Burns & McDonnell SINCE 1898

Citywide Stormwater Master Plan Report



Prepared for



The City of Ottawa, Kansas

June 2007



9400 Ward Parkway Kansas City, Missouri, 64114 Project: 37431



Citywide Stormwater Master Plan Report





June 26, 2007

Mr. Andy Haney Director of Public Works City of Ottawa 101 S. Hickory Ottawa, Kansas 66067-2347

City of Ottawa, Kansas Stormwater Master Plan **Final Report Submittal** <u>37431-1.01</u>

Dear Mr. Haney:

Burns & McDonnell Engineering Company is pleased to present the final *Stormwater Master Plan* for the City of Ottawa, Kansas. The study sets forth our analysis of the performance capabilities of the existing storm drainage system and our recommendations for improvements to the existing facilities. Enclosed for your use and distribution are six (6) copies of the report which contains the narrative text, exhibits and data summaries.

It has been our pleasure working with you and your staff in the completion of this report, and we appreciate the opportunity to be of future service to the City. We trust this report will be of continuing value to the City in you stormwater management activities. If you have any questions, please feel free to contact us at (816)822-3214.

Sincerely,

Low

Leon J. Staab, P.E. Project Manager

enclosures

9400 Ward Parkway Kansas City, Missouri 64114-3319 Tel: 816 333-9400 Fax: 816 333-3690 www.burnsmcd.com

Stormwater Master Plan

prepared for

City of Ottawa, Kansas

June 2007

Project No. 37431

prepared by

Burns & McDonnell Engineering Company, Inc. Kansas City, Missouri

With subconsultants

Shockey Consulting Services Lenexa, Kansas

> Taylor Design Group Ottawa, Kansas

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INDEX AND CERTIFICATION

Stormwater Master Plan City of Ottawa, Kansas

Project 37431

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Certification

I hereby certify, as a Professional Engineer in the state of Kansas, that the information in the document was assembled under my direct personal charge. This report is not intended or represented to be suitable for reuse by the City of Ottawa, Kansas or others without specific verification or adaptation by the Engineer.

Leon J. Staab, PE (KS 13580) Date:

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Executive Summary





EXECUTIVE SUMMARY

GENERAL INFORMATION

This Executive Summary presents a condensed discussion of the Stormwater Master Plan authorized by the City of Ottawa in an Agreement for Engineering Services dated September 2, 2004.

The following sections of this report, accompanied by the watershed mapping, computer models and exhibits comprise the detailed report and supporting information of the watershed's major drainage systems.

Services performed by Burns & McDonnell Engineering Company of Kansas City, Missouri to complete the study included, but were not limited to, the following tasks:

- Assembling, reviewing and organizing pertinent existing mapping, records, reports, criteria and floodplain studies available from the City, other agencies and sources.
- Completion of field surveys and investigation of the primary conveyance system including culvert and bridge structures; inlet structures; pipes, arches and culverts equal to or greater than 24 inches in diameter; and major channels.
- Preparation of the hydrologic analysis including watershed and subwatershed delineation; existing conditions analysis; verification of peak flows; and the future conditions analysis.
- Preparation of the hydraulic model including existing conditions modeling; model calibration; and future conditions modeling.
- Development of system improvements and management programs.
- Completion of Engineer's Opinion of Probable Project Costs for the proposed capital improvements.

RECOMMENDED SYSTEM IMPROVEMENTS

Project 1 - Industrial Park Improvements (Priority Rating 1)

As shown on **Figure 6.3**, storm drainage in the Industrial Park area generally runs along North Street. The channel generally flows from east to west and makes several road and railroad crossings. Results of the study indicate that several houses at the intersection of North Street and Mulberry Street are have potential to flood, though flooding has never been reported. However, modeling results are not





substantiated with actual observation of flooding. To lessen the potential of localized flooding, the 100year water surface elevation could be reduced to approximately 902 feet.

There are three structures located downstream of the intersection of North Street and Mulberry Street: the Burlington Northern and Santa Fe (BNSF) Railway culverts, the U.S. Highway 59 culverts, and the Midland Railway Line bridge. Modeling suggests that two of these three existing structures contribute excessive backwater elevations at the intersection of North Street and Mulberry Street. The first of these is the two culverts below the Burlington Northern and Santa Fe (BNSF) Railway. The model indicates that these culverts are slightly undersized, but also that the flow through them is fairly shallow. The second problem occurs where the channel flows under the Midland Railway line. This bridge may be too small to convey the necessary flows and excessive backwater could be created. This backwater migrates upstream to a culvert under the BNSF railroad and reduces its capacity.

Several options were considered including replacing structures, upstream detention, and channel improvements. The opinion of probable cost for this project is based on boring or jacking five 60-inch reinforced concrete pipes under the BNSF Railroad. This solution proved to be the minimum to remove the intersection of Mulberry Street and North Street (and the houses immediately south of the intersection) from the 100-year floodplain.

Project 2 - N. Oak and Dundee Street Improvements (Priority Rating 15)

A new ditch and enclosed storm sewer system could be constructed from Dundee Street to the south edge of the Kalmar Industries parking lot (see **Figure 6.4**). The project would require the realignment of the existing channel from Dundee Street to the Kalmar Industries parking lot. Modeling suggests that this channel would need to have an 8-foot bottom width with 4:1 side slopes. A new inlet would collect surface drainage and convey it to a new enclosed storm sewer below the parking lot. An inlet would be added along the northeast side of the lot to collect surface flow and to allow for a directional change in the sewer. The enclosed system would consist of approximately 520 feet of 30-inch RCP. Once beyond the limits of the parking lot, the enclosed system would discharge into the existing ditch which would need to be improved to a 4-foot flat bottom ditch with 4:1 side slopes. To obtain the necessary channel and pipe slopes, a portion of the railroad ditch would also need to be improved and a constant grade between the sewer outfall and the railroad culvert may be required.

At the time of this study, Kalmar Industries is addressing these stormwater issues as they make plans to expand their facility. According to the City, the initial plans somewhat conflict with the recommendations of this report. The recommendations of this report present one solution to the problem





and were made without the knowledge the proposed improvements to the site. Kalmar Industries will likely propose a solution tailored to their expansion.

Project 3 - N. Hickory and Poplar Street System Improvements (Priority Rating 5)

As shown on **Figure 6.5**, the recommended improvements for this project involve the removal and replacement of the existing system that is bounded by Hickory Street on the west; Blackhawk Street on the north; Mulberry Street on the east; and Keokuk Street on the south. As reported by City staff and corroborated by modeling results, the existing storm sewer system does not have the capacity to meet current design requirements. As a result, localized flooding of street and houses could be expected. At one location near the intersection of Logan and Hickory, a house was constructed directly over the drainage channel. **Figure 6.5** shows the proposed new system. The proposed alignment is generally identical to the existing houses. Also shown on Figure 6-5 are four properties along the east side of Hickory Street that have been constructed in a topographical depression. Construction of capital improvements to completely remove those structures from the floodplain may be cost prohibitive. The City may want to consider the option of property buyout in lieu of or in addition to the recommended improvements to the system.

Project 4 - Concrete Lined Channel (K-68, Beech to Willow) (Priority Rating 14)

The City maintains two roadside ditches on the south side of U.S. Highway 68 between Beech and Willow Street (see **Figure 6.6**). While modeling does not suggest capacity problems with either ditch, City Staff reported difficulties maintaining these ditches. Specifically, the ditches fill with trash and sediment and water often ponds at these locations. To alleviate these maintenance issues, the ditches could be lined with concrete to facilitate positive drainage and to eliminate ponding water.

The City also identified the pumping station at Willow Street as having insufficient capacity. When capacity is exceeded, the drainage system backs up into the ditch and silt and debris is deposited. City Staff suggests that the issue could also be resolved by elevating the swag in 2nd Street, increasing the ponding area downstream by acquiring private properties on the north side of the road bed, or increasing pumping capacity at the Willow Street pump station.

Project 5 - Ash and Willow Street Improvements (Priority Rating 7)

The existing system generally running in an alley between Ash and Willow Street was determined to be undersized during the system performance analysis (see **Figure 6.7**). The City stated that this was an older system and concurred with modeling results that this was an area prone to flooding.





Currently, drainage is conveyed through a series of 24-inch reinforced concrete pipes at the upstream end and then discharged into an open channel system consisting of ditches and culverts beneath approaches. From aerial topography and contours, there does not appear to be sufficient space for the replacement of open channels and culverts. Therefore, it was concluded that to convey the desired level of service the existing system would have to be completely converted to an enclosed system with increased pipe sizes.

At the outfall of the enclosed system, it will also be necessary to lower the existing channel invert approximately 4 feet so that the proposed improvements could be tied into the existing downstream system. This would allow upstream components a minimum cover of 2 feet and sufficient slopes on pipes to allow the conveyance of 10-year flows.

Project 6 - Skunk Run Improvements (Priority Rating 6)

During low flows in the Marais Des Cygne River, runoff from Skunk Run is detained in a ponding area near the levee and then conveyed to the Marais Des Cygnes River by gravity through a 10-foot x 10-foot RCB culvert. When stages in the Marais Des Cygnes exceed an elevation of 885.00 feet, the storage pond is emptied by pumping. Urbanization of the Skunk Run Watershed may have caused a decrease in the level of services afforded by the existing outfall system. The capacity of the detention pond and/or the capacity of the pumps may no longer be sufficient to adequately convey flows over the levee.

As shown on **Figure 6.8**, a maximum ponding elevation of 885.00 feet is desired so that the surrounding houses are not inundated by the water stored in the ponding area. To accomplish this goal, additional storage and/or additional pumping capacity may need to be added to the system.

Project 7 - Country Club Lake Principal Spillway (Priority Rating 10)

As flows exceed the storage capacity of the Country Club Lake, overflow is carried through the emergency spillway to a grate inlet located between the lake and Kansas Highway 68. Flows are collected and then conveyed through a 10.5-foot x 10.5-foot RCB culvert located beneath Logan Street (see **Figure 6.9**). The City has reported trash and debris collecting at this grate inlet which results in ponding at this location and possible overtopping of Kansas Highway 68.

Currently, no principal spillway exists on the lake to control the discharge from small storm events. One solution to the problem would be to add a principal spillway to better regulate discharges. The principal spillway would consist of a riser pipe and trash rack. Normal discharges from the lake would be conveyed directly from the lake to the 10.5-foot x 10.5-foot RCB under Highway 68. Trash and debris would be collected in the lake rather than in the roadside ditch.





Project 8 - Expanding Detention for Visitor Center (Priority Rating 11)

According to the City's Comprehensive Plan 2003, it is anticipated that the Visitor Center Watershed north of Kansas Highway 68 will see growth in commercial, industrial and residential developments. Left unregulated, development would likely increase peak runoff rates. Over time, the existing infrastructure would provide a lower level of service than originally designed and an increase of downstream flooding occurrences could be realized.

Stormwater detention is considered an ideal Best Management Practice in developing watersheds. As shown on **Figure 6.10**, the Visitor Center Watershed has four locations where detention currently exists. Existing basins appear to be used for agriculture purposes, and some work may need to be performed to improve embankments or increase storage capacity.

City staff has also noted potential plans for new park land in the Visitor Center Watershed. These two proposed regional detention basins would provide an excellent opportunity for a park with water features. The proposed basins could be designed for wet detention and could provide both stormwater management and recreational uses. In addition, it is also recommended to reserve the space needed for detention (and park land) in the immediate future. This might be accomplished by revising the City's Comprehensive Plan. The areas to be reserved are currently with "Industrial" land uses. They could be changed to "Park/Open Space" as a reminder to City planners.

Project 9 - Kansas Highway 68 Culverts (Priority Rating 12)

Future development is expected in the northern portion of the Visitor Center watershed. The purpose of Project 9 was to analyze the two existing 6.8-foot x 4-foot reinforced box culverts located at Kansas Highway 68 to determine if the culvert capacity was adequate to convey future flows (see **Figure 6.11**).

Modeling predicts that future development of the watershed will have a significant impact on the level of service provided by the existing culverts (without the benefits associated with Project 8). For existing conditions, the culverts have the capacity to convey the 25-year event without overtopping the roadway. As the watershed develops, peak discharges may increase and the same 25-year rainfall event may overtop the roadway by 15 cfs or by approximately 0.15 feet.

Because the road is a state highway, a 50-year level of service may be desired of the culverts. For future conditions, 67 cfs of overtopping is predicted if not regulation occurs as the watershed becomes fully urbanized. To improve the level of service to meet future needs, the existing culverts could be replaced with two 9-foot x 4-foot reinforced box culverts. However, replacement of these existing culverts may not be necessary. There is manageable increase in peak flow rates for future conditions. If development





is regulated correctly, then stormwater runoff under future conditions could be equal to or even less than currently observed. If Project 8 was undertaken, it is probable that the predicted overtopping of the roadway could be eliminated with upstream detention.

Project 10 - S. Oak and Poplar Street System Replacement (Priority Rating 4)

Modeling results and confirmation from the City indicate that the current pipe capacities between Oak Street and Poplar Street are not adequate to convey the 10-year event. In addition, portions of the existing sewer may not have sufficient cover. At some locations, the top of the pipe is at the surface of the alley.

As shown on **Figure 6.12**, the recommended improvement for this project is the removal and replacement of the existing system from Fifth Street to Ninth Street. Pipe sizes should be increased and the depth of cover over the pipe increased.

Project 11 - Osage Drive Channel Improvements (Priority Rating 9)

Runoff originating south of 17th Street is conveyed in a natural channel along Osage Drive to 15th Street and from there conveyed through pipes to an open channel (see **Figure 6.13**). City staff has reported problems with the condition and capacity of this section. Problems associated with this channel and downstream pipes are likely to worsen as development occurs south of 17th Street.

Approximately 1,300 linear feet of channel improvements are recommended for this section. These improvements would consist of a 10-foot wide flat bottom ditch with 12:1 side slopes. To provide a level of service for the 10-year storm event, the concrete lining would need to be at least 3 feet deep.

It is also recommended that downstream pipe capacity be increased to three 24-inch concrete arch pipes to convey flows beneath Osage Drive and 15th Street.

Project 12 – Eisenhower Road Improvements (Priority Rating 3)

Overtopping of Eisenhower Road north of 23rd Street (see **Figure 6.14**) has been reported by City Staff. Water on the road was observed in June 2005 after heavy rainfall. City Staff believes that the overtopping flows were not caused by an event on Nugent Creek. Rather, runoff originating from the adjacent fields west of Eisenhower collects in the road side ditch on the west side of Eisenhower, which does not have sufficient capacity. Elevation data developed by City Staff suggests that the average available slope in the road side ditches is less than 0.5 percent. The elevation data also suggests that given the nearly flat slope, the ditches do not always maintain a uniform, downward slope.





During the course of this study, it was learned that the City has plans to grade the ditches to increase conveyance capacity. In addition to grading, one culvert serving a private access road will be improved. The existing culvert will be removed and reset to accommodate new grading, and a second culvert of equal size will be added to increase capacity. The current belief is that the private drive culvert causes an obstruction that forces water onto the road.

City Staff also reported runoff from the area southwest of the intersection of 23rd Street and Eisenhower as a significant issue. This stormwater is not being sufficiently conveyed across 23rd Street to the west side of Eisenhower. City Staff indicated that the existing system of ditches and culverts may be undersized and could be the cause of a the water flowing north along the west side of the 23rd Street and Eisenhower intersection.

This report makes no recommendation for a stormwater capital improvement project at this location. Any improvements to the storm drainage system should be addressed with planned roadway work. To keep runoff from the roadway surface, the City should consider raising the intersection of Eisenhower Road and 23rd Street. Eisenhower Road between 19th Street and 23rd Street will need to be raised and 23rd Street between Eisenhower Road and Old Highway 50 should also be raised. Roadway improvements should improve the conveyance of roadside ditches and cross road conveyance structures.

Project 13 - 23rd Street Culverts (Priority Rating 2)

The City's Comprehensive Plan shows the area south of 23rd Street and between Eisenhower Road and Old Highway 50 as planned "Commercial/Industrial" development. Three drainage swales currently traverse the site dividing the land into four separate areas. It is anticipated by the City that development on this property will lead to the consolidation of the drainage patterns into a single crossing of West 23rd Street (see **Figure 6.15**). This consolidation might result from the desire of a developer to restructure the existing drainage system to better facilitate the layout of a development and maximize land use.

The purpose of this project is to ascertain the size and approximate cost of constructing a single culvert under West 23rd Street to accommodate future development. It was estimated that four 6-foot x 3-foot RCB's would be needed if the drainage areas for the three existing culverts were combined. It should be noted that new roadside ditches necessary to serve this new culvert would be very flat and could create mosquito habitat. These issues should be address when the site is developed or when 23rd Street is improved.





Project 14 - Lakeside Estates Detention (Priority Rating 13)

A lake once existed between Osage Drive and Willow Street north of 17th Street (see **Figure 6.16**). At the time of this study, the embankment of the lake had been intentionally breeched and the basin no longer retains water.

The City's Comprehensive Plan shows that the undeveloped area south of 17th Street could develop as a residential area. Prior to development occurring, it is recommended that the embankment and spillways be reconstructed to detain runoff from the developing area. The detention basin could act as a best management practice while the upstream watershed develops. Construction runoff could be routed to the basin where suspended sediments would be removed from runoff. After development activities cease, the sediment trapped in the basin would need to be removed to re-establish the original amount of detention storage.

The second benefit of this basin would be stormwater detention. The reconstruction of the basin would attenuate the increased peak flows and help to protect the Pin Oak subdivision from the effects of future development.

Typically, the City requires developers to address detention issues within proposed developments. If this were the case, this project would no longer be a City project, but a private project. However, once reconstructed it is recommended that the City obtain the property or an easement for the detention area. This would afford the City better control of the detention within the storage area.

Project 15 - Kansas Highway 68 and Main Street Culvert Replacement (Priority Rating 8)

In 1967, the Kansas Department of Transportation Project made improvements to the intersection of Main and Keokuk Streets (Kansas Highway 68). At the time of the project, a 190-foot culvert existed under Main Street. The existing culvert was constructed of laid up brick, rock and other miscellaneous material. The existing culvert was left in place and incorporated into the new design. Approximately 150 feet of new 6-foot x 4-foot RCB was added to the upstream end of the existing culvert (see **Figure 6.17**).

The older section of the culvert should be replaced due to the structural inadequacies. Modeling results suggest that the box culvert should be increased to a 9-foot x 4-foot RCB in order to ensure the





conveyance of the 50-year¹ event under future conditions. Because the newer section of the culvert is still structurally sound, it is not a recommendation to remove and replace it.

If the existing 6-foot x 4-foot RCB is not replaced, then the older, downstream portion of the culvert should be removed and replaced with a culvert of identical size.

PROJECT SUMMARY

Table ES.1 summarizes the recommended projects and estimated costs for each of these projects. The estimated costs provided in Section 6 of this report reflect 2005 dollars. The opinions of costs shown in the table have been escalated 10% to account for inflation and increases in construction costs from 2005 to 2007.

The improvements suggested as part of this report are discussed and ranked based on the estimated level of service, potential flooding, frequency of flooding and engineering judgment. When assigning priorities for each project, the projects were first grouped into categories of high, medium and low based on the criteria discuss below. The initial categorizations were provided to City Staff and a numerical ranking was then assigned based staff input. A more detailed discussion of priorities can be found in Section 1 of the report.

The opinions of cost shown in **SECTION 6** reflect pricing at the time of the estimate and reflect 2005 dollar values.

The opinions of cost shown in the **EXECUTIVE SUMMARY** reflect the prices in **SECTION 6** escalated 10 percent to account for increases in labor, material and equipment through March 2007.

Table ES.1 Summary of Projects

ject 0.	ority		Opinion of Cost (Thousands)**		nds)**
Pro	Prio	Project Name	Construction	Engineering	Total
1	1	Industrial Park Improvements	\$804	\$241	\$1,045

¹ While the design criteria prescribed by the Kansas Department of Transportation is a 50-year event, the City of Ottawa requires that an arterial street have the capacity to convey a 100-year event without overtopping.





iject 0.	ority		Opinion of Cost (Thousands)**		
Pro N	Pric	Project Name	Construction	Engineering	Total
13	2	23 rd Street Culverts	\$52	\$15	\$67
12	3	Eisenhower Road Improvements	N/A	N/A	N/A
10	4	Oak & Poplar Street System Replacement	\$2,576	\$773	\$3,350
3	5	Hickory & Poplar Street Improvements	\$2,061	\$618	\$2,680
6	6	Skunk Run Outfall Improvements	\$4,430	\$443	\$4,873
5	7	Ash & Willow Street System Replacement	\$640	\$191	\$832
15	8	Kansas Highway 68 & Main Street Culvert Replacement	\$392	\$118	\$509
11	9	Osage Drive Channel Improvements	\$1,447	\$435	\$1,881
7	10	Country Club Lake Principal Spillway	\$77	\$23	\$100
8	11	Expanding Detention for Visitor Center	\$790*	\$213	\$1,003
9	12	Kansas Highway 68 Culverts	\$380	\$114	\$494
14	13	Lakeside Estates Detention	\$89*	\$17	\$106
4	14	Concrete Line Channel (K-68, Beech to Willow)	\$383	\$114	\$497
2	15	Oak & Dundee Street System Improvements	\$398	\$119	\$517
ΤΟΤΑΙ			\$14,518	\$3,435	\$17,953

Table ES.1 Summary of Projects

* Property acquisition costs are included in the construction cost.

** Estimated 2007 Dollars

Estimates for construction costs include a 30% contingency.





* * * NOTE TO REPROGRAPHICS * * *

Insert Figure ES-1 11" x 17" color plot

Section 1 Introduction & Purpose





1.0 INTRODUCTION AND PURPOSE

1.1 PURPOSE

The City of Ottawa is poised for rapid and prosperous growth in the coming years. Its location near metropolitan Kansas City makes it a desirable living area. The recent influx of major warehousing operations and industrial/manufacturing operations makes it an employment center. Future plans for US Highway 59 will make access from Lawrence even more convenient. The Kansas Highway 68 corridor is on the verge of future development and the new US 59 Freeway/Interstate 35 interchange will be another improvement that will bring growth to the City.

Increased growth and activity invariably bring more streets, rooftops and other runoff producing surfaces. This additional runoff has already begun to impact the watercourses in and around Ottawa, and these impacts will continue to increase in magnitude. As development occurs just outside the City, these watersheds begin to have more significant impacts on the City's infrastructure. To manage and minimize these negative stormwater impacts, the City has elected to develop a comprehensive stormwater master plan.

In September 2004, the City of Ottawa, Kansas embarked on a program to develop a stormwater master plan for major watersheds tributary to the City. This program is based on a recognized need to upgrade existing inadequate stormwater conveyance systems and to plan for new systems in developing areas.

1.2 PROJECT TEAM

Burns & McDonnell Engineering was the prime contractor for this study. Burns & McDonnell was responsible for the hydrologic and hydraulic analyses, preparation of the master plan report, and oversight of subconsultants. Shockey Consulting Services facilitated the public relations portions of the study. Taylor Design group provided survey information and conducted the field surveys.

Burns & McDonnell Engineering 9400 Ward Parkway Kansas City, Missouri 64114 phone: (816) 333-9400 Leon J. Staab, PE Shockey Consulting Services 7611 Park Street Lenexa, Kansas 66216 Ph: (913)248-9585 Sheila Shockey **Taylor Design Group** P.O. Box 327 Ottawa, Kansas 66067 Ph: (785)242-8845 Clint Stewart





1.3 SCOPE OF SERVICE

The scope of the Stormwater Master Plan generally includes the following:

- Analyzing and evaluating the performance of the City's existing enclosed storm drainage system.
- Identifying conveyance problems and providing a plan for capital improvements.
- Re-evaluating and re-defining the 100-year and 500-year floodplain boundaries for the streams currently not regulated by FEMA.
- Soliciting public involvement.

1.4 STUDY AREA

The City of Ottawa is an eastern Kansas municipality encompassing an area of approximately seven (7) square miles. The study area included detailed analysis within the City limits and an additional twenty six (26) square miles located in unincorporated Franklin County. The total drainage area of thirty three (33) square miles consisted of eighteen (18) major watersheds. The overall extent of the study area is indicated on **Exhibit A.1**. The exhibit also presents the various watersheds included in this study; defines the extent of additional topographic mapping provided with this study; the location of storm drainage systems studied, and primary hydrographic features.

1.4.1 Detailed Study Area

For this study, the detailed study area includes open channels, culverts, bridges and the enclosed storm system within the corporate limits of the City as indicated on **Exhibit A.1**.

1.4.2 Non-Detailed Study Area

The non-detailed analysis is comprised of watersheds beyond the City limits and/or the limits of the detailed mapping. Analysis of these areas will be necessary to produce continuous models, but less detail is needed. There will be no survey work or evaluations made in the non-detailed areas of the study.

1.4.3 Enclosed Storm Sewer System

The "enclosed storm system" includes storm sewers, small culverts, roadside ditches and drainage swales used to collect and convey stormwater runoff through the City. The system generally includes the conveyance structures not associated with a natural channel. For this study, only those portions of the enclosed storm sewer system that lie within the City boundaries and having an equivalent pipe size of 24-inches or greater were analyzed. The analysis was made to detect possible deficiencies in the system and not to establish or revise the floodplains within the City.





Analysis of the enclosed storm system focused on the following watersheds:

Forest Park

1.4.4

- Country Club
- Possum Run
- Sycamore Street
- Skunk Run

- Rock Creek
- Pin Oak
- W. 13th Street

Sugar Creek

Flooding Sources

"Flooding Sources" is a term used by FEMA to denote streams that are regulated for flood insurance. For this master plan, the following watercourses were analyzed in detail. Base flood elevations and the 100year and 500-year floodplains were established, but it was not within the scope of this study to prepare a FEMA map revision. Flood plain elevations were determined for the following streams where tributary areas exceed 160 acres.

- Wilson Creek
- Main stem from North Street south to the Marais des Cygnes River.
 - The Industrial Park watershed, a left-bank tributary of Wilson Creek, from its mouth at Wilson Creek, east to a point near Industrial Avenue north of North Street.
- Country Club Watershed
- Visitor Information Center Watershed north of Logan Street
- Rock Creek
 - о Main stem from its crossing of Interstate Highway 35 east of the U.S. Highway 59/I-35 interchange north and east to its confluence with the Caylor Quarry tributary.
- Nugent Creek
- Pin Oak
- Eisenhower / 23rd Street

1.5 INFORMATION PROVIDED BY CLIENT

In the preparation of this report, the information provided by the Client was used to make certain assumptions with respect to conditions which may exist in the future. While Burns & McDonnell believes the assumptions made are reasonable for the purposes of this report, Burns & McDonnell makes no representation that the conditions assumed will, in fact, occur. In addition, while Burns & McDonnell has no reason to believe that the information provided by the Client, and on which this report is based, is





- Willow Street
 - E. 7th Street

inaccurate in any material respect, Burns & McDonnell has not independently verified such information and cannot guarantee its accuracy or completeness. To the extent that actual future conditions differ from those assumed herein or from the information provided to Burns & McDonnell, the actual results will vary from those forecast.

1.6 EVALUATION OF PRIORITIES

1.6.1 Methodology

The improvements suggested as part of this report are discussed and ranked based on the estimated level of service, potential flooding, frequency of flooding and engineering judgment. When assigning priorities for each project, the projects were first grouped into categories of high, medium and low based on the criteria discuss below. The initial categorizations were provided to City Staff and a numerical ranking was then assigned based staff input.

1.6.2 HIGH Priority Definition

A **HIGH** priority is assigned to those areas meeting one of the following:

- Habitable buildings were located in the floodplain and flooding is frequent
- Flooding could pose an immediate threat to public safety
- Opportunities for proactive, non-structural measures will be lost if not initiated expeditiously

1.6.3 MEDIUM Priority Definition

A **MEDIUM** priority is assigned to those areas meeting all of the following criteria:

- Flooding problem does not involve a habitable building located in the floodplain.
- Flooding problem does not pose an immediate threat to public safety.
- The required level of service for a bridge or culvert on a major roadway is expected to be exceeded.

1.6.4 LOW Priority Definition

A *LOW* priority is assigned to those areas meeting all of the following criteria:

- Flooding problem does not involve a habitable building located in the floodplain.
- Flooding problem does not pose an immediate threat to public safety
- The required level of service for a bridge or culvert on a minor roadway is expected to be exceeded.




• Modeling indicates a possible problem (generally a decrease in the level of service) if upstream tributary area becomes urbanized

1.6.5 Level of Service

When a watercourse crosses a roadway, there are usually two ways that the water can cross the road: through the culvert or bridge or over the top of the road. Overtopping poses a danger to the general public because moving water can sweep vehicles from the roadway. Though overtopping is not desirable, it is usually economically unfeasible to design all bridges and culverts to high level of service. Cities usually weigh the risks versus the cost and design different roadway classifications to different levels of service. For example, residential streets are usually designed for a moderate level service where 10 percent of the storms are expected to overtop the road. Arterial streets and highways are design for high levels of service only 1 to 2 percent of the storms events are expected to overtop the road. For most cities the level of service provided by drainage structures is defined by three things:

- The road classification. Roads that carry more traffic are typically designed to provide a higher level of service.
- The return period for the design storm that is conveyed through bridge or culvert opening.
- The depth of flow over the top of the road for the 100-year flood event.

APWA Section 5600 dictates that enclosed and open channel conveyance system components should be designed for the following return period storms, irrespective of the land use in which the system is located or the land use in the drainage area tributary to the system:

Description	In-System Capacity:	Overflow Channels
Floodway in 100-year Flood Plain	100-year	The combined capacity of the overflow channel and in-system conveyance element shall be
Bridges, Pipes, and Culverts on Crossing Arterial Streets or State Highways	50-year	sufficient to convey the 100-year storm at all locations; except that an overflow depth not exceeding seven (7) inches at the lowest point of the traveled way will be permitted where
All other System Components 10-year		culverts cross streets.

Table 1.1APWA Level of Services Requirements





1.7 ESTIMATES AND PROJECTIONS

The estimates prepared by Burns & McDonnell relating to construction costs, schedules, operation and maintenance costs, and modeling results are based on our experience, qualifications and judgment as a professional consultant. Because Burns & McDonnell has no control over weather; cost and availability of labor, material and equipment; labor productivity; construction contractor's procedures and methods; unavoidable delays; construction contractor's methods of determining prices; economic conditions;, government regulations and laws (including the interpretation thereof); competitive bidding or market conditions and other factors affecting such estimates or projections, Burns & McDonnell does not guarantee that actual costs, performance, schedules, etc., will not vary from the estimates and projections prepared.

The opinions of cost shown in Section 6 reflect pricing at the time of the estimate and reflect 2005 dollar values.

The opinions of cost shown in the Executive Summary reflect the prices in Section 6 escalated 10 percent to account for increases in labor, material and equipment through March 2007.





Section 2 Data Collection





2.0 DATA COLLECTION

2.1 PROJECT MAPPING

2.1.1 Existing Topography

In 1992, Wilson & Company (Salina, Kansas) developed photogrammetric mapping of the City of Ottawa. This information has since served as the base mapping for the City. The mapping information was provided by the City in CAD and GIS format. Topography was developed using the following spatial reference:

- Projected Coordinate System: NAD_1983_Lambert_Conformal_Conic
- Projection: Lambert Conformal Conic
- False Easting: 1312422.65020593
- False Northing: 1312413.78020593
- Central Meridian: -98.50000000
- Standard Parallel 1: 37.26666000
- Standard Parallel 2: 38.56666700
- Latitude Of Origin: 36.66666700
- Linear Unit: Foot US
- Vertical Datum: North American Vertical Datum 1988 (NAVD88)

2.1.2 New Topography

As part of this study, additional topography was obtained to supplement the information already in possession of the City. Mapping was provided by Wilson & Company and utilized the existing controlled aerial photography that was flown in 1992. The new mapping utilizes an identical format and specifications that Wilson & Company provided previously to the City. Data was collected to produce a 1"=200' mapping base with two-foot contour intervals. Additional mapping was obtained in the following areas:

- E1/2 S34 T16S R19E
- W1/2 S26 T16S R19E
- SW1/4 S3 T17S R19E
 S10 T17S R19E

- SW1/4 S24 T16S R19E
- NE1/4 S3 T17S R19E
- S1/2 S23 T16S R19E
- SE1/4 S3 T17S R19E





2.1.3 Surveys

2.1.3.1 General

A field survey was conducted to obtain necessary channel conveyance information and the physical dimensions of the hydraulic structures. Surveying is referenced to Kansas State Plane Coordinates and the National Geodetic Vertical Datum of 1988 (NGVD88).

Survey data was provided by Taylor Design Group, P.A. in a comma separated text file format. A text file was delivered for each of the surveyed structures. The text files contained five columns: the first column represents the survey point ID, the second column represents the Y coordinate, the X coordinate is housed in the third column, the Z coordinate is in the fourth column, and the fifth column housed a feature code ID. The horizontal (X, Y) coordinates were provided in Ground Coordinates (or in the local coordinate system). Taylor Design Group also provided a conversion worksheet that contained conversion factors to convert ground coordinates to Grid Coordinates (such as Kansas State Plane South feet). The worksheet listed 10 control points, distributed throughout the area, and their associated ground coordinates, grid coordinates, and conversion factor. The individual conversion factors for the 10 control points were averaged together by Taylor Design Group to establish an overall "average combined factor."

The survey text files were converted to Microsoft Excel spreadsheets so that new grid coordinates could be calculated by multiplying the surveyed grid coordinates by the conversion factor. Several tests were conducted to determine which conversion factor to use. Initial tests applied the conversion factor from the control point nearest the surveyed structure. Applying the average combined conversion factor to all of the surveyed grid coordinates was also tested and determined, by visual inspection on aerial photography, to establish the best Kansas State Plane Coordinate equivalent. Every coordinate pair, for every surveyed structure point, was multiplied by the average combined factor to convert the surveyed coordinates into the Kansas State Plane (ft) coordinate system. Each spreadsheet was then converted to a ".dbf" file and then input into ArcGIS to create the structure survey point feature classes.

2.1.3.2 Bridges and Culverts

Bridges and culverts having a tributary area of at least 160 acres and located within the corporate limits of the City, and not considered part of the enclosed storm sewer system were surveyed. The field survey was conducted using GPS or conventional survey techniques. Information collected was used to define the conveyance opening of the structure, and included the following information:

• One (1) channel cross-section at the upstream face of the structure.



- Structure opening information, including location of piers, location of abutments, culvert invert, headwall types, culvert dimensions, etc.
- Low chord and top of road elevations.
- Roadway or crossing top of road centerline elevation section to define weir flow overtopping the structure.

For this study, approximately thirty (30) bridges and culverts were surveyed.

2.1.4 Field Reconnaissance

Field reconnaissance of the enclosed storm sewer system was limited in nature. Locations of manholes and pipes were approximated using the City's existing mapping and field observation. Accessible structures (manholes and curb inlets) were opened and measurements were taken from the top to the invert. The top elevation of the manhole was estimated from the mapping provided by the City. Pipe sizes and materials were generally obtained from the City's storm sewer maps and verified during the field investigation.

2.1.5 USGS Quadrangles

In areas of the "non-detailed" study area where detailed mapping was not available, mapping obtained from USGS Quadrangles was used. Though not as precise as the mapping provided by the City, the information was suitable for watershed delineation and development of other hydrologic parameters.

The USGS data used was part of the National Elevation Database (NED), which is a seamless mosaic of the best available elevation data; typically 7.5-minute data. This data is acquired in an ArcINFO grid format. 10-foot contour lines were generated, using ArcGIS, from the grid. The area of the 2-foot contour data provided by the City of Ottawa was used to clip a hole out of the USGS NED data, which was then filled by the higher quality data from the City. The two contour files were used together to create a single Triangulated Irregular Network (TIN) of the study area. This TIN was subsequently used for hydrologic analysis.

2.1.6 Aerial Photographs

Aerial photographs were obtained from the Kansas Data Access and Support Center (DASC)².

² <u>http://gisdasc.kgs.ku.edu/</u>



Section 3 Hydrologic Modeling





3.0 HYDROLOGIC MODELING

3.1 INTRODUCTION

The hydrologic analysis for this study was done with XP-SWMM 2000 stormwater management modeling software (Version 8.52) from XP Software Incorporated. The software generates runoff hydrographs at desired locations in the watershed for specific storm events based on the specific input parameters for each component of the process. For this study, the RUNOFF module was used to generate hydrographs for return periods of 2, 5, 10, 25, 50 and 100 years. Parameters used in the hydrologic modeling include the Soil Conservation Service's (SCS) Type II hypothetical storm generated from rainfall frequency data for precipitation; the SCS curve number for the loss rate; the SCS dimensionless unit hydrograph; and physical characteristics of

each subarea.

3.2 WATERSHED DELINEATION

3.2.1 Subwatershed Boundaries

The Study Area was divided into eighteen subwatershed areas. Subwatershed names were recommended by City staff, and a two digit prefix was assigned for each subwatershed. The prefix was used for modeling purposes and is discussed below. Subwatershed boundaries are shown on **Exhibit A.5** and a complete listing of subwatersheds and associated identifiers can be found in **Table 3.1**.

3.2.2 Subarea Boundaries

Subwatersheds were divided into smaller subareas ranging in size up to 160 acres. Larger subareas are found in the non-detailed study area. Smaller subareas are prevalent in the detailed study area

Table 3.1 Summary of Subwatersheds

Subwatershed Name	Identifier
Country Club	CC
East 4 th Street	E4
East 7 th Street	E7
Eisenhower / 23 rd Street	E23
Forest Park	FP
Industrial Park	IP
Lower Wilson Creek	LW
Nugent Creek	NC
Pin Oak	РО
Possum Run	PR
Rock Creek	RC
Skunk Run	SR
Sugar Creek	SC
Sycamore Street	SY
Upper Wilson Creek	UW
Visitor Center	VC
West 13 th Street	W13
Willow Street	WL

where additional precision is required for modeling of the enclosed storm sewer systems. Delineation of subareas was based on hydrologic and/or hydraulic features, such as terrain, channels, combines, and culverts or bridges within the Study Area.





Exhibit A.5 shows the subareas delineations associated with the study.

3.3 PRECIPITATION

3.3.1 General

Every storm event that occurs within a watershed is unique. Some storms are short and intense and deposit a large amount of rainfall in a short period of time. Other storms have a constant rainfall intensity that occurs over a long period of time. Because there is no means to predict the characteristics of a given storm, a synthetic or design storm is typically used for hydrologic modeling. A design storm is simply an assumed distribution of rainfall over a given amount of time.

3.3.2 Rainfall Distribution

For this study, a Soil Conservation Service (SCS) Type II rainfall distribution was used. The SCS distribution was prepared for use in the United States for storms of 6 and 24-hour durations. The Type II storm distribution is applicable to the Study Area. The distribution of rainfall is shown in **Figure 3.1**.



Figure 3.1

3.3.3 Rainfall Depths

*Rainfall Intensity Tables for Counties in Kansas*³ was used to determine the rainfall depths for various storm recurrence periods and various time periods and shown in **Table 3.2** below:

³ Kansas Department of Transportation, Rainfall Intensity Tables for Counties in Kansas, Revised, June 1997.





	Depth (inches)									
Time	2-yr	5-yr	10-yr	25-yr	50-yr	100-yr				
5 min	0.45	0.54	0.61	0.70	0.78	0.85				
10 min	0.75	0.91	1.02	1.18	131.17	1.44				
15 min	0.95	1.16	1.30	1.52	1.68	1.85				
30 min	1.32	1.65	1.88	2.22	2.47	2.73				
1 hr	1.70	2.16	2.48	2.94	3.30	3.65				
2 hr	2.10	2.66	3.06	3.62	4.06	4.50				
3 hr	2.19	2.88	3.33	3.99	4.50	5.01				
6 hr	1.95	2.51	2.86	3.42	3.86	4.25				
12 hr	3.12	4.08	4.68	5.64	6.24	6.96				
24 hr	3.60	4.80	5.52	6.48	7.20	8.16				

 Table 3.2

 Rainfall Depths for Franklin County, Kansas

3.3.4 Rainfall Duration

The design storm used in the analysis of a drainage system is the pattern of rainfall over a specific duration for a given return period. The duration that puts the greatest demand on the system is termed the "critical storm duration" and is roughly equal to the time of concentration of the watershed. Time of concentration, T_c , is the time at which the entire drainage area begins to contribute runoff. It may also be defined as the time required for runoff to flow from the farthest point in the watershed to the outlet. The "critical" duration represents the minimum time required to insure that runoff from all parts of the drainage area is included in the peak discharge measured at the outlet. The design storm duration used in this project was the 24-hour storm for all return periods.

3.4 RUNOFF

3.4.1 Soils

NRCS soils information used for calculating hydrologic parameters was obtained in an electronic format from the Kansas Data Access & Support Center (<u>DASC</u>). According to the source, soil scientists manually compiled field maps on 1:24000 scale one-third-quadrangle ortho-photography in the 1927 North American Datum (see **Exhibit A.4**).



3.4.2 Land Use

3.4.2.1 Existing Surface Conditions

In order to determine the parameters needed for the hydrologic model, a hydrologic land use map was developed for the watershed (see **Exhibit A.2**). Land use parameters influencing runoff were estimated from aerial photography and field observations. The curve numbers shown in **Table 3.3** were taken from TR-55, *Urban Hydrology for Small Watersheds*⁴. Curve numbers represent antecedent moisture condition II.

	Curve Numbers for Hydrologic Soil Group				
Cover Type / Land Use	Α	В	С	D	
Agricultural	77	86	91	94	
Airport	83	89	92	93	
Apartments / Duplexes	77	85	90	92	
Commercial	89	92	94	95	
Crop	67	78	85	89	
Farm	59	74	82	86	
High Density Residential	61	75	83	87	
Industrial / Heavy Commercial	81	88	91	93	
Low Density Residential	54	70	80	85	
Medium Density Residential	57	72	81	86	
Parks & Open Space	49	69	79	84	
Pasture	49	69	79	84	
Railroad	76	85	89	91	
Reservoirs / Lakes	98	98	98	98	
Residential	51	68	79	84	
Right of Way	83	89	92	93	
Schools	77	85	90	92	
Trees	36	60	73	79	
Vacant Commercial	77	86	91	94	
Vacant Residential	77	86	91	94	

Table 3.3 Runoff Coefficients

⁴ U.S. Department of Agriculture, Natural Resource Conservation Service, Conservation Engineering Division, *Urban Hydrology for Small Watersheds, Technical Release 55*, June 1986.





3.4.2.2 Future Surface Conditions

Future surface conditions were obtained from the *Ottawa, Kansas Comprehensive Plan 2003* which was developed by Bucher, Willis, & Ratliff Corporation for the City of Ottawa (see **Exhibit A.3**). In general, if an area of land was shown as developed under existing surface conditions, then the future condition was assumed to be the same land use. If an area of land was undeveloped under existing conditions (agriculture, vacant, trees, pasture, etc.), then the land use was revised to match future conditions.

3.4.3 Loss Method

The SCS Curve Number Loss Method was utilized according to the technical guidelines prescribed by the TR-55 Manual. Based on the combinations of soils types and land use characteristics shown in **Table 3.3**, a weighted runoff curve number was estimated for each subarea. This was done by subdividing each subarea into polygons representing every combination of land use and soils type. With a curve number assigned to each polygon, a weighted curve number was calculated for the entire subarea as follows.

Weighted Curve No. = $\sum (A_i \times CN_i) / \sum A_I$

Where

 A_i = area of each shape

 A_I = area of the subarea, acres

CN_i = Curve No. assigned to a given polygon

3.4.4 Time of Concentration

The time of concentration for a watershed is the time for runoff to travel from the hydraulically most distant point of the watershed to the discharge point of the watershed. Since SCS methodology was used for the development of the hydrology for most of the study, it was intended to use to the SCS lag equation and the SCS relationship between lag time and time of concentration to determine the time of concentration for each of the subareas.

However, these equations used for estimating travel times yielded high time of concentrations for many of the subareas and were concluded to not be appropriate for this watershed analysis. Several other methods were examined, but the one that yielded the most realistic results was the TR55 equation for estimating travel times for shallow concentrated flow for unpaved conditions.

$$V = 16.1345 (s)^{0.5}$$





Where: V = average velocity, ft/sec

s = slope of hydraulic grade line (watercourse slope), ft/ft

Time of concentration was then calculated by dividing length by the estimated velocity.

$$T_c = L / 60(V)$$

Where:

 $T_c =$ time of concentration, minutes

L = length of overland flow, ft

V = average velocity, ft/sec

3.4.5 Hydrographs

For each subarea, a flow hydrograph was calculated using the SCS dimensionless curvilinear unit hydrograph method.

3.4.6 Conveyance Routing

XP-SWMM performs hydraulic flow routing for open channel and/or closed conduit systems. The Hydraulic module receives hydrograph input from the Runoff module and performs dynamic routing of stormwater flows through the storm drainage system to an outfall. The program is capable of modeling branched or looped networks, backwater conditions, free-surface flow, pressure flow or surcharge, flow reversals, flow transfer by weirs, orifices and pumps, and storage facilities.

Conveyance elements (channels, pipes, etc.) were given a value for the Manning's "n" coefficient, which is a measure of the roughness of the element and is used in both XP-SWMM and HEC-RAS to calculate flows and water surface elevations. These "n" values were selected using field observations, project photos, aerial photos, and engineering judgment. Additionally, selected channels were idealized and modeled with trapezoidal or 8-point cross-sections within the Hydraulic module. Where trapezoidal cross sections were used to represent both channel and overbank a composite "n" value was derived from a preliminary 100-year storm processed in HEC-RAS.

Overland flow channels were used above all closed conduits to eliminate ponding and facilitate the movement of surface flow downstream allowing for more conservative peak flows. Each overland flow channel simulated a cross sectional shape appropriate for its location. This cross-sectional shape could





represent a roadway sag over a culvert, a gutter section, a backyard swale, or a side yard swale between properties.

3.5 MODEL CALIBRATION

Streams within the study area are not gauged. Therefore, it is not possible to calibrate the model by definition. However, it is possible to ascertain the soundness of the calculated flows by comparison to the USGS regression equations.

3.5.1 USGS Regression Equations

Estimates of flood-peak discharges for standard recurrence intervals are available from the U. S. Geological Survey in the form of a set of published regression equations. These equations were used to calibrate existing condition 100-year peak flows. Two sets of regression equations were necessary for the calibration of the models.

3.5.1.1 Rural Regression Equations

The first step was to estimate the peak discharges at given points in each watershed assuming that the streams are unregulated⁵ and rural. The U. S. Geological Survey has published regression equations particular to the State of Kansas⁶.

Variable	Description of Variable
Qi	Peak estimated rural discharge for a given return period
CDA	Contributing drainage area in square miles
Р	Mean annual precipitation in inches
Sl	Slope of the main channel in feet per mile
S	Average soil permeability in inches per hour.

Table 3.4Rural Regression Equation Parameters

For contributing drainage areas greater than 30 square miles, the 100-yr peak discharge is estimated by the following equation:

$$Q_{100} = 5.93(CDA)^{0.471}(P)^{1.733}(S)^{-0.332}$$

⁶ Patrick P. Rasmussen and Charles A. Perry, *Estimation of Peak Streamflows for Unregulated Rural Streams in Kansas*, Water-Resources Investigations Report 00-4079, U. S. Geological Survey and Kansas Department of Transportation, Lawrence, KS 2000.





⁵ "Unregulated streams" implies no stormwater detention in the watershed.

For contributing drainage areas from 0.17 to less than 30 square miles, the 100-yr peak discharge is estimated by the following equation:

$$Q_{100} = 19.80(CDA)^{0.634}(P)^{1.288}$$

Because all subareas for this study were less than 30 square miles, the second equation was used to estimate all rural flows. The mean annual precipitation in inches used for each of the subbasins was 38.2 inches. This value was interpolated from Figure 3 of *Estimation of Peak Streamflows for Unregulated Rural Streams in Kansas*.

3.5.1.2 Urban Regression Equations

Because some streams associated with this study are neither unregulated nor rural, a second set of regression equations was used to adjust the flows obtained from the rural regression equations. The U. S. Geological Survey also has published regression equations pertaining to a nationwide study of urban watersheds.

Variable	Description of Variable
UQi	Peak estimated urban discharge for a given return period.
RQi	Peak estimated rural discharge for a given return period (as described in the preceding paragraph)
А	Basin area in square miles
SL	Channel slope in feet per mile
RI2	Rainfall intensity for the 2-hour, 2-year storm in inches.
ST	Basin storage, the % of the basin occupied by lakes, ponds reservoirs, swamps & wetlands.
BDF	Basin development factor
IA	The percentage of the watershed occupied by impervious surfaces

Table 3.5Urban Regression Equation Parameters

For estimating the 100-yr peak discharge for urban watersheds, the following equation was used:

$$UQ_{100} = 2.50A^{0.29}SL^{0.15}(RI2+3)^{1.76}(ST+8)^{-0.52}(13-BDF)^{-0.28}IA^{0.06}RQ_{100}^{-0.63}$$



A rainfall intensity of 2.1 inches for the 2-hour, 2-year storm was used for all subbasins. This value was obtained from *Technical Paper No. 40 Rainfall Frequency Atlas of the United States* (TP-40)⁷. Basin storage was determined by using USGS Quadrangles maps, the 2-foot contours obtained from the City, and the NRCS soil information.

The basin development factor (BDF) was estimated by dividing the basin into thirds and within each third assigning a zero or a one to four different characteristics of the basin that are related to urbanization: channel improvements, channel linings, storm drains, and curb-and-gutter streets. For example, a completely developed basin with maximum urban impacts would have a score of 12; whereas, a totally undeveloped basin would have a score of zero.

The percent of impervious surface within a basin was estimated by referencing the existing land use map (which was developed for this study), the aerial photography, and taking field observations into consideration.

3.5.1.3 Results

Owing to the nature of the process, and the limited types of data used in obtaining these estimates, the possible error is quite large in the USGS estimates. The standard error produces an interval around the computed value for any of these equations that will include about two thirds of the actual values that might occur. The average standard error for the different recurrence intervals ranges from \pm 38% to \pm 49% for urban equations and between \pm 43.5% to \pm 60.5% for the rural equations.

Both rural and urban 100-year flows were examined in the analysis of this watershed for existing conditions. An urban basin is one in which greater than 5 percent of the drainage area is subject to commercial, industrial, or residential development. The analysis results are summarized below.

Table 3.6 shows the peak 100-year discharge and the peak 100-year discharge per total drainage area for the SWMM results, the USGS rural equation results, and the USGS urban equation results. The last column of **Table 3.6** shows the limits of the USGS equations for the peak 100-year discharge per total drainage area. For the 100-year event, the average standard error of prediction was \pm 57.5% of the estimated discharge for the rural basins and \pm 44% of the estimated discharge for urban subbasins.

⁷ Technical Paper No. 40 Rainfall Frequency Atlas of the United States (TP-40), National Weather Service.





		SW	MM	USGS	Rural	USGS	Urban	Limits of	of USGS
Area ID	Area mi ²	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ / Area cfs/Ac
Lower Wilso	n								
LWMC01	8.38	4778	0.89	8314	1.55			2.44	0.66
LWMC06	8.03	4731	0.92	8092	1.57			2.48	0.67
LWMC09	7.84	4837	0.96	7967	1.59			2.5	0.67
LWMC11	0.86	665	1.21	1960	3.57			5.62	1.52
LWMC12	0.71	604	1.33	1740	3.82			6.02	1.62
Upper Wilso	n								
UWMC02	4.99	3482	1.09	5987	1.87			2.95	0.8
UWMC05	4.23	3845	1.42	5385	1.99			3.14	0.85
UWMC08	2.19	2409	1.72	3546	2.53			3.99	1.08
UWMC10	0.87	1729	3.11	1975	3.55			5.6	1.51
Industrial Pa	ark								
UWMC01	1.92	2103	1.71			2852	2.32	3.34	1.3
IPMC09	1.56	2008	2.01			2727	2.73	3.93	1.53
IPMC13	1.13	1467	2.03			2071	2.87	4.13	1.61
IPMC15	0.85	1419	2.62			1524	2.82	4.06	1.58
Forest Park									
FPMC00	0.21	480	3.58			739	5.52	7.95	3.09
East 7th Stre	eet								
E7MC00**	0.06	150	5.68			321	8.26	11.9	4.63
East 4th Stre	eet								
E4MC00**	0.04	222	5.71			237	8.97	12.92	5.02
Sycamore St	reet								
SYMC00**	0.01	49	5.8			131	15.55	22.39	8.71
Possum Run									
PRMC01	0.34	911	4.14			1402	6.37	9.17	3.57
PRMC07	0.18	354	3.09			763	6.65	9.58	3.72
PRMC09	0.16	341	3.25			718	6.85	9.86	3.83
PRMC14	0.15	365	3.77			677	7	10.08	3.92
Country Clu	b								
CCMC00	0.47	750	2.5			1244	4.14	5.97	2.32

Table 3.6Model Calibration Results





		SW	MM	USGS	Rural	USGS	Urban	Limits of	of USGS
Area ID	Area mi ²	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ cfs	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ / Area cfs/Ac	Q ₁₀₀ / Area cfs/Ac
CCMC02	0.3	521	2.74			772	4.06	5.84	2.27
CCMC10	0.22	528	3.72			676	4.76	6.85	2.66
Visitor Cent	er								
VCMC01	1.06	1528	2.25	2241	3.3			5.2	1.4
VCMC03	0.48	1353	4.43	1351	4.42			6.97	1.88
VCMC04	0.28	922	5.07	972	5.35			8.42	2.27
VCMC06	0.18	658	5.76	725	6.34			9.98	2.69
Willow Stree	et								
WLMC00	0.49	755	2.42			1483	4.76	6.86	2.67
WLMC06	0.35	660	2.91			1078	4.75	6.84	2.66
WLMC09	0.22	479	3.45			669	4.83	6.95	2.7
WLMC11	0.14	295	3.37			572	6.54	9.41	3.66
Skunk Run									
SRMC02	1.2	2357	3.06			3691	4.79	6.9	2.68
SRMC07	0.94	1902	3.15			2917	4.83	6.95	2.7
SRMC22	0.56	1113	3.09			1863	5.17	7.44	2.9
SRMC31	0.37	883	3.77			1357	5.8	8.35	3.25
SRMC40**	0.13	248	4.21			510	5.95	8.57	3.33
Nugent Cree	k								
NCMC01	4.8	4309	1.4	5830*	1.9			2.99	0.81
NCMC04	4.4	4366	1.55	5570*	1.98			3.12	0.84
NCMC08	2.8	3710	2.07	4180*	2.33			3.67	0.99
E23MC01	1.2	2496	3.25	2410*	3.14			4.94	1.33
Rock Creek									
RCMC01	17.2	9543	0.87	13200*	1.2			1.89	0.51
RCMC02	15.8	9526	0.94	12500*	1.24			1.95	0.53
RCMC13	15.2	9571	0.98	12200*	1.25			1.98	0.53
RCMC31	13.9	9645	1.08	11500*	1.29			2.04	0.55

Table 3.6 **Model Calibration Results**

*Estimated discharge obtained from the Franklin County Flood Study. ** Drainage area is less than 0.17 square miles.





Figure 3.2 illustrates SWMM results, USGS results, and the limits of the USGS equations for the Forest Park, the East 4th Street, the Sycamore Street, and the Visitor Center Watersheds.









Figure 3.3 shows calibration results for the Upper Wilson Creek, the Lower Wilson Creek, the Rock Creek and the Country Club Watersheds.



Comparison of USGS Results and SWMM Results Upper Wilson, Lower Wilson, Rock Creek, and Country Club Watersheds

Figure 3.3





Figure 3.4 compares SWMM and USGS results for the Willow Street, the Nugent Creek, and the Industrial Park Watersheds.



Comparison of USGS Results and SWMM Results Willow Street, Nugent Creek, and Industrial Park Watersheds

Figure 3.4





Figure 3.5 shows results for the Skunk Run, the Possum Run, and East 7th Street Watersheds.



Comparison of USGS Results and SWMM Results Skunk Run, Possum Run, and East 7th Street Watersheds

Figure 3.5

It may be noted that 100-year peak discharge estimates for the USGS regression equations for Rock Creek and Nugent Creek were obtained from the Franklin County Flood Study prepared by URS Corporation. Equations, references, and assumptions used during the development of the USGS estimates as stated in the Franklin County Flood Study were similar to those used for this watershed study.

3.5.1.4 SWMM Constraints

As illustrated in the above table and figures, SWMM results were generally lower than the USGS results. This can be attributed to several reasons. The most significant reason being the storage of flows within the SWMM model.

Ensuring all channels had sufficient capacity and incorporating overland flow channels over the enclosed system was one way to allow flow to be passed downstream and not stored. This increased flows significantly and decreased the volume of flow stored by SWMM.





Another constraint of the SWMM model was the attenuation of flow within the channels. This was considered to be the major contributor to the lower than anticipated flow rates.

3.5.1.5 USGS Regression Equation Constraints

There were several constraints on the USGS regression equations that, in addition to the SWMM constraints, may have resulted in the variation between USGS flows and SWMM flows.

The USGS regression equation used to estimate peak discharge for rural areas contains only two variables: the contributing drainage area and the annual mean precipitation. With only two variables, this equation does not consider any characteristics of the watershed being analyzed.

Another constraint of the rural equation is it was developed for use on drainage areas ranging between 0.17 to less than 30 square miles. As denoted in the above table, there are several subbasins that do not meet these criteria and have a drainage area of less than 0.17 square miles.

For the urban areas, the USGS regression equation does take into account more of the characteristics of the watershed. However, this equation is so strongly impacted by the input of the peak discharge calculated from the rural equations that if the rural results are high it is inevitable that the urban results will also be high.

Other factors in the urban equation also have an impact upon results. The BDF and the percent impervious area are both variables that depend significantly upon engineering judgment and as result can fluctuate immensely.

3.5.1.6 Conclusion

Results obtained from SWMM were generally lower than those estimated using the USGS regression equations. However, the majority the SWMM points analyzed fell within the average standard error.

For example, as shown in **Table 3.6**, the calculated SWMM peak discharge per area for the point VCMC01 was 2.25. The limits of the USGS for this particular drainage area were 5.20 to 1.40. This illustrates that this 100-year peak discharge per acre is within the acceptable standard error. This corroborated that the SWMM results were in fact satisfactory compared to the USGS regression results.

Although it is never desirable to proceed without gauge data for calibration, it was done here, as it is commonly done elsewhere due to the scarcity of gauged streams. Lacking this validation, the process of checking methods against one another is useful because it allows the model builder to demonstrate that the model results are consistent with generally accepted practices in calculating these statistics.





Section 4 Hydraulic Modeling





4.0 HYDRAULIC MODELING

4.1 INTRODUCTION

The hydraulic analysis of streams within the study was done using two models. In areas where floodplains were to be established (Nugent Creek, Wilson Creek, Rock Creek and Visitor Information Center), HEC-RAS (Version 3.1.1) was used to calculate water surface profiles for steady, gradually varied flow in natural and improved open channels. In areas where only the level of service was a concern, the hydraulic block of the XP-SWMM model was used.

This section discusses the procedures used for the study and describes in detail data development, model development, model-input parameters, data format, naming conventions, and calibration. **Exhibit A.6** shows the basic structure of the hydraulic model as well as the newly established floodplains.

4.2 HEC-RAS MODELS

4.2.1 Digital Terrain Model

A digital terrain model (DTM) was developed from the mapping data provided by the City and from the additional mapping obtained as part of the study. The DTM's purpose for this study was to allow computer software to extract channel centerlines and cross section data. Using HEC-GeoRAS, the information contained in the mapping was extracted from the DTM and imported into the HEC-RAS model.

4.2.2 Stream Network

The stream network was derived from the hydrography information contained in the City data. A GIS feature class was developed from the contour mapping by digitizing the apparent stream course. In effect, the stream network represents the channel centerlines of the streams modeled in HEC-RAS.

4.2.3 Stream Cross Sections

Placement and alignment of cross sections were determined by engineering judgment. In general, cross sections were placed closer together than a maximum spacing of 500 feet.

Additional cross sections were added at bridges and culverts. As prescribed in the HEC-RAS Hydraulic Reference Manual, four cross sections are associated with each hydraulic structure as follows:

• Cross Section 1 is placed approximately 4 times the opening width downstream of the structure.





- Cross Section 2 is placed at the downstream face of the structure, just outside of the roadway embankment.
- Cross Section 3 is placed at the upstream face of the structure, just outside of the roadway embankment.
- Cross Section 4 is placed approximately 1 times the width of the opening upstream of structure.

Cross sections were delineated from left to right looking in the downstream direction and were drawn so that each end projected beyond the maximum extent of the 500-year floodplain. Cross section stations reflect the distance in feet from confluence.

4.2.4 Flow Paths

HEC-RAS estimated friction losses between cross sections using roughness coefficients and distances between cross section. A GIS shape file was developed using contour mapping and the cross section data to define three distinct flow paths: the left overbank, channel, and right overbank regions of flow. Flow path lengths were incorporated into the HEC-RAS model using HEC-GEORAS.

4.2.5 Roughness Coefficients

Roughness coefficients are empirical parameters used to relate surface conditions to conveyance friction losses in the HEC-RAS model. **Table 4.1** shows the relationship between land cover and Manning's "n" values. Typically, roughness coefficients used for this study were taken from the HEC-RAS Reference Manual.

Land Cover	Roughness Coefficient
Urban residential (high/low density)	0.060
Urban commercial	0.050
Pavement	0.013
Floodplain; no brush	0.035
Floodplain; brush and trees	0.090
Dense trees	0.11 to 0.15
Light brush and trees	0.060
Grass, no brush	0.035
Crops	0.035

Table 4.1Roughness Coefficients



4.2.6 Bridges and Culverts

For this study, approximately thirty (30) bridges and culverts were modeled in accordance with the recommended procedures outlined in the HEC-RAS Hydraulic Reference Manual.

4.2.6.1 Cross Sections

HEC-RAS requires four cross sections when modeling a bridge or culvert. Specific locations of cross sections at a hydraulic structure are described above in Section 4.2.3.

4.2.6.2 Bridge Deck / Roadway

Bridge Deck/Roadway information was acquired from the topographic survey. Where survey data proved to be insufficient, the data was supplemented with information from the base mapping.

4.2.6.3 Modeling Approach

Typically, the highest energy answer between Energy (Standard Step) and Momentum method was selected for low flow calculations. For high flow calculations, the Pressure and/or Weir method was used. As an exception, perched bridges and culverts were modeled using Energy methods. It should be noted that this approach to bridge modeling was a general philosophy, but not a hard and fast rule. The results from each bridge were evaluated, and engineering judgment was used to obtain reasonable results.

4.2.6.4 Internal Bridge Cross Sections

As general rule, internal bridge cross sections were not modified. However, some revisions to internal cross sections may have been necessary. Specifically, when Cross Sections 2 and 3 were not cut perpendicular to the bridge face, the deck / roadway would be obscured by the cross-sections. With weir area (roadway) obscured, HEC-RAS uses the cross section points as the weir. As a result, the calculated head on the weir is often overestimated. Where this conservatism was of particular concern, the internal bridge cross section was modified so that the all of the roadway points were used for weir flow.

4.2.7 Ineffective Flow Areas

Ineffective flow areas were determined using cross-section plots, contour information and photos. Ineffective flow area examples include:

- Floodplain areas significantly below the top of the channel bank not hydraulically connected to the channel downstream
- Floodplain areas within hydraulic shadow of roadway encroachments caused by contraction and expansion of flow through bridge or culvert openings





• Floodplain areas within hydraulic shadow of other obstructions or irregularities in the stream valley floodplain

4.2.8 Expansion and Contraction Coefficients

Expansion and contraction coefficients were estimated based on the ratio of effective flow area in the floodplain occurring at stream valley cross-sections, roadway crossings, and dams. **Table 4.2** lists typical coefficients used in the model. For roadway crossings, expansion and contraction coefficients were applied to the first two cross-sections upstream and one cross-section downstream of the structure.

Transition Type	Expansion	Contraction			
	Coefficient	Coefficient			
Gradual	0.3	0.1			
Roadway Crossing	0.5	0.3			
Abrupt	0.8	0.6			
Data from HEC-RAS Hydraulic Manual					

Table 4.2	
Expansion and Contraction Coefficients	5

4.2.9 Flow Data

For this study, one-dimensional, steady state flows were used as a basis for hydraulic modeling. The peak flow rates at points of interest in the watershed were estimated using the Runoff module described in Hydrologic Modeling section this report.

4.2.9.1 Profiles

Peak flow rates from the 2, 5, 10, 25, 50, and 100-year storms were used in the hydraulic analysis.

4.2.9.2 Flow Change Locations

At a minimum, HEC-RAS requires a flow rate to be established at the top of each reach. Theoretically, flow rates increase continuously along a reach because of lateral inflow of runoff. While it would be impossible to account for continuous increases in flow rate, it is appropriate to increase the flows at particular cross section locations. These locations in the hydraulic model are reflective of hydrograph calculations in the hydrologic model.

4.2.9.3 Boundary Conditions

In accordance with guidelines established by FEMA, boundary conditions were established using normal depth calculations.





4.2.9.4 Flow Conditions

Floodplain information was calculated for two types of land uses: Existing Surface Conditions and Future Surface Conditions.

4.2.9.5 Detention / Storage

Attenuation created by ponds, lakes, and some highway embankments was modeled in XP-SWMM, and the results were incorporated into HEC-RAS.

4.2.10 Floodway Analysis

Floodway limits were not determined as part of this study.

4.2.11 Calibration

Due to the lack of any physical data (such as gauge records) indicating high water elevations for a known flow recurrence interval, true calibration of the hydraulic models could not be performed. Results of the model were gauged against anecdotal information obtained from the public meetings and from problem areas identified by City Staff.

4.2.12 Quality Control / Debugging

Once the HEC-RAS models were calibrated, a final examination of the input parameters was made using the Check-RAS program distributed by FEMA (Version 1.1).

According to the documentation accompanying the program, the "Check-RAS is a program designed to check the reasonableness of the data found in HEC-RAS. Geometric, steady flow and output data are three types of data used to verify that hydraulic estimates and assumptions made in the model appear to be justified and are in accordance with the assumptions and limitations of the HEC-RAS program and applicable FEMA requirements."

Check-RAS allows users to examine a variety of parameters from HEC-RAS data files, as well as generate, view, and print reports, which include tables and messages. Using the HELP message database can reference additional information about the messages identified.

Although the HEC-RAS program provides several messages, CHECK-RAS differs from HEC-RAS in several ways. Only, CHECK-RAS does the following:

- Categorizes floodplain modeling into five distinct areas of checks
- Provides a summary table and messages for each area of check





- Assesses the suitability of roughness coefficients and transition loss coefficients
- Assesses the suitability of starting water-surface elevations
- Assesses bridges and culverts modeling
- Provides a detailed floodway analysis
- Compares important parameters among multiple profiles
- Proposes solutions through the use of the Help screens

Each Check-RAS warning was reviewed and evaluated for applicability. Necessary changes were made to the HEC-RAS model.





Section 5 System Performance




5.0 SYSTEM PERFORMANCE

5.1 INTRODUCTION

After completion of the hydraulic analysis, the overall existing system performance was analyzed to determine where problem areas occur within the watersheds. This section will describe the overall location, land use, existing drainage system, and deficiencies within the existing system for each watershed.

When determining if a location was inadequate, a desired level of service was defined for each type of system. A 10-year level of service was considered adequate for the enclosed portions of the systems, and a 25-year level of service was desired for culverts and bridges located along an open channel system. In addition, the concrete channel running throughout Skunk Run was analyzed as having a desired 50-year level of service.

5.2 INDUSTRIAL PARK WATERSHED

5.2.1 Location

As shown on **Exhibit A.1**, the Industrial Park Watershed lies on the northern edge of the City and has a tributary area of approximately 1240 acres. The northern limit is located between Pawnee Road and Sand Creek Road. The western boundary is generally 1000 feet west of Main Street and the eastern boundary is located between Davis Avenue and Nebraska Road. Wilson Street bounds the watershed on the south.

5.2.2 Land Use

This watershed is approximately 33% developed and 67% undeveloped. The developed area is comprised of residential, industrial, and commercial areas. The undeveloped area is crop or pasture and is generally located on the north and east sides of the watershed.

Future land use categorizes the eastern portion of this watershed as residential development and also as long term development.

5.2.3 Existing Drainage System

The main drainage system of Industrial Park is an open channel conveyance system consisting of natural channels, culverts, and bridges. Upstream flows along the main branch travel through a series of RCB's and open channels including two 12-foot x 6-foot RCB's located beneath the North Street and Cherry Street intersection.





Small enclosed systems and open channels convey a majority of the residential runoff in this watershed to the main system. These flows are passed through two 8-foot x 12-foot RCB's at the BNSF Railway just northwest of the North Street and Mulberry Street intersection.

Flows contributing to the main system at the downstream end of the watershed are generally from agricultural areas. Conveyance continues to be through open channels, culverts, and bridges including: three 12-foot x 12-foot RCB's under U.S. Highway 59; a bridge located along the Midland Railway line; and a bridge along Pawnee Road.

Downstream of the Pawnee Road Bridge, the main channel of Industrial Park combines with the Upper Wilson Creek. Flows at this location are considered part of the Upper Wilson Creek watershed.

5.2.4 System Performance

Overall, there are several locations along the main system and secondary systems were culverts, bridges and the enclosed system do not adequately meet the desired level of service. Areas that did not meet these criteria were deemed as problem areas and are discussed herein. **Exhibit A.6** can be referenced for locations of system components.

5.2.5 Problems Identified by City

5.2.5.1 Kalmar Industries

Kalmar Industries is located north of the N. Oak and Dundee Street intersection. Residential flows south of Dundee Street are carried through a small enclosed system and then discharged into an open channel. A portion of this channel runs along the Kalmar Industries property. The City reports that the channel capacity is insufficient and results in overflow onto the Kalmar Industries parking lot.

5.2.6 Problems Identified by Modeling

5.2.6.1 Culverts Upstream of North Street

The three sets of RCB's located at North Street and upstream are problem areas. Modeling suggests that the RCB's beneath North Street (IPMC15) are undersized and as a result North Street is overtopped during the 25-year event.

Further upstream, the two RCB's (IPMC19 and IPMC17) are also undersized and result in driveways being overtopped during the 25-year event.





5.2.6.2 Culverts at North Street and Cherry Street Intersection

Along the main conveyance system, the two 6-foot x 6-foot RCB's under the intersection of North Street and Cherry Street do not have sufficient capacity. Modeling suggests that this intersection is overtopped during 25-year event.

5.2.6.3 Bridge at Pawnee Road

The bridge located at Pawnee Road at the downstream side of the watershed was also identified as a problem area during the analysis. According to HEC-RAS results, the bridge would be overtopped during the 25-year event.

Ponding in this area in not a crucial concern since it is an undeveloped area in this vicinity, but a level of service of a 25-year event must be met for the roadway.

5.2.6.4 Enclosed System at Dundee Street and Oak Street Intersection

Modeling suggests that the enclosed system located near the intersection of Dundee Street and Oak Street is undersized.

This system, consisting of two 24-inch (IPL2A05 and IPL2A04) and one 30-inch (IPL2A03) reinforced concrete pipes, carries the majority of the flow from the residential area located south of Dundee Street to a natural channel. The 10-year flow event exceeds the combined capacity of all three pipes which could result in possible ponding on Dundee Street at this location.

5.2.6.5 System along Mulberry Street

The upstream enclosed system (IPL411-IPL406) running parallel to Mulberry Street appears to be a problem area. The system is comprised of 24-inch and 30-inch storm sewers. According to modeling, the 30-inch adequately conveys the 10-year event. However, the 24-inch pipes may be undersized to meet the desired level of service.

Further downstream in the open channel conveyance system, a 30-inch CMP (IPL404) under an entrance approach is also not sized adequately to meet the 25-year event requirement, but does not overtop the roadway.

As a result of these undersized pipes, modeling suggests that ponding would most likely occur in the ditches without significant overtopping of roadways. However, it is a concern because it is located in the residential portion of the watershed.





5.2.6.6 Garfield Street and Cherry Street Intersection Area

The small enclosed system of three 24-inch reinforced concrete pipes (IPL6A03-IPL6A01) in the vicinity of the Garfield Street and Cherry Street intersection are undersized to convey the 10-year event. In addition to ponding in the ditches, there may be overtopping of the roadways.

A CMPA (IPL602), 42-inch x 24-inch, located beneath the intersection of Cherry Street and Enterprise Street is also inadequately sized. However, the model results suggest that the intersection would not be overtopped and this culvert is located in an undeveloped area.

5.3 UPPER WILSON CREEK WATERSHED

5.3.1 Location

Upper Wilson Creek Watershed is located in the northeast part of the overall study area. The watershed is generally bound to the north by Riley Road and to the south by Pawnee Road. The western boundary extends approximately three-fourths of a mile west of Eisenhower Road with the eastern boundary being located between Montana Road and Tauy Creek. The total drainage area is approximately 3200 acres.

5.3.2 Land Use

Under current land use conditions, this watershed is approximately 15% developed. The developed area is made up of industrial and commercial areas with a few residential structures. This small percentage of the watershed is typically located in the middle to southern part of Upper Wilson Creek and is generally along the BNSF Railway, which runs through the middle of the basin.

For existing conditions, the majority of this watershed is considered undeveloped and is characterized by agricultural lands including pastures, crops, and scattered farms.

Future conditions for this watershed do not vary significantly from existing conditions. Some areas located on the east side of Upper Wilson Creek are slated for future long term development.

5.3.3 Existing Drainage System

The majority of this watershed is considered part of the non-detailed analysis; therefore, detailed mapping and surveying was not acquired for most of this area. However, land use mapping characterizes this area as generally undeveloped and of agricultural nature, it can be assumed that the existing drainage system is typically an open channel conveyance with limited to no enclosed systems.

At Pawnee Road and south, this basin is considered part of the detailed study area and survey information and mapping was available. All upstream drainage from Upper Wilson Creek flows through two 12-foot





x 6-foot RCB's located beneath Pawnee Road. Immediately south of this location, Upper Wilson Creek combines with the Industrial Park Watershed and carries flows southwest to Lower Wilson Creek.

5.3.4 System Performance

As stated, only a small part of this watershed is considered to be part of the detailed analysis. As such, only the downstream part of Upper Wilson Creek was looked at for system performance.

5.3.5 Problems Identified by City

No problems were identified by the City for this watershed.

5.3.6 Problems Identified by Modeling

5.3.6.1 Culverts at Pawnee Road

Modeling suggests that the two 12-foot x 6-foot RCB's at Pawnee Road used to convey upstream flows are undersized for the 25-year event. The roadway may be overtopped in this vicinity to create a problem area; in addition, there are several buildings directly upstream of this structure that could be flooded during the 10-year event or greater events.

5.4 LOWER WILSON CREEK WATERSHED

5.4.1 Location

Lower Wilson Creek Watershed encompasses approximately 900 acres. The total contributing drainage area to Lower Wilson Creek is approximately 5350 acres, which includes contributing area from the Upper Wilson Creek and Industrial Park watersheds.

Boundary limits for this watershed are Reno Road on the north, Marais Des Cygnes River on the south, and the ridge between Sand Creek and Lower Wilson Creek on the west. In the upstream portion of the basin, the watershed is bounded on the east by the ridge between Lower Wilson Creek and Upper Wilson Creek. Downstream, the watershed is generally bounded on the east by Cleveland Street (see **Exhibit A.1**).

5.4.2 Land Use

Existing conditions show the watershed generally being undeveloped with only 16% being urbanized. Development is typically south of the BNSF Railway and can be described as commercial and industrial with some residential areas. The undeveloped portions of the watershed can be characterized by agricultural, pasture, crop, trees, and parks/open spaces. Future development in this watershed was not indicated by the future land use plan.





5.4.3 Existing Drainage System

Similar to Upper Wilson Creek, a significant part of this basin is not within the detailed analysis limits. Considering the land use mapping, it can be assumed that this system is an open channel system with culverts and/or bridges to convey flow beneath roadway embankments. Where detailed surveying and mapping were available, it is apparent that the existing system consists of natural channels and bridges.

Lower Wilson Creek and Upper Wilson Creek combine just downstream of Pawnee Road. The channel from here continues south under the BNSF Railway bridge and continues under the Wilson Street bridge. The channel then travels over a concrete, inline weir and eventually empties to the Marais Des Cygnes River.

5.4.4 System Performance

System performance was considered at Pawnee Road and downstream due to the detailed analysis limits.

5.4.5 Problems Identified by City

No problems were identified by the City for this watershed.

5.4.6 Problems Identified by Modeling

5.4.6.1 Culverts at Pawnee Road

Modeling suggests that the two 6-foot x 3-foot RCB's beneath Pawnee Road are not sized adequately. The roadway profile appears to sag at this location resulting in overtopping of Pawnee Road during the 25-year flood event.

5.5 FOREST PARK WATERSHED

5.5.1 Location

Located just north of the Marais Des Cygnes River, this small watershed has a total drainage area of approximately 130 acres (see **Exhibit A.1**). It is bounded on the north by Wilson Street and to the south by the Marais Des Cygnes River. The general west boundary is Cleveland Street and the east boundary is the BNSF Railway.

5.5.2 Land Use

Currently, approximately 23% of the watershed is developed and is characterized by residential and industrial/heavy commercial areas. The undeveloped region is in the southwest portion of the basin and consists of parks and open space. Future development is not anticipated within this watershed.





5.5.3 Existing Drainage System

Forest Park consists of four separate drainage systems that are combined on the landward side of the levee before being discharged into the Marais Des Cygnes River. One system consists of an open channel that flows into a 30-inch CMP. This system is responsible for carrying runoff from the residential area located in the north part of the watershed and for carrying runoff from the park on the west side of the basin.

Park runoff is also collected and carried to the main system through a grate inlet and 24-inch concrete pipe.

A small enclosed system with pipe sizes ranging from 15 inches up to 24 inches collects runoff from the large industrial and railroad area located on the northeast side of the watershed.

Flows from the east are carried by the fourth drainage system consisting of a series of concrete pipes.

All of these systems are combined and conveyed through the levee by a 6-foot concrete pipe and discharged into the Marais Des Cygnes River.

5.5.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.5.5 Problems Identified by Modeling

As shown by modeling efforts, all of the enclosed systems within this watershed are undersized for the 10-year event except for the 36-inch pipe (FPL101) coming in from the east and the 6-foot concrete pipe outfall.

5.5.5.1 Open Channel and 30-inch Pipe

The trapezoidal channel carrying flows from the residential area and the park may allow flows into the overbank according to modeling. The 30-inch pipe in which the channel empties may also be undersized.

As a result, possible flooding along the banks of the channel and ponding at the entrance to the 30-inch pipe may occur. Further evaluation, however, of this area suggests that it may not be a significant problem area because there is no development in the immediate vicinity of the channel. Ponding near the entrance of the culvert should not cause water levels to exceed the adjacent roadway during the 10-year event.





5.5.5.2 Enclosed System from Northeast

Suggested by modeling results, the entire enclosed system starting at FPL208 to FPMC03 may not be adequate to convey the 10-year event. Modeling shows the area inlets, grate inlets, and curb inlets to be surcharged along this secondary system.

At the upstream end of the system, ponding may occur in the vicinity of the grate inlets, but the roadway embankments do not appear to have significant overtopping occurring. However, Locust Street at FPL202 and FPL201 will more than likely have some flows overtopping the roadway.

5.5.5.3 Enclosed System from East

The pipes between FPL104 and FPL102 appear to be undersized, and surcharging may occur at the upstream grate inlet (FPL104) and curb inlet (FPL103) along Tecumseh Street. Although not significant, the surcharging at the curb inlet (FPL103) along Tecumseh Street may result in some nuisance ponding in the street. It does not appear that the entire roadway embankment would be overtopped at this location.

5.6 POSSUM RUN WATERSHED

5.6.1 Location

North of the Marais Des Cygnes River, the Possum Run Watershed is located within City limits. The drainage area for this basin is 220 acres. The general watershed limits are Grant Street on the north, Sycamore Street on the east, the BNSF Railway on the west, and the Marais Des Cygnes River on the south (see **Exhibit A.1**).

5.6.2 Land Use

This watershed is almost completely developed with only 7% being undeveloped. The developed area primarily consists of medium to heavy residential areas with commercial areas along Main Street. Being located directly in City limits, the small percentage of undeveloped area is characterized by parks and open space.

Since the vast majority of this watershed is already developed, future land use does not predict any substantial further development within this basin. Therefore, existing conditions and future conditions land use are closely related for the Possum Run watershed.





5.6.3 Existing Drainage System

The existing drainage system for this watershed is a combination of open channels and enclosed systems. Three separate branches drain into a downstream detention area which discharges into two 7-foot x 7-foot RCB's under the levee. This structure empties into the Marais Des Cygnes River.

Runoff from apartments and commercial buildings on the south side of the watershed is collected by a small enclosed system. This system is a series of concrete pipes with diameters from 24 inches up to 36 inches. Flows originate from the south and discharge into the detention area.

The main system conveys flows from the north and northwest part of the watershed. The system begins with an enclosed system consisting of smaller-sized pipes that discharge into a natural channel. The channel continues south to approximately Red Jacket Street at which point a secondary enclosed system combines with the main system. The main system from here is an open conveyance system.

From Red Jacket Street south, the channel goes through a 6-foot concrete pipe, daylights, and then continues through another 6-foot concrete pipe and then to an open channel. At the Logan Street and King Street intersection, the channel travels through two 36-inch x 30-inch CMPA's and then continues south as a natural channel to two 72-inch x 54-inch CMPA's. After the CMPA's, a 6-foot x 4-foot RCB discharges into another natural channel which in turn flows into a 5-foot diameter pipe that empties into the detention area.

The third main branch is an enclosed system on the upstream end and an open channel system at the downstream end. Drainage collected along this line is mostly from residential land uses. From the intersection of Poplar Street/Massasoit Street and downstream to the intersection of Cedar Street/Powhattan Street, the system is a series of 15-inch and 24-inch concrete pipes. The system continues west at this point through a 4-foot x 4-foot RCB and outlets into a natural channel. The channel flows south and under a small bridge and then downstream through a 7-foot x 3-foot elliptical concrete pipe to natural channel. Beneath Keokuk Street is a 6-foot x 6-foot concrete RCB that flows into the detention area.

At the detention area, all flows are combined and discharged through the reinforced concrete structure at the levee.





5.6.4 Problems Identified by City

5.6.4.1 N. Hickory and Poplar Street System

The City has reported problems with the enclosed system from the Poplar and Massasoit Street intersection downstream to the Powhattan and Cedar Street intersection. In addition to the line being undersized, the alignment of the existing system needs to be altered to avoid existing structures.

5.6.4.2 Logan Street Culverts

Culverts located beneath Logan Street near the King and Logan Street intersection are undersized. The City has reported frequent nuisance flooding within this area.

5.6.5 Problems Identified by Modeling

5.6.5.1 Wilson Street Enclosed System

The small enclosed system near the Wilson and Main Street intersection may be undersized to carry flows from the 10-year flood event. Modeling indicates that curb inlets at this intersection (PRMC21 and PRMC20) and curb inlets (PRMC19 and PRMC18) along Wilson Street will surcharge causing street flooding at these locations.

5.6.5.2 Red Jacket Street System

Several of the pipes within this reach may be undersized for the 10-year event. Structures PRL304 downstream to PRL301 are surcharging under these flow conditions according to modeling results.

The surcharging of these structures causes ponding in the street and may result in overtopping of the embankments at the Main Street and Red Jacket Street intersection and also at the King Street and Red Jacket Street intersection.

5.6.5.3 Logan Street Culverts

Two 36-inch x 30-inch CMPA's (PRMC12) at the intersection of King Street and Logan Street may be undersized. As a result, water that ponds on the surface may cause damage to the adjacent commercial buildings. Commercial buildings located in the vicinity are between elevation 890 feet and 892 feet with modeling results indicating water surface elevations reaching approximately 891 feet. It is also possible that the roadway embankments will realize some flooding as well.

5.6.5.4 N. Hickory and Poplar Street System

Pipes within the enclosed system beginning at the Poplar Street and Massasoit Street intersection (PRL218) are shown to be undersized all the way downstream to the Powhattan Street and Cedar Street





intersection (PRL209). Modeling predicts that the structures along this line will surcharge. Because most of these structures are curb inlets, surcharging would result in ponding of water on roadways and in some cases may cause overtopping of the roadway embankment.

5.7 SYCAMORE STREET WATERSHED

5.7.1 Location

As shown on **Exhibit A.1**, this is a small watershed nestled between Possum Run and Country Club basins. The total runoff area contributing to this overall watershed is approximately 8.5 acres. The watershed is generally bounded by Massasoit Street to the north, Mulberry Street to the west, Sycamore Street to the east, and the Marais Des Cygnes River to the south.

5.7.2 Land Use

Current conditions reflect that this watershed is 100% developed with residential homes. Because the basin is already completely developed, future land use conditions will not change.

5.7.3 Existing Drainage System

The existing drainage system modeled is entirely an enclosed system. Water flows into the system at the Sycamore Street and Logan Street intersection through 3-foot x 2-foot corrugated metal ellipses. Downstream, the system is comprised of 30 inch concrete pipes that discharge into the Marais Des Cygnes River.

5.7.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.7.5 Problems Identified by Modeling

Modeling indicates that the first 3-foot x 2-foot corrugated metal ellipse (SYMC05) and one of the 30inch concrete pipes (SYMC02) are not sized to convey the 10-year flows. However, these areas were not deemed as problem areas because the structures at these locations were not surcharging. All other pipes along this line conveyed flows adequately.

5.8 COUNTRY CLUB WATERSHED

5.8.1 Location

The majority of this watershed is located within City limits and is roughly bounded on the north by Wilson Street, on the west by Sycamore Street, on the east by Davis Street, and on the south by the Marais Des Cygnes River.





The total contributing drainage area for the Country Club watershed is approximately 300 acres.

5.8.2 Land Use

Currently, 43% of the watershed is developed and 57% is undeveloped. The developed area, which is primarily located on the northeast side of the basin, consists mainly of residential homes. The undeveloped region consists of the Country Club golf course, pasture land, parks and open spaces, and vacant residential areas. The future land use plan does predict commercial and residential development in those undeveloped areas of the Country Club watershed except were designated parks and open spaces already exist.

5.8.3 Existing Drainage System

The current drainage system consists of two separate line reaches that combine just upstream of the Marais Des Cygnes River. These systems are partially enclosed system and partially open channel flow.

The majority of the residential runoff is collected by the system located on the west side of the basin. Near Cherry Street, the system is a series of 24-inch concrete pipes and a 32-inch x 24-inch concrete ellipse. From this point downstream, the system is open channel conveyance.

Runoff is conveyed south through a natural channel and then through two 24-inch concrete pipes. The pipes discharge into a concrete channel just north of Powhattan Street. Below Powhattan, the system continues south and travels through two 6-foot x 2-foot elliptical concrete pipes to a natural channel and then through a 4.5-foot x 3-foot elliptical concrete pipe. The channel daylights briefly and then travels through a 7-foot x 4-foot RCB to a natural channel.

The drainage system on the east side of the basin conveys drainage from the undeveloped areas. The system is typically open channel with culverts and a small enclosed system on the secondary tributaries. Located at the headwaters of this system is a 4-foot CMP beneath Davis Avenue. From Davis Avenue, flow is conveyed through a natural channel to an 18-inch CMP under a golf cart path. Flow is then routed through a 4-foot by 3.75-foot concrete box culvert which empties into a small reservoir. Flow accumulates in the reservoir until water levels exceed the drainage ditch elevation, which carries flows east to a grate inlet.

Flows drop down into the grate inlet and are conveyed beneath Logan Street through a 10.5-foot x 10.5-foot RCB. Just downstream of the box culvert, a secondary system ranging in size from 24 to 36 inches combines with the main channel.





Approximately 1000 feet upstream of the outfall, both systems converge and flow south to the Marais Des Cygnes River.

5.8.4 Problems Identified by City

5.8.4.1 Country Club Lake

Overflow from the Country Club Lake is currently conveyed through an emergency spillway which empties into a small open channel. The open channel discharges into a grate inlet located at the upstream end of a 10.5-foot x 10.5-foot RCB culvert beneath Logan Street.

Information obtained from the City stated possible overtopping of Logan Street was an issue due to water being ponded at the grate inlet. It was suspected by City staff that the accumulation of trash and debris on the grate inlet was causing the flooding problems.

5.8.5 Problems Identified by Modeling

5.8.5.1 System between Red Jacket Street and Logan Street

The small enclosed system at the upstream end of the western system may not be adequately sized to convey a 10-year event. The three structures located along Cherry Street are curb inlets that surcharge under these flow rates. This results in water ponding at structures CCL112 and CCL111, which is the low point in the roadway profile, and may cause overtopping of the embankment at this location.

Further downstream, the two 24-inch CMP's (CCL109) are also undersized. However, accumulation of flows at this point is not crucial since this area is undeveloped.

The 4.5-foot x 3-foot elliptical concrete pipe (CCL107) that parallels Spruce Street may be undersized according to modeling results. However, flooding around the entrance of this structure may not be critical because the area is open space.

5.8.5.2 Culvert at Davis Avenue

The hydraulic analysis shows the roadway at Davis Avenue is overtopped even during low flow events, such as the 5-year event. Because the 4-foot CMP (CCMC13) does not adequately convey flow rates to meet a 25-year level of service, this area is considered to be a problem area.

5.8.5.3 Golf Cart Paths

Located in the Country Club, there are two structures beneath golf cart paths. The first is an 18-inch diameter CMP. The second structure further downstream is a 4-foot x 3.75-foot concrete box. Both golf cart path embankments are overtopped during 25-year flows.





Although it should be noted that these structures are undersized, this vicinity should not be considered a true problem area since the embankments are golf cart paths and not roadways. The hydraulic modeling also shows the residences located on the west side of the channel are out of the 100-year floodplain.

5.9 VISITOR INFORMATION CENTER WATERSHED

5.9.1 Location

Located on the northeast side of the watershed study area, the Visitor Information Center Watershed has a contributing area of approximately 675 acres. The limits of the watershed are generally Osborne Terrace on the north; Davis Avenue on the west; Howell Drive on the east; and the Marais Des Cygnes River on the south (see **Exhibit A.1**).

5.9.2 Land Use

Current conditions for this basin show 17% of the watershed is developed. This developed area is residential, commercial, and industrial areas. The majority of the basin is undeveloped agricultural, pasture, and forested areas. Although the majority of this watershed is currently undeveloped, the City's Future Development Plan targets this area for development in the near future.

5.9.3 Existing Drainage System

The conveyance system in this watershed is comprised of open channels. There is little infrastructure and the system is natural, open channels. One exception is the 6.8-foot x 4-foot RCB which conveys flows beneath Kansas Highway 68.

5.9.4 Problems Identified by City

As described in the Land Use section above, it is anticipated that Visitor Center will become urbanized in the near future. Development will result in increased flow rates and may cause flooding downstream. The City voiced a concern about future stormwater management of this area.

5.9.5 Problems Identified by Modeling

No significant problems were identified in this watershed according to modeling results.

5.10 EISENHOWER / 23RD STREET WATERSHED

5.10.1 Location

The Eisenhower/23rd Street Watershed is located at the headwaters of the Nugent Creek Watershed (see **Exhibit A.1**). The basin is typically bounded on the north by 19th Street, on the west by Eisenhower Road, on the east by U.S. Highway 50, and the south by Old 50 Highway. The majority of the watershed





is within the detailed study limits with only the southern part being outside of the limits. There are approximately 780 acres that contribute to this basin.

5.10.2 Land Use

Residential, commercial, and industrial areas characterize the 25% of this watershed that is developed land. Commercial and industrial buildings are generally located in the north and east part of the basin, with residential homes sparsely located throughout the watershed. The majority of the basin is undeveloped with agricultural lands, trees, crops, open spaces, and pasture. However, the City's Future Land Use Plan suggests that the majority of the area could be developed with residential homes and businesses.

5.10.3 Existing Drainage System

The existing drainage system as modeled is open channel along the main channel and begins at U.S. Highway 50.

On the north side of the watershed near 19th Street, there is a small enclosed system consisting of 15-inch and 24-inch concrete pipe. This secondary system flows into a natural channel immediately south of 19th Street and combines with the main branch approximately 2000 feet northwest of the 23rd Street and U.S. Highway 50 intersection. At the downstream end four 8-foot x 4-foot RCB's allow flow to travel beneath Eisenhower Road.

5.10.4 Problems Identified by City

5.10.4.1 Eisenhower Culverts

City staff has reported that Eisenhower Road at Nugent Creek does overtop. During a heavy rainfall event in June 2005, water was observed on the roadway. The City speculates that the roadway was not overtopped because of Nugent Creek flows, but because the roadside ditches have insufficient capacity to carry runoff from adjacent fields.

5.10.4.2 23rd Street Culverts

Currently, flow south of 23rd Street between Eisenhower Road and Kansas Highway 50 is conveyed beneath 23rd Street through a number of culverts. It is the City's desire to make the 23rd Street corridor more suitable for future development. Channel improvements and structure replacement would be anticipated.





5.10.5 Problems Identified by Modeling

It should be noted that flows used for the small enclosed system and for events less than the 100-year event were obtained from the hydrologic analysis completed for this study. For mapping of the 100-year floodplain using HEC-RAS, 100-year peak flows were obtained from the Franklin County Flood Study. It was deemed reasonable to use these flows for the floodplain mapping since the Franklin County Flood Study results will be used for FEMA mapping and considered regulatory upon completion.

5.10.5.1 Enclosed System near 19th Street

Three of the 24-inch concrete pipes are not sized for the 10-year event: E23L1A01, E23L103, and E23L102. Ponding may occur at these structures, but flooding does not appear to be severe enough to overtop roadway embankments in this area.

5.10.5.2 Culverts at Eisenhower Road

The four 8-foot x 4-foot reinforced box culverts (E23MC01) located beneath Eisenhower Road are overtopped during the 10-year event and greater events. Flooding in the vicinity of the culverts is not considered a problem since this area is undeveloped; however, a level of service on the roadway should be at least the 25-year event.

5.11 NUGENT CREEK WATERSHED

5.11.1 Location

As shown on **Exhibit A.1**, Nugent Creek runs along the southwest side of the overall study area. Several smaller watersheds contribute flows to this watershed. Approximately 750 acres are considered the Nugent Creek watershed with a total contributing area for this watershed of 3070 acres, which includes drainage from Sugar Creek, Pin Oak, West 13th Street, and Eisenhower/23rd Street watersheds.

The limits of the Nugent Creek watershed are the Marais Des Cygnes River on the north, Eisenhower Road on the east, Louisiana Road on the west, and Interstate 35 on the south. The majority of this watershed is considered part of the detailed analysis and has detailed survey information available. South of Labette Road, the watershed is considered to be part of the non-detailed analysis and USGS mapping was used for survey information.

5.11.2 Land Use

The area considered as the Nugent Creek watershed is generally undeveloped with only 12% being considered developed. The small developed area is on the south side of Labette Road and consists of low density residential homes. The undeveloped areas making up the majority of the land use for this basin





are characterized by trees, farms, crops, and pastures. South of Marshall Road, the City's Future Land Use Plan defines areas of the Nugent Creek watershed as residential and long term development.

5.11.3 Existing Drainage System

The main conveyance system in this watershed is Nugent Creek. This system is open channel with a number of structures located along the channel to convey flows through roadway embankments.

The drainage system begins west of Eisenhower Road where flows from the Eisenhower/23rd Street watershed are discharged through the culvert structure beneath Eisenhower. The main channel of Nugent Creek travels west where it combines with a secondary tributary. From here, the channel turns north to Marshall Road at which point flow is conveyed beneath the roadway by two 6-foot x 7-foot RCB's. At this structure, a secondary system also converges with the main channel.

South of the Farmland Road loop, runoff from the West 13th Street watershed are combined with Nugent Creek. The main channel continues on and combines with a secondary tributary which carries flows from the Sugar Creek watershed and the Pin Oak watershed. After this confluence, Nugent Creek crosses under the Kansas Highway 68 Bridge and continues north to 2nd Street. There it travels through two 3-foot CMP's. Just downstream from 2nd Street, Nugent Creek empties into the Marais Des Cygnes River.

5.11.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.11.5 Problems Identified by Modeling

The 100-year floodplain mapping was completed using flows from the Franklin County Flood Study as explained in **Section 5.9.3.2**. All other flows were obtained from the hydrological analysis completed for this study.

5.11.5.1 Culverts at Marshall Road

As indicated by the hydraulic analysis, the two 6-foot x 7-foot RCB's located beneath Marshall Road do not convey the 25-year flood event. In fact, the embankment is overtopped at the low point for flood events as low as the 2-year event.

5.11.5.2 Culverts at 2nd Street

The roadway profile of 2^{nd} Street sags at the point where the two 3-foot CMP's are located. With the culverts possibly being undersized and the roadway being at a low point, flows overtop 2^{nd} Street even during low flow events. The estimated level of service is a 2-year event.





5.11.5.3 Enclosed System at Eisenhower and 17th Street Intersection

The small system at Eisenhower and 17th Street intersection (NCL405-NCL403) is not adequate to carry flows from a 10-year event. The system consists of a 24-inch concrete pipe with two 36-inch pipes at the downstream end of the enclosed system. Structures along this branch are generally curb inlets that are surcharging under these conditions. This may cause water to back up onto the street and pond at this intersection during storms greater than 10-year event.

5.12 WEST 13TH STREET WATERSHED

5.12.1 Location

West 13th Street Watershed is a small watershed with a drainage area of 48 acres. The boundaries of the basin are 13th Street on the north, a ridge just west of Eisenhower Road on the west, Redbud Street on the east, and Willow Lane on the south (see **Exhibit A.1**).

5.12.2 Land Use

Approximately 63% of the watershed is currently developed. Development includes residential homes with some commercial buildings. Undeveloped area is generally pastureland. The City's Future Land Use Plan anticipates that this watershed will primarily be residential homes when fully developed.

5.12.3 Existing Drainage System

The existing system is a combination of enclosed systems and open channels. At the upstream end, an enclosed system consisting of 48-inch concrete pipe flows into a natural channel that parallels Eisenhower Road. This channel combines with a 42-inch concrete pipe which is preceded by a 36-inch concrete pipe. These pipes carry runoff from the area north of 13th Street.

A separate system conveys drainage from the residential homes located south of 13^{th} Street. This system is a series of concrete pipes that are 15 inches to 24 inches in diameter. These pipes discharge into a 60inch x 32-inch elliptical CMP that is beneath Eisenhower Road. At the outlet, the natural channel carrying flows from the southern portion of the basin is combined with flows from the elliptical CMP.

5.12.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.12.5 Problems Identified by Modeling

Modeling results showed no problem areas in this watershed.





5.13 PIN OAK WATERSHED

5.13.1 Location

Pin Oak Watershed is located on the southwest side of the City of Ottawa (see **Exhibit A.1**). Approximately 350 acres of contributing drainage area make up the basin. The watershed is bounded on the north by a private farm road, on the west by Eisenhower Road, on the east by Maple Street and on the south by 19th Street.

5.13.2 Land Use

Pin Oak watershed is 64% developed and 36% undeveloped. Development within the watershed is characterized by residential homes, commercial buildings, and schools. The undeveloped area consists of agricultural lands, a reservoir, parks and open spaces, vacant residential and commercial land, and trees. The majority of undeveloped land is located at the northern part of the watershed. It is anticipated that undeveloped portion of this watershed will become residential homes or multifamily residential homes in the future.

5.13.3 Existing Drainage System

At the headwaters of the watershed, the existing drainage system consists of several enclosed systems with pipe sizes ranging from 15 to 36 inches. These systems are combined in a natural channel that flows north and combines with a secondary tributary.

The main channel continues northwest through a series of culverts located at Lakeside Estates, 15th Street, Pin Oak Circle, and Pine Court. Heading north, the natural channel travels through two 10-foot x 3-foot RCB's at 13th Street. Just downstream, the main channel combines with a secondary system that conveys flows from a residential area located on the east side of the watershed. After the secondary system is combined with main flows, the natural channel continues on in a northwesterly direction to combine with the Sugar Creek drainage system.

5.13.4 Problems Identified by City

5.13.4.1 Lakeside Estates Detention

The detention area located north of 17th Street and adjacent to Lakeside Estates is dry under current conditions because the embankment has been breached. However with future development anticipated south of 17th Street, the City is concerned about downstream impacts.



5.13.4.2 Osage Drive Channel Improvements

At 17th Street and Osage Drive intersection, a small enclosed system carries runoff from south of 17th Street to an open channel. This channel generally runs parallel to Osage Drive. City staff has reported issues with the condition and capacity of the channel.

5.13.5 Problems Identified by Modeling

It may be noted that the open channel conveyance system of this watershed was modeled in HEC-RAS as a tributary to the Nugent Creek watershed system. However, the Franklin County Flood Study did not break out flows along this reach. Therefore, the 100-year floodplain mapping for this watershed used flows obtained from the hydrologic analysis completed for this study.

5.13.5.1 Willow Street and 17th Street Intersection

The 36-inch concrete pipe downstream of structures POMC18 and POMC17 may be undersized for the 10-year event; causing these curb inlets to surcharge. Because the Willow Street and 17th Street intersection is the low point in the roadway profile, ponding and possible overtopping would likely occur at this location. Further downstream, north on Willow Street, POL502 is also undersized and may cause ponding on Willow Street at this grate inlet.

5.13.5.2 System South of 17th Street

The enclosed system south of the reservoir conveys flows from the agricultural lands south of 17th Street into the reservoir. This system is not sized to convey 10-year flows. Area inlet POL405 and curb inlet POL404 surcharge under these conditions which may cause ponding on 17th Street.

5.13.5.3 Open Channel System between Lakeside Estates and Pine Court

There are a number of culverts located in the reach between Lakeside Estates and Pine Court. The first set of culverts is two 2-foot CMP's (POMC13) located beneath Lakeside Estates. According to the hydraulic analysis, this embankment is overtopped during the 2-year and greater events. The structure POMC11 at 15th Street is adequately sized and conveys flows for the 100-year event.

Immediately downstream from 15th Street, three 4.5-foot x 3-foot concrete ellipses under Pin Oak Circle carry flows for the 2-, 5-, and 10-year events. Modeling suggest that overtopping of the roadway occurs during the 25-year event and greater. A similar level of service is also provided for the three 4.5-foot x 3-foot concrete ellipses beneath Pine Court roadway.





5.13.5.4 System Paralleling Osage Drive

At the upstream end of the system paralleling Osage Drive, there are a series of 24-inch diameter concrete pipes (POL306-POL304) that discharge into a natural channel. The purpose of these 3 pipes is to convey agricultural runoff across 17th Street. The two upstream pipes appear to be adequate to convey the 10-year event; however, the third 24-inch pipe may not. Surcharging at structure POL304 is the result and may cause water to pond on the street.

The 15-inch concrete pipe at the downstream end of this secondary system also may not be adequately sized to convey a 10-year storm event. According to modeling results, curb inlet POL301 may surcharge and cause ponding on 15^{th} Street in this vicinity.

5.13.5.5 Open Channel Paralleling Eisenhower Road

A natural channel parallels Eisenhower Road at the downstream end of this watershed. HEC-RAS results show the Eisenhower roadway being overtopped during the 25-year event and greater events.

5.14 SUGAR CREEK WATERSHED

5.14.1 Location

Sugar Creek Watershed is generally located within City limits and is directly north of the Pin Oak Watershed and east of the Nugent Creek Watershed. The limits of the basin are on the north 7th Street, on the west Eisenhower Road, on the east Willow Street, and 11th Street on the south. Approximately 150 acres drain to the outfall of this watershed (see **Exhibit A.1**).

5.14.2 Land Use

Developed land comprises 70% of this watershed. It consists mostly of residential areas with some commercial buildings and is located on the east side of the basin. The undeveloped region is mostly on the west side and is pasture and crop land. Significant changes between existing and future land use conditions are not anticipated.

5.14.3 Existing Drainage System

Drainage from the residential area located in the southern part of the watershed is conveyed through an enclosed system. The system is made up of several circular and elliptical concrete pipes of varying sizes. The enclosed system discharges into a natural channel, which parallels Pine Street.





The channel then carries these flows until it combines with the system conveying drainage from the northern part of the watershed. This main line from the north is generally an open channel system consisting of swales and culverts.

At the confluence, flows from the north and from the south are combined and then directed to the west through a natural channel until reaching Eisenhower Road. At Eisenhower Road the channel changes direction to the south and is merged with flows from the Pin Oak Watershed.

At this location, flows from both the Sugar Creek and the Pin Oak Watersheds are conveyed beneath Eisenhower Road through two 7-foot x 7-foot RCB's and from there are conveyed west to the confluence with Nugent Creek.

5.14.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.14.5 Problems Identified by Modeling

5.14.5.1 Enclosed System at Ash Street/10th Street and Olive Street/9th Street

The enclosed system (SRMC20-SRMC07) in the southern part of the watershed is approximately located between the intersection of Ash Street/10th Street and the intersection of Olive Street/9th Street.

The pipes located along Ash Street and upstream for the most part are not sized to meet the 10-year flood event; however, structures are not surcharging along this stretch except SCMC20.

At structure SCMC14 and all structures located downstream, surcharging is occurring during 10-year event due to undersized pipes in the system. This could cause ponding of flow at the structures and modeling indicates may also cause overtopping of roadway. This is of concern since this system is located in a residential area. However, modeling results are not corroborated with observation.

5.14.5.2 Pine Street System

The drainage system that conveys runoff from the northern residential area is located along Pine Street. Runoff is conveyed through ditches and 24-inch corrugated metal culverts under driveways. These culverts do not adequately convey the 10-year flow event and could cause flooding of the surrounding houses and roadway.

Downstream, a secondary system conveys flows from Olive Street west. Curb inlets (SCL1A04 and SCL1A03) along Olive Street may surcharge for events greater than 10 years. This could result in ponding and possible overtopping of Olive Street at this location.





5.15 WILLOW STREET WATERSHED

5.15.1 Location

As shown on **Exhibit A.1**, Willow Street Watershed is located directly south of the Marais Des Cygnes River and has a contributing drainage area of approximately 300 acres. Approximate boundaries for this basin are the Marais Des Cygnes River on the north, Walnut Street on the east, 6th Street on the south, and Eisenhower Road on the west.

5.15.2 Land Use

Currently, approximately 74% of Willow Street Watershed is considered developed. Development includes a school system, commercial and industrial buildings, but generally is residential homes. The area within the watershed that is undeveloped is located in the northwest corner of the basin and is considered park and open spaces with some trees.

There are no changes predicted between existing land use and future land use conditions.

5.15.3 Existing Drainage System

The existing drainage system has both enclosed and open channel systems. In the southwest part of the basin the existing system is a series of concrete pipes ranging in diameter from 18 inches to 30 inches. At the intersection of Kansas Highway 68 and Beech Street, the enclosed system empties into a natural channel.

The main channel from this point is an open channel with culverts and bridges to convey flow beneath roadways. The channel travels east beneath Kansas Highway 68 through a 6-foot x 3-foot RCB and continues on northeasterly through the Missouri Pacific Railroad bridge. Downstream of the bridge a tributary system combines with the main channel. This tributary system collects runoff from the residential area and is considered partially enclosed and partially open channel with a series of culverts and concrete channels.

Below the confluence, the main channel continues through a 48-inch CMP beneath Willow Street and continues north to the levee. A confluence at the levee combines the channel flows with an enclosed system coming in from the east. These flows are then passed beneath the levee through a 6-foot concrete pipe which empties to the Marais Des Cygnes River.





5.15.4 Problems Identified by City

5.15.4.1 Ditches South of U.S. Highway 68

South of U.S. Highway 68, between Beech and Willow Street, there are two roadside ditches. The City reported that the ditches tend to fill up with trash and sediment which results in water ponding at these locations.

5.15.4.2 Ash and Willow Street System

One of the tributary systems conveying residential flows in the vicinity of Ash and Willow Street is partially enclosed and partially open channel. At the headwaters, the system is an enclosed system consisting of 24-inch pipes that eventually empties into an open channel system. The open channel system is a series of ditches and culverts. City staff has stated that this is an older line and is a source of flooding.

5.15.5 Problems Identified by Modeling

5.15.5.1 Enclosed System at Upstream End

According to modeling results, the enclosed system (WLMC18-WLMC14) south of the Kansas Highway 68 and Beech Street intersection does not meet the desired level of service. All pipes along this reach are undersized and structures are surcharging. Some flooding of structures and ponding on roadways may be a problem in this vicinity.

5.15.5.2 24-Inch Concrete Pipe

The 24-inch concrete pipe (WLL501) located near the intersection of Kansas Highway 68 and Beech Street intersection does not carry the 25-year event flow rates. This roadway is shown to overtop for events exceeding the 10-year return period.

5.15.5.3 Ash and Willow Street System

Residential runoff from the south is carried through a secondary system located between Ash Street and Willow Street. The system is considered enclosed and open channel. The enclosed system at the upstream end (WLL318 to WLL313) does not convey flows for the 10-year event. Pipes are not sized properly to meet this criteria and surcharging is occurring at the structures according to modeling results obtained from XP-SWMM.

WLL312 through WLL306 is concrete trapezoidal channels with culverts along the line to carry flow beneath driveways. These culverts, which are a 30-inch concrete pipe and two 24-inch CMP's, do not





convey 25-year flows. Modeling suggests that undersized culverts and limited conveyance area in the concrete channel could result in flooding of the nearby structures.

5.15.5.4 Culverts at Willow Street

The 48-inch CMP (WLMC06) under Willow Street along the main channel is not adequately sized. Results show the roadway being overtopped during the 25-year event.

5.15.5.5 Enclosed System East of Kansas Highway 68

An enclosed system (WLL109-WLL101) located in the northeast part of the watershed and east of Kansas Highway 68 carries commercial and residential flows. Modeling suggests that some pipes along the main branch of this system are undersized.

The secondary branches to this system are also undersized, but surcharging is taking place at structures. These structures include WLL1A02, WLL1A01, and WWL1B01. Since these structures are located in a developed area, flooding of surrounding residential and commercial buildings is a concern.

5.16 SKUNK RUN WATERSHED

5.16.1 Location

As shown on **Exhibit A.1**, Skunk Run Watershed is generally bounded on the north by the Marais Des Cygnes River, on the west by Willow Street, on the south by 17th Street, and on the east by Cedar Street and Mulberry Street. The total contributing drainage area for this basin is approximately 770 acres.

5.16.2 Land Use

A majority of this watershed is urbanized with schools, commercial and industrial buildings, and residential land uses. Parks and open spaces, vacant residential area, and a limited amount of agricultural land at the north end characterize the undeveloped portion of the watershed. Because this watershed is located in the center of the city, significant future development is not predicted by the City's Future Land Use Plan (see **Exhibit A.2**).

5.16.3 Existing Drainage System

The main branch of the existing drainage system is generally an open channel conveyance system with several secondary branches connecting to the system at varying locations. The main open channel is a concrete lined trapezoidal channel throughout the majority of the basin except at the headwaters of the watershed and towards the outfall of the drainage system.





At the headwaters of the Skunk Run watershed, a 5-foot x 3-foot RCB conveys residential, commercial, and industrial flows beneath 15th Street and carries them downstream through an open channel. At SRMC40, a 24-inch CMP conveys flows beneath a small embankment and the channel continues beneath 11th Street through two 5-foot x 4-foot RCB's that outfall into a concrete trapezoidal channel.

This engineered channel is routed north through the 10^{th} Street culverts, which are two 5.5-foot x 4-foot RCB's, and then continues north to 9^{th} Street. At 9^{th} Street, the concrete channel empties into an 11-foot x 4-foot box culvert and then travels through two 6-foot x 3.5-foot reinforced box culverts.

Immediately east of Locust Street, the concrete trapezoidal channel continues in a northeasterly direction. Flow is conveyed beneath Pecan Street by two 14-foot x 4-foot box culverts and the concrete channel then continues to Walnut Street where two 8-foot x 6-foot reinforced box culverts are located.

The channel then continues through three 6-foot x 6-foot box culverts that daylight immediately east of Main Street. At Hickory Street, a series of box culverts convey flow across a residential area. The main system then continues as a concrete channel and travels through a 10.5-foot x 5-foot box culvert beneath Cedar Street.

A 9-foot x 5.33-foot box culvert followed by two 7.5-foot x 6.5-foot box culverts are located at the intersection of Oak Street and 5^{th} Street. The channel continues north to the 4^{th} Street culverts, two 8.5-foot x 6.5-foot box culverts, and then travels through two 9-foot x 6.5-foot reinforced box culverts beneath the Poplar Street and 3^{rd} Street intersection.

At this point, the concrete channel ends and the main channel is still a trapezoidal engineered channel, but is not lined. The channel travels to the north and the east until the levee is encountered at which point a 10-foot x 10-foot box culvert conveys flow beneath the levee to the Marais Des Cygnes River.

5.16.4 System Performance

The system performance for this study is based on obtaining a 10-year level of service for the enclosed system and 25-year level of service for culverts/bridges along the open channel system. In addition in Skunk Run, the desired level of service is a 50-year flood event for the concrete channel that carries the vast majority of drainage.





5.16.5 **Problems Identified by City**

5.16.5.1 Skunk Run Outfall

In 1958, the U.S. Army Corps of Engineers began construction of a levee to protect the City of Ottawa from a flood event on the Marais Des Cygnes River. As part of that project, a pumping plant was necessary where Skunk Run crosses the levee system. The Operation and Maintenance Manual⁸ for the project refers to this location as the Southeast Pumping Plant. In conjunction with the pumping plant, a ponding area was reserved near the toe of the levee to store stormwater runoff until it could be pumped to the Marais Des Cygnes River.

Information received from the City indicates the pumping capacity and/or the storage capacity of the ponding may no longer be adequate. As the watershed has become urbanized, the peak flow rates into the ponding area have increased, while the pump sizes have remained the same. Model results indicate that the level of service provided by the ponding area has decreased. According to the City, the ponding area fills to capacity more frequently and to a stage that threatens flooding of nearby homes. The City has also reported that additional pumps have been needed during recent storm events to supplement the existing pumping capacity.

5.16.5.2 S. Oak and Poplar Street System

The enclosed system between Oak Street and Poplar Street is a tributary line that conveys residential flows north to the main system. City staff has reported that pipe capacities along this reach are not adequate to convey the necessary flows. In addition, the sewer may not have sufficient cover. At some locations, the top of pipe may have less than 1 foot of cover.

5.16.6 Problems Identified by Modeling

5.16.6.1 24-inch CMP

According to modeling results, the 24-inch CMP (link SRMC40) located beneath a small embankment may be undersized. Modeling suggests that the embankment will overtop for events having return periods greater than 25 years. According to the modeling results and the available topography, it does not appear that the overtopping of this embankment would cause flooding of nearby structures or roadways.

⁸ Department of the Army, Kansas City District, Corps of Engineers. 1980. *Operation and Maintenance Manual, Flood Protection Project, Marais Des Cygnes River, Ottawa, Kansas.*





5.16.6.2 Elm Street and 9th Street System

At the intersection of Elm Street and 9th Street, the main channel is routed through an 11-foot x 4-foot RCB (SRMC31) and then two 6-foot x 3.5-foot RCB's (SRMC30 and SRMC29). These sections of pipe appear to be undersized to convey runoff events having return periods greater than 10 years.

5.16.6.3 Concrete Open Channel along Main System

According to the City, the desired level of service for the concrete channel running through Skunk Run is to convey a 50-year event. According to modeled water surface elevations and surveyed contours, the concrete channel generally does not convey the 50-year event within its banks. Two stretches of channel that appeared to convey the majority of the 50-year discharge were between SRMC11/SRMC10 and SRMC09/SRMC08. SRMC09 is out of bank at the upstream end of this reach, but no structures are located in this vicinity.

5.16.6.4 Secondary Enclosed Systems

Because the Skunk Run watershed contains several secondary enclosed systems, **Table 5.1** summarizes those pipes within these enclosed systems that are not adequately conveying the 10-year event. In addition, this table states whether or not the upstream structure is surcharging. Surcharging of a structure can cause surrounding structures and roadways to be flooded and should be noted.

Upstream	Downstream	Pipe	10-Year	Structure
Structure	Structure	Description	Qmax/Qfull	Surcharging
SRL2103	SRL2102	24" RCP	1.72	YES
SRL2102	SRL2101	24" RCP	1.72	YES
SRL2101	SRMC43	24" RCP	1.28	NO
SRL2003	SRL2002	24" RCP	1.45	YES
SRL2002	SRL2001	32"x28" CMA	1.08	YES
SRL1902	SRL1901	24" RCP	3.14	YES
SRL1809	SRL1808	19"x30" RCE	1.07	YES
SRL1808	SRL1807	30" RCP	2.15	YES
SRL1807	SRL1806	30" RCP	1.95	YES
SRL1806	SRL1805	30" RCP	1.07	NO
SRL1805	SRL1804	30" RCP	1.99	YES
SRL18A03	SRL18A02	24" RCP	1.71	YES
SRL18A02	SRL18A01	24" RCP	0.84	YES
SRL18A01	SRL1803	24" RCP	1.74	YES
SRL18A02	SRL18A01	2-24" CMP	1.01	NO
SRL1705	SRL1704	24" RCP	1.10	YES
SRL1704	SRL1703	24" RCP	0.97	YES

Table 5.1Skunk Run Enclosed System Problem Areas





Upstream	Downstream	Pipe	10-Year	Structure
Structure	Structure	Description	Omev/Ofull	Surcharging
SRI 1703	SRI 1702			VES
SRL1703	SRL1702	24" RCP	0.94	VES
SRL1702	SRMC35	24" RCP	1.07	YES
SILLIYOI	bruness	21 1101	1.07	TES
SRL1602	SRL1601	12" RCP	1.19	YES
SRL1601	SRMC33	24" RCP	1.01	NO
SRL01503	SRL01502	30" RCP	1.67	YES
SRL01502	SRL01501	30" RCP	0.93	YES
SRL01501	SRMC30	30" RCP	1.07	YES
SRL01403	SRL01402	24" RCP	3.84	YES
SRL01402	SRL01401	30" RCP	1.07	YES
SRL01401	SRMC29	30" RCP	1.07	YES
SRL1110	SRL1109	15" RCP	1.07	NO
SRL1109	SRL1108	15" RCP	1.11	NO
SRL1103	SRL1102	30" RCP	1.20	YES
SRL1102	SRL1101	30" RCP	1.07	YES
SRL1101	SRMC24	30" RCP	1.55	YES
SDI 1004	SDI 1002	15" DCD	1.16	VEC
SRL1004 SRL 1002	SRL1005	15" PCP	1.10	I ES VES
SRL1003	SPI 1002	15" PCP	1.57	I ES NO
SKL1002	SKL1001	13 KCI	1.00	NO
SRL09A03	SRL09A02	24" RCP	1.30	YES
SRL0903	SRL0902	12" RCP	1.18	NO
CD1 0000	(D. 1. 0.000)	A (1) D (1)	1.77	
SRL0803	SRL0802	24" RCP	1.77	YES
SRL0801	SRMC22	24" RCP	2.49	YES
CDI 0707	CDI 070(24" DCD	1.40	VEC
SRL0/0/	SRL0706	24 KCP 24" BCP	1.46	YES
SRL0700	SRL0703	24 KCP 24" PCP	0.97	I ES VES
SRL0703	SRL0704	24 KCF 24" RCP	1.30	I ES VES
SRL0704 SRL0703	SRL0703	24" RCP	1.55	VES
SRL0702	SRL0702 SRL0701	30" RCP	1.19	YES
SRL0701	SRMC20	30" RCP	1.03	YES
SRL0607	SRL0606	15" RCP	1.09	YES
SRL0606	SRL0605	15" RCP	1.60	YES
SRL0605	SRL0604	15" RCP	2.00	YES
SRL0604	SRL0603	21" RCP	1.07	YES
SRL0603	SRL0602	21" RCP	1.04	YES
SRL0602	SRL0601	30" RCP	1.44	YES
SRL0601	SRMC19	30" RCP	1.63	YES
SRL0408	SRL0407	24" RCP	0.94	YES
SRL0407	SRL0406	24" RCP	1.27	YES
SRL0406	SRL0405	24" RCP	5.34	YES
SKL0405	SKL0404	30" KCP	1.13	YES
SKL0404	SKL0403	24" RCP	1.00	YES

Table 5.1Skunk Run Enclosed System Problem Areas





Upstream	Downstream	Pipe	10-Year	Structure
Structure	Structure	Description	Qmax/Qfull	Surcharging
SRL0403	SRL0402	24" RCP	1.36	YES
SRL0402	SRL0401	24" RCP	2.51	YES
SRL0401	SRMC11	24" RCP	1.24	YES
SRL0307	SRL0306	24" RCP	0.96	YES
SRL0306	SRL0305	24" RCP	0.85	YES
SRL0305	SRL0304	24" RCP	2.26	YES
SRL0304	SRL0303	24" RCP	1.71	YES
SRL0303	SRL0302	24" RCP	1.87	YES
SRL0302	SRL0301	30" RCP	1.61	YES
SRL0301	SRMC07	30" RCP	5.42	YES
SRL0204	SRL0203	24" RCP	2.30	YES
SRL0203	SRL0202	24" RCP	3.31	YES
SRL0121	SRL0120	15" RCP	2.96	YES
SRL0120	SRL0119	24" RCP	1.98	YES
SRL0119	SRL0118	24" RCP	1.05	YES
SRL0118	SRL0117	30" RCP	7.47	YES
SRL0107	SRL0106	54" RCP	1.55	NO
SRL0106	SRL0105	54" RCP	2.08	NO
SRL0105	SRL0104	54" RCP	2.55	NO
SRL0104	SRL0103	54" RCP	1.63	NO

Table 5.1Skunk Run Enclosed System Problem Areas

5.17 ROCK CREEK WATERSHED

5.17.1 Location

Rock Creek Watershed is considered the largest watershed with approximately 10,100 acres of contributing drainage area. As shown on **Exhibit A.1**, it is located on the south and east part of the overall study area. The approximate limits of this watershed are 7th Street on the north, Montana Road on the east, Old Highway 50 on the west, and Haskell Road on the south.

5.17.2 Land Use

A large majority of this watershed is undeveloped. Development comprises only 12% of the total watershed area. These developed areas are typically located in the north part of the watershed inside the City limits of Ottawa. Development is characterized by residential homes, commercial buildings, schools, some industry, and the municipal airport.

The area south of Interstate 35 is generally undeveloped. Land uses in this area include pastures, crops, trees, and reservoirs. Undeveloped areas within City limits are typically parks, open spaces, and trees.





According to the City's Future Land Use Plan, development is expected within the Rock Creek watershed in the near future. Areas to be developed south of Interstate 35 are characterized as residential, commercial, industrial, and long term development.

5.17.3 Existing Drainage System

South of Interstate 35, the watershed is considered part of the non-detailed analysis with limited survey information. The existing drainage system was modeled as a series of natural channels from the headwaters of the basin to Interstate 35. This was a reasonable assumption since the main channel within the detailed part of the study area is considered open channel flow with culverts and bridges located along Rock Creek to convey flow beneath embankments.

The detailed study area begins immediately south of Interstate 35. The main channel travels through the Interstate 35 bridge and then directly downstream and continues through three 14-foot x 10-foot RCB's beneath 23rd Street. Further downstream, Rock Creek combines with a secondary system that is both enclosed and open channel. This secondary system conveys runoff from the industrial area located to the west of the main channel in the vicinity of Princeton Road and Princeton Circle.

The main channel then travels north through a 94-inch concrete pipe and a 102-inch concrete pipe located at a gravel road embankment which crosses Rock Creek. The main channel meanders north to two 8-foot concrete pipes beneath a local roadway and combines with a small secondary system carrying residential and commercial flows. Another small embankment crosses the main creek downstream of this secondary system and conveys flow by two 6-foot x 6-foot reinforced concrete boxes.

At the 15th Street Bridge, the channel continues north and northwest. Several secondary systems conveying residential runoff flow into the main channel along this reach. Directly upstream of Lincoln Street, the channel travels through three 6-foot x 3-foot box culverts. Rock Creek goes under the Lincoln Street Bridge and then continues downstream to the limits of the overall study area.

5.17.4 Problems Identified by City

No problems were identified by the City for this watershed.

5.17.5 Problems Identified by Modeling

5.17.5.1 Interstate 35 Bridge and 23rd Street Culverts

It should be noted that to ensure the entire roadway embankments for both Interstate 35 and 23rd Street were reflected in the HEC-RAS model, the USGS Quadrangle Map was used to go beyond the limits of the 2-foot contours.





Overtopping of the roadway embankment during the 25-year event for both of these structures is located at points beyond the detailed survey information. This should be considered in addition to City input when stating if these structures are problem areas or not.

5.17.5.2 Culverts along Rock Creek

Located at RCMC23 beneath a gravel embankment, the 94-inch and 102-inch concrete pipes are not sized adequately to convey the 25-year event flows. In addition to overtopping the gravel roadway running west and east, the roadway adjacent to the structures running north and south is also overtopped during this storm event.

Further downstream, the roadway adjacent to structure RCMC23 is overtopped again during the 25-year event at structure RCMC19 where two 8-foot concrete pipes are located.

The two 6-foot x 6-foot box culverts located at RCMC16 are also undersized for the 25-year event and the embankment is overtopped. RCMC23 does not appear to be a roadway crossing. It may be an abandoned agricultural crossing and does not appear to convey traffic. It is not recommended that this structure be improved.

5.17.5.3 Culverts Upstream of Lincoln Street

The three 6-foot x 3-foot RCB's upstream from the Lincoln Street bridge may overtop the embankment for events that exceed the 25-year return period. Overtopping of the embankment itself would not be an issue since the surrounding area is undeveloped. Flooding becomes an issue when the backwater from this structure results in 11th Street and Burrough Street being flooded.

5.17.5.4 Secondary Enclosed Systems

Rock Creek has several secondary systems within the watershed. These secondary systems are both enclosed and open channel systems. Those pipes within the enclosed systems that are not sized to convey the 10-year desired level of service and culverts within the open channel systems not sized to convey the 25-year desired level of service are summarized below in **Table 5.2**.

Upstream Structure	Downstream Structure	Pipe Description	Qmax/Qfull	Structure Surcharging
RCL0815	RCL0816	36" RCP	1.78 / 10-year	NO
RCL0816	RCL0814	36" RCP	1.73 / 10-year	NO
RCL0815	RCL0814	36" RCP	1.69 / 10-year	NO

Table 5.2Rock Creek Secondary System Problem Areas





Upstream	Downstream			Structure
Structure	Structure	Pipe Description	Omax/Ofull	Surcharging
RCL08D05	RCL08D04	24" RCP	1.40 / 10-year	YES
RCL08D04	RCL08D03	24" RCP	2.90 / 10-year	YES
RCL08D03	RCL08D02	24" RCP	1.19 / 10-year	YES
RCL08D02	RCL08D01	24" RCP	1.85 / 10-year	YES
RCL08D01	RCL0813	50"x42" RCE	1.43 / 10-year	NO
RCL08C02	RCL08C01	30"x48" RCE	1.21 / 10-year	NO
RCL08B01	RCL0805	24" RCP	2.17 / 10-year	YES
RCL0812	RCL0811	6'x3.5' RCB	1.07 / 25-Year	NO
RCL0810	RCL0819	6'x3.5' RCB	1.32 / 25-Year	NO
RCL0808	RCL0807	8'x3' RCB	1.40 / 25-Year	NO
RCL0805	RCL0804	8'x3' RCB	6.34 / 25-Year	NO
RCL0803	RCL0802	8'x3' RCB	1.36 / 25-Year	NO
RCL08A03	RCL08A02	48"x24" RCE	1.06/10-year	YES
RCL0702	RCL0701	24" RCP	0.79 / 25-Year	YES
RCL0603	RCL0602	24" RCP	0.53 / 10-year	YES
RCL0602	RCL0601	24" RCP	0.79 / 10-year	YES
RCL0505	RCL0504	24" RCP	6.62 / 10-year	YES
RCL0504	RCL0503	24" RCP	1.19 / 10-year	YES
RCL0402	RCL0401	3-24" RCP	1.23 / 25-year	YES
RCL0305	RCL0304	24" RCP	1.34 / 10-year	YES
RCL0304	RCL0303	24" RCP	1.10 / 10-year	YES
RCL0303	RCL0302	24" RCP	1.08 / 10-year	YES
RCL0302	RCL0301	24" RCP	2.98 / 10-year	YES
RCL02D03	RCL02D02	24" RCP	1.40 / 10-year	NO
RCL02A01	RCL0202	24" RCP	1.35 / 10-year	NO
RCL0211	RCL0210	18" RCP	1.09 / 10-year	NO
RCL0210	RCL0209	24" RCP	1.53 / 10-year	NO
RCL0209	RCL0208	24" RCP	1.59 / 10-year	NO
RCL0208	RCL0207	30" RCP	1.19 / 10-year	YES
RCL0207	RCL0206	30" RCP	2.40 / 10-year	YES
RCL0206	RCL0205	30" RCP	0.92 / 10-year	YES
RCL0205	RCL0204	30" RCP	1.47 / 10-year	YES
RCL0204	RCL0203	30" RCP	1.04 / 10-year	YES
RCL01A12	RCL01A11	24" RCP	0.59 / 10-year	YES
RCL01A11	RCL01A10	24" RCP	0.62 / 10-year	YES
RCL01A10	RCL01A09	24" RCP	2.80 / 10-year	YES
RCL01A09	RCL01A08	24" RCP	3.99/ 10-year	YES
RCL01A08	RCL01A07	24" RCP	4.21 / 10-year	YES
RCL01A06	RCL01A05	24" RCP	5.61 / 25-year	NO
RCL01A04	RCL01A03	36" RCP	4.33 / 10-year	NO

Table 5.2Rock Creek Secondary System Problem Areas





Upstream	Downstream			Structure
Structure	Structure	Pipe Description	Qmax/Qfull	Surcharging
RCL01A03	RCL01A02	36" RCP	1.36 / 10-year	NO
RCL01A02	RCL01A01	36" RCP	1.82 / 10-year	NO
RCL0113	RCL0112	24" RCP	1.34 / 10-year	YES
RCL0112	RCL0111	24" RCP	0.99 / 10-year	YES
RCL0111	RCL0110	24" RCP	1.17 / 10-year	YES
RCL0110	RCL0109	30" RCP	0.85 / 10-year	YES
RCL0109	RCL0108	18" RCP	1.29 / 10-year	YES
RCL0108	RCL0107	30" RCP	0.98 / 10-year	YES
RCL0107	RCL0106	30" RCP	1.02 / 10-year	YES
RCL0106	RCL0105	30" RCP	0.90 / 10-year	YES
RCL0105	RCL0104	30" RCP	1.65 / 10-year	YES
RCL01B01	RCL0109	18" RCP	1.24 / 10-year	NO
RCL0102	RCL0101	48" CMP	1.23 / 25-year	NO

Table 5.2Rock Creek Secondary System Problem Areas





Section 6 Recommended Improvements




RECOMMENDED IMPROVEMENTS 6.0

6.1 INTRODUCTION

The location of capital improvements projects recommended by this study to correct deficiencies in the existing drainage system are indicated on Exhibit A.8. Figures 6.3 through 6.17, located at the end of this section, provide a detailed depiction of the improvements recommended by this report.

Although all existing major drainage system components were included in the analysis, not all elements that failed to meet the proposed hydraulic criteria are included in the recommendations. Locations where deficiencies are indicated by the analysis, but where there are no apparent or adverse effects are not recommended for improvement.

6.2 **PROJECT 1: INDUSTRIAL PARK IMPROVEMENTS**

6.2.1 Description

As shown on **Figure 6.3**, The Industrial Park area generally runs along North Street. The channel generally flows from east to west and makes several road and railroad crossings. Results of the study indicate that several houses at the intersection of North Street and Mulberry Street are prone to flooding. However, modeling results are not substantiated with actual observation of flooding. To lessen the potential of localized flooding, the 100-year water surface elevation could be reduced to approximately 902 feet. Modeling suggests that two existing structures contribute excessive backwater elevations at the intersection of North Street and Mulberry Street. The first of these is the two culverts under the BNSF Railway. Modeling indicates that these culverts are slightly undersized, but also that the flow through them is fairly shallow. The second problem occurs where the channel flows under Midland Railway line. This bridge may be too small to convey the necessary flows and excessive backwater is created. This backwater migrates upstream to a culvert under the BNSF railroad and reduces its capacity. Figure 6.1 shows the backwater created by the culverts and bridges in vicinity of Project 1.









100-Year Water Surface Profile for Project 1

6.2.2 Alternatives

6.2.2.1 Replace Midland Railroad Bridge

One improvement to alleviating flooding would be to widen the bridge under the Midland Railroad (see **Figure 6.3**). Modeling predicts 4 feet of head loss through this bridge. By widening it by 40 feet, these head losses can be reduced to about 1.5 feet; thus reducing the backwater effects upstream.

6.2.2.2 Replace BNSF Culvert

Modeling suggests that the culverts under the BNSF Railway are undersized and create excessive flood stages upstream of the railroad. While the culverts are sufficiently tall, the overall width could be increased to reduce the amount of head loss. The existing culverts could be replaced with four 14-foot x 7-foot RCB's.





6.2.2.3 Supplement BNSF Culverts

The set of BNSF Railroad tracks is a main line. It is not likely that the railroad will allow the tracks to be taken out of service to construct new culverts. Therefore, one option would be to add capacity tunneling or jacking new culverts through the railroad embankment. This construction method would not interrupt train traffic, but does limit the size of pipe that can be installed. For the purposes of this study, a 60-inch diameter pipe was considered the largest size that could be installed by jacking.

A hydraulic model was developed for a series of new 60-inch pipes under the BNSF Railroad. Pipes were added to the model until the 100-year flood stage at the intersection of Mulberry and North Streets was equal to or less than 902.00. The following table summarizes the results.

No. of 60-inch Pipes	Flood Stage at Intersection (ft)
0	904.36
2	903.00
4	902.14
5	902.01
6	901.87
8	901.81
10	901.81
10	901.81
14	901.82

Table 6.1 Results of Pipe Jacking under BNSF Railroad

The results show that in order to reduce flood stages to 902.00 or less, at least five (5) 60-inch RCP's would need to be added below the BNSF tracks.

6.2.2.4 Channel Improvements

Channel improvements were considered between the Midland and BNSF railroads. The existing channel is deep and narrow in several places and may not have capacity to convey even small runoff events. Modeling predicts frequent, out of bank flooding for this reach. One solution would be to widen the channel.





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Modeling showed that channel improvements in this reach did little to alleviate the flooding problems upstream of the BNSF Railroad. For a 100-year storm event, stages in the channel are controlled by the local culverts and bridges.

6.2.2.5 Detention

Another way to alleviate flooding at the Mulberry and North Street intersection would be stormwater detention. This approach would reduce the peak flows through the BNSF Railroad culverts; thereby reducing flood stages upstream. The potential detention area shown on **Figure 6.3** provides the greatest opportunity for detention, but also eliminates land suitable for development.

6.2.3 Recommended Improvements

The opinion of cost for this project is based on adding five 60-inch RCP's beneath the BNSF Railway. Modeling results indication that this improvement is the minimum necessary to alleviate flooding at the intersection of Mulberry and North Streets.

6.2.4 Opinion of Cost

			Unit	
Description	Quan.	Unit	Price	Cost
Pipe Jacking	570	LF	\$640.00	\$364,800
Prepare Jacking Pits	6	EA	\$3,375.00	\$20,250
60-inch RCP	570	LF	\$216.00	\$123,120
Seeding	0.28	AC	\$2,500.00	\$700
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$510,870
Utility Relocation	1%			\$5,109
Mobilization	4%			\$20,435
Traffic Control / Flagman	5%			\$25,544
Subtotal				\$561,957
Contingency	30%			\$168,587
Construction Cost Opinion				\$730,544
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$219,163
TOTAL PROJECT COST OPINION				\$949,700

Table 6.2 Opinion of Cost for Project 1





6.2.5 Priority

Project 1 has been ranked as the number one priority for the City. It is anticipated that by addressing flooding issues within this watershed more extensive development would be feasible. As shown in the future land use map, it is desired to have the eastern portion of this watershed be residential and long term development. By taking a proactive approach to stormwater problems, the City will be encouraging development within this region.

6.3 PROJECT 2: N. OAK AND DUNDEE STREET IMPROVEMENTS

6.3.1 Description

Kalmar Industries is located north of the N. Oak and Dundee Street intersection. The City maintains a small enclosed drainage system along Dundee Street that empties into an open channel just north of the intersection. The outlet channel runs north to the Kalmar Industries building and parking lot. The channel ends just south of the parking lot, and flow becomes undefined as it passes through the property.

6.3.2 Recommended Improvements

There are two approaches available to route stormwater runoff through the site without creating problems. One approach would be to maintain an overland flow route across the site. This would require the construction of a channel along the west face of the building, through the existing parking lot, and across the undeveloped pieces of land to the north of the facility. The disadvantage to this approach is that an open channel would require extensive rework of the existing parking lot and could render portions of the lot unusable. This approach may merit additional consideration, but further cooperation from Kalmar Industries and more detailed topographic information would be required.

The second approach, which was used to develop the opinion of cost for this project, assumes that a new ditch / enclosed storm sewer system will be constructed from Dundee Street to the south edge of the Kalmar Industries parking lot (see **Figure 6.4**). The project calls for the realignment of the existing channel from Dundee Street to the Kalmar Industries parking lot. Modeling suggests that this channel would need to have an 8-foot bottom width with 4:1 side slopes. A new inlet would collect surface drainage and convey it to a new enclosed storm sewer below the parking lot. An inlet would be added along the northeast side of the lot to collect surface flow and to allow for a directional change in the sewer. The enclosed system would consist of approximately 520 feet of 30-inch RCP. Once beyond the limits of the parking lot, the enclosed system would discharge into the existing ditch which would need to be improved to a 4-foot flat bottom ditch with 4:1 side slopes. To obtain the necessary channel and pipe





slopes, a portion of the railroad ditch would also need to be improved. A constant grade between the sewer outfall and the railroad culvert may be required.

Modeling also suggests that the backwater created by the downstream railroad structure may affect the performance of the new system.

It may be noted that as indicated by the City, Kalmar Industries is currently undergoing improvements to their facilities that may conflict with the above recommendations. However, Kalmar Industries will likely propose a solution that will still address the storm water issues, but that may be more tailored to their expansion.





6.3.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Excavation	2,000	CY	\$12.00	\$24,000
Trench Excavation	804	CY	\$6.40	\$5,146
Trench Bedding	40	CY	\$30.00	\$1,200
Trench Backfill & Compaction	700	CY	\$4.74	\$3,318
Material to be Hauled Off Site	2,156	CY	\$10.00	\$21,560
Replace Asphalt Pavement	4,030	SF	\$34.00	\$137,020
30-inch RCP	517	LF	\$40.00	\$20,680
Type 1 5'X3' Curb Inlet (H=4'-5')	2	EA	\$1,800.00	\$3,600
Seeding	2	AC	\$2,500.00	\$3,750
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$222,274
Utility Relocation	20%			\$44,455
Mobilization	4%			\$8,891
Traffic Control	1%			\$2,223
Subtotal				\$277,842
Contingency	30%			\$83,353
Construction Cost Opinion				\$361,195
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$108,358
TOTAL PROJECT COST OPINION				\$470,000

Table 6.3Opinion of Cost for Project 2

6.3.4 Priority

The priority of this project has been ranked low by the City since Kalmar Industries is currently addressing the above mentioned stormwater problems themselves as they proceed with plans for expansion to their facility.

Initial plans do somewhat conflict with the recommendations of this report according to the City, but Kalmar Industries will likely develop alternative improvements that still address the stormwater issues and work well with their expansion. Since this would then be considered a private project, the project was ranked as the lowest priority project.

6.4 PROJECT 3: N. HICKORY AND POPLAR STREET SYSTEM IMPROVEMENTS

6.4.1 Description

As discussed in **Section 5**, the enclosed system starting at Poplar /Massasoit Street intersection downstream to the Powhattan/Cedar Street intersection is undersized and will need to be redesigned to adequately convey the 10-year flood (see **Figure 6.5.**) It is also necessary for realignment of the system





further downstream at structure PRL204. The existing 7-foot x 3-foot reinforced concrete ellipse is located beneath a structure.

6.4.2 Alternatives

6.4.2.1 System Improvements

While it was beyond the scope of this study to model the system north of Massasoit Street because pipe sizes were less than 24 inches, this portion of the system would likely need to be improved along with the rest of the system. Because no study was performed, the associated opinion of cost assumes that each of these pipes will be increased to 24 inches in diameter.

Proposed improvements from the headwaters of the system modeled (PRL218) to structure PRL207 include an increase in pipe size and depth to ensure a minimum of 0.5% slope and 2 feet of cover over the enlarged system. At PRL205 to PRL203, the existing open channel system would be converted into an enclosed system and realigned to avoid any existing structures. This new realignment would begin at PRL205 and follow the alley between Hickory and Cedar south beneath Logan. The enclosed system will then discharge into a 10-foot bottom width open channel with 3:1 side slopes and eventually outfall into the small ponding area north of Keokuk. This will remove the system from underneath houses and allow new inlets to tie in. The existing culvert beyond PRL202 has the capacity to convey the 50-year flood event according to modeling results and would not need to be replaced.

Upstream Structure	Downstream Structure	Existing Link	Proposed Link
PRL218	PRL217	24" RCP	48" RCP
PRL217	PRL216	24" RCP	48" RCP
PRL216	PRL215	24" RCP	48" RCP
PRL2A01	PRL215	15" RCP	48" RCP
PRL215	PRL214	24" RCP	48" RCP
PRL214	PRL213	24" RCP	48" RCP
PRL213	PRL212	24" RCP	48"RCAP
PRL212	PRL211	Assumed 24" RCP	48" RCAP
PRL211	PRL208	Assumed 24" RCP	5'x4' RCB
PRL208	PRL207	4'x4' RCB	5'x5' RCB
PRL207	PRL206	Channel	7'x6' RCB
PRL206	PRL204	Bridge	7'x6' RCB
PRL204	PRL203	7'x7' RCB	7'x6' RCB

Table 6.4N. Hickory and Poplar Street System Replacement





6.4.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	1.5	AC	\$2,000.00	\$3,000
Excavation	13,700	CY	\$12.00	\$164,400
Replace Asphalt Pavement	9,220	SF	\$34.00	\$313,480
Bedding	3,875	CY	\$30.00	\$116,250
Backfill	765	CY	\$4.74	\$3,626
Soil Spoil	3,495	CY	\$10.00	\$34,950
24" RCP	1,675	LF	\$25.00	\$41,875
48" RCP	1,110	LF	\$126.00	\$139,860
5'x4' RCB	255	LF	\$246.00	\$62,730
5'x5' RCB	165	LF	\$286.00	\$47,190
7'x6' RCB	430	LF	\$308.00	\$132,440
Type 1 5'X3' Curb Inlet (H=4'-5')	6	EA	\$1,800.00	\$10,800
Type 1 5'X3' Curb Inlet (H=7'-8')	16	EA	\$2,250.00	\$36,000
12' Sump Curb Inlet (H=9'-12')	2	EA	\$5,000.00	\$10,000
4' Diam. Manhole, 6ft deep	7	EA	\$1,500.00	\$10,500
6' Diam. Manhole, 8ft deep	5	EA	\$2,500.00	\$12,500
10'x10' Junction Box, 10' deep	2	EA	\$4,000.00	\$8,000
Seeding	1.5	AC	\$2,500.00	\$3,750
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$1,153,351
Utility Relocation	20%			\$230,670
Mobilization	4%			\$46,134
Traffic Control	1%			\$11,534
Subtotal				\$1,441,689
Contingency	30%			\$432,507
Construction Cost Opinion				\$1,874,196
Design Engineering, Geotechnical, Permitting &	20%			\$562 250
	3070			\$302,239
TOTAL PROJECT COST OPINION				\$2,436,000

Table 6.5Opinion of Cost for Project 3

6.4.3.1 Property Buy-Outs

One option would be for the City to buy out three to four properties on east side of North Hickory Street north of E. Logan Street. The area between Hickory and Cedar north of Logan Streets is a large sump where water has the inherent tendency to collect and pond. The existing channel travels through this area and one house was built directly over the channel. The surrounding houses may have been constructed





within the sump area. As an alternative to realigning the channel, the City may want to consider purchasing these properties and demolishing the structures. Improvements could then be made to convert the area into a detention facility to store and attenuate stormwater flows. Even with extensive capital improvements to the existing system, the sump area will still be prone to flooding and general drainage problems will still exist.

6.4.4 Recommended Improvements

The recommended improvement for this project is to remove and replace the existing, enclosed sewer system. While the purchase and demolition of affected houses may solve the flooding problems, this course of action would not address the problems associated with the aging system noted by the City staff.

6.4.5 Priority

Project 3 has been prioritized as a high priority project for the City. Specifically, this project has been ranked 5th out of 15 projects. The proposed improvements would allow the enclosed system to achieve the necessary 10-year level of service and would alleviate maintenance and other issues associated with the existing older system. In addition, the realignment of the storm sewer to avoid existing structures would allow the City easier access to the system in case problems do arise.

6.5 PROJECT 4: CONCRETE LINED CHANNEL (K-68, BEECH TO WILLOW)

6.5.1 Description

The City maintains two roadside ditches on the south of U.S. Highway 68 between Beech and Willow Street (see **Figure 6.6**.) While modeling does not suggest capacity problems with either ditch, City Staff reported difficulties maintaining these ditches. Specifically, the ditches fill with trash and sediment, and ponded water often exists at these locations.

The City also identified the pumping station at Willow Street as having insufficient capacity. When capacity is exceeded, the drainage system backs up into the ditch and silt and debris is deposited. This was not confirmed by modeling because the existing 6-foot RCP's were analyzed at the outfall, but detailed pump capacity was not. Modeling indicates that the existing 6-foot RCP's do convey both the 10-year and the 25-year events. City Staff suggested that the issue could be resolved by elevating the swag in 2nd Street, increasing the ponding area downstream by acquiring private properties on the north side of the road bed, or increasing pumping capacity at the Willow Street pump station.





6.5.2 Recommended Improvements

Upon the recommendation of City staff, the ditches should be lined with concrete to facilitate positive drainage, reduce ponded water, and promote ease of clean up.

The opinion of cost associated with this improvement is based on the following assumptions:

- Flow rate in ditch is 180 cfs, which is the 10-year peak discharge taken from the SWMM model.
- Slope of the ditch is 1 percent
- Bottom width of new ditch is 4 feet
- Side slopes of new ditch are 5:1
- Roughness coefficient for concrete is 0.015

Using Manning's equation, the normal depth of flow in the new ditch would be 1.6 feet. To accommodate flow in the channel and the effects of backwater from downstream culverts, the depth of the concrete lining was assumed to be 4 feet. The depth of the existing ditch is approximately 6 feet.

The opinion of cost also assumes that the total length of ditch lining is 1,120 feet and the thickness of the concrete lining is 6 inches.

6.5.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	0.5	AC	\$2,000.00	\$1,000
Excavation	650	LS	\$12.00	\$7,800
Backfill and Compaction	650	CY	\$19.00	\$12,350
Reinforced Concrete Channel	930	CY	\$250.00	\$232,500
Seeding	0.5	AC	\$2,500.00	\$1,250
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$256,900
Utility Relocation	0%			\$0
Mobilization	4%			\$10,276
Traffic Control	0%			\$0
Subtotal				\$267,176
Contingency	30%			\$80,153
Construction Cost Opinion				\$347,329
Design Engineering, Geotechnical, Permitting & Construction Management	30%			\$104,199

Table 6.6 Opinion of Cost for Project 4





Table 6.6Opinion of Cost for Project 4

Description	Quan.	Unit	Unit Price	Cost
TOTAL PROJECT COST OPINION				\$452,000

6.5.4 Priority

This project has been ranked as a low priority. The project was developed more to address maintenance issues with the existing channels than to address stormwater problems. Benefits of the concrete channel, however, do include alleviating ponding water, minimizing maintenance problems, aiding with vermin/vector control, and enhancing the appearance of the highway.

6.6 PROJECT 5: ASH AND WILLOW STREET SYSTEM REPLACEMENT

6.6.1 Description

The existing system generally running in an alley between Ash and Willow Street was determined to be undersized during the system performance analysis (see **Figure 6.7**). The City stated that this was an older system and concurred with modeling results that this was an area prone to flooding.

6.6.2 Recommended Improvements

Currently, drainage is conveyed through a series of 24-inch reinforced concrete pipes at the upstream end and then discharged into an open channel system consisting of ditches and culverts beneath approaches. From aerial topography and contours, there did not appear to be sufficient space for the replacement of open channels and culverts. Therefore, it was concluded that in order to convey the desired level of service the existing system would have to be converted completely to an enclosed system with increased pipe sizes.

Table 6.7 summarizes the existing system components and the replacement components as proposed for this capital improvement.

Upstream Structure	Downstream Structure	Existing Link	Proposed Link
WLL318	WLL317	24" RCP	48" RCAP
WLL317	WLL316	24" RCP	48" RCAP
WLL316	WLL315	24" RCP	48" RCAP
WLL315	WLL314	24" RCP	48" RCAP
WLL314	WLL313	24" RCP	48" RCAP

Table 6.7 Ash and Willow Street System Replacement





Upstream Structure	Downstream Structure	Existing Link	Proposed Link
WLL313	WLL312	24" RCP	48" RCAP
WLL312	WLL311	Channel	4'x5' RCB
WLL311	WLL310	30" RCP	N/A
WLL310	WLL309	Channel	N/A
WLL309	WLL308	24" CMP	N/A
WLL308	WLL307	Channel	4'x5' RCB
WLL307	WLL306	24" CMP	N/A
WLL306	WLL305	Channel	N/A
WLL305	WLL304	7' RCE	4'x6' RCB
WLL304	WLL303	7' RCE	4'x6' RCB
WLL303	WLL302	Channel	Deepen Channel Invert

Table 6.7Ash and Willow Street System Replacement

At the outfall (WLL303) of the enclosed system, it may also be necessary to lower the channel invert approximately 4 feet so that the proposed improvements could tie into the existing downstream system. This would allow upstream components a minimum cover of 2 feet and sufficient slopes on pipes to allow the conveyance of 10-year flows.

An alternative routing could also be considered for this project. Consideration should be given to routing the new system along Ash Street from Fourth Street to Second Street. This alternative would collect gutter flow along Ash Street and might alleviate street flooding between Second and Third Streets. With this option, improvements would still need to be made to the existing alley system.

6.6.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	0.5	AC	\$2,000.00	\$1,000
Excavation	3112	CY	\$12.00	\$37,344
Material to be Hauled Off Site	47	CY	\$10.00	\$470
Backfill and Compaction	866	CY	\$19.00	\$16,454
Replace Asphalt Pavement	1335	SF	\$34.00	\$45,390
Reinforced Concrete Channel	197.5	CY	\$250.00	\$49,375
48-inch RCAP	704	LF	\$141.00	\$99,264
4x5 RCB	241	LF	\$286.00	\$68,926
4x6 RCB	101.5	LF	\$358.00	\$36,337

Table 6.8 Opinion of Cost for Project 5





Description	Quan.	Unit	Unit Price	Cost
Seeding	0.5	AC	\$2,500.00	\$1,250
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$357,810
Utility Relocation	20%			\$71,562
Mobilization	4%			\$14,312
Traffic Control	1%			\$3,578
Subtotal				\$447,263
Contingency	30%			\$134,179
Construction Cost Opinion				\$581,441
Design Engineering, Geotechnical, Permitting & Construction	• • • • •			<i></i>
Management	30%			\$174,432
TOTAL PROJECT COST OPINIO	N			\$756,000

Table 6.8Opinion of Cost for Project 5

6.6.4 Priority

Project 5 is a considered a high priority project and was ranked number 7 by the City. Benefits of this project would include upgrading the existing system to a 10-year level of service, alleviating maintenance issues that are associated with an older system, and resolve long-standing flooding issues.

6.7 PROJECT 6: SKUNK RUN OUTFALL IMPROVEMENTS

6.7.1 Description

During low stage events in the Marais Des Cygne River, runoff from Skunk Run is conveyed by gravity to the river through a 10-foot x 10-foot reinforced concrete box culvert. When the stages in the Marais Des Cygnes exceed an elevation of 885.00 feet, runoff is stored in a detention area which is emptied by pumping. Urbanization of the Skunk Run Watershed may have caused a decrease in the level of service afforded by the existing outfall system. The capacity of the detention area and/or the capacity of the pumps may no longer be sufficient to adequately convey flows over the levee.

6.7.2 Recommended Improvements

Figure 6.8 depicts the ponding area near the Skunk Run Outfall. Project recommendations are based on a maximum ponding elevation of 885.00 feet. This is to ensure that the surrounding houses are not inundated by the water stored in the ponding area. To accomplish this goal, additional storage and/or additional pumping capacity may need to be added to the system. Another option available to the City, but not examined in detail under this study, is the buyout of effected properties.





There is potentially 29 acre-feet (2.23 acres) of additional storage located north of 2nd Street and between Mulberry and Sycamore Street (see **Figure 6.8**) that could be incorporated into the system. **Table 6.9** shows the available storage area for existing and proposed conditions.

	Table 6.9
Stage -	Surface Area – Volume Characteristics
	for Skunk Run Detention Area

Existing Conditions			P	roposed Conditio	ns
Stage (ft)	Surface Area (acres)	Storage (acre-ft)	Stage (ft)	Surface Area (acres)	Storage (acre-ft)
871.2	0	0	0	0	0
872.0	0.13	0.11	0.85	0.13	0.11
874.0	1.42	4.05	2.85	1.42	4.05
876.0	2.80	13.58	4.85	4.37	21.19
878.0	4.12	28.22	6.85	5.86	40.14
880.0	5.26	46.55	8.85	7.16	63.37
882.0	6.77	73.45	10.85	8.84	95.91
884.0	8.98	115.39	12.85	11.21	144.05

In addition, the analysis suggests that the existing pumping capacity needs to be increased from 75 cfs (two existing pumps) to 262 cfs. Modeling shows that with the added storage and increased pumping capacity, a maximum water surface elevation of 885.5 feet could be achieved for a 25-year storm event.

The assumptions made for modeling improvements are as follows:

- Tailwater elevation of the Marais Des Cygnes River = 885.00 feet.
- Level of service desired = 25-year return period.
- Area of additional storage = 29 acre-ft
- Depth of additional storage = 10 feet.
- A new pump station will be required.





6.7.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	2.23	AC	\$2,000.00	\$4,460
Excavation	36,000	CY	\$12.00	\$432,000
Riprap	3,500	SY	\$50.00	\$175,000
Material to be Hauled Off Site	36,000	CY	\$10.00	\$360,000
Pump Station	1	LS	\$2,000,000	\$2,000,000
Seeding	2.23	AC	\$2,500.00	\$5,575
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$2,979,000
Utility Relocation	0%			\$0
Mobilization	4%			\$119,000
Traffic Control	0%			\$0
Subtotal				\$3,098,000
Contingency	30%			\$929,400
Construction Cost Opinion				\$4,027,000
Design Engineering, Geotechnical, Permitting & Construction				
Management	10%			\$403,000
TOTAL PROJECT COST OPI	NON			\$4.430.000

Table 6.10Opinion of Cost for Project 6

6.7.4 Priority

Skunk Run outfall improvements have been ranked as the 6th highest priority project within the proposed stormwater projects. The City commented that it may be feasible to expand the existing pump capacity, but additional storage would be more desirable. However, in order to approximately meet the desired water surface elevation of 885.0 feet for the 25-year level of service, both additional storage and expansion of the pump capacity would be necessary.

6.8 PROJECT 7: COUNTRY CLUB LAKE PRINCIPAL SPILLWAY

6.8.1 Description

As flows exceed the storage capacity of the Country Club Lake, overflow is carried through the emergency spillway to a grate inlet located between the lake and Kansas Highway 68. Flows are collected and then conveyed through a 10.5-foot x 10.5-foot reinforced concrete box culvert located beneath Logan Street (see **Figure 6.9**).





The City has reported trash and debris collecting at this grate inlet which results in ponding at this location and possible overtopping of Kansas Highway 68.

6.8.2 Recommended Improvements

Currently, no principal spillway exists on the lake to control the discharge from small storm events. One solution to the problem would be to add a principal spillway to better regulate discharges. As shown in **Figure 6.2**, the principal spillway would consist of a riser pipe and trash rack. The principal spillway would connect to the existing grate inlet south of the embankment. Normal discharges from the lake would be conveyed directly from the lake to the 10.5-foot x 10.5-foot RCB under Highway 68. Trash and debris would be collected in the lake rather than in the roadside ditch.



Figure 6.2 Principal Detention Basin Outlet

It was assumed that the proposed principal spillway would be designed to convey a 25-year storm event for future conditions. Modeling suggests that the spillway would consist of two 60-inch risers and two 48-inch outlet pipes.

Assumptions for this preliminary design were as follows:

- Existing emergency spillway weir length of 25 feet.
- Existing emergency spillway weir elevation at 904 feet.
- Top of dam elevation at 906.5 feet.
- Bottom elevation at 900 feet.





6.8.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	1	AC	\$2,000.00	\$2,000
Excavation	225	CY	\$12.00	\$2,700
Material to be Hauled Off Site	35	CY	\$10.00	\$350
Backfill and Compaction	190	CY	\$19.00	\$3,610
42-inch RCP	100	LF	\$106.00	\$10,600
60-inch Riser	8	LF	\$130.00	\$1,040
Reinforced Concrete Block	5	CY	\$500.00	\$2,500
Grate Inlet	27	CY	\$500.00	\$13,500
Trash Rack for Grate Inlet	1	LS	\$2,500.00	\$2,500
Seeding	1	AC	\$2,500.00	\$2,500
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$43,300
Utility Relocation	20%			\$8,660
Mobilization	4%			\$1,732
Traffic Control	1%			\$433
Subtotal				\$54,125
Contingency	30%			\$16,238
Construction Cost Opinion				\$70,363
Design Engineering, Geotechnical, Permitting & Construction				
Management	30%			\$21,109
TOTAL PROJECT COST OPINI	ON			\$91,471

Table 6.11Opinion of Cost for Project 7

6.8.4 Priority

The City has ranked this project as number 10 out of 15 projects. City Staff indicated that this project was mostly dependent upon the response and participation of the Ottawa Country Club.

6.9 PROJECT 8: EXPANDING DETENTION FOR VISITOR CENTER

6.9.1 Description

According to the City's Comprehensive Plan 2003, it is anticipated that the Visitor Center Watershed north of Kansas Highway 68 will see growth in commercial, industrial and residential developments. Left unregulated, development would likely increase peak runoff rates. Over time, the existing infrastructure would provide a lower level of service than originally designed and an increase of downstream flooding occurrences could be realized.





6.9.2 Recommended Improvements

Stormwater detention is considered an ideal Best Management Practice in developing watersheds. As shown on **Figure 6.10**, the Visitor Center Watershed has four locations where detention currently exists. Existing basins appear to be used for agriculture purposes, and some work may need to be performed to improve embankments or increase storage capacity. Construction of detention facilities can be undertaken by the City or can be the responsibility of the developer as part of his approach to on-site stormwater management.

City staff has also noted potential plans for new park land in the Visitor Center Watershed. These two proposed regional detention basins would provide an excellent opportunity for a park with water features. The proposed basins could be designed for wet detention and could provide both stormwater management and recreational uses.

In addition to the recommendation for capital improvements, it is also the recommendation of this report to reserve the space need for detention (and park land) in the immediate future. This might be accomplished by revising the City's Comprehensive Plan. The areas to be reserved are currently with "Industrial" land uses. They could be changed to "Park/Open Space" as a reminder to City planners.

The opinion of cost associated with this project assumes that the two most northern detention areas will be reserved for regional detention.

6.9.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
WEST POND				
Clear and Grub	3.9	AC	\$2,000.00	\$7,800
Excavation	7245	CY	\$12.00	\$86,940
Material to be Hauled Off Site	2415	CY	\$10.00	\$24,150
Backfill and Compaction	4830	CY	\$19.00	\$91,770
36-inch RCP	120	LF	\$85.50	\$10,260
54-inch Riser	8	LF	\$125.00	\$1,000
Reinforced Concrete Block	4	CY	\$500.00	\$2,000
Seeding	3.9	AC	\$2,500.00	\$9,750
Erosion Control	4	AC	\$1,500.00	\$6,000
Subtotal Pond One				\$239,670
EAST POND				
Clear and Grub	3.1	AC	\$2,000.00	\$6,200

Table 6.12Opinion of Cost for Project 8





Description	Quan.	Unit	Unit Price	Cost
Excavation	7433	CY	\$12.00	\$89,190
Material to be Hauled Off Site	2478	CY	\$10.00	\$24,775
Backfill and Compaction	4955	CY	\$19.00	\$94,145
36-inch RCP	120	LF	\$85.50	\$10,260
48-inch Riser	8	LF	\$120.00	\$960
Reinforced Concrete Block	3	CY	\$500.00	\$1,500
Seeding	3.1	AC	\$2,500.00	\$7,750
Erosion Control	3.1	AC	\$1,500.00	\$4,650
Subtotal Pond Two				\$239,430
Subtotal Both Ponds				\$479,100
Utility Relocation	0%			\$0
Mobilization	4%			\$19,164
Traffic Control	0%			\$0
Subtotal			_	\$498,264
Contingency	30%			\$149,479
Construction Cost Opinion			_	\$647,743
Design Engineering, Geotechnical, Permitting & Construction				
Management	30%		-	\$194,323
Subtotal				\$842,066
Land Acquisition - West Pond	3.9	AC	\$10,000.00	\$39,000
Land Acquisition - East Pond	3.1	AC	\$10,000.00	\$31,000
TOTAL PROJECT COST OPIN	NON			\$912,000

Table 6.12Opinion of Cost for Project 8

6.9.4 Priority

This project has been prioritized as low by the City because this project is more related to area development. As expansion occurs and development arises within the area, the City could undertake the construction of the proposed detention facilities themselves or it could be the responsibility of the developer. Because this is more of a development issue than on on-going stormwater issue, the project was ranked number 11.

6.10 PROJECT 9: KANSAS HIGHWAY 68 CULVERTS

6.10.1 Description

As described above in Project 8, future development is expected in the northern portion of the Visitor Center Watershed. The purpose of Project 9 was to analyze the two existing 6.8-foot x 4-foot reinforced





box culverts located at Kansas Highway 68 to determine if the culvert capacity is adequate to convey future flows (see **Figure 6.11**.)

6.10.2 Recommended Improvements

Modeling predicts that future development of the watershed will have a significant impact on the level of service provided by the existing culverts. For existing conditions, the culverts have the capacity to convey the 25-year event without overtopping the roadway. As the watershed develops, peak discharges will tend to increase and a 25-year event may overtop the roadway by 15 cfs or by approximately 0.15 feet.

Because the roadway is a state highway, a 50-year level of service may be desired of the culverts. For future conditions, 67 cfs of overtopping is predicted when the watershed is developed. To improve the level of service to meet future needs, the existing culverts could be replaced with two 9-foot x 4-foot reinforced box culverts. However, replacement of these existing culverts may not be necessary. There is manageable increase in peak flow rates for future conditions. If development is regulated correctly, then stormwater runoff under future conditions could be equal to or even less than currently observed. If Project 8 is undertaken, it is probable that the predicted overtopping of the roadway could be eliminated by attenuating flows upstream.

6.10.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Excavation	1,315	CY	\$12.00	\$15,780
Bedding	170	CY	\$30.00	\$5,100
Material to be Hauled Off Site	890	CY	\$10.00	\$8,900
Backfill and Compaction	430	CY	\$19.00	\$8,170
Pavement Removal/Replacement	410	SF	\$43.00	\$17,630
Reinforced Concrete Box Culvert	310	CY	\$500.00	\$155,000
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$212,580
Utility Relocation	20%			\$42,516
Mobilization	4%			\$8,503
Traffic Control	1%			\$2,126
Subtotal				\$265,725
Contingency	30%			\$79,718
Construction Cost Opinion				\$345,443
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$103,633
TOTAL PROJECT COST OPINION				\$449,000

Table 6.13 Opinion of Cost for Project 9





6.10.4 Priority

This project may be unnecessary if Project 8 is implemented and future peak flows are controlled by detention facilities upstream of Highway 68. As a result, this project is ranked 11th out of 15 projects because it could possibly be eliminated as a result of other proposed measures.

6.11 PROJECT 10: S. OAK AND POPLAR STREET SYSTEM REPLACEMENT

6.11.1 Description

Modeling results corroborate observations of City staff that the current pipe capacities between Oak Street and Poplar Street are not adequate to convey the 10-year event. In addition, portions of the existing sewer may not have sufficient cover. At some locations, the crown of the pipe is exposed.

6.11.2 Recommended Improvements

Proposed improvements include an increase in pipe capacity from structure SRL0408 at the upstream end to structure SRMC11 at the downstream end (see **Figure 6.12**). In addition to the increased pipe sizes, the proposed modifications would ensure a minimum slope of 0.5% and 2 feet of cover over the new system.

South of 9th Street and upstream of SRL0408, the system was not modeled because pipe sizes were less than 24 inches, which was beyond the scope of this analysis. However, it is likely that this portion of the system will also have to be replaced. It is assumed that each of these pipes would be increased to 24 inches in diameter.

Upstream Structure	Downstream Structure	Existing Link	Proposed Link
SRL0408	SRL0407	24" RCP	48" RCP
SRL0407	SRL0406	Assumed 24" RCP	48" RCP
SRL0406	SRL0405	Assumed 24" RCP	4'x4' RCB
SRL0405	SRL0404	24" RCP	4'x4' RCB
SRL0404	SRL0403	30" RCP	5'x4' RCB
SRL0403	SRL0402	30" RCP	6'x5' RCB
SRL0402	SRL0401	30" RCP	6'x5' RCB
SRL0401	SRMC11	30" RCP	6'x5' RCB

Table 6.14S. Oak and Poplar Street System Replacement





6.11.3 Opinion of Cost

	_		Unit	
Description	Quan.	Unit	Price	Cost
Clear and Grub	2	AC	\$2,000.00	\$4,000
Excavation	16,675	CY	\$12.00	\$200,100
Pavement	000	<u>er</u>	¢ 42.00	¢20.700
Removal/Replacement	900	SF	\$43.00	\$38,700
Bedding	6440	CY	\$30.00	\$193,200
Backfill	3675	CY	\$4.74	\$17,420
Soil Spoil	11,180	CY	\$10.00	\$111,800
24" RCP	2050	LF	\$25.00	\$51,250
48" RCP	800	LF	\$126.00	\$100,800
4'x4' RCB	670	LF	\$246.00	\$164,820
4'x5' RCB	520	LF	\$286.00	\$148,720
5'x6' RCB	720	CY	\$500.00	\$360,000
Type 1 5'X3' Curb Inlet (H=4'-5')	10	EA	\$1,800.00	\$18,000.00
Type 1 5'X3' Curb Inlet (H=7'-8')	5	EA	\$2,250.00	\$11,250
Type 1 5'X3' Curb Inlet (H=8'-9')	6	EA	\$2,375.00	\$14,250
Seeding	2	AC	\$2,500.00	\$5,000
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$1,441,310
Utility Relocation	20%			\$288,262
Mobilization	4%			\$57,652
Traffic Control	1%			\$14,413
Subtotal				\$1,801,637
Contingency	30%			\$540,491
Construction Cost Opinio	n			\$2,342,128
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$702,638
TOTAL PROJECT COST C	PINION			\$3,045,000

Table 6.15Opinion of Cost for Project 10

6.11.4 Priority

Project 10 has been ranked as the 4th highest priority by the City. Proposed project improvements would allow the system between S. Oak and Poplar Street to meet the desired 10-year level of service. In addition, it would provide the minimum desired cover over the storm sewer. With the proposed improvements, pipe capacity and cover depth would both be increased. This project is prioritized as high priority because it would resolve long-standing issues.





6.12 PROJECT 11: OSAGE DRIVE CHANNEL IMPROVEMENTS

6.12.1 Description

Runoff originating south of 17th Street is conveyed in a natural channel along Osage Drive to 15th Street and from there conveyed through pipes to an open channel (see **Figure 6.13**). The City has reported problems with condition and capacity of this reach. Problems associated with this channel and downstream pipes are likely to worsen as development occurs south of 17th Street.

6.12.2 Recommended Improvements

Channel improvements and increasing pipe capacity at the downstream end are recommended for this reach. Channel improvements include increasing channel capacity and lining the channel for maintenance purposes. Assumptions made for the proposed project are as follows:

- Flow rate in ditch is 40 cfs, which is the 10-year peak discharge taken from the SWMM model for future conditions.
- Slope of the ditch is 1.25 percent
- Bottom width of new ditch is 10 feet
- Side slopes of new ditch are 12:1
- Roughness coefficient for concrete is 0.015

Using Manning's equation, the normal depth of flow in the new ditch would be 0.5 feet. To accommodate flow in the channel and the effects of backwater, the depth of the concrete lining is assumed to be 3 feet. The depth of the existing ditch is approximately 2 feet.

The opinion of cost also assumes that the total length of ditch lining is 1,276 feet and the thickness of the concrete lining is 6 inches.

In addition to channel improvements, pipe capacity would have to be increased at the downstream end to convey flows beneath Osage Drive and 15th Street. As indicated by modeling, these pipes are undersized even under existing conditions. As development upstream continues, conditions will worsen. Proposed improvements include three 24-inch reinforced concrete arch pipes beneath Osage Drive and 15th Street to convey the 10-year peak discharge and to maintain a minimum of 2 feet of cover.





6.12.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	0.6	AC	\$2,000.00	\$1,200
Excavation	6600	CY	\$12.00	\$79,200
Soil Spoil	6100	CY	\$10.00	\$61,000
Backfill and Compaction	500	CY	\$19.00	\$9,500
Bedding	81	CY	\$30.00	\$2,430
Replace Asphalt Pavement	292	SY	\$500.00	\$146,000
24" RCAP	321	LF	\$60.00	\$19,260
Reinforced Concrete Channel	1950	CY	\$250.00	\$487,500
Seeding	0.6	AC	\$2,500.00	\$1,500
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$809,590
Utility Relocation	20%			\$161,918
Mobilization	4%			\$32,384
Traffic Control	10%			\$8,096
Subtotal				\$1,011,988
Contingency	30%			\$303,596
Construction Cost Opinion				\$1,315,584
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$394,676
TOTAL PROJECT COST OPINION				\$1,710,000

Table 6.16Opinion of Cost for Project 11

6.12.4 Priority

This project is ranked 9 out of 15 projects. This project is still considered by the City to be categorized as a high priority project because problems have already been reported and will likely continue to worsen as development occurs south of 17th Street. The recognized limited capacity of the system will pose a greater, more serious problem as the upstream watershed develops.

6.13 PROJECT 12: EISENHOWER ROAD IMPROVEMENTS

6.13.1 Description

Overtopping of Eisenhower Road north of 23rd Street has been reported by City Staff. Water on the road was observed in June 2005 after heavy rainfall. City Staff believes that the overtopping flows were not caused by an event on Nugent Creek. Rather, runoff originating from the adjacent fields west of Eisenhower collects in the road side ditch on the west side of Eisenhower, which does not have sufficient capacity. Elevation data developed by City Staff suggests that the average available slope in the road side ditches is less than 0.5 percent. The elevation data also suggests that given the nearly flat slope, the ditches do not always maintain a uniform, downward slope.





City Staff also reported runoff from the area southwest of the intersection of 23rd Street and Eisenhower as a significant issue. This stormwater is not being sufficiently conveyed across 23rd Street to the west side of Eisenhower. City Staff indicated that the existing enclosed system may be undersized and is resulting in a substantial volume of surface water flowing north along the west side of the 23rd Street and Eisenhower intersection.

6.13.2 Recommended Improvements

During the course of this study, the City has graded the ditches to increase conveyance capacity. In addition to grading, one culvert serving a private access road was also improved. The existing culvert was removed and reset to accommodate new grading, and a second culvert of equal size was added to increase capacity. It was believed that the private drive culvert was causing an obstruction that forced water onto the road. It was the intent that the above improvements would address the overtopping of Eisenhower north of 23rd Street. The City reported that these improvements did in fact have positive results, but did not entirely alleviate the problem.

The City plans to make the modifications discussed above as a maintenance project. If roadway overtopping still persists, the City will consider the need for additional work. Options that could be considered are listed below:

- The existing ditches are not maintained. Regular mowing would likely increase conveyance and alleviate the frequency of overtopping. However, it is not the City's practice to maintain road side ditches.
- Eisenhower Street could be raised in elevation by means of an overlay.
- An enclosed system could be constructed to convey some of the flows to Nugent Creek.
- The existing ditches could be lined with concrete to improve conveyance.
- The 23rd Street and Eisenhower Street intersection could be raised in elevation and the necessary conveyance provided beneath the intersection.

Recommended improvements are not suggested for the stormwater runoff southwest of the intersection of 23rd Street and Eisenhower. Maintenance efforts were made by the City during the course of this study to improve drainage along Eisenhower Street. These efforts included improvements to the roadside ditches, mowing, and improvements to private drives.

Future improvements in stormwater conveyance should be done in conjunction with the major roadway improvements planned for the area. As described by City, 23rd Street may be improved in the near future





and future intersection improvements at 23rd Street and Eisenhower Street may be completed. Roadway improvements should consider improvements to the stormwater system. Such considerations could include raising the intersection of 23rd and Eisenhower, raising 23rd Street with an overlay, improving private driveway culverts, and improving roadside ditches.

6.13.3 Opinion of Cost

The City is treating the initial improvements as a maintenance issue. Therefore, there are no capital costs estimated for this project.

6.13.4 Priority

Project 12 has been ranked as the 3rd highest priority. During the completion period of this report, City Staff reported that plans to grade the ditches to increase conveyance did in fact help prevent overtopping of Eisenhower north of 23rd Street, but that additional stormwater measures may still be necessary.

6.14 PROJECT 13: 23RD STREET CULVERTS

6.14.1 Description

The City's Comprehensive Plan shows the area south of 23rd Street and between Eisenhower Road and Kansas Highway 50 as planned "Commercial/Industrial" development. Three drainage swales currently traverse the site dividing the land into four separate areas. It is anticipated by the City that development on this property will lead to the consolidation of the drainage patterns into a single crossing of West 23rd Street (see **Figure 6.15**). This consolidation might result from the desire of a developer to restructure the existing drainage system to better facilitate the layout of a development.

6.14.2 Recommended Improvements

The purpose of this project is to ascertain the size and approximate cost of constructing a single culvert under West 23rd Street to accommodate future development. It should be noted that these culverts were beyond the limits of detailed study for this project and a detailed analysis of the culverts was not performed. The level of service afforded by these structures was not identified by this study. The recommendation for this project is based on a possible future need rather than an identified conveyance problem. City Staff has also the questioned the feasibility of constructing the channels needed to relocate the existing culverts. The nearly flat channel slopes may not provide adequate drainage and could create problems with mosquitoes. These issues should be address when the site is developed or when 23rd Street is improved.





For this analysis, a preliminary structure size of four 6-foot x 3-foot reinforced concrete boxes was determined and the opinion of cost was developed for the culvert construction only. The following Opinion of Cost does not include channel relocation costs or costs for removing existing culverts.

6.14.3 Opinion of Cost

Table 6.17 Opinion of Cost for Project 13

Description	Quan.	Unit	Unit Price	Cost
Excavation	250	CY	\$12.00	\$3,000
Bedding	31	CY	\$30.00	\$930
Material to be Hauled Off Site	245	CY	\$10.00	\$2,450
Backfill and Compaction	5	CY	\$19.00	\$95
Pavement Removal/Replacement	125	SF	\$43.00	\$5,375
Reinforced Concrete Box Culvert	30	CY	\$500.00	\$15,000
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$28,850
Utility Relocation	20%			\$5,770
Mobilization	4%			\$1,154
Traffic Control	1%			\$289
Subtotal				\$36,063
Contingency	30%			\$10,819
Construction Cost Opinion				\$46,882
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$14,065
TOTAL PROJECT COST OPINION				\$61,000

6.14.4 Priority

The City has prioritized Project 13 as a high priority project. Development south of 23rd Street between Eisenhower Road and Kansas Highway 50 is on the verge of occurring. As development takes place, stormwater and drainage issues will have to be addressed promptly which results in Project 13 being ranked as the 2nd highest priority for the City.

6.15 PROJECT 14: LAKESIDE ESTATES DETENTION

6.15.1 Description

At the time when topography was developed for the City, a lake existed between Osage Drive and Willow Street north of 17th Street (see **Figure 6.16**). At the time of this study, the embankment of the lake had been intentionally breeched and the basin no longer retains water.





6.15.2 Recommended Improvements

The City's Comprehensive Plan shows that the undeveloped area south of 17th Street will develop as a residential area in the near future. Prior to development occurring, it is recommended that the embankment and spillways be reconstructed to detain runoff from the developing area.

The detention basin could act as a best management practice while the upstream watershed develops. Construction runoff could be routed to the basin where suspended sediments would be removed from runoff. After development activities cease, the sediment trapped in the basin would need to be removed to re-establish the original amount of detention storage.

The second benefit of this basin would be stormwater detention. The reconstruction of the basin would help attenuate the increased peak flows and protect the Pin Oak Subdivision from the effects of future development.

It may be the desire of the City that private developers be responsible for the reconstruction of this basin. Typically, the City requires developers to address detention issues within proposed developments. If this were the case, this project would no longer be a City project, but a private project. However, once reconstructed it is recommended that the City obtain the property or an easement for the detention area. This would afford the City better control of the detention within the storage area.

6.15.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Clear and Grub	1	AC	\$2,000.00	\$2,000
Excavation	250	CY	\$12.00	\$3,000
Backfill and Compaction	250	CY	\$19.00	\$4,750
30-inch RCP	100	LF	\$65.00	\$6,500
42-inch Riser	4	LF	\$106.00	\$424
Reinforced Concrete Block	1.2	CY	\$500.00	\$600
Riprap for Emergency Spillway	300	SY	\$50.00	\$15,000
Seeding	1	AC	\$2,500.00	\$2,500
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$36,744
Utility Relocation	2%			\$735.48
Mobilization	4%			\$1,470.96
Traffic Control	1%			\$367.74
Subtotal				\$39,348.18

Table 6.18 Opinion of Cost for Project 14





Table 6.18					
Opinion	of	Cost	for	Project	14

Description	Quan.	Unit	Unit Price	Cost
Contingency	30%			\$11,804.45
Construction Cost Opinion				\$51,152.63
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$15,345.79
Subtotal				\$66,498.42
Land Acquisition	2.96	AC	\$10,000.00	\$29,600.00
TOTAL PROJECT COST OPINION				\$96,100

6.15.4 Priority

As discussed above, the City may decide to have private developers be responsible for the reconstruction of the detention basin in which case this would no longer be a City implemented project. With this in mind, the City has ranked Project 14 as a low priority.

6.16 PROJECT 15: KANSAS HIGHWAY 68 AND MAIN STREET CULVERT REPLACEMENT

6.16.1 Description

In 1967, a Kansas Department of Transportation Project made improvements to the intersection of Main and Keokuk Streets (Kansas Highway 68). At the time of the project, a 190-foot culvert existed under Main Street. The existing culvert was constructed of laid up brick, rock and other miscellaneous material. The existing culvert was left in place and incorporated into the new design. Approximately 150 feet of new 6-foot x 4-foot RCB was added to the upstream end of the existing culvert (see **Figure 6.17**).

Flooding was not sited as a problem at this location, but the structural integrity of the older section of the culvert is questionable. City staff reports that the walls and floor of the culvert are deteriorating.

6.16.2 Recommended Improvements

The older section of the culvert should be replaced due to the structural inadequacies. Modeling results suggest that the box culvert should be increased to a 9-foot x 4-foot reinforced concrete box in order to ensure the conveyance of the 50-year event under future conditions. Because the newer section of the culvert is still structurally sound, it is not a recommendation to remove and replace it.

If the existing 6-foot x 4-foot RCB is not replaced, then the older, downstream portion of the culvert should be removed and replaced with a culvert of identical size.





6.16.3 Opinion of Cost

Description	Quan.	Unit	Unit Price	Cost
Excavation	1,870	CY	\$12.00	\$22,440
Bedding	885	CY	\$30.00	\$26,550
Material to be Hauled Off Site	1,585	CY	\$10.00	\$15,850
Backfill and Compaction	245	CY	\$19.00	\$4,655
Pavement Removal/Replacement	585	SF	\$43.00	\$25,155
Reinforced Concrete Box Culvert	245	CY	\$500.00	\$122,500
Erosion Control	1	LS	\$2,000.00	\$2,000
Subtotal				\$219,150
Utility Relocation	20%			\$43,830
Mobilization	4%			\$8,766
Traffic Control	1%			\$2,192
Subtotal				\$273,938
Contingency	30%			\$82,181
Construction Cost Opinion				\$356,119
Design Engineering, Geotechnical, Permitting &				
Construction Management	30%			\$106,836
TOTAL PROJECT COST OPINION				\$463,000

Table 6.19Opinion of Cost for Project 15

6.16.4 Priority

Although not one of the highest priority projects with a ranking of 8th, the replacement of the Kansas Highway 68 and Main Street Culvert has still been prioritized as high. City Staff has indicated that this project may be completed by Kansas Department of Transportation as part of the US 59 Turn-back.





* * * NOTE TO REPROGRAPHICS * * *

Insert Figures 6.3 thru 6.17 11" x 17" color plot

Section 7 Glossary of Terms





7.0 GLOSSARY OF TERMS

7.1 INTRODUCTION

The purpose of this section is to provide a description of the terms and acronyms used in this report.

7.2 DEFINITIONS

Best Management Practice (BMP) – Common name for controls addressing non-point source pollution control and erosion control.

Bio-Engineering – Structural improvements to streams and surrounding features using geotextile fabrics and natural upland and wetland plants to control erosion.

Combined Sewer Outfall (CSO) – Refers to a sewer system that carries both storm and sanitary flows. Flow is usually routed to a wastewater treatment facility for treatment. However, during a rainfall event, some of the flow is allowed to bypass the treatment and is discharged directly into the receiving watercourse.

Depression Storage - The fraction of precipitation that is trapped in depressions on the surface of the ground.

Design Criteria - Guidelines upon which planning and engineering decisions and judgments are based.

Design Standards - Detailed engineering drawings and/or specifications promulgated by public or private organizations that leave little choice to design engineers and technicians (e.g., manhole, catch basin, and inlet standards).

Design Storm - A precipitation event that, statistically, has a specified probability of occurring in any given year (expressed either in years or as a percentage).

Detention Facility - Any structure, device or combination thereof, that functions to accept inflow from surface runoff and discharge it at a controlled rate less than the peak inflow rate.

Developer - Any person or corporation engaged in the process of changing, modifying or altering the use of land.

Development - Any activity that alters the surface of the land that generally creates additional impervious surfaces including, but not limited to, pavement, buildings and structures.




Digital Mapping – The computer data files containing the maps of the watershed.

Drainage - Interception, collection and removal of excess stormwater from an area into another area or into a receiving water body.

Enclosed Drainage System - A drainage system consisting of essentially continuous pipes and/or box culverts below the ground surface.

Erosion - The removal of soil particles by the action of flowing water.

Excess Runoff - Direct surface runoff that cannot be accommodated satisfactorily by the existing or planned drainage system.

Flood Control - Preventing the entry of stormwater into an area from another area, or from a stream or other water body.

Flood Plain - The area surrounding a watercourse that is inundated with floodwater.

Flood Routing - An analytical technique used to compute the effects of system storage and system dynamics on the shape and movement of a flood wave.

Floodway - A tool or concept used by local communities for flood plan management. The area of the 100-year flood plain is divided into a floodway and floodway fringe. The floodway is the channel of the stream plus any adjacent flood plain areas that must be kept free of encroachments to that the 100-year flood can be carried without substantial increases in flood height. Minimum Federal standards limit such increases to 1.0 foot, provided hazardous velocities are not exceeded.







Freeboard - The vertical difference in elevation between the hydraulic gradient and a referenced point. Examples are the difference between the maximum water surface level behind a dam and the top of a dam, or the difference in elevation between the water surface at a culvert beneath the roadway and the surface of the roadway.

Head - The difference in depth of a liquid at two given points; a depth generally expressed in feet.

Hydraulic Gradient - The elevation of the surface of the water in the drainage system at any point.

Hydrograph - A graph of runoff rate, inflow rate or discharge rate, versus time.

Hydrologic Soil Groups - A soil characteristic classification system defined by the U.S. Soil Conservation Service in which a soil may be categorized into one of four soil groups (A, B, C, or D) based upon infiltration rate and other properties.

Impervious Surface - Any surface that does not readily permit water to infiltrate. Examples are roofs and concrete or asphalt-paved surfaces.

Improved Channel - Any channel whose characteristics are changed by either grading or construction of lining materials.

Interception - Rainfall that is caught by foliage, branches, leaves, and other aboveground objects.

Lag - The time interval from the center of mass of excess rainfall to the peak rate of runoff.





Level of Service - The return period for which a drainage system, or an individual element of that system, has adequate hydraulic capacity.

Master Planning - A "systems" approach to the planning of facilities, programs and management organizations for comprehensive control and use of stormwater within a defined geographical area.

Natural Channel - An existing channel that has not been appreciably altered by grading, lining or changing its course.

NPDES – National Pollutant Discharge Elimination System – a program administered by the EPA addressing the discharge of pollutants to waters of the United States.

Open System - A drainage system consisting of open channels, either natural or improved, with only comparatively short lengths enclosed by pipes or culverts.

Pervious Surfaces - Surfaces that absorb water such as undeveloped areas, fields, yards and other unpaved areas.

Reach - A specific length of the storm drainage system between two points. For example, a reach may consist of a single culvert or may consist of several connected pipes or channel sections. The term "line" may also be used synonymously within the report.

Receiving Waters - Streams, lakes, bays, etc., into which stormwaters are discharged.

Return Period - A statistical term for the average frequency that a given event may be expected to occur, although it does not imply that the event will occur regularly at even intervals. It can also be defined as the reciprocal of the probability of an event. For example, a storm having a 10-year return period statistically can be expected to occur once in a period of 10 years, an annual probability of occurrence of 0.10, or 10%. However, the event may occur at any time, and two such events may actually occur on successive days.

Sediment - Soil particles eroded by flowing water; either in suspension in that water or as deposited.

Storm Drainage System - Natural or constructed facilities and appurtenances, such as ditches, natural channels, pipes, culverts, bridges, improved channels, street gutters, inlets and detention facilities, that serve to collect and convey surface drainage.





Storm Sewers - Usually, enclosed conduits that transport excess stormwater runoff toward points of discharge (sometimes call "storm drains").

Stormwater Management - Encompasses both "control" and "developmental" activities in which there is physical interaction with stormwater (a broader interpretation includes activities of an institutional nature – financing, staffing, etc.).

Stormwater Storage - Temporary storage of excess runoff on, below, or above the surface of the earth for the purpose of attenuating excess runoff.

Time Of Concentration - The time period necessary for surface runoff to reach the outlet of a sub-basin from the hydraulically most remote point in the tributary drainage area.

Travel Time - The sum of the time intervals for overland flow, sewer or gutter flow, and pipe and channel flow from the hydraulically most remote point in the tributary to the discharge point of interest.

Watershed - All land draining to the storm drainage system at any given point. This term is used synonymously with the terms tributary area, drainage area, drainage basin, catchment area, subwatershed and subarea.

Water Surface Profile (Existing) - the "Existing" water surface profiles represent flooding conditions based on current land use conditions within the study area.

Water Surface Profile (Future) - the "Future" water surface profiles represent flooding conditions based on future land use conditions within the study area.

Zone A - FEMA Flood Insurance Zone - Special Flood Hazard Areas inundated by the 100-year flood, as determined by approximate methods; no base flood elevations are shown and no flood hazard factors are determined.

Zone AH - FEMA Flood Insurance Zone - Special Flood Hazard Areas inundated by types of 100-year shallow flooding where depths are between 1.0 and 3.0 feet; no base flood elevations are shown and no flood hazard factors are determined.

Zone A1, A3-A6, A8, A9, A14, A16 and A18 - FEMA Flood Insurance Zone – Special Flood Hazard Areas inundated by the 100-year flood, with base flood elevations shown and zones subdivided according to flood hazard factors.





Zone B - FEMA Flood Insurance Zone – Areas between the Special Flood Hazard Areas and the limits of the 500-year flood; areas are protected from the 100- and 500- year floods by dikes, levee or other water control structure; areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; and areas subject to 100-year flooding from sources with drainage areas less than one square mile.

Zone C - FEMA Flood Insurance Zone – Areas of minimal flooding.

7.3 ACRONYMS

- AML Arc Macro Language
- APWA American Public Works Association
- BMP Best Management Practice
- **CIP** Capital Improvements Program (or Plan)
- CMPA Corrugate Metal Pipe Arch
- **CSO** Combined Sewer Outfall
- DTM Digital Terrain Model
- FEMA Federal Emergency Management Agency
- **FIRM** Flood Insurance Rate Map
- **FIS** Flood Insurance Study
- **GIS** Geographic Information System
- HEC Hydrologic Engineering Center (U.S. Army Corps of Engineers)
- **KDOT** Kansas Department of Transportation
- MSDIS Missouri Spatial Data Information Service
- NEID Northeast Industrial District
- **NPDES** National Pollutant Discharge Elimination System





- **RCB** Reinforced Concrete Box
- **RCP** Reinforce Concrete Pipe
- SMAC Stormwater Management Advisory Committee
- $\ensuremath{\textbf{TIN}}\xspace$ Triangulated Irregular Network
- **USACE** Unites States Army Corps of Engineers





Appendix A Exhibits





* * * NOTE TO REPROGRAPHICS * * *

Insert eight (8) clear drawing envelops

Appendix B SWWM Modeling Results





		÷			
		utch ent	Area		Existing
Subarea Name	SWWM Node	Ca	(acres)	Tc (min.)	CN
COUNTRY CLUB	(00)				
CCMC00	CCMC00	1	7.57	6.13	69
CCMC01	CCMC01	1	13.02	14.69	75
CCMC02	CCMC02	1	3.60	1.69	82
CCMC04	CCMC04	1	15.85	14.32	85
CCMC06	CCMC06	1	19.58	5.56	81
CCMC10	CCMC10	1	44.25	20.05	84
CCMC11	CCMC11	1	39.58	19.51	90
CCMC12	CCMC12	1	58.27	18.13	85
CCL101	CCL101	1	21.23	13.24	79
CCL103	CCL103	1	20.86	14.35	84
CCL107	CCL107	1	28.25	16.30	83
CCL112	CCL112	1	5.80	9.74	86
CCL113	CCL113	1	13.11	9.33	87
CCL204	CCL204	1	9.11	8.25	93
EAST 4TH STREE	ET (E4)				
E4MC01	E4MC01	1	26.38	9.62	81
EAST 7TH STREE	ET (E7)		20.02	1607	00
E/MC01	E/MC01		38.82	16.97	88
EISENHOWER / 2	3RD STREET	(E23)	226.24		0.5
E23MC01	E23MC01	1	226.24	55.28	85
E23MC02	E23MC02	1	229.22	46.03	85
E23MC03	E23MC03	1	97.42	35.22	88
E23MC04	E23MC04	1	147.45	46.72	88
E23MC05	E23MC05	1	68.54	44.59	91
E23L105	E23L105	l	2.87	4.91	89
E23L106	E23L106	1	2.08	2.66	89
E23LIA0I	E23LIA01	1	8.42	7.97	80
FURESI PARK (F	FDMC02	1	2.72	0.02	72
FPMC03	FPMC03	1	2.73	9.92	72
FPMC04	FPMC04	1	33.23	20.80	79
EDI 102	FFMC05	1	20.03	25.01	70
FFL102 EDI 104	FFL102 EDI 104	1	5.40	0.61	00
FDI 203	FDI 203	1	2.10	9.01	90
FPI 206	FPI 206	1	2.10 /2.06	36.23	90
FPI 301	FPI 301	1	12.12	14.04	50 69
INDUSTRIAL PAR	K (IP)	1	12.12	14.04	07
UWMC01	LIWMC01	1	86.26	62 95	87
IPMC07	IPMC07	1	145 47	51.01	89
IPMC09	IPMC09	1	150 31	72.62	89
IPMC10	IPMC10	1	5.09	11.15	87
IPMC11	IPMC11	1	46.89	26 59	89
IPMC13	IPMC13	1	120.05	48.62	86
IPMC15	IPMC15	1	56.17	38.67	93
IPMC19	IPMC19	1	280.85	96 54	89
IPMC20	IPMC20	1	200.03	49.43	86
IPL201	IPL201	1	12.34	13.74	91
IPL 202	IPL 202	1	15 36	10.24	93
IPL206	IPL206	1	1.61	3.23	92
IPL2A01	IPL2A01	1	14.36	11.61	92
IPL2A02	IPL2A02	1	7.91	8.54	87
IPL2A05	IPL2A05	1	10.88	6.83	88

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		atch ent	Area		Existing
Subarea Name	SWWM Node	C ²	(acres)	Tc (min.)	CN
IPL411	IPL411	1	9.00	6.39	87
IPL502	IPL502	1	10.81	18.56	90
IPL601	IPL601	1	37.96	18.48	85
IPL605	IPL605	1	6.51	9.57	89
IPL6A01	IPL6A01	1	8.18	13.94	87
IPL6A03	IPL6A03	1	8.35	8.78	87
LOWER WILSON	(LW)				
LWMC02	LWMC02	1	139.51	64.58	81
LWMC04	LWMC04	1	84.70	52.63	74
LWMC06	LWMC06	1	48.04	21.59	87
LWMC08	LWMC08	1	77.05	20.75	81
LWMC09	LWMC09	1	14.36	15.77	82
LWMC11	LWMC11	1	94.25	70.81	87
LWMC12	LWMC12	1	70.99	30.33	89
LWMC13	LWMC13	1	122.83	97.12	89
LWMC14	LWMC14	1	117.77	116.47	88
LWL101	LWL101	1	143.51	36.01	86
NUGENT CREEK	(NC)				
NCMC01	NCMC01	1	133.69	84.16	82
NCMC02	NCMC02	1	154.02	100.40	84
NCMC04	NCMC04	1	166.46	95.55	87
NCMC05	NCMC05	1	33.53	31.36	87
NCMC06	NCMC06	1	181.82	76.30	86
NCMC08	NCMC08	1	161.30	67.48	86
NCMC09	NCMC09	1	84.85	41.13	87
NCMC10	NCMC10	1	103.54	46.97	87
NCMC11	NCMC11	1	159.57	45.57	83
NCMC12	NCMC12	1	146.11	37.18	89
NCL201	NCL201	1	25.06	19.22	88
NCL202	NCL202	1	11.43	9.39	86
NCL401	NCL401	1	97.26	38.92	85
NCL4A01	NCL4A01	1	17.99	18.01	91
NCL4B01	NCL4B01	1	10.31	14.06	90
NCL4D01	NCL4D01	1	6.46	5.41	90
NCL500	NCL500	1	103.54	46.97	87
NCL502	NCL502	1	137.35	24.11	74
NCL503	NCL503	1	121.20	31.64	72
PIN OAK (PO)					
POMC01	POMC01	1	88.38	33.79	86
POMC02	POMC02	1	34.51	19.10	91
POMC03	POMC03	1	58.08	29.21	87
POMC11	POMC11	1	30.13	15.25	86
POMC18	POMC18	1	41.98	16.82	89
POL102	POL102	1	11.22	12.92	87
POL105	POL105	1	5.22	11.45	87
POL110	POL110	1	4.82	16.35	87
POL301	POL301	1	25.53	14.61	92
POL306	POL306	1	10.01	8.82	80
POI 405	POI 405	1	14 34	11 76	80
POL502	POL 502	1	20.96	14.05	87
POSSUM RUN (P	R)	1	20.70	17.05	07
PRMC05	PRMC05	1	5 31	9.00	70
PRMC07	PRMC07	1	9.87	13.47	91

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		atcl ent	Area		Existing
Subarea Name	SWWM Node	ШÜ	(acres)	Tc (min.)	CN
PRMC09	PRMC09	1	8.20	9.21	94
PRMC15	PRMC15	1	13.20	7.05	90
PRMC16	PRMC16	1	18.58	21.18	83
PRMC19	PRMC19	1	17.02	8.58	93
PRMC21	PRMC21	1	9.00	6.95	90
PRL101	PRL101	1	3.16	6.20	84
PRL107	PRL107	1	5.00	10.15	88
PRL202	PRL202	1	19.15	11.53	87
PRL204	PRL204	1	9.07	7.96	86
PRL208	PRL208	1	7.80	6.81	84
PRL212	PRL212	1	17.47	9.96	84
PRL215	PRL215	1	5.24	7.39	84
PRL218	PRL218	1	24.68	12.45	85
PRL2A01	PRL2A01	1	8.59	13.05	86
PRL302	PRL302	1	10.27	9.49	88
PRL305	PRL305	1	24.15	15.02	88
PRL307	PRL307	1	2.23	5.97	88
PRL401	PRL401	1	2.22	9.32	90
ROCK CREEK (R	C)				
RCMC01	RCMC01	1	108.36	30.88	83
RCMC02	RCMC02	1	8.53	11.41	68
RCMC03	RCMC03	1	35.29	20.66	77
RCMC06	RCMC06	1	30.76	10.30	78
RCMC07	RCMC07	1	5.44	4.84	78
RCMC08	RCMC08	1	81.30	59.07	78
RCMC09	RCMC09	1	4.66	4.35	76
RCMC14	RCMC14	1	11.58	5.94	77
RCMC17	RCMC17	1	76.55	27.12	85
RCMC19	RCMC19	1	100.58	32.15	83
RCMC23	RCMC23	1	133.93	37.41	89
RCMC24	RCMC24	1	49.51	19.37	85
RCMC25	RCMC25	1	17.33	10.07	72
RCMC27	RCMC27	1	44.01	34.24	88
RCMC31	RCMC31	1	232.73	78.77	90
RCMC32	RCMC32	1	115.23	29.84	84
RCMC34	RCMC34	1	223.79	62.78	86
RCMC36	RCMC36	1	158.63	62.37	89
RCMC37	RCMC37	1	259.98	63.44	83
RCMC38	RCMC38	1	197.35	88.32	84
RCMC39	RCMC39	1	228.58	76.07	84
RCMC40	RCMC40	1	76.97	28.83	87
RCMC41	RCMC41	1	136.06	109.60	78
RCMC42	RCMC42	1	224.49	85.45	84
RCMC43	RCMC43	1	217.78	104.77	86
RCMC44	RCMC44	1	128.78	48.66	85
RCMC45	RCMC45	1	184.82	61.58	85
RCMC46	RCMC46	1	168.94	149.79	85
RCMC47	RCMC47	1	117.80	75.85	85
RCMC48	RCMC48	1	211.92	59.64	86
RCMC49	RCMC49	1	188.98	68.45	82
RCMC50	RCMC50	1	155.77	65.77	83
RCMC51	RCMC51	1	125.43	60.85	85
RCMC52	RCMC52	1	207.23	63.83	85

		atch- ent	Area		Existing
Subarea Name	SWWM Node	ВÜ	(acres)	Tc (min.)	CN
RCMC53	RCMC53	1	124.22	50.85	82
RCMC54	RCMC54	1	152.98	37.25	83
RCMC55	RCMC55	1	202.39	53.22	80
RCMC56	RCMC56	1	204.43	42.33	81
RCMC57	RCMC57	1	157.92	65.12	82
RCMC58	RCMC58	1	179.47	43.79	87
RCL0102	RCL0102	1	7.94	6.81	87
RCL0103	RCL0103	1	10.69	8.83	87
RCL0105	RCL0105	1	22.29	12.40	86
RCL0113	RCL0113	1	11.26	5.95	92
RCL01A02	RCL01A02	1	10.46	6.75	84
RCL01A06	RCL01A06	1	11.77	10.73	85
RCL01A08	RCL01A08	1	4.54	3.18	86
RCL01A11	RCL01A11	1	17.30	6.91	87
RCL01A12	RCL01A12	1	6.08	6.22	86
RCL01B01	RCL01B01	1	12.03	6.29	89
RCL0201	RCL0201	1	9.57	5.05	72
RCL0203	RCL0203	1	4.69	5.68	81
RCL0206	RCL0206	1	11.40	5.80	79
RCL0211	RCL0211	1	14.23	9.94	86
RCL02A02	RCL02A02	1	5.87	3.51	79
RCL02B02	RCL02B02	1	1.93	2.41	81
RCL02D03	RCL02D03	1	5.09	7.61	91
RCL0300	RCL0300	1	1.92	3.60	73
RCL0303	RCL0303	1	5.30	3.45	75
RCL0305	RCL0305	1	21.30	12.57	90
RCL0402	RCL0402	1	12.65	7.68	82
RCL0403	RCL0403	1	38.60	17.17	90
RCL0408	RCL0408	1	6.38	5.87	85
RCL0501	RCL0501	1	10.62	11.19	85
RCL0502	RCL0502	1	11.79	11.53	86
RCL0504	RCL0504	1	3.33	6.31	88
RCL0505	RCL0505	1	27.29	16.94	90
RCL05A02	RCL05A02	1	10.16	9.46	87
RCL0603	RCL0603	1	6.42	4.57	87
RCL0702	RCL0702	1	11.40	6.75	91
RCL0704	RCL0704	1	4.54	6.16	92
RCL0707	RCL0707	1	5.06	9.53	94
RCL0800	RCL0800	1	49.51	19.37	85
RCL0802	RCL0802	1	19.84	9.85	85
RCL0805	RCL0805	1	4.47	6.82	93
RCL0806	RCL0806	1	4.62	5.14	94
RCL0808	RCL0808	1	3.02	4.80	95
RCL0812	RCL0812	1	4.82	12.60	93
RCL0815	RCL0815	1	71.07	68.78	89
RCL0818	RCL0818	1	0.88	2.32	95
RCL08A01	RCL08A01	1	50.25	32.30	88
RCL08A05	RCL08A05	1	13.44	11.54	93
RCL08A09	RCL08A09	1	9.29	8.96	91
RCL08B03	RCL08B03	1	1.42	4.26	95
RCL08C04	RCL08C04	1	13.38	22.10	92
RCL08D01	RCL08D01	1	1.01	5.09	93
RCL08D05	RCL08D05	1	21.11	31.89	92

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		atc	Area	T	Existing
Subarea Name	SWWM Node	E C	(acres)	Tc (min.)	CN
RCL1001	RCL1001	1	136.86	44.75	86
RCL1101	RCL1101	1	106.44	24.10	81
RCL1201	RCL1201	1	1/9./8	134.24	86
RCL1202	RCL1202	1	267.48	3/6.54	88
RCL1203	RCL1203	1	216.68	68.80	91
RCL1300	RCL1300	1	224.49	84.45	84
RCL1501	RCL1301	1	104.04	40.44	79
RCL1502	RCL1302	1	82.38	22.30	70
RCL1505	RCL1303	1	197.07	21.93	74
RCL15A01	RCL13A01	1	217.78	27.00	96
RCL1400	RCL1400	1	217.78	28.20	80
RCL1401	RCL1401	1	184.22	38.20	8/
RCL1402	RCL1402	1	184.23	42.75	81
RCL1501	RCL1501	1	145.26	43.20	90
RCL1601	RCL1601	l	229.49	84.94	87
RCL1602	RCL1602	1	1//.96	74.51	89
RCL1603	RCL1603	1	148.78	59.38	88
RCL1604	RCL1604	1	147.24	36.38	88
RCL16A00	RCL16A00	1	190.90	/1./9	86
RCL16A01	RCL16A01	1	119.46	41.78	87
RCL1701	RCL1701	1	182.24	86.52	85
RCL1702	RCL1702	1	185.82	108.00	87
RCL1703	RCL1703	1	117.47	26.39	81
RCL1801	RCL1801	1	166.20	61.92	86
RCL1901	RCL1901	1	182.58	30.26	85
RCL2001	RCL2001	1	165.43	34.09	85
RCL2002	RCL2002	1	184.16	40.56	84
RCL901	RCL901	1	151.21	44.47	89
SKUNK RUN (SR)		-			
SRMC03	SRMC03	1	1.75	23.57	74
SRMC04	SRMC04	1	25.46	10.87	80
SRMC05	SRMC05	1	49.18	13.93	86
SRMC08	SRMC08	1	26.95	14.74	85
SRMC13	SRMC13	1	30.55	22.67	88
SRMC19	SRMC19	1	19.68	11.92	91
SRMC23	SRMC23	1	3.65	4.98	91
SRMC24	SRMC24	1	6.04	9.73	86
SRMC27	SRMC27	1	6.34	8.83	87
SRMC31	SRMC31	1	27.17	13.81	87
SRMC34	SRMC34	1	24.16	12.75	87
SRMC36	SRMC36	1	15.05	13.59	85
SRMC40	SRMC40	1	12.70	10.95	85
SRMC41	SRMC41	1	15.42	10.94	85
SRMC44	SRMC44	1	28.87	11.20	92
SRL0101	SRL0101	1	1.38	4.13	88
SRL0103	SRL0103	1	2.83	11.07	88
SRL0105	SRL0105	1	25.09	63.85	91
SRL0108	SRL0108	1	10.63	11.51	86
SRL0112	SRL0112	1	8.47	8.76	90
SRL0116	SRL0116	1	8.14	9.70	93
SRL0121	SRL0121	1	10.26	17.24	94
SRL01401	SRL01401	1	2.06	4.95	87
SRL01403	SRL01403	1	4.85	8.97	87

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Salama Nama		atc	Area	T e (Existing
Subarea Name	SWWMI Node		(acres)	10 80	UN
SRL01303	SKL01505	1	22.84	19.80	87
SRL0201	SRL0201	1	4.70	26.02	80
SKL0204	SRL0204	1	0.41	20.03	90
SKL0304	SRL0304	1	9.41	12.66	92
SRL0307	SRL0307	1	21.13	11.21	93
SRL0402	SRL0402	1	13.13	11.21	80
SRL0403	SRL0403	1	10.24	6.53	88
SRL0404 SRL 0406	SRL0404	1	16.24	7.46	87
SRL0400 SRL 0408	SRL0400	1	29.17	13.46	90
SRL0400	SRL0601	1	3.04	2 54	86
SRL0602	SRL0602	1	8 34	13.10	89
SRL0602	SRL0602	1	12 48	10.00	91
SRL0701	SRL0007	1	3.45	6 33	91
SRL0701	SRL0701	1	2 52	6.55	90
SRL0705	SRL0703	1	16 34	23.75	89
SRL0801	SRL0801	1	2.57	3.99	90
SRL0803	SRL0803	1	17.60	11.76	88
SRL0804	SRL0804	1	10.49	13.12	87
SRL0904	SRL0904	1	1.06	2.15	94
SRL09401	SRL09A01	1	11 14	13.01	90
SRL09A03	SRL09A03	1	8 15	9.17	87
SRL1001	SRL1001	1	0.15	6 90	88
SRL1004	SRL1004	1	3.27	4.93	87
SRL1103	SRL1103	1	9.85	10.30	89
SRL1106	SRL1106	1	7.56	10.68	88
SRL1110	SRL1100	1	2.70	44.81	87
SRL1202	SRL1202	1	5.36	4.42	87
SRL1602	SRL1602	1	5.72	8.96	88
SRL1703	SRL1703	1	7.74	9.40	88
SRL1705	SRL1705	1	12.74	17.33	88
SRL1802	SRL1802	1	10.97	7.14	87
SRL1804	SRL1804	1	11.56	21.89	92
SRL1806	SRL1806	1	4.43	5.75	92
SRL1809	SRL1809	1	12.68	12.96	93
SRL18A03	SRL18A03	1	10.33	10.77	88
SRL1903	SRL1903	1	5.65	13.00	91
SRL2003	SRL2003	1	16.51	7.05	87
SRL2103	SRL2103	1	12.24	13.80	88
SUGAR CREEK (SC)				
SCMC01	SCMC01	1	65.14	31.70	85
SCMC03	SCMC03	1	2.67	4.19	91
SCMC05	SCMC05	1	4.61	8.71	92
SCMC08	SCMC08	1	9.73	8.73	88
SCMC13	SCMC13	1	9.48	8.89	87
SCMC20	SCMC20	1	11.53	10.33	88
SCL103	SCL103	1	4.95	9.06	86
SCL116	SCL116	1	16.84	12.37	89
SCL1A04	SCL1A04	1	15.86	10.78	86
SCL201	SCL201	1	5.87	7.74	90
SCL301	SCL301	1	6.26	10.13	87

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		atch ent	Area		Existing
Subarea Name	SWWM Node	n C	(acres)	Tc (min.)	CN
SYCAMORE STR	EET (SY)				
SYMC02	SYMC02	1	2.21	4.52	82
SYMC05	SYMC05	1	6.21	9.29	84
UPPER WILSON	(UW)			-	
UWMC00	UWMC00	1	17.30	27.69	77
UWMC03	UWMC03	1	125.35	102.87	80
UWMC04	UWMC04	1	210.85	92.32	84
UWMC05	UWMC05	1	336.36	114.72	85
UWMC06	UWMC06	1	228.83	82.51	88
UWMC07	UWMC07	1	216.34	75.39	90
UWMC08	UWMC08	1	216.72	172.97	91
UWMC09	UWMC09	1	300.71	46.43	88
UWMC10	UWMC10	1	177.35	32.16	79
UWMC11	UWMC11	1	203.92	43.16	80
UWMC12	UWMC12	1	174.62	22.34	77
UWL101	UWL101	1	156.07	44.62	88
UWL201	UWL201	1	523.41	79.02	89
UWL301	UWL301	1	128.30	32.25	89
UWL302	UWL302	1	197.74	29.77	76
VISITOR CENTER	R (VC)				
VCMC01	VCMC01	1	178.23	75.70	78
VCMC02	VCMC02	1	83.31	33.65	81
VCMC03	VCMC03	1	123.74	30.89	82
VCMC04	VCMC04	1	30.29	17.84	90
VCMC06	VCMC06	1	44.30	13.76	86
VCMC07	VCMC07	1	37.93	15.89	90
VCMC08	VCMC08	1	32.10	12.49	86
VCL102	VCL102	1	111.36	39.30	84
VCL201	VCL201	1	37.12	15.27	84
WEST 13TH STRE	EET (W13)				
NCL202	NCL202	1	11.43	9.39	86
W13MC04	W13MC04	1	17.04	12.18	90
W13L1B01	W13L1B01	1	9.14	9.74	86
W13L1C01	W13L1C01	1	2.50	6.59	87
W13L201	W13L201	1	2.10	4.92	88
W13L202	W13L202	1	3.56	3.09	84
W13L401	W13L401	1	1.96	3.27	86
WILLOW STREET	「 (WL)				
WLMC04	WLMC04	1	22.92	19.56	86
WLMC06	WLMC06	1	21.18	35.28	83
WLMC09	WLMC09	1	51.15	47.21	85
WLMC11	WLMC11	1	2.54	10.65	93
WLMC18	WLMC18	1	17.06	23.64	87
WLL104	WLL104	1	2.48	3.11	87
WLL109	WLL109	1	4.75	3.08	95
WLL1A01	WLL1A01	1	10.59	8.29	89
WLL1A02	WLL1A02	1	8.78	13.79	87
WLL1B01	WLL1B01	1	26.25	33.35	92
WLL202	WLL202	1	8.59	9.98	90
WLL302	WLL302	1	4.88	4.67	91
WLL305	WLL305	1	6.00	4.94	87
WLL314	WLL314	1	6.26	6.08	87
WLL318	WLL318	1	40.95	17.33	87

Subarea Name	SWWM Node	Catch- ment	Area (acres)	Tc (min.)	Existing CN
WLL3A02	WLL3A02	1	1.76	2.59	93
WLL3B05	WLL3B05	1	7.28	7.91	89
WLL401	WLL401	1	8.48	10.72	92
WLL501	WLL501	1	30.60	27.94	87
WLL601	WLL601	1	9.91	7.87	93
WLL701	WLL701	1	18.94	11.12	87

			Catchment	:1	
				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(min)	m^3/s)
CCL101	2-year	21.23	79	13	33.7
	5-year				53.3
	10-year				65.5
	25-year				81.9
	50-year				94.3
	100-yer				110.8
CCL103	2-year	20.86	84	14	40.6
	5-year				61.2
	10-year				73.6
	25-year				90.3
	50-year				102.8
	100-yer				119.4
CCL107	2-year	28.25	83	16	51.9
	5-year				78.7
	10-year				95.0
	25-year				116.9
	50-year				133.3
	100-yer				155.1
CCL112	2-year	5.80	86	10	12.4
	5-year				18.3
	10-year				21.7
	25-year				26.4
	50-year				29.9
	100-yer				34.5
CCL113	2-year	13.11	87	9	28.8
	5-year				41.9
	10-year				49.7
	25-year				60.1
	50-year				67.9
	100-yer				78.2
CCL204	2-vear	9.11	93	8	23.8
	5-vear				32.8
	10-vear				38.1
	25-year				45.1
	50-vear				50.4
	100-ver				57.4
CCMC00	2-vear	7 57	69	6	8.5
0011000	5-year	1.01			15.0
	10-vear				10.0
	25-vear				24 0
	50-vear				27.3 29.3
	100-ver				35.2
CCMC01	2-vear	13 02	75	15	16 7
	2-year	13.02	10	10	28 0
	10-year				20.0
	25-year				30.1
	50-year				44.9 52.2
	100 year				J∠.3
	iou-yer				62.4

			Catchment	:1	
	_	Area	Curvo	Time of	Max Flow
Nodo Namo	Return	(acres)	Number	(min)	(ft^3/s, m^3/s)
	2 yoar	3 60	82	· · /	7.2
CCIVICUZ	2-year	3.00	02	۷	10.0
	10-year				13.0
	25-year				15.0
	50-year				13.3
	100-year				21.0
CCMC04	2-vear	15.85	85	1.4	21.0
001004	5-vear	10.00	00		47.2
	10-vear				56.7
	25-year				69.4
	50-year				78.9
	100-year				91.6
CCMC06		10.59	01	6	27.1
CCIVICOD	2-year	19.00	01	0	57.1
	10 year				50.1
	25 year				92.1
	50 year				04.6
	100 year				110.1
CCMC10		44.25	0.4	20	79.7
CCINCTO	2-year	44.25	04	20	110.7
	10 year				119.2
	25 year				143.9
	50-year				201.6
	100-year				201.0
CCMC11	2-vear	30 58	00	20	86.6
COMOTT	2-year			20	123.7
	10-vear				145.9
	25-vear				175.3
	50-year				197.3
	100-ver				226.5
CCMC12	2-vear	58 27	85	18	111 4
0011012	5-vear	50.27	00	10	165.7
	10-vear				198.6
	25-year				242.4
	50-year				275.4
	100-ver				319.4
F23I 105	2-vear	2 87	89	5	6.8
EZOLIOO	5-year	2.01			9.7
	10-vear				11.4
	25-vear				13.6
	50-vear				15.3
	100-ver				17.5
E23I 106	2-vear	2 08	89	3	5.0
	5-vear	2.00	50	0	7.0
	10-vear				8.2
	25-vear				9.9
	50-vear				11.1
	100-ver				12.7

			Catchment	:1	
				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
E23L1A01	2-year	8.42	86	8	18.6
	5-year				27.1
	10-year				32.1
	25-year				38.9
	50-year				43.9
	100-yer				50.6
E23MC01	2-year	226.24	85	55	254.1
	5-year				386.3
	10-year				466.8
	25-year				574.7
	50-year				656.0
	100-yer				764.6
E23MC02	2-year	229.22	85	46	288.8
	5-year				438.6
	10-year				529.8
	25-year				651.8
	50-year				743.4
	100-yer				865.4
E23MC03	2-year	97.42	88	35	162.7
	5-year				237.7
	10-year				282.7
	25-year				342.5
	50-year				387.3
	100-yer				446.7
E23MC04	2-year	147.45	88	47	207.4
	5-year				304.9
	10-year				363.7
	25-year				441.9
	50-year				500.5
	100-yer				578.3
E23MC05	2-year	68.54	91	45	109.5
	5-year				155.9
	10-year				183.6
	25-year				220.4
	50-year				248.0
	100-yer				284.7
E4MC01	2-year	26.38	81	10	49.3
	5-year				75.3
	10-year				91.2
	25-year				112.5
	50-year				128.5
	100-yer				149.9
E7MC01	2-year	38.82	88	17	82.0
	5-year				119.2
	10-year				141.5
	25-year				171.2
	50-year				193.3
	100-yer				222.8

			Catchment	:1	
			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
FPL102	2-year	3.40	81	4	6.9
	5-year				10.4
	10-year				12.5
	25-year				15.3
	50-year				17.5
	100-yer	0.40		10	20.3
FPL104	2-year	6.43	90	10	15.9
	5-year				22.4
	10-year				26.2
	25-year				31.3
	50-year				35.1
	100-yer				40.2
FPL203	2-year	2.10	90	1	3.0
	5-year				4.2
	10-year				4.9
	25-year				5.9
	50-year				6.6
551.000	100-yer	10.00			7.5
FPL206	2-year	42.96	90	36	75.5
	5-year				107.9
	10-year				127.4
	25-year				153.2
	50-year				1/2.4
551.001	100-yer	10.10			198.0
FPL301	2-year	12.12	69	14	11.8
	5-year				21.6
	10-year				28.0
	25-year				36.9
	50-year				43.8
5514000	100-yer	0.70	70	10	53.1
FPMC03	2-year	2.73	/2	10	3.2
	5-year				5.6
	10-year				7.1
	25-year				9.1
	50-year				10.7
	100-yer	25.00	70	04	12.0
FPIVIC04	2-year	35.23	79	21	49.8
	5-year				80.0
	10-year				98.8
	∠o-year				124.3
	100 year				143.7
EDMOOR	D veer	00.00	70		0.601
FPINIC05	∠-year	28.83	70	26	23.3
	5-year				43.0
	10-year				55.9
	∠o-year				/ 3.8
	50-year				۵/./ ۱۵۶۰
	100-yer				106.8

			Catchment	:1	
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(40103)	Number	(1111)	m^3/s)
IPL201	2-year	12.34	91	13	29.9
	5-year				41.9
	10-year				49.1
	25-year				58.5
	50-year				65.6
	100-yer	1			75.0
IPL202	2-year	15.36	93	11	39.8
	5-year				55.0
	10-year				64.0
	25-year				75.9
	50-year				84.9
	100-yer				96.8
IPL206	2-year	1.61	92	3	4.2
	5-year				5.8
	10-year				6.7
	25-year				8.0
	50-year				8.9
	100-yer				10.1
IPL2A01	2-year	14.36	92	12	36.4
	5-year				50.6
	10-year				59.0
	25-year				70.1
	50-year				78.5
	100-yer				89.6
IPL2A02	2-year	7.91	87	9	17.8
	5-year				25.7
	10-year				30.4
	25-year				36.6
	50-year				41.3
	100-yer				47.5
IPL2A05	2-year	10.88	88	7	24.8
	5-year				35.6
	10-year				42.0
	25-year				50.6
	50-year				56.9
	100-yer				65.4
IPL411	2-year	9.00	87	6	20.3
	5-year				29.1
	10-year				34.4
	25-year				41.5
	50-year				46.7
	100-yer				53.7
IPL502	2-year	10.81	90	19	24.1
	5-year				34.2
	10-year				40.2
	25-year				48.2
	50-year				54.2
	100-yer				62.2

			Catchment	:1	
	Return	Area	Curve	Time of Conc.	Max Flow (ft^3/s,
Node Name	Period	(acres)	Number	(min)	m^3/s)
IPL601	2-year	37.96	85	18	71.4
	5-year				106.6
	10-year				127.9
	25-year				156.3
	50-year				177.6
	100-yer				206.0
IPL605	2-year	6.51	89	10	15.3
	5-year				21.9
	10-year				25.8
	25-year				31.0
	50-year				34.9
	100-yer				40.1
IPL6A01	2-year	8.18	87	14	18.0
	5-year				26.2
	10-year				31.1
	25-year				37.6
	50-year				42.5
	100-yer				49.0
IPL6A03	2-year	8.35	87	9	18.7
	5-year				27.1
	10-year				32.1
	25-year				38.7
	50-year				43.7
	100-yer				50.3
IPMC07	2-year	145.47	89	51	204.0
	5-year				295.6
	10-year				350.7
	25-year				424.0
	50-year				478.7
	100-yer				551.5
IPMC09	2-year	150.31	89	73	164.5
	5-year				239.7
	10-year				285.0
	25-year				345.3
	50-year				390.4
	100-yer				450.4
IPMC10	2-year	5.09	87	11	11.1
	5-year				16.0
	10-year				19.0
	25-year				23.0
	50-year				25.9
	100-yer				29.9
IPMC11	2-year	46.89	89	27	89.3
	5-year				129.5
	10-year				153.6
	25-year				185.7
	50-year				209.7
	100-yer				241.5

			Catchment 1			
				Time of	Max Flow	
	Return	Area	Curve	Conc.	(ft^3/s,	
Node Name	Period	(acres)	Number	(11111)	m^3/s)	
IPMC13	2-year	120.05	86	49	150.6	
	5-year				227.4	
	10-year				274.0	
	25-year				336.4	
	50-year				383.2	
	100-yer				445.6	
IPMC15	2-year	56.17	93	39	104.2	
	5-year				145.2	
	10-year				169.6	
	25-year				202.0	
	50-year				226.2	
	100-yer				258.3	
IPMC19	2-year	280.85	89	97	249.1	
	5-year				364.2	
	10-year				433.4	
	25-year				525.6	
	50-year				594.6	
	100-yer				686.4	
IPMC20	2-year	204.11	86	49	255.6	
	5-year				384.7	
	10-year				463.1	
	25-year				568.1	
	50-year				646.9	
	100-yer				751.7	
LWL101	2-year	143.51	86	36	218.3	
	5-year				326.1	
	10-year				391.3	
	25-year				478.5	
	50-year				543.7	
	100-yer				630.5	
LWMC02	2-year	139.51	81	65	121.8	
	5-year				193.1	
	10-year				237.3	
	25-year				297.0	
	50-year				342.1	
	100-yer				402.5	
LWMC04	2-year	84.70	74	53	57.0	
	5-year				100.5	
	10-year				128.5	
	25-year				167.2	
	50-year				197.2	
	100-yer				237.7	
LWMC06	2-year	48.04	87	22	94.0	
	5-year				137.7	
	10-year				164.0	
	25-year				199.0	
	50-year				225.2	
	100-yer				259.9	

			Catchment 1			
				Time of	Max Flow	
	Return	Area	Curve	Conc.	(ft^3/s,	
Node Name	Period	(acres)	Number	(11111)	m^3/s)	
LWMC08	2-year	77.05	81	21	118.4	
	5-year				186.0	
	10-year				227.9	
	25-year				284.4	
	50-year				326.9	
	100-yer				383.8	
LWMC09	2-year	14.36	82	16	25.0	
	5-year				38.5	
	10-year				46.8	
	25-year				58.0	
	50-year				66.4	
	100-yer				77.5	
LWMC11	2-year	94.25	87	71	96.4	
	5-year				143.6	
	10-year				172.4	
	25-year				210.8	
	50-year				239.6	
	100-yer				277.9	
LWMC12	2-year	70.99	89	30	130.4	
	5-year				188.7	
	10-year				223.8	
	25-year				270.3	
	50-year				305.1	
	100-yer				351.3	
LWMC13	2-year	122.83	89	97	111.0	
	5-year				161.1	
	10-year				191.2	
	25-year				231.3	
	50-year				261.2	
	100-yer				301.0	
LWMC14	2-year	117.77	88	116	89.3	
	5-year				131.5	
	10-year				156.9	
	25-year				190.9	
	50-year				216.3	
	100-yer				250.1	
NCL201	2-year	25.06	88	19	50.7	
	5-year				74.0	
	10-year				88.0	
	25-year				106.7	
	50-year				120.7	
	100-yer				139.3	
NCL202	2-year	11.43	86	9	24.4	
	5-year				35.7	
	10-year				42.5	
	25-year				51.6	
	50-year				58.4	
	100-yer				67.4	

			Catchment	:1	
Nodo Namo	Return	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s,
NCL 401	Period	07.06	05	20	107.4
NCL401	Z-year	97.20	60	39	107.1
	10 year				207.3
	25 year				207.5
	20-year				307.3
	100-year				407.6
	2 voor	17.00	01	10	407.0
NCL4A01	2-year	17.99	91	10	41.0 57.0
	10-year				68.1
	25-vear				81.5
	20-year				01.5
	100 year				91.5
	100-yei	40.04	00	4.4	104.9
NCL4B01	∠-year	10.31	90	14	24.4
	5-year				34.8
	10-year				41.0
	25-year				49.2
	50-year				55.3
	100-yer	0.40	00	-	63.5
NCL4D01	2-year	6.46	90	5	15.6
	5-year				22.0
	10-year				25.6
	25-year				30.9
	100 year				34.0
	100-yei	402.54	07	47	39.0
NCL500	2-year	103.54	87	47	140.5
	5-year				206.0
	70-year				249.0
	25-year				304.7
	100 year				345.6
	100-yei	407.05	74	0.4	400.5
NGL502	2-year	137.35	/4	24	143.9
	5-year				247.5
	10-year				314.5
	25-year				406.6
	50-year				477.2
	100-yer	404.00	70		572.5
NCL503	2-year	121.20	12	32	97.2
	5-year				175.6
	10-year				226.9
	25-year				298.0
	50-year				352.9
NOMOOO	o verer	454.00		400	427.3
NCMC02	2-year	154.02	84	100	111.8
	5-year				1/1.3
	10-year				207.8
	25-year				256.8
	50-year				293.7
	100-yer				342.9

			Catchment	Catchment 1			
				Time of	Max Flow		
	Return	Area	Curve	Conc.	(ft^3/s,		
Node Name	Period	(acres)	Number	(11111)	m^3/s)		
NCMC04	2-year	166.46	87	96	139.3		
	5-year				207.3		
	10-year				248.5		
	25-year				303.6		
	50-year				344.9		
	100-yer				399.8		
NCMC05	2-year	33.53	87	31	56.0		
	5-year				82.9		
	10-year				99.2		
	25-year				121.0		
	50-year				137.3		
	100-yer				159.0		
NCMC06	2-year	181.83	86	76	172.2		
	5-year				258.5		
	10-year				311.1		
	25-year				381.6		
	50-year				434.5		
	100-yer				505.0		
NCMC08	2-year	161.30	86	67	163.8		
	5-year				247.0		
	10-year				297.6		
	25-year				365.5		
	50-year				416.4		
	100-yer				484.3		
NCMC09	2-year	84.85	87	41	122.7		
	5-year				182.5		
	10-year				218.7		
	25-year				267.1		
	50-year				303.2		
	100-yer				351.4		
NCMC11	2-year	159.57	83	46	186.9		
	5-year				290.5		
	10-year				354.2		
	25-year				439.7		
	50-year				504.2		
	100-yer				590.2		
NCMC12	2-year	146.11	89	37	239.0		
	5-year				348.1		
	10-year				413.6		
	25-year				500.8		
	50-year				565.9		
	100-yer				652.5		
NCMC14	2-year	133.69	#N/A	84	99.8		
	5-year				157.0		
	10-year				192.4		
	25-year				240.1		
	50-year				276.2		
	100-yer				324.6		

			Catchment	:1	
				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
POL102	2-year	11.22	87	13	24.1
	5-year				35.0
	10-year				41.6
	25-year				50.3
	50-year				56.8
	100-yer				65.5
POL105	2-year	5.22	87	11	11.4
	5-year				16.6
	10-year				19.7
	25-year				23.8
	50-year				26.9
	100-yer				31.0
POL110	2-year	4.82	87	16	10.0
	5-year				14.7
	10-year				17.5
	25-year				21.2
	50-year				24.0
	100-yer				27.7
POL301	2-year	25.54	92	15	62.7
	5-year				87.5
	10-year				102.4
	25-year				122.1
	50-year				136.8
	100-yer				156.3
POL306	2-year	10.01	89	9	23.9
	5-year				33.8
	10-year				39.8
	25-year				47.7
	50-year				53.5
	100-yer				61.3
POL405	2-year	14.34	89	12	33.0
	5-year				47.2
	10-year				55.6
	25-year				66.9
	50-year				75.3
	100-yer				86.4
POL502	2-year	20.96	87	14	45.9
	5-year				66.9
	10-year				79.6
	25-year				96.3
	50-year				108.9
	100-yer				125.6
POMC01	2-year	88.38	86	34	136.1
	5-year				204.2
	10-year				245.5
	25-year				300.6
	50-year				342.1
	100-yer				397.3

			Catchment 1			
				Time of	Max Flow	
	Return	Area	Curve	Conc.	(ft^3/s,	
Node Name	Period	(acres)	Number	(11111)	m^3/s)	
POMC02	2-year	34.51	91	19	78.1	
	5-year				110.4	
	10-year				129.7	
	25-year				155.2	
	50-year				174.3	
	100-yer				199.6	
POMC03	2-year	58.08	87	29	102.2	
	5-year				150.6	
	10-year				179.8	
	25-year				218.6	
	50-year				247.6	
	100-yer				286.2	
POMC11	2-year	30.13	86	15	60.3	
	5-year				88.7	
	10-year				105.8	
	25-year				128.6	
	50-year				145.6	
	100-yer				168.2	
POMC18	2-year	41.98	89	17	91.9	
	5-year				132.1	
	10-year				156.1	
	25-year				187.9	
	50-year				211.7	
	100-yer				243.3	
PRL101	2-year	3.16	84	6	6.6	
	5-year				9.8	
	10-year				11.7	
	25-year				14.2	
	50-year				16.1	
	100-yer				18.7	
PRL107	2-year	5.00	88	10	11.3	
	5-year				16.2	
	10-year				19.2	
	25-year				23.1	
	50-year				26.1	
	100-yer				30.0	
PRL202	2-year	19.15	87	12	42.1	
	5-year				61.0	
	10-year				72.4	
	25-year				87.5	
	50-year				98.7	
	100-yer				113.7	
PRL204	2-year	9.07	86	8	19.8	
	5-year				29.0	
	10-year				34.4	
	25-year				41.7	
	50-year				47.1	
	100-yer				54.3	

			Catchment	:1	
Nodo Nomo	Return	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s,
	Period	7.00		()	III^3/S)
PRL208	2-year	7.80	84	/	15.8
	5-year				23.5
	10-year				28.2
	25-year				34.4
	100 vor				39.0
	100-yei	47.47	0.4	10	40.2
PRL212	2-year	17.47	84	10	54.2
	5-year				51.2
	10-year				51.5
	25-year				75.2
	50-year				85.5
	100-yer				99.1
PRL215	2-year	5.24	84	/	10.6
	5-year				15.7
	10-year				18.8
	25-year				23.0
	50-year				26.1
	100-yer				30.2
PRL218	2-year	24.69	85	12	50.6
	5-year				74.9
	10-year				89.6
	25-year				109.2
	50-year				123.9
	100-yer				143.4
PRL2A01	2-year	8.59	86	13	18.0
	5-year				26.4
	10-year				31.5
	25-year				38.2
	50-year				43.3
	100-yer				49.9
PRL302	2-year	10.27	88	9	23.7
	5-year				33.9
	10-year				40.0
	25-year				48.1
	50-year				54.2
	100-yer				62.2
PRL305	2-year	24.15	88	15	51.2
	5-year				74.2
	10-year				88.0
	25-year				106.4
	50-year				120.1
	100-yer				138.3
PRL307	2-year	2.23	88	6	5.2
	5-year				7.3
	10-year				8.6
	25-year				10.4
	50-year				11.7
	100-yer				13.4

			Catchment 1			
		A	0	Time of	Max Flow	
	Return	Area	Curve	Conc. (min)	(ft^3/s,	
Node Name	Period	(acres)	Number	(11111)	m^3/s)	
PRL401	2-year	2.22	90	9	5.3	
	5-year				7.5	
	10-year				8.8	
	25-year				10.6	
	50-year				11.9	
	100-yer				13.6	
PRMC05	2-year	5.31	79	9	9.1	
	5-year				14.1	
	10-year				17.3	
	25-year				21.5	
	50-year				24.7	
	100-yer				28.9	
PRMC07	2-year	9.87	91	13	23.5	
	5-year				33.1	
	10-year				38.8	
	25-year				46.3	
	50-year				52.0	
	100-yer				59.5	
PRMC09	2-year	8.21	94	9	21.8	
	5-year				29.7	
	10-year				34.5	
	25-year				40.7	
	50-year				45.4	
	100-yer				51.7	
PRMC15	2-year	13.20	90	7	32.6	
	5-year				46.1	
	10-year				54.1	
	25-year				64.7	
	50-year				72.7	
	100-yer				83.2	
PRMC16	2-year	18.58	83	21	31.6	
	5-year				48.3	
	10-year				58.4	
	25-year				72.0	
	50-year				82.3	
	100-yer				95.9	
PRMC19	2-year	17.02	93	9	44.1	
	5-year				60.8	
	10-year				70.7	
	25-year				83.8	
	50-year				93.6	
	100-yer				106.7	
PRMC21	2-year	9.00	90	7	22.2	
	5-year				31.2	
	10-year				36.6	
	25-year				43.8	
	50-year				49.1	
	100-yer				56.2	

			Catchment	1	
			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
RCL0102	2-year	7.94	87	7	17.9
	5-year				25.8
	10-year				30.5
	25-year				36.8
	50-year				41.5
	100-yer				47.7
RCL0103	2-year	10.69	87	9	23.5
	5-year				34.2
	10-year				40.6
	25-year				49.1
	50-year				55.5
	100-yer				63.9
RCL0105	2-year	22.29	86	12	47.1
	5-year				69.0
	10-year				82.2
	25-year				99.9
	50-year				113.0
	100-yer				130.5
RCL0113	2-year	11.26	92	6	28.3
	5-year				39.3
	10-year				45.8
	25-year				54.5
	50-year				61.0
	100-yer				69.6
RCL01A02	2-year	10.46	84	7	21.4
	5-year				31.7
	10-year				37.9
	25-year				46.1
	50-year				52.3
	100-yer				60.5
RCL01A06	2-year	11.77	85	11	24.5
	5-year				36.2
	10-year				43.1
	25-year				52.4
	50-year				59.4
	100-yer				68.6
RCL01A08	2-year	4.54	86	3	10.2
	5-year				14.7
	10-year				17.4
	25-year				21.1
	50-year				23.7
	100-yer				27.3
RCL01A11	2-year	17.30	87	7	38.8
	5-year				56.0
	10-year				66.3
	25-year				80.0
	50-year				90.2
	100-yer				103.8

			Catchment	:1	
Nodo Nomo	Return	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s,
Node Name	Period	(40100)		()	m^3/s)
RCL01A12	2-year	6.08	86	6	13.8
	5-year				19.9
	10-year				23.6
	25-year				28.5
	50-year				32.1
	Tuo-yer	40.00	00		37.0
RCL01B01	2-year	12.03	89	6	28.8
	5-year				40.8
	10-year				48.0
	25-year				57.5
	50-year				64.6
	100-yer				74.0
RCL0201	2-year	9.57	72	5	12.2
	5-year				20.5
	10-year				25.7
	25-year				32.9
	50-year				38.4
	100-yer				45.7
RCL0203	2-year	4.69	81	6	8.8
	5-year				13.3
	10-year				16.1
	25-year				19.9
	50-year				22.7
	100-yer				26.4
RCL0206	2-year	11.40	79	6	20.4
	5-year				31.6
	10-year				38.4
	25-year				47.5
	50-year				54.4
	100-yer				63.5
RCL0211	2-year	14.23	86	10	30.6
	5-year				44.5
	10-year				52.9
	25-year				64.1
	50-year				72.4
	100-yer				83.4
RCL02A02	2-year	5.87	79	4	11.1
	5-year				17.0
	10-year				20.7
	25-year				25.6
	50-year				29.2
	100-yer				34.1
RCL02B02	2-year	1.93	81	2	3.7
	5-year				5.6
	10-year				6.8
	25-year				8.3
	50-year				9.5
	100-yer				11.1
				Time of	Max Flow
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	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
RCL02D03	2-year	5.09	91	8	12.3
	5-year				17.2
	10-year				20.1
	25-year				24.0
	50-year				26.8
	100-yer				30.7
RCL0300	2-year	1.92	73	4	2.8
	5-year				4.6
	10-year				5.7
	25-year				7.3
	50-year				8.5
	100-yer				10.0
RCL0303	2-year	5.31	75	3	8.2
	5-year				13.2
	10-year				16.3
	25-year				20.5
	50-year				23.7
	100-yer				27.9
RCL0305	2-year	21.30	90	13	50.8
	5-year				71.9
	10-year				84.5
	25-year				101.2
	50-year				113.6
	100-yer				130.2
RCL0402	2-year	12.65	82	8	23.6
	5-year				35.7
	10-year				43.1
	25-year				53.0
	50-year				60.3
	100-yer				70.2
RCL0403	2-year	38.60	90	17	85.8
	5-year				122.5
	10-year				144.5
	25-year				173.6
	50-year				195.4
	100-yer				224.3
RCL0408	2-year	6.39	85	6	13.8
	5-year				20.1
	10-year				23.9
	25-year				29.0
	50-year				32.8
	100-yer				37.8
RCL0501	2-year	10.62	85	11	21.6
	5-year				32.0
	10-year				38.2
	25-year				46.5
	50-year				52.7
	100-yer				61.0

Node Name	Return Period	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s, m^3/s)
RCI 0502	2-vear	11 70	86	12	24.6
ROE0302	5-year	11.75	00	12	36.2
	10-vear				43.2
	25-vear				
	50-vear				59.5
	100-ver				68.8
RCI 0504	2-vear	3 33	88	6	7.6
INOE0004	5-year	0.00	00	0	10.9
	10-vear				12.8
	25-year				15.4
	50-year				17.4
	100-ver				20.0
RCI 0505	2-vear	27 20	90	17	61.4
ROLOGOG	5-vear	21.25	50	17	87.5
	10-vear				103.0
	25-year				123.7
	50-year				139.1
	100-ver				159.1
RCI 05402	2-vear	10.16	87	Q	22.5
TTOE00/102	5-year	10.10	01		32.7
	10-vear				38.7
	25-year				46.8
	50-year				52.8
	100-ver				60.8
RCI 0603	2-vear	6 42	87	5	14.6
	5-year				21.0
	10-vear				24.8
	25-year				29.9
	50-vear				33.7
	100-yer				38.7
RCI 0702	2-vear	11.40	91	7	28.0
	5-year				39.2
	10-vear				45.9
	25-vear				54.8
	50-vear				61.4
	100-ver				70.2
RCL0704	2-vear	4.55	92	6	11.7
	5-vear				16.2
	10-vear				18.9
	25-vear				22.5
	50-vear				25.1
	100-yer				28.6
RCL0707	2-year	5.06	94	10	13.5
	5-year	5.00			18.5
	10-vear				21.4
	25-vear				25.4
	50-vear				28.3
	100-ver				32.2

		٨٠٥٥	Currie	Time of	Max Flow
Nede Neme	Return	(acres)	Number	(min)	(ft^3/s, m^2/a)
	Period	40.51	05	()	III^3/S)
RCL0800	2-year	49.51	60	19	93.0
	5-year				109.1
	10-year				100.9
	20-year				204.1
	100 vor				232.0
	100-yei	40.05	05	10	209.1
RCL0602	2-year	19.65	60	10	41.2
	10 year				72.5
	10-year				72.3 00 0
	25-year				00.2
	50-year				99.9
	T00-yer	4 47	00		110.0
RCL0805	2-year	4.47	93	/	11.7
	5-year				16.0
	10-year				18.6
	25-year				22.1
	50-year				24.6
	100-yer				28.1
RCL0806	2-year	4.62	94	5	11.9
	5-year				16.3
	10-year				18.9
	25-year				22.4
	50-year				25.0
	100-yer				28.4
RCL0808	2-year	3.02	95	5	8.4
	5-year				11.3
	10-year				13.1
	25-year				15.5
	50-year				17.2
	100-yer				19.6
RCL0812	2-year	4.82	93	13	12.5
	5-year				17.2
	10-year				20.0
	25-year				23.7
	50-year				26.4
	100-yer				30.1
RCL0815	2-year	71.07	89	69	82.3
	5-year				119.1
	10-year				141.2
	25-year				170.7
	50-year				192.7
	100-yer				221.9
RCL0818	2-year	0.88	95	2	2.3
	5-year				3.2
	10-year				3.7
	25-year				4.3
	50-year				4.8
	100-yer				5.5

		A	C	Time of	Max Flow
No. Jo. N	Return	Area	Curve Number	Conc. (min)	(ft^3/s,
Node Name	Period	(40103)	Number	(1111)	m^3/s)
RCL08A01	2-year	50.25	88	32	86.7
	5-year				126.5
	10-year				150.6
	25-year				182.8
	50-year				206.8
	100-yer				238.7
RCL08A05	2-year	13.44	93	12	34.5
	5-year				47.6
	10-year				55.3
	25-year				65.7
	50-year				/3.4
	100-yer				83.7
RCL08A09	2-year	9.29	91	9	22.7
	5-year				31.8
	10-year				37.2
	25-year				44.4
	50-year				49.8
	100-yer				57.0
RCL08B03	2-year	1.42	95	4	3.8
	5-year				5.1
	10-year				5.9
	25-year				7.0
	50-year				7.8
	100-yer				8.8
RCL08C04	2-year	13.38	92	22	29.7
	5-year				41.8
	10-year				49.0
	25-year				58.5
	50-year				65.7
	100-yer				75.2
RCL08D01	2-year	1.01	93	5	2.6
	5-year				3.5
	10-year				4.1
	25-year				4.9
	50-year				5.4
	100-yer				6.2
RCL08D05	2-year	21.11	92	32	41.5
	5-year				58.4
	10-year				68.4
	25-year				81.8
	50-year				91.8
	100-yer				105.0
RCL1001	2-year	136.86	86	45	184.7
	5-year				276.1
	10-year				331.4
	25-year				405.3
	50-year				460.7
	100-yer				534.3

	Return	Area	Curve	Time of Conc.	Max Flow (ft^3/s,
Node Name	Period	(acres)	Number	(min)	m^3/s)
RCL1101	2-year	106.44	81	24	156.8
	5-year				246.8
	10-year				302.3
	25-year				377.0
	50-year				433.3
	100-yer				508.5
RCL1201	2-year	179.78	86	134	114.7
	5-year				172.1
	10-year				206.9
	25-year				253.6
	50-year				288.6
	100-yer				335.2
RCL1202	2-year	267.48	88	377	83.4
	5-year				123.0
	10-year				147.0
	25-year				179.1
	50-year				203.1
	100-yer				235.2
RCL1203	2-year	216.68	91	69	262.7
	5-year				375.1
	10-year				442.3
	25-year				531.6
	50-year				598.3
	100-yer				686.9
RCL1300	2-year	224.49	84	85	178.8
	5-year				275.8
	10-year				335.2
	25-year				415.1
	50-year				475.3
	100-yer				555.7
RCL1301	2-year	164.04	79	40	168.9
	5-year				275.9
	10-year				342.8
	25-year				433.9
	50-year				503.6
	100-yer				597.4
RCL1302	2-year	82.58	76	22	99.0
	5-year				165.3
	10-year				207.1
	25-year				264.0
	50-year				307.3
	100-yer				365.8
RCL1303	2-year	197.67	74	22	213.0
	5-year				367.9
	10-year				467.1
	25-year				603.7
	50-year				708.2
	100-yer				849.3

ReturnAreaCurveConcNode NamePeriod(acres)Number(min)RCL13A012-year158.2277	of Max • (ft 28	<pre>c Flow ^3/s, </pre>
Return Node NameReturn PeriodArea (acres)Curve NumberConc (min)RCL13A012-year158.2277	• (ft m	^3/s,
Node NamePeriod(acres)Number(init)RCL13A012-year158.2277	28	
RCL13A01 2-year 158.22 77	28	^3/S)
		181.2
5-year		300.5
10-year		375.5
25-year		478.8
50-year		557.5
100-yer		663.5
RCL1400 2-year 217.78 86	105	166.0
5-year		249.1
10-year		299.6
25-year		367.2
50-year		417.9
100-yer		485.4
RCL1401 2-year 64.80 87	38	100.2
5-year		147.9
10-year		176.7
25-year		215.1
50-year		243.8
100-yer		281.9
RCL1402 2-year 184.23 81	23	275.1
5-year		433.1
10-year		530.4
25-year		661.9
50-year		761.4
100-yer		894.8
RCL1501 2-year 145.26 90	43	234.6
5-year		335.8
10-year		396.3
25-year		476.7
50-year		536.9
100-yer		616.9
RCL1601 2-year 229.49 87	85	212.0
5-year		314.2
10-year		376.0
25-year		458.5
50-year		520.3
100-yer		602.5
RCL1602 2-year 177.96 89	75	190.3
5-year		277.6
10-year		330.1
25-year		400.1
50-year		452.4
100-yer		521.9
RCL1603 2-year 148.78 88	59	180.9
5-year		265.2
10-year		316.0
25-year		383.8
50-year		434.6
100-yer		502.1

Node Name	Return Period	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s, m^3/s)
RCI 1604	2-vear	147 24	88	57	182.6
11021001	5-year			01	268.7
	10-vear				320.7
	25-year				390.3
	50-year				442.3
	100-ver				511.5
RCI 16A00	2-vear	190.90	86	72	190.0
	5-year				284.5
	10-vear				342.1
	25-vear				419.4
	50-year				477.3
	100-ver				554.5
RCI 16A01	2-vear	119 46	87	42	173.2
	5-year	110.40		-12	256.9
	10-vear				307.5
	25-vear				375.0
	50-year				425.5
	100-ver				492.7
RCI 1701	2-vear	182.24	85	87	153.2
	5-vear				232.4
	10-vear				280.7
	25-year				345.3
	50-vear				393.8
	100-yer				458.5
RCL1702	2-vear	185.82	87	108	143.0
	5-vear				212.7
	10-vear				255.0
	25-year				311.5
	50-year				353.9
	100-yer				410.3
RCL1703	2-vear	117.47	81	26	169.1
	5-year				265.6
	10-year				325.3
	25-year				405.8
	50-year				466.4
	100-yer				547.5
RCL1801	2-year	166.20	86	62	185.0
	5-vear				276.5
	10-vear				331.9
	25-year				405.9
	50-year				461.4
	100-yer				535.2
RCL1901	2-year	182.58	85	30	292.4
	5-vear				438.9
	10-vear				527.9
	25-vear				647.2
	50-vear				736.7
	100-yer				855.7

			-	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(mm)	m^3/s)
RCL2001	2-year	165.43	85	34	246.7
	5-year				373.7
	10-year				450.9
	25-year				554.1
	50-year				631.6
	100-yer				734.7
RCL2002	2-year	184.16	84	41	240.9
	5-year				368.3
	10-year				446.9
	25-year				552.4
	50-year				631.6
	100-yer				737.3
RCL901	2-year	151.21	89	44	229.5
	5-year				332.0
	10-year				393.5
	25-year				475.2
	50-year				536.3
	100-yer				617.9
RCMC01	2-year	108.36	83	31	159.4
	5-year				245.0
	10-year				297.3
	25-year				367.5
	50-year				420.5
	100-yer				491.4
RCMC02	2-year	8.53	68	11	8.0
	5-year				14.7
	10-year				19.2
	25-year				25.3
	50-year				30.1
	100-yer				36.6
RCMC03	2-year	35.29	77	21	46.3
	5-year				75.8
	10-year				94.4
	25-year				119.7
	50-year				138.9
	100-yer				164.7
RCMC06	2-year	30.76	78	10	49.8
	5-year				78.9
	10-year				96.9
	25-year				121.2
	50-year				139.5
	100-yer				164.0
RCMC07	2-year	5.44	78	5	9.5
	5-year				14.8
	10-vear				18.0
	25-vear				22.4
	50-vear				25.7
	100-yer				30.1
	, -				

			-	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
RCMC08	2-year	81.31	78	59	64.3
	5-year				106.3
	10-year				132.7
	25-year				168.8
	50-year				196.2
	100-yer				233.1
RCMC09	2-year	4.66	76	4	7.2
	5-year				11.6
	10-year				14.3
	25-year				18.0
	50-year				20.8
	100-yer				24.5
RCMC14	2-year	11.58	77	6	18.5
	5-year				29.3
	10-year				36.1
	25-year				45.1
	50-year				51.9
	100-yer				61.1
RCMC17	2-year	76.55	85	27	126.8
	5-year				191.4
	10-year				230.5
	25-year				282.8
	50-year				322.1
	100-yer				374.3
RCMC19	2-year	100.58	83	32	142.3
	5-year				219.8
	10-year				267.3
	25-year				331.1
	50-year				379.0
	100-yer				443.4
RCMC23	2-year	133.93	89	37	226.1
	5-year				326.6
	10-year				386.9
	25-year				467.0
	50-year				526.8
	100-yer				606.2
RCMC25	2-year	17.33	72	10	20.8
	5-year				35.8
	10-year				45.3
	25-year				58.4
	50-year				68.4
	100-yer				81.9
RCMC27	2-year	44.01	88	34	73.1
	5-year				107.2
	10-year				127.7
	25-year				155.0
	50-year				175.5
	100-yer				202.6

			_	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(min)	m^3/s)
RCMC31	2-year	232.73	90	79	255.4
	5-year				365.8
	10-year				431.9
	25-year				519.6
	50-year				585.2
	100-yer				672.3
RCMC32	2-year	115.23	84	30	177.9
	5-year				269.8
	10-year				326.2
	25-year				401.6
	50-year				458.3
	100-yer				533.7
RCMC34	2-year	223.79	86	63	238.9
	5-year				360.5
	10-year				434.5
	25-year				533.4
	50-year				607.6
	100-yer				706.4
RCMC36	2-year	158.63	89	62	190.8
	5-year				278.4
	10-year				331.0
	25-year				401.3
	50-year				453.8
	100-yer				523.5
RCMC37	2-year	259.98	83	63	251.1
	5-year				388.7
	10-year				473.0
	25-year				586.6
	50-year				672.2
	100-yer				786.3
RCMC38	2-year	197.35	84	88	156.6
	5-year				240.4
	10-year				291.6
	25-year				360.5
	50-year				412.2
	100-yer				481.2
RCMC39	2-year	228.58	84	76	201.5
	5-year				308.7
	10-year				374.4
	25-year				462.8
	50-year				529.5
	100-yer				618.3
RCMC40	2-year	76.97	87	29	133.3
	5-year				197.9
	10-year				237.0
	25-year				289.1
	50-year				328.2
	100-yer				380.1

			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
RCMC41	2-year	136.06	78	110	69.4
	5-year				114.9
	10-year				143.5
	25-year				182.6
	50-year				212.5
	100-yer				252.9
RCMC44	2-year	128.78	85	49	160.9
	5-year				243.1
	10-year				293.1
	25-year				360.0
	50-year				410.2
	100-yer				477.0
RCMC45	2-year	184.82	85	62	196.0
	5-year				297.3
	10-year				359.0
	25-year				441.7
	50-year				503.7
	100-yer				586.4
RCMC46	2-year	168.94	85	150	95.1
	5-year				144.5
	10-year				174.6
	25-year				214.9
	50-year				245.3
	100-yer				285.7
RCMC47	2-year	117.80	85	76	106.6
	5-year				162.3
	10-year				196.3
	25-year				242.0
	50-year				276.5
	100-yer				322.4
RCMC48	2-year	211.92	86	60	235.1
	5-year				353.4
	10-year				425.3
	25-year				521.4
	50-year				593.7
	100-yer				690.0
RCMC49	2-year	188.98	82	68	160.6
	5-year				253.6
	10-year				311.1
	25-year				388.8
	50-year				447.6
	100-yer				526.4
RCMC50	2-year	155.77	83	66	144.4
	5-year				224.6
	10-year				273.9
	25-year				340.2
	50-year				390.2
	100-yer				457.0

	Deturn	Area	Curve	Time of Conc.	Max Flow
Node Name	Period	(acres)	Number	(min)	(11^3/S, m^3/s)
RCMC51	2-vear	125.43	85	61	131.3
	5-vear				200.1
	10-vear				242.1
	25-year				298.3
	50-vear				340.6
	100-yer				397.0
RCMC52	2-vear	207.23	85	64	208.5
	5-vear				318.8
	10-year				386.1
	25-vear				476.4
	50-vear				544.2
	100-yer				634.6
RCMC53	2-vear	124.22	82	51	129.7
	5-year				204.1
	10-vear				250.1
	25-year				312.1
	50-vear				358.9
	100-ver				421.4
RCMC54	2-vear	152.98	83	37	200.9
	5-vear				311.5
	10-vear				379.7
	25-year				471.3
	50-year				540.3
	100-yer				632.3
RCMC55	2-vear	202.39	80	53	188.6
	5-year				303.6
	10-year				375.4
	25-year				472.7
	50-year				546.3
	100-yer				645.0
RCMC56	2-year	204.43	81	42	225.4
	5-year				359.3
	10-year				442.3
	25-year				554.9
	50-year				640.5
	100-yer				755.0
RCMC57	2-year	157.92	82	65	142.5
	, 5-year				223.7
	10-year				273.7
	25-year				341.1
	50-year				392.0
	100-yer				460.1
RCMC58	2-year	179.47	87	44	254.2
	5-year				377.0
	10-year				451.2
	, 25-year				550.0
	, 50-year				624.1
	100-yer				722.5

			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SCL103	2-year	4.95	86	9	10.8
	5-year				15.7
	10-year				18.7
	25-year				22.6
	50-year				25.6
	100-yer	10.01		10	29.5
SCL116	2-year	16.84	89	12	38.6
	5-year				55.2
	10-year				65.1
	25-year				78.2
	50-year				88.1
0.01 / 1.0 /	100-yer	1			101.1
SCL1A04	2-year	15.86	86	11	34.1
	5-year				49.7
	10-year				59.1
	25-year				/1.6
	50-year				80.9
001.001	100-yer	5.07	00		93.3
SCL201	2-year	5.87	90	8	14.1
	5-year				19.9
	10-year				23.3
	25-year				27.9
	100 year				31.3
001.004	100-yei	0.00	07	10	30.0
SCL301	Z-year	0.20	07	10	10.0
	10 year				19.0
	25 yoar				23.0
	50-year				20.3
	100-year				32.2
SCMC01	2 voor	65 14	95	22	99.0
SCIVICOT	2-year	03.14	60	32	99.0
	10 year				191.0
	25-year				222.6
	50-vear				222.0
	100-ver				204.0
SCMC03	2-vear	2 67	01	Л	£33.7 6.7
0010000	5-vear	2.07	31		0.7 Q.1
	10-vear				11 0
	25-vear				13.1
	50-vear				14.7
	100-ver				16.7
SCMC05	2-vear	4 61	92	۵	11 8
	5-vear	01	52		16.4
	10-vear				19.1
	25-vear				22.7
	50-vear				25.4
	100-ver				29.4
	100 901				23.0

			Catchment	:1	
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(40103)	Number	(1111)	m^3/s)
SCMC08	2-year	9.73	88	9	22.3
	5-year				32.1
	10-year				37.9
	25-year				45.7
	50-year				51.5
0014040	100-yei	0.40	07	0	09.2
SCINC13	2-year	9.48	87	9	21.0
	5-year				30.4
	10-year				30.0
	20-year				43.3
	100 year				49.1
0014000	100-yei	44.50	0.0	40	30.3
SCMC20	2-year	11.53	88	10	20.2
	5-year				37.0
	25 year				44.3 52 5
	20-year				55.5
	100 year				60.3
SPI 0101	2 voor	1 20	00	1	09.3
SKLUIUT	2-year	1.30	00	4	3.3
	10-vear				5.6
	25-vear				6.7
	50-year				7.5
	100-ver				8.6
SRI 0103	2-vear	2.83	88	11	6.4
	5-year	2.00			9.1
	10-vear				10.8
	25-vear				13.0
	50-vear				14.7
	100-yer				16.9
SRL0105	2-year	25.09	91	64	32.4
	5-year				46.1
	10-year				54.2
	25-year				65.1
	50-year				73.2
	100-yer				83.9
SRL0108	2-year	10.63	86	12	22.5
	5-year				33.0
	10-year				39.3
	25-year				47.8
	50-year				54.0
	100-yer				62.4
SRL0112	2-year	8.47	90	9	20.4
	5-year				28.9
	10-year				34.0
	25-year				40.7
	50-year				45.7
	100-yer				52.3

			Catchment	:1	
Node Name	Return Period	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s, m^3/s)
SRI 0116	2-vear	814	03	10	21.5
SILEUTIO	2-year	0.14		10	21.5
	10-year				29.0
	25-year				40.7
	50-year				40.7
	100-year				51 7
SPI 0121	2-vear	10.27	0/	17	25.4
SILEUTZT	5-vear	10.27			35.0
	10-year				40.7
	25-year				48.3
	50-year				
	100-ver				61.5
SPI 01401		2.06	07	F	01.5
3KL01401	2-year	2.00	07	5	4.0
	10 year				7.0
	25 year				7.5
	50 year				9.5
	100 vor				10.7
SPI 01402	2 voor	1 95	07	0	12.3
3KL01403	2-year	4.00	07	9	10.7
	10 year				19.3
	25 year				10.3
	50-year				22.2
	100-year				23.0
SPI 01503	2 voor	22.84	97	20	45.3
3KL01303	2-year	22.04	07	20	45.3
	10 year				70.0
	25-year				95.0
	50-year				108.5
	100-ver				125.2
SPI 0201	2 voor	4 76	86	6	10.5
SKL0201	5-year	4.70	00	0	10.3
	10-year				13.2
	25-vear				21.8
	50-year				21.0
	100-year				24.7
SPI 0204	2-vear	17.03	00	26	35.6
511L0204	5-vear	17.55		20	51.0
	10-vear				60.4
	25-vear				72.8
	50-year				1∠.0 82 ∩
	100-ver				02.0 04 2
SBI 0304	2_vear	0./1	02	7	07.Z
51XL0304	5-vear	9.41	92	1	24.2
	10-year				30.0 20.1
	25-year				39.1 16 5
	50-year				40.0 52 1
	100-year				50 /
	i oo-yei				59.4

			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRL0307	2-year	21.15	95	14	55.6
	5-year				75.8
	10-year				87.9
	25-year				103.9
	50-year				115.9
	100-yer				131.8
SRL0402	2-year	21.02	80	11	35.1
	5-year				54.9
	10-year				67.1
	25-year				83.4
	50-year				95.8
	100-yer				112.3
SRL0403	2-year	13.13	83	11	25.1
	5-year				37.8
	10-year				45.5
	25-year				55.8
	50-year				63.5
	100-yer				73.8
SRL0404	2-year	10.24	88	7	23.7
	5-year				33.8
	10-year				39.9
	25-year				47.9
	50-year				53.9
	100-yer				61.8
SRL0406	2-year	16.39	87	7	35.7
	5-year				51.8
	10-year				61.4
	25-year				74.2
	50-year				83.7
	100-yer				96.4
SRL0408	2-year	29.17	90	13	68.6
	5-year				96.9
	10-year				113.8
	25-year				136.3
	50-year				153.0
	100-yer				175.3
SRL0601	2-year	3.04	86	3	6.7
	5-year				9.6
	10-year				11.3
	25-year				13.6
	50-year				15.4
	100-yer				17.7
SRL0602	2-year	8.34	89	13	18.8
	5-year				27.0
	10-year				31.9
	25-year				38.4
	50-year				43.2
	100-yer				49.6

			Catchment 1			
			0	Time of	Max Flow	
	Return	Area	Curve	Conc. (min)	(ft^3/s,	
Node Name	Period	(acres)	Number	(1111)	m^3/s)	
SRL0607	2-year	12.48	91	10	30.1	
	5-year				42.3	
	10-year				49.5	
	25-year				59.1	
	50-year				66.3	
	100-yer				/5.9	
SRL0701	2-year	3.45	91	6	8.5	
	5-year				11.9	
	10-year				13.9	
	25-year				16.6	
	50-year				18.6	
	100-yer				21.2	
SRL0705	2-year	2.52	90	7	6.1	
	5-year				8.6	
	10-year				10.1	
	25-year				12.1	
	50-year				13.5	
	100-yer				15.5	
SRL0707	2-year	16.34	89	24	32.4	
	5-year				47.0	
	10-year				55.8	
	25-year				67.4	
	50-year				76.1	
	100-yer				87.7	
SRL0801	2-year	2.57	90	4	6.3	
	5-year				8.9	
	10-year				10.4	
	25-year				12.5	
	50-year				14.0	
	100-yer				16.0	
SRL0803	2-year	17.60	88	12	39.3	
	5-year				56.7	
	10-year				67.1	
	25-year				81.0	
	50-year				91.3	
	100-yer				105.1	
SRL0804	2-year	10.49	87	13	22.7	
	5-year				32.9	
	10-year				39.1	
	25-year				47.3	
	50-year				53.4	
	100-yer				61.5	
SRL0904	2-year	1.06	94	2	2.7	
	5-year				3.7	
	10-year				4.3	
	25-year				5.1	
	50-year				5.7	
	100-yer				6.4	

			Catchment	:1	
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRL09A01	2-year	11.14	90	13	25.9
	5-year				36.8
	10-year				43.4
	25-year				52.1
	50-year				58.5
	100-yer				67.1
SRL09A03	2-year	8.15	87	9	18.4
	5-year				26.5
	10-year				31.4
	25-year				37.9
	50-year				42.7
	100-yer				49.1
SRL1001	2-year	0.86	88	7	2.0
	5-year				2.8
	10-year				3.3
	25-year				4.0
	50-year				4.5
	100-yer				5.2
SRL1004	2-year	3.27	87	5	7.4
	5-year				10.7
	10-year				12.6
	25-year				15.2
	50-year				17.1
	100-yer				19.6
SRL1103	2-year	9.85	89	10	22.8
	5-year				32.6
	10-year				38.4
	25-year				46.2
	50-year				52.0
	100-yer				59.7
SRL1106	2-year	7.56	88	11	17.1
	5-year				24.6
	10-year				29.0
	25-year				35.0
	50-year				39.4
	100-yer				45.3
SRL1110	2-year	2.70	87	45	3.7
	5-year				5.6
	10-year				6.6
	25-year				8.1
	50-year				9.2
	100-yer				10.6
SRL1202	2-year	5.36	87	4	12.2
	5-year				17.5
	10-year				20.7
	25-year				24.9
	50-year				28.1
	100-yer				32.3

			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRL1602	2-year	5.72	88	9	12.9
	5-year				18.6
	10-year				21.9
	25-year				26.4
	50-year				29.8
	100-yer				34.2
SRL1703	2-year	7.74	88	9	17.5
	5-year				25.1
	10-year				29.7
	25-year				35.8
	50-year				40.4
	100-yer				46.5
SRL1705	2-year	12.74	88	17	26.5
	5-year				38.6
	10-year				45.9
	25-year				55.6
	50-year				62.8
	100-yer				72.4
SRL1802	2-year	10.97	87	7	25.3
	5-year				36.5
	10-year				43.2
	25-year				52.2
	50-year				58.9
	100-yer				67.8
SRL1804	2-year	11.56	92	22	26.1
	5-year				36.7
	10-year				42.9
	25-year				51.3
	50-year				57.5
	100-yer				65.7
SRL1806	2-year	4.43	92	6	11.4
	5-year				15.8
	10-year				18.4
	25-year				21.9
	50-year				24.5
	100-yer				28.0
SRL1809	2-year	12.68	93	13	31.7
	5-year				44.0
	10-year				51.3
	25-year				60.9
	50-year				68.1
	100-yer				77.7
SRL18A03	2-year	10.33	88	11	23.0
	5-year				33.2
	10-year				39.3
	25-year				47.4
	50-year				53.5
	100-yer				61.5

			Catchment	:1	
				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
SRL1903	2-year	5.65	91	13	13.7
	5-year				19.2
	10-year				22.5
	25-year				26.9
	50-year				30.2
	100-yer				34.5
SRL2003	2-year	16.52	87	7	38.4
	5-year				55.3
	10-year				65.3
	25-year				78.8
	50-year				88.8
	100-yer				102.1
SRL2103	2-year	12.24	88	14	27.0
	5-year				39.0
	10-year				46.2
	25-year				55.9
	50-year				63.1
	100-yer				72.7
SRMC04	2-year	25.46	80	11	44.4
	5-year				69.1
	10-year				84.2
	25-year				104.5
	50-year				119.8
	100-yer				140.2
SRMC05	2-vear	49.18	86	14	105.0
	5-vear				154.1
	10-vear				183.7
	25-vear				223.0
	50-vear				252.4
	100-ver				291.6
SRMC08	2-vear	26.95	85	15	53.6
	5-year	20.00		10	79.6
	10-vear				95.0
	25-year				116.3
	50-year				132.0
	100-ver				152.0
SPMC12	2 voor	20.55	00	22	60.4
SILING 13	2-year		00	20	88.0
	10 year				104.6
	25-vear				104.0
	50-year				1/20.0
	100-year				140.0
SDMC40		10.60	04	40	100.2
SKINC19	∠-year	19.68	91	12	47.6
	5-year				56.9
	10-year				/8.4
	25-year				93.6
	50-year				105.0
	100-yer				120.1

			Catchment	:1	
Node Name	Return	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s, m^3/s)
SRMC23	2-vear	3.65	01	5	un 3/3/
UT(MO23	5-year	0.00			12.6
	10-vear				14.7
	25-vear				17.5
	50-vear				19.6
	100-ver				22.3
SRMC24	2-vear	6.04	86	10	13.2
	5-year	0.04	00	10	19.3
	10-vear				22.9
	25-year				27.8
	50-year				31.4
	100-ver				36.2
SRMC27	2-vear	6 34	87	Q	14.1
01111027	5-year	0.04	07		20.5
	10-vear				20.3
	25-year				29.3
	50-year				33.0
	100-ver				38.0
SRMC31	2-vear	27 17	87	14	58.3
	5-year	27.17	07		85.0
	10-vear				101.1
	25-year				122.5
	50-year				138.5
	100-ver				159.8
SRMC34	2-vear	24 16	87	13	51.9
	5-year				75.6
	10-vear				89.9
	25-vear				108.9
	50-vear				123.1
	100-yer				142.0
SRMC36	2-vear	15.05	85	14	29.3
	5-vear				43.9
	10-vear				52.7
	25-vear				64.4
	50-vear				73.2
	100-ver				84.9
SRMC40	2-vear	12.70	85	11	26.7
	5-vear		50		39.4
	10-vear				47.0
	25-vear				57.1
	50-vear				64.7
	100-ver				74.8
SRMC41	2-year	15.42	85	11	32.2
	5-year	. 5. 12			47.6
	10-vear				56.8
	25-vear				69.1
	50-vear				78.4
	100-ver				90.6

			Catchment	:1	
			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRMC44	2-year	28.87	92	11	71.3
	5-year				99.4
	10-year				116.2
	25-year				138.4
	50-year				154.9
	100-yer				177.0
SYMC02	2-year	2.21	82	5	4.4
	5-year				6.6
	10-year				8.0
	25-year				9.7
	50-year				11.1
	100-yer				12.8
SYMC05	2-year	6.21	84	9	12.7
	5-year				18.9
	10-year				22.6
	25-year				27.6
	50-year				31.3
	100-yer				36.2
UWL101	2-year	156.07	88	45	223.6
	5-year				328.7
	10-year				392.0
	25-year				476.4
	50-year				539.5
	100-yer				623.3
UWL201	2-year	523.41	89	79	540.7
	5-year				787.4
	10-year				935.9
	25-year				1133.5
	50-year				1281.2
	100-yer				1477.5
UWL301	2-year	128.30	89	32	230.2
	5-year				332.6
	10-year				394.2
	25-year				476.2
	50-year				537.4
	100-yer				618.7
UWL302	2-year	197.75	76	30	209.2
	5-year				352.4
	10-year				443.0
	25-year				566.8
	50-year				661.1
	100-yer				788.9
UWMC00	2-year	17.30	77	28	20.3
	5-year				33.5
	10-year				41.7
	25-year				53.1
	50-year				61.8
	100-yer				73.4

			Catchment	Catchment 1			
				Time of	Max Flow		
	Return	Area	Curve	Conc. (min)	(ft^3/s,		
Node Name	Period	(acres)	Number	(11111)	m^3/s)		
UWMC01	2-year	86.27	87	63	95.7		
	5-year				142.8		
	10-year				171.3		
	25-year				209.3		
	50-year				237.8		
	100-yer				275.7		
UWMC03	2-year	125.35	80	103	75.2		
	5-year				120.7		
	10-year				149.0		
	25-year				187.6		
	50-year				216.8		
	100-yer				256.1		
UWMC04	2-year	210.85	84	92	157.9		
	5-year				243.8		
	10-year				296.5		
	25-year				367.6		
	50-year				421.2		
	100-yer				492.6		
UWMC05	2-year	336.36	85	115	225.4		
	5-year				343.8		
	10-year				416.5		
	25-year				514.2		
	50-year				587.7		
	100-yer				685.7		
UWMC06	2-year	228.83	88	83	224.1		
	5-year				328.5		
	10-year				391.4		
	25-year				475.2		
	50-year				537.9		
	100-yer				621.2		
UWMC07	2-year	216.34	90	75	242.5		
	5-year				348.0		
	10-year				411.2		
	25-year				495.2		
	50-year				558.0		
	100-yer				641.4		
UWMC08	2-year	216.72	91	173	137.8		
	5-year				196.2		
	10-year				231.2		
	25-vear				277.7		
	50-vear				312.5		
	100-yer				358.8		
UWMC09	2-year	300.71	88	46	424.1		
	5-year				623.4		
	10-vear				743.5		
	25-vear				903 3		
	50-vear				1022 0		
	100-ver				1181 8		
	100 901				101.0		

			Catchment 1			
				Time of	Max Flow	
	Return	Area	Curve	Conc. (min)	(ft^3/s,	
Node Name	Period	(acres)	Number	(1111)	m^3/s)	
UWMC10	2-year	177.35	79	32	212.5	
	5-year				344.2	
	10-year				426.3	
	25-year				537.6	
	50-year				621.9	
	100-yer				734.8	
UWMC11	2-year	203.92	80	43	218.9	
	5-year				350.8	
	10-year				432.7	
	25-year				543.7	
	50-year				627.9	
	100-yer				740.7	
UWMC12	2-year	174.62	77	22	216.0	
	5-year				357.5	
	10-year				446.2	
	25-year				567.1	
	50-year				658.9	
	100-yer				783.0	
VCL102	2-year	111.36	84	39	146.8	
	5-year				225.4	
	10-year				273.8	
	25-year				338.8	
	50-year				387.7	
	100-yer				452.8	
VCL201	2-vear	37.12	84	15	68.6	
	5-vear				103.1	
	10-vear				124.2	
	25-vear				152.2	
	50-year				173.3	
	100-ver				201.3	
VCMC01	2-vear	178 23	78	76	120.4	
VONICOT	5-year	170.20	10	10	198.3	
	10-vear				247.4	
	25-year				314.2	
	50-year				365.1	
	100-ver				433.5	
		92.21	91	24	104.6	
V CIVICUZ	∠-year	03.31	01		104.0	
	10 year				204.1	
	25 year				204.1	
	20-year				200.0	
	100 year				294.3	
	o una	100 7 1			340.1	
VCIVIC03	2-year	123.74	82	31	1/5.0	
	5-year				2/2.0	
	10-year				331.5	
	25-year				411.5	
	50-year				471.7	
	100-yer				552.6	

			Catchment	:1	
				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
VCMC04	2-year	30.29	90	18	66.8
	5-year				95.4
	10-year				112.5
	25-year				135.3
	50-year				152.3
	100-yer				174.9
VCMC06	2-year	44.30	86	14	92.6
	5-year				135.9
	10-year				162.0
	25-year				196.7
	50-year				222.7
	100-yer				257.2
VCMC07	2-year	37.93	90	16	88.1
	5-year				125.1
	10-year				147.1
	25-year				176.3
	50-year				198.2
	100-yer				227.1
VCMC08	2-year	32.10	86	12	68.0
	5-year				99.8
	10-year				119.0
	25-year				144.5
	50-year				163.6
	100-yer				188.9
W13L1B01	2-year	9.14	86	10	19.7
	5-year				28.8
	10-year				34.3
	25-year				41.7
	50-year				47.1
	100-yer				54.4
W13L1C01	2-year	2.50	87	7	5.5
	5-year				8.0
	10-year				9.5
	25-year				11.4
	50-year				12.9
	100-yer				14.9
W13L201	2-year	2.10	88	5	4.9
	5-vear				7.0
	10-vear				8.2
	25-vear				9.9
	50-vear				11.1
	100-ver				12.7
W13L202	2-year	3.56	84	3	7.3
	5-vear	0.00			10.8
	10-vear				12.9
	25-vear				15.7
	50-vear				17.8
	100-ver				20.5
	i oo-yei				20.5

			0	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
W13L401	2-year	1.96	86	3	4.4
	5-year				6.4
	10-year				7.6
	25-year				9.1
	50-year				10.3
	100-yer				11.8
W13MC04	2-year	17.04	90	12	40.6
	5-year				57.6
	10-year				67.7
	25-year				81.1
	50-year				91.1
	100-yer				104.4
WLL104	2-year	2.48	87	3	5.7
	5-year				8.1
	10-year				9.6
	25-year				11.6
	50-year				13.0
	100-yer				15.0
WLL109	2-year	4.75	95	3	12.6
	5-year				17.2
	10-year				19.8
	25-year				23.4
	50-year				26.1
	100-yer				29.7
WLL1A01	2-year	10.59	89	8	25.0
	5-year				35.7
	10-year				42.1
	25-year				50.5
	50-year				56.8
	100-yer				65.2
WLL1A02	2-year	8.78	87	14	18.9
	5-year				27.5
	10-year				32.7
	25-year				39.6
	50-year				44.8
	100-yer				51.7
WLL1B01	2-year	26.25	92	33	50.6
	5-year				71.3
	10-year				83.6
	25-year				99.9
	50-year				112.2
	100-yer				128.4
WLL202	2-year	8.59	90	10	20.2
	5-year				28.6
	10-year				33.6
	25-year				40.2
	50-year				45.2
	100-yer				51.7

			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
WLL302	2-year	4.88	91	5	12.7
	5-year				17.6
	10-year				20.6
	25-year				24.5
	50-year				27.4
	100-yer				31.3
WLL305	2-year	6.00	87	5	13.5
	5-year				19.4
	10-year				22.9
	25-year				27.6
	50-year				31.1
	100-yer				35.8
WLL314	2-year	6.26	87	6	14.3
	5-year				20.6
	10-year				24.3
	25-year				29.3
	50-year				33.0
	100-yer				38.0
WLL318	2-year	40.95	87	17	85.1
	5-year				124.0
	10-year				147.4
	25-year				178.6
	50-year				201.9
	100-yer				232.9
WLL3A02	2-year	1.76	93	3	4.5
	5-year				6.1
	10-year				7.1
	25-year				8.4
	50-year				9.4
	100-yer				10.7
WLL3B05	2-year	7.28	89	8	17.2
	5-year				24.4
	10-year				28.7
	25-year				34.5
	50-year				38.7
	100-yer				44.4
WLL401	2-year	8.48	92	11	21.3
	5-year				29.6
	10-year				34.6
	25-year				41.1
	50-year				46.0
	100-yer				52.6
WLL501	2-year	30.60	87	28	54.0
	5-year				79.6
	10-year				95.1
	25-year				115.7
	50-year				131.1
	100-yer				151.6

			Catchment	:1	
Node Name	Return Period	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s, m^3/s)
WLL601	2-year	9.91	93	8	25.9
	5-year				35.6
	10-year				41.5
	25-year				49.2
	50-year				54.9
	100-yer				62.6
WLL701	2-year	18.94	87	11	40.6
	5-year				59.1
	10-year				70.3
	25-year				85.1
	50-year				96.1
	100-yer				110.8
WLMC04	2-year	22.92	86	20	44.8
	5-year				66.1
	10-year				78.9
	25-year				96.0
	50-year				108.8
	100-yer				125.9
WLMC06	2-year	21.18	83	35	28.7
	5-year				44.5
	10-year				54.2
	25-year				67.2
	50-year				76.9
	100-yer				90.0
WLMC09	2-year	51.15	85	47	63.2
	5-year				96.2
	10-year				116.4
	25-year				143.4
	50-year				163.6
	100-yer				190.6
WLMC11	2-year	2.54	93	11	6.6
	5-year				9.0
	10-year				10.5
	25-year				12.5
	50-year				14.0
	100-yer				15.9
WLMC18	2-year	17.06	87	24	32.0
	5-year				47.1
	10-year				56.2
	25-year				68.3
	50-year				77.3
	100-yer				89.4

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL101	2-year	898.00	880.37	883.32	14.68
	5-year			883.94	14.06
	10-year			884.30	13.70
	25-year			884.72	13.28
	50-year			884.99	13.01
	100-yer			885.34	12.66
CCL102	2-vear	904.00	896.75	898.37	5.63
	5-vear			898.64	5.36
	10-vear			898.96	5.04
	25-vear			899.34	4 66
	50-vear			899.51	4 49
	100-ver			899.70	4.30
CCI 103	2-vear	907 42	897 42	898.78	4.00 8.64
COLIUS	2-year 5-year	307.42	037.42	800.10	8.28
	10 year			900.49	7.04
	10-year			000.01	7.94
	20-year			900.01	7.41
	50-year			900.28	7.14
	100-yer	000.00	000.00	900.58	6.84
CCL104	2-year	908.08	898.08	898.80	9.28
	5-year			899.14	8.94
	10-year			899.48	8.60
	25-year			900.00	8.08
	50-year			900.27	7.81
	100-yer			900.57	7.51
CCL105	2-year	909.28	899.28	901.63	7.65
	5-year			902.92	6.36
	10-year			903.22	6.06
	25-year			903.44	5.84
	50-year			903.57	5.71
	100-yer			903.72	5.56
CCL106	2-year	918.00	908.00	908.56	9.44
	5-year			908.75	9.25
	10-year			908.84	9.16
	25-year			908.93	9.07
	50-year			908.99	9.01
	100-yer			909.06	8.94
CCL107	2-year	914.17	908.17	909.42	4.76
	5-year			909.71	4.46
	10-year			909.87	4.30
	25-vear			910.07	4.10
	50-vear			910.17	4.00
	100-ver			910.30	3.87
CCI 108	2-vear	915 74	909 74	909.92	5 82
552100	5-vear	0.0.74	000.74	910.05	5 69
	10-vear			910 11	5.63
	25-year			910.17	5.00
	50-vear			910.20	5.57
	100-ver			Q10.20	5.04 5.42
l	100 901			310.32	J.+Z

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL109	2-year	919.85	909.85	911.88	7.97
	5-year			912.24	7.61
	10-year			912.34	7.51
	25-year			912.44	7.41
	50-year			912.50	7.35
	100-yer			912.58	7.27
CCL110	2-year	925.87	915.87	916.09	9.78
	5-year			916.15	9.72
	10-year			916.18	9.69
	25-year			916.22	9.65
	50-year			916.24	9.63
	100-yer			916.27	9.60
CCL111	2-year	922.76	917.18	921.98	0.78
	5-year			922.07	0.69
	10-year			922.11	0.65
	25-year			922.16	0.60
	50-year			922.20	0.56
	100-yer			922.24	0.52
CCL112	2-year	922.80	918.38	922.14	0.66
	5-year			922.26	0.54
	10-year			922.32	0.48
	25-year			922.40	0.40
	50-year			922.45	0.35
	100-yer			922.52	0.28
CCL113	2-year	924.64	920.06	923.77	0.87
	5-year			923.85	0.79
	10-year			923.90	0.74
	25-year			923.95	0.69
	50-year			923.98	0.66
	100-yer			924.02	0.62
CCL201	2-year	910.68	901.16	901.28	9.40
	5-vear			901.30	9.38
	10-year			901.32	9.36
	25-year			901.33	9.35
	50-year			901.35	9.33
	100-yer			901.36	9.32
CCL202	2-year	910.74	905.74	906.90	3.84
	5-vear			907.11	3.63
	10-year			907.22	3.52
	25-year			907.36	3.38
	50-year			907.47	3.27
	100-ver			907.61	3.13
CCL203	2-vear	911.72	906.97	908.20	3.52
	5-vear	52	500.01	908.47	3.25
	10-vear			908.62	3.10
	25-vear			908.83	2.89
	50-vear			909.00	2.72
	100-ver			909.26	2.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL204	2-year	914.18	909.18	910.28	3.90
	5-year			910.54	3.64
	10-year			910.71	3.47
	25-year			911.31	2.87
	50-year			912.36	1.82
	100-yer			913.21	0.97
CCMC00	2-year	876.00	863.18	866.50	9.50
	5-year			867.12	8.88
	10-year			867.47	8.53
	25-year			867.87	8.13
	50-year			868.13	7.87
	100-yer			868.47	7.53
CCMC01	2-year	898.00	879.96	883.29	14.71
	5-year			883.91	14.09
	10-year			884.26	13.74
	25-year			884.66	13.34
	50-year			884.92	13.09
	100-yer			885.25	12.75
CCMC02	2-year	906.00	880.68	884.34	21.66
	5-year			885.17	20.83
	10-year			885.57	20.43
	25-year			886.06	19.94
	50-year			886.37	19.63
	100-yer			886.78	19.22
CCMC03	2-year	907.00	891.70	892.82	14.18
	5-year			893.04	13.96
	10-year			893.15	13.85
	25-year			893.31	13.69
	50-year			893.40	13.60
	100-yer			893.51	13.49
CCMC04	2-year	907.00	891.74	893.82	13.18
	5-vear			894.45	12.55
	10-year			894.78	12.22
	25-year			895.21	11.79
	50-vear			895.49	11.51
	100-yer			895.85	11.15
CCMC05	2-vear	909.00	901.74	906.12	2.88
	5-vear			906.69	2.31
	10-vear			906.98	2.02
	25-vear			907.32	1.68
	50-vear			907.54	1.46
	100-ver			907.82	1.18
CCMC06	2-vear	908.00	901.74	906.12	1.88
	5-vear	500.00		906.69	1.31
	10-vear			906.98	1 02
	25-vear			907.32	0.68
	50-vear			907.54	0.46
	100-ver			907.82	0.18
				55JE	0.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCMC07	2-year	910.07	901.74	906.12	3.95
	5-year			906.69	3.37
	10-year			906.98	3.09
	25-year			907.32	2.75
	50-year			907.54	2.53
	100-yer			907.82	2.25
CCMC08	2-year	910.10	901.88	906.52	3.58
	5-year			907.62	2.48
	10-year			907.98	2.12
	25-year			908.33	1.77
	50-year			908.57	1.53
	100-yer			908.87	1.23
CCMC09	2-year	913.00	904.82	906.51	6.49
	5-year			907.62	5.38
	10-year			907.97	5.03
	25-year			908.33	4.67
	50-year			908.57	4.43
	100-yer			908.87	4.13
CCMC10	2-year	920.17	904.83	907.46	12.71
	5-year			907.87	12.30
	10-year			908.10	12.07
	25-year			908.40	11.77
	50-year			908.64	11.53
	100-yer			908.94	11.23
CCMC11	2-year	928.89	914.89	916.25	12.64
	5-year			916.55	12.34
	10-year			916.70	12.19
	25-year			916.88	12.01
	50-year			917.00	11.89
	100-yer			917.15	11.74
CCMC12	2-year	934.95	928.25	929.23	5.72
	5-year			929.39	5.56
	10-year			929.47	5.48
	25-year			929.57	5.38
	50-year			929.64	5.31
	100-yer			929.72	5.23
CCMC13	2-year	935.00	928.53	929.23	5.77
	5-year			929.39	5.61
	10-year			929.48	5.52
	25-year			929.57	5.43
	50-year			929.64	5.36
	100-ver			929.72	5.28
E23L101	2-vear	936.53	929.53	930.27	6.26
	5-vear	500.00	520.00	930.38	6.15
	10-vear			930.44	6.09
	25-year			930.52	6.01
	50-vear			930.58	5.95
	100-ver			930.65	5.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
E23L102	2-year	935.00	930.00	934.08	0.92
	5-year			934.17	0.83
	10-year			934.20	0.80
	25-year			934.25	0.75
	50-year			934.28	0.72
	100-yer			934.32	0.68
E23L103	2-year	935.14	930.14	934.37	0.77
	5-year			934.48	0.66
	10-year			934.53	0.61
	25-year			934.60	0.54
	50-year			934.64	0.50
	100-yer			934.70	0.44
E23L104	2-year	936.09	931.42	935.20	0.89
	5-year			935.29	0.80
	10-year			935.33	0.76
	25-year			935.38	0.71
	50-year			935.41	0.68
	100-yer			935.45	0.64
E23L105	2-year	936.24	931.66	935.46	0.78
	5-year			935.56	0.68
	10-year			935.61	0.63
	25-year			935.68	0.56
	50-year			935.72	0.52
	100-yer			935.77	0.47
E23L106	2-year	941.65	937.40	938.12	3.53
	5-year			938.32	3.33
	10-year			938.49	3.16
	25-year			940.69	0.96
	50-year			940.70	0.95
	100-yer			940.72	0.93
E23L1A01	2-year	938.00	934.86	936.41	1.59
	5-year			937.07	0.93
	10-year			937.11	0.89
	25-year			937.16	0.84
	50-year			937.18	0.82
	100-yer			937.22	0.78
E23MC01	2-year	915.00	907.40	908.92	6.08
	5-year			909.44	5.56
	10-year			909.65	5.35
	25-year			910.02	4.98
	50-year			910.33	4.67
	100-yer			910.74	4.26
E23MC02	2-year	918.00	910.00	913.54	4.46
	5-year			913.87	4.13
	10-year			914.08	3.92
	25-year			914.28	3.72
	50-year			914.40	3.60
	100-yer			914.54	3.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
E23MC03	2-year	919.00	911.41	913.90	5.10
	5-year			914.21	4.79
	10-year			914.36	4.64
	25-year			914.54	4.46
	50-year			914.68	4.32
	100-yer			914.84	4.16
E23MC04	2-year	922.56	916.56	919.44	3.12
	5-year			919.74	2.82
	10-year			919.87	2.69
	25-year			919.92	2.64
	50-year			920.00	2.56
	100-yer			920.09	2.47
E23MC05	2-year	927.58	923.58	926.23	1.35
	5-year			926.27	1.31
	10-year			926.28	1.30
	25-year			926.41	1.17
	50-year			926.46	1.12
	100-yer			926.52	1.06
E4MC00	2-year	901.00	871.31	872.31	28.69
	5-year			872.55	28.45
	10-year			872.67	28.33
	25-year			872.82	28.18
	50-year			872.93	28.07
	100-yer			873.06	27.94
E4MC01	2-year	901.00	879.59	880.59	20.41
	5-year			880.83	20.17
	10-year			880.96	20.04
	25-year			881.11	19.89
	50-year			881.21	19.79
	100-yer			881.35	19.65
E7MC00	2-year	900.00	879.23	880.63	19.37
	5-year			880.92	19.08
	10-year			881.09	18.91
	25-year			881.29	18.71
	50-year			881.43	18.57
	100-yer			881.62	18.38
E7MC01	2-year	900.00	885.46	886.86	13.14
	5-year			887.16	12.84
	10-year			887.32	12.68
	25-year			887.52	12.48
	50-year			887.67	12.33
	100-yer			887.85	12.15
FPL101	2-year	894.02	886.42	887.35	6.67
	5-year			887.43	6.59
	10-year			887.64	6.38
	25-year			887.79	6.23
	50-year			887.89	6.13
	100-yer			888.01	6.01

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
FPL102	2-year	894.15	886.65	888.33	5.82
	5-year			888.59	5.56
	10-year			889.71	4.44
	25-year			890.49	3.66
	50-year			891.05	3.10
	100-yer			891.85	2.30
FPL103	2-year	896.03	886.95	888.57	7.46
	5-year			893.00	3.03
	10-year			893.26	2.77
	25-year			893.32	2.71
	50-year			893.36	2.67
	100-yer			893.40	2.63
FPL104	2-year	894.09	888.09	891.35	2.74
	5-year			893.00	1.09
	10-year			893.26	0.83
	25-year			893.32	0.77
	50-year			893.36	0.73
	100-yer			893.40	0.69
FPL201	2-year	893.94	884.11	887.49	6.45
	5-year			892.18	1.76
	10-year			892.29	1.65
	25-year			892.41	1.53
	50-year			892.49	1.45
	100-yer			892.59	1.35
FPL202	2-year	894.14	888.14	892.51	1.63
	5-year			892.88	1.26
	10-year			892.97	1.17
	25-year			893.09	1.05
	50-year			893.16	0.98
	100-yer			893.26	0.88
FPL203	2-year	894.66	888.41	892.61	2.05
	5-year			892.97	1.69
	10-year			893.07	1.59
	25-year			893.19	1.47
	50-year			893.28	1.38
	100-yer			893.39	1.27
FPL204	2-year	894.39	888.89	892.63	1.76
	5-year			892.98	1.41
	10-year			893.09	1.30
	25-year			893.22	1.17
	50-year			893.31	1.08
	100-yer			893.43	0.96
FPL205	2-year	896.71	890.46	894.04	2.67
	5-year			894.13	2.58
	10-year			894.18	2.53
	25-year			894.24	2.47
	50-year			894.28	2.43
	100-yer			894.33	2.38

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
FPL206	2-year	895.09	890.84	894.63	0.46
	5-year			894.77	0.32
	10-year			894.85	0.24
	25-year			894.94	0.15
	50-year			895.01	0.08
	100-yer			895.09	0.00
FPL301	2-year	889.00	878.80	879.90	9.10
	5-year			882.14	6.86
	10-year			885.64	3.36
	25-year			887.17	1.83
	50-year			887.33	1.67
	100-yer			887.47	1.53
FPMC00	2-year	909.00	871.48	873.69	35.31
	5-year			874.49	34.51
	10-year			874.88	34.12
	25-year			875.43	33.57
	50-year			875.82	33.18
	100-yer			876.41	32.59
FPMC01	2-year	908.97	873.07	875.29	33.68
	5-year			876.08	32.89
	10-year			876.48	32.49
	25-year			877.03	31.94
	50-year			877.41	31.56
	100-yer			878.01	30.96
FPMC02	2-year	909.00	873.48	875.72	33.28
	5-year			876.52	32.48
	10-year			876.91	32.09
	25-year			877.46	31.54
	50-year			877.84	31.16
	100-yer			878.45	30.55
FPMC03	2-year	910.08	874.72	876.94	33.14
	5-year			877.73	32.35
	10-year			878.13	31.95
	25-year			878.69	31.39
	50-year			879.07	31.01
	100-yer			879.68	30.40
FPMC04	2-year	892.42	886.42	888.38	4.03
	5-year			888.79	3.62
	10-year			889.00	3.42
	25-year			889.34	3.07
	50-year			889.65	2.77
	100-yer			890.07	2.35
FPMC05	2-year	893.00	887.00	888.59	4.41
	5-year			889.13	3.87
	10-year			889.40	3.60
	25-year			889.76	3.24
	50-year			890.04	2.96
	100-yer			890.42	2.58
					Max WSE
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		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL201	2-year	912.00	902.67	905.19	6.81
	5-year			905.46	6.54
	10-year			905.58	6.42
	25-year			905.69	6.31
	50-year			905.77	6.23
	100-yer			905.88	6.12
IPL202	2-year	914.00	909.87	911.44	2.56
	5-year			911.71	2.29
	10-year			911.91	2.09
	25-year			912.24	1.76
	50-year			912.36	1.64
	100-yer			912.47	1.53
IPL203	2-year	928.00	923.00	923.30	4.70
	5-year			923.36	4.64
	10-year			923.39	4.61
	25-year			923.42	4.58
	50-year			923.45	4.55
	100-yer			923.48	4.52
IPL204	2-year	931.54	923.54	924.38	7.16
	5-year			924.52	7.02
	10-year			924.60	6.94
	25-year			924.68	6.86
	50-year			924.76	6.78
	100-yer			924.84	6.70
IPL205	2-year	932.29	925.04	925.50	6.79
	5-year			925.59	6.70
	10-year			925.63	6.66
	25-year			925.68	6.61
	50-year			925.72	6.57
	100-yer			925.77	6.52
IPL206	2-year	933.10	928.85	929.65	3.45
	5-year			929.88	3.22
	10-year			930.94	2.16
	25-year			932.11	0.99
	50-year			932.14	0.96
	100-yer			932.15	0.95
IPL2A01	2-year	907.91	903.91	905.21	2.70
	5-year			905.50	2.41
	10-year			905.61	2.30
	25-year			905.74	2.17
	50-year			905.83	2.08
	100-yer			905.94	1.97
IPL2A02	2-year	921.83	916.83	917.38	4.45
	5-year			917.47	4.36
	10-year			917.51	4.32
	25-year			917.57	4.26
	50-year			917.61	4.22
	100-yer			917.65	4.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL2A03	2-year	923.12	917.54	919.46	3.66
	5-year			920.52	2.60
	10-year			921.88	1.24
	25-year			922.22	0.90
	50-year			922.26	0.86
	100-yer			922.31	0.81
IPL2A04	2-year	924.24	917.99	920.03	4.21
	5-year			921.74	2.50
	10-year			922.38	1.86
	25-year			922.45	1.79
	50-year			922.47	1.77
	100-yer			922.50	1.74
IPL2A05	2-year	923.52	918.27	921.60	1.92
	5-year			921.89	1.63
	10-year			922.39	1.13
	25-year			922.46	1.06
	50-year			922.49	1.03
	100-yer			922.52	1.00
IPL401	2-year	908.00	901.03	902.18	5.82
	5-year			902.38	5.62
	10-year			902.44	5.56
	25-year			902.52	5.48
	50-year			902.64	5.36
	100-yer			902.90	5.10
IPL402	2-year	908.00	901.98	903.05	4.95
	5-year			903.33	4.67
	10-year			903.41	4.59
	25-year			903.57	4.43
	50-year			903.80	4.20
	100-yer			903.90	4.10
IPL403	2-year	908.81	903.61	904.66	4.15
	5-year			904.84	3.97
	10-year			904.89	3.92
	25-year			904.98	3.83
	50-year			905.10	3.71
	100-yer			905.14	3.67
IPL404	2-year	909.69	903.86	905.23	4.46
	5-vear			905.48	4.21
	10-year			905.56	4.13
	25-year			905.73	3.96
	50-year			905.98	3.71
	100-yer			906.08	3.61
IPL405	2-vear	912.60	906.93	907.62	4.98
	5-year			907.76	4.84
	10-year			907.79	4.81
	25-vear			907.88	4.72
	50-year			907.96	4.64
	100-yer			908.00	4.60

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL406	2-year	916.60	910.27	911.50	5.10
	5-year			911.78	4.82
	10-year			911.85	4.75
	25-year			912.05	4.55
	50-year			912.29	4.31
	100-yer			912.43	4.17
IPL407	2-year	919.55	912.80	914.01	5.54
	5-year			914.41	5.14
	10-year			914.55	5.00
	25-year			915.77	3.78
	50-year			917.78	1.77
	100-yer			918.51	1.04
IPL408	2-year	925.93	919.35	920.63	5.30
	5-year			921.07	4.86
	10-year			921.64	4.29
	25-year			924.98	0.95
	50-year			925.07	0.86
	100-yer			925.10	0.83
IPL409	2-year	926.56	919.39	921.31	5.25
	5-year			922.17	4.39
	10-year			922.91	3.65
	25-year			924.94	1.62
	50-year			925.02	1.54
	100-yer			925.05	1.51
IPL410	2-year	926.69	919.61	921.93	4.76
	5-year			923.53	3.16
	10-year			924.48	2.21
	25-year			924.93	1.76
	50-year			924.98	1.71
	100-yer			925.01	1.68
IPL411	2-year	926.90	922.40	923.97	2.93
	5-year			925.07	1.83
	10-year			925.15	1.75
	25-year			925.22	1.68
	50-year			925.25	1.65
	100-yer			925.28	1.62
IPL501	2-year	906.00	900.00	901.20	4.80
	5-year			901.81	4.19
	10-year			902.14	3.86
	25-year			902.55	3.45
	50-year			902.83	3.17
	100-yer			903.13	2.87
IPL502	2-year	906.00	901.84	903.38	2.62
	5-year			903.68	2.32
	10-year			903.82	2.18
	25-year			903.96	2.04
	50-year			904.04	1.96
	100-yer			904.12	1.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL601	2-year	907.59	901.37	902.11	5.48
	5-year			902.94	4.65
	10-year			903.38	4.21
	25-year			903.92	3.67
	50-year			904.30	3.29
	100-yer			904.83	2.76
IPL602	2-year	907.66	901.77	903.52	4.14
	5-year			904.29	3.37
	10-year			904.66	3.00
	25-year			905.03	2.63
	50-year			905.23	2.43
	100-yer			905.44	2.22
IPL603	2-year	913.00	904.50	904.98	8.02
	5-year			905.10	7.90
	10-year			905.16	7.84
	25-year			905.22	7.78
	50-year			905.27	7.73
	100-yer			905.45	7.55
IPL604	2-year	914.72	905.30	906.41	8.31
	5-year			906.61	8.11
	10-year			906.71	8.01
	25-year			906.85	7.87
	50-year			906.94	7.78
	100-yer			907.05	7.67
IPL605	2-year	916.55	911.63	912.64	3.91
	5-year			912.89	3.66
	10-year			913.07	3.48
	25-year			913.45	3.10
	50-year			915.34	1.21
	100-yer			915.62	0.93
IPL6A01	2-year	914.43	906.85	911.82	2.61
	5-year			912.62	1.81
	10-year			912.68	1.75
	25-year			912.75	1.68
	50-year			912.80	1.63
	100-yer			912.86	1.57
IPL6A02	2-year	914.66	907.39	912.77	1.89
	5-year			913.04	1.62
	10-year			913.10	1.56
	25-year			913.16	1.50
	50-year			913.20	1.46
	100-yer			913.26	1.40
IPL6A03	2-year	914.34	908.01	912.77	1.57
	5-year			913.04	1.30
	10-year			913.10	1.24
	25-year			913.16	1.18
	50-year			913.20	1.14
	100-yer			913.26	1.08

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC02	2-year	898.50	887.24	892.55	5.95
	5-year			893.50	5.00
	10-year			893.98	4.52
	25-year			894.44	4.06
	50-year			894.79	3.71
	100-yer			895.24	3.26
IPMC03	2-year	898.50	887.40	892.55	5.95
	5-year			893.50	5.00
	10-year			894.00	4.50
	25-year			894.51	3.99
	50-year			894.87	3.63
	100-yer			895.33	3.17
IPMC04	2-year	903.00	891.21	895.63	7.37
	5-year			895.97	7.03
	10-year			896.13	6.87
	25-year			896.31	6.69
	50-year			896.42	6.58
	100-yer			896.55	6.45
IPMC05	2-year	903.00	891.75	895.90	7.10
	5-year			896.46	6.54
	10-year			896.74	6.26
	25-year			897.07	5.93
	50-year			897.29	5.71
	100-yer			897.52	5.48
IPMC06	2-year	909.00	892.00	896.11	12.89
	5-year			896.68	12.32
	10-year			896.96	12.04
	25-year			897.30	11.70
	50-year			897.51	11.49
	100-yer			897.75	11.25
IPMC07	2-year	909.00	892.50	896.11	12.89
	5-year			896.70	12.30
	10-year			897.00	12.00
	25-year			897.35	11.65
	50-year			897.59	11.41
	100-yer			897.85	11.15
IPMC08	2-year	913.00	896.15	900.01	12.99
	5-year			900.21	12.79
	10-year			900.30	12.70
	25-year			900.41	12.59
	50-year			900.50	12.50
	100-yer			900.60	12.40
IPMC09	2-year	913.00	896.30	900.69	12.31
	5-year			901.21	11.79
	10-year			901.53	11.47
	25-year			901.94	11.06
	50-year			902.23	10.77
	100-yer			902.54	10.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC10	2-year	912.00	896.50	900.93	11.07
	5-year			901.54	10.46
	10-year			901.88	10.12
	25-year			902.30	9.70
	50-year			902.59	9.41
	100-yer			902.90	9.10
IPMC11	2-year	912.00	897.01	900.93	11.07
	5-year			901.54	10.46
	10-year			901.88	10.12
	25-year			902.29	9.71
	50-year			902.58	9.42
	100-yer			902.90	9.10
IPMC12	2-year	906.00	897.98	901.20	4.80
	5-year			901.81	4.19
	10-year			902.14	3.86
	25-year			902.55	3.45
	50-year			902.83	3.17
	100-yer			903.13	2.87
IPMC13	2-vear	908.00	899.05	902.10	5.90
	5-vear			902.94	5.06
	10-vear			903.38	4.62
	25-vear			903.92	4.08
	50-vear			904.30	3.70
	100-ver			904.83	3.17
IPMC14	2-vear	911.00	901.49	906.35	4.65
	5-vear			907.16	3.84
	10-vear			907.56	3.44
	25-vear			908.08	2.92
	50-vear			908.41	2.59
	100-ver			908.82	2.18
IPMC15	2-vear	911.00	902.00	906.34	4.66
	5-vear	011100	002.00	907 22	3 78
	10-vear			907.68	3.32
	25-vear			908.22	2 78
	50-vear			908 54	2.70
	100-ver			908.95	2.05
IPMC16	2-vear	912 00	903 73	907 26	4 74
	5-vear	012.00	000.70	908.07	3 93
	10-vear			908.49	3 51
	25-year			909.49	3.01
	50-year			909.30	2 68
	100-ver			909.73	2.00
IPMC17	2-vear	912 00	903 90	907 33	4 67
	5-vear	512.00	505.50	007.33 008.16	07 2 8/
	10-vear			002.10 008.62	2.04
	25-vear			900.02 900.16	2.30
	50-vear			000.10 000 / R	2.04
	100-year			000.40	2.02
	roo-yei			909.90	2.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC18	2-year	913.00	904.00	907.69	5.31
	5-year			908.47	4.53
	10-year			908.90	4.10
	25-year			909.42	3.58
	50-year			909.74	3.26
	100-yer			910.15	2.85
IPMC19	2-year	913.00	904.08	907.73	5.27
	5-year			908.55	4.45
	10-year			909.09	3.91
	25-year			909.65	3.35
	50-year			909.99	3.01
	100-yer			910.44	2.56
IPMC20	2-year	913.52	906.02	907.88	5.64
	5-year			908.66	4.86
	10-year			909.16	4.36
	25-year			909.72	3.80
	50-year			910.06	3.46
	100-yer			910.50	3.02
LWL101	2-vear	930.00	910.43	911.89	18.11
	5-vear		0.01.0	912.14	17.86
	10-vear			912.28	17 72
	25-year			912.42	17.58
	50-year			912.52	17.48
	100-ver			912.65	17.35
I WMC01	2-vear	890.00	862.03	866.32	23.68
	5-vear		002.00	867.66	22.34
	10-vear			868.54	21.46
	25-year			869.53	20.47
	50-year			870.06	19.94
	100-ver			870.85	19.15
LWMC02	2-vear	890.00	866.22	871.95	18.05
	5-vear	000.00	000.22	873.45	16.55
	10-vear			874.41	15.50
	25-vear			875.48	14.52
	50-vear			876.03	13.02
	100-year			876.87	13.37
	2-vear	800 00	868 75	872 04	17.06
	2-year 5-year	090.00	000.75	012.04 972 52	16.47
	10-year			Q71 10	10.47
	25-vear			014.40 975 55	10.02
	20-year			876 10	14.40
	100-year			876.05	13.90
	2-vear	801 00	Q71 GO	QQ1 Q1	0.10
	z-yeai 5-year	091.00	074.00	001.01	9.19
	10-year			002.00	0.12
	25-year			003.41	۲.09 ۵.01
	20-year			004.19 001 EE	0.01 6 / E
	100-year			004.00 204.00	0.40 6 06
	roo-yer			004.94	0.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
LWMC05	2-year	896.10	878.13	884.42	11.68
	5-year			886.40	9.70
	10-year			887.59	8.51
	25-year			889.58	6.52
	50-year			890.46	5.64
	100-yer			891.24	4.86
LWMC06	2-year	896.10	878.42	884.70	11.40
	5-year			886.65	9.46
	10-year			887.84	8.26
	25-year			889.77	6.33
	50-year			890.64	5.46
	100-yer			891.45	4.65
LWMC07	2-year	907.00	879.11	886.28	20.72
	5-year			887.87	19.13
	10-year			888.96	18.05
	25-year			890.80	16.20
	50-year			892.03	14.97
	100-yer			892.93	14.07
LWMC08	2-vear	907.00	879.55	886.56	20.44
	5-vear			888.26	18.74
	10-vear			889.41	17.59
	25-vear			891.24	15.76
	50-vear			892.43	14.57
	100-ver			893.39	13.61
LWMC09	2-vear	898.30	884.30	891.80	6.50
	5-vear			893.04	5.26
	10-vear			893.52	4.78
	25-year			893.94	4.36
	50-year			894.15	4.15
	100-ver			894.68	3.62
LWMC10	2-vear	902.00	887 16	891 47	10.53
LUNIOTO	5-vear	002.00	007.10	892.60	9.40
	10-vear			893.06	8 94
	25-vear			803.38	8.62
	50-vear			803.50	8.02
	100-year			803.73	8 27
	2-vear	002.00	887 <i>1</i> 7	201 F7	10 /2
	2-year	902.00	007.47	802.65	0.45
	10-year			2032.00 202.10	9.00 Q QQ
	25-vear			203.12 202.12	0.00 Q 55
	20-year			2033.40 203 63	0.00 72 Q
	100-year			090.00 802.00	0.37 Q 16
	2-voor	020.00	000 000	000.04	0.10
	z-yeai 5-year	920.00	090.29	900.30	19.04
	10-year			900.83	19.17
	25 year			901.04	10.90
	25-year			901.30	18.70
	100 year			901.44	10.00
	100-yer			901.62	18.38

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
LWMC13	2-year	930.00	905.80	906.72	23.28
	5-year			906.87	23.13
	10-year			906.95	23.05
	25-year			907.05	22.95
	50-year			907.12	22.88
	100-yer			907.21	22.79
LWMC14	2-year	930.00	911.74	912.25	17.75
	5-year			912.33	17.67
	10-year			912.37	17.63
	25-year			912.42	17.58
	50-year			912.45	17.55
	100-yer			912.49	17.51
NCL101	2-year	896.70	886.70	892.26	4.44
	5-year			892.62	4.08
	10-year			892.80	3.90
	25-year			892.98	3.72
	50-year			893.07	3.63
	100-yer			893.25	3.45
NCL201	2-vear	898.00	890.35	891.37	6.63
	5-vear			891.56	6.44
	10-vear			891.65	6.35
	25-vear			891.77	6.23
	50-vear			891.84	6.16
	100-ver			891.93	6.07
NCL202	2-vear	909.00	901.00	901.69	7.31
	5-vear			901.82	7.18
	10-vear			901.88	7.12
	25-vear			901.95	7.05
	50-vear			902.00	7.00
	100-ver			902.07	6.93
NCI 401	2-vear	908.00	898.00	898.98	9.02
	5-vear	000100		899.18	8.82
	10-vear			899.27	8 73
	25-vear			899.39	8.61
	50-vear			899.47	8 53
	100-ver			899.57	8 43
	2-vear	927 70	010 70	920.21	7 /0
	5-vear	521.10	513.70	920.21	7 41
	10-vear			920.23	7.37
	25-vear			920.33	7 32
	50-vear			920.30	7.32
	100-ver			920.41	7.25
NCI 403	2_vear	026 00	020 24	020.40	1 67
1101-103	z-year 5-vear	320.00	320.34	024.33	1.07
	10-year			924.00	1.42
	25-vear			924.09	1.31
	20-year			324.02 024.00	1.10
	100-year			924.90	1.10
	roo-yer			920.01	0.99

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCL404	2-year	926.10	920.77	924.34	1.76
	5-year			924.59	1.51
	10-year			924.70	1.40
	25-year			924.82	1.28
	50-year			924.91	1.19
	100-yer			925.02	1.08
NCL405	2-year	927.42	922.50	925.40	2.02
	5-year			926.45	0.97
	10-year			926.50	0.92
	25-year			926.54	0.88
	50-year			926.57	0.85
	100-yer			926.60	0.82
NCL4A01	2-year	926.01	921.46	924.44	1.57
	5-year			924.63	1.38
	10-year			924.73	1.28
	25-year			924.86	1.15
	50-year			924.94	1.07
	100-yer			925.05	0.96
NCL4B01	2-vear	927.75	923.75	925.84	1.91
	5-vear			925.90	1.85
	10-vear			925.93	1.82
	25-vear			925.96	1.79
	50-vear			925.99	1.76
	100-ver			926.02	1.73
NCL4C01	2-vear	926.46	921.46	924.34	2.12
	5-vear			924.59	1.87
	10-vear			924.70	1.76
	25-vear			924.82	1.64
	50-vear			924.91	1.55
	100-ver			925.02	1.44
NCI 4D01	2-vear	927 56	922 56	925.63	1.93
1021201	5-vear	021100	022.00	926 70	0.86
	10-vear			926 74	0.82
	25-vear			926 79	0.02
	50-vear			926.82	0.74
	100-ver			926.85	0.71
NCI 500	2-vear	916 12	906 12	908.65	7 47
NOLOGO	5-vear	010.12	000.12	908.83	7.9
	10-vear			908.03	7.23
	25-year			909.04	7.10
	50-year			909.11	7.00
	100-ver			909.19	6 93
NCI 501	2-vear	035 01	922 00	Q24 /1	11 50
	5-vear	000.01	522.00	924.41	11.30
	10-vear			024.01 024.70	11.30
	25-vear			924.70 Q2/ 80	11.21
	50-vear			024.00 021 87	11.11
	100-year			024.07	11.04
	roo-yei			924.90	10.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCL502	2-year	934.00	924.00	924.79	9.21
	5-year			925.18	8.82
	10-year			925.43	8.57
	25-year			925.74	8.26
	50-year			925.96	8.04
	100-yer			926.25	7.75
NCL503	2-year	972.00	961.73	962.14	9.86
	5-year			962.32	9.68
	10-year			962.42	9.58
	25-year			962.54	9.46
	50-year			962.62	9.38
	100-yer			962.72	9.28
NCMC01	2-year	890.00	868.00	874.95	15.05
	5-year			876.47	13.53
	10-year			876.96	13.04
	25-year			878.18	11.82
	50-vear			878.94	11.06
	100-yer			879.78	10.22
NCMC02	2-vear	899.08	877.70	884.70	14.38
	5-vear		0	886.24	12.84
	10-vear			886 75	12.33
	25-year			888.04	11.04
	50-vear			888 89	10 19
	100-ver			889.88	9.20
NCMC03	2-vear	907.00	882.76	887.49	19.51
	5-vear		002.10	888.46	18.54
	10-vear			888.82	18.18
	25-year			890.01	16.99
	50-vear			890.97	16.03
	100-ver			891.79	15.21
NCMC04	2-vear	907.00	882 89	887.56	19 44
TTOMOUT	5-vear	007.00	002.00	888.55	18.45
	10-vear			888.91	18.10
	25-vear			890.09	16.00
	50-vear			891.05	15.01
	100-ver			891.87	15.30
NCMC05	2-vear	QU7 03	35 388	802.78	12 15
	5-vear	504.55	000.00	893.47	11.15
	10-vear			803.47	11.40
	25-vear			80/ 12	10.20
	50-vear			804.13	10.00
	100-ver			894.02	10.01
	2-vezr	001 88	880 88	805 50	6 22
	5-vear	301.00	009.00	805.00	5.04
	10-vear			806 NR	5.94
	25-vear			806.00	5.00
	50-vear			200.42 206 63	5.40
	100-year			808.88	5.25
	roo-yei			090.00	5.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCMC07	2-year	904.69	894.60	898.35	6.34
	5-year			898.46	6.23
	10-year			899.22	5.47
	25-year			899.54	5.15
	50-year			899.74	4.95
	100-yer			900.00	4.69
NCMC08	2-year	907.00	894.65	898.99	8.01
	5-year			899.82	7.18
	10-year			900.55	6.45
	25-year			901.31	5.69
	50-year			901.85	5.15
	100-yer			902.45	4.55
NCMC09	2-year	910.00	897.35	903.28	6.72
	5-year			903.77	6.23
	10-year			903.98	6.02
	25-year			904.15	5.85
	50-year			904.28	5.72
	100-yer			904.43	5.57
NCMC10	2-year	910.00	899.37	903.72	6.28
	5-year			904.44	5.56
	10-year			904.76	5.24
	25-year			905.11	4.89
	50-year			905.35	4.65
	100-yer			905.63	4.37
NCMC11	2-year	910.00	900.82	904.95	5.05
	5-year			905.39	4.61
	10-year			905.61	4.39
	25-year			905.86	4.14
	50-year			906.04	3.96
	100-yer			906.27	3.73
NCMC12	2-year	913.00	903.48	907.36	5.64
	5-year			907.76	5.24
	10-year			907.91	5.09
	25-year			908.09	4.91
	50-year			908.22	4.78
	100-yer			908.39	4.61
NCMC13	2-year	915.00	906.50	910.39	4.61
	5-year			910.56	4.44
	10-year			910.62	4.38
	25-year			910.74	4.26
	50-year			910.87	4.13
	100-yer			911.04	3.96
NCMC14	2-year	891.93	873.93	881.59	10.34
	5-year			883.14	8.79
	10-year			883.65	8.28
	25-year			884.87	7.06
	50-year			885.64	6.29
	100-yer			886.48	5.45

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCMC15	2-year	896.33	874.00	888.28	8.05
	5-year			889.27	7.06
	10-year			889.60	6.73
	25-year			890.48	5.85
	50-year			891.06	5.27
	100-yer			891.72	4.61
POL102	2-year	925.09	919.01	919.39	5.70
	5-year			919.48	5.61
	10-year			919.52	5.57
	25-year			919.58	5.51
	50-year			919.62	5.47
	100-yer			919.67	5.42
POL103	2-year	926.32	920.49	921.73	4.59
	5-year			922.00	4.32
	10-year			922.11	4.21
	25-year			922.32	4.00
	50-year			922.49	3.83
	100-yer			922.75	3.57
POL104	2-year	927.00	921.92	922.83	4.17
	5-year			923.04	3.96
	10-year			923.13	3.87
	25-year			923.28	3.72
	50-year			923.43	3.57
	100-yer			923.68	3.32
POL105	2-year	932.05	927.30	928.58	3.47
	5-year			928.92	3.13
	10-year			929.07	2.98
	25-year			929.39	2.66
	50-year			930.20	1.85
	100-yer			931.09	0.96
POL106	2-year	932.55	928.38	929.02	3.53
	5-year			929.17	3.38
	10-year			929.29	3.26
	25-year			929.56	2.99
	50-year			930.09	2.46
	100-yer			931.29	1.26
POL107	2-year	934.28	930.49	931.59	2.69
	5-year			931.87	2.41
	10-year			931.99	2.29
	25-year			932.18	2.10
	50-year			932.30	1.98
	100-yer			932.46	1.82
POL108	2-year	934.57	931.07	932.73	1.84
	5-year			933.53	1.04
	10-year			933.66	0.91
	25-year			933.76	0.81
	50-year			933.81	0.76
	100-yer			933.89	0.68

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POL109	2-year	935.52	931.69	932.82	2.70
	5-year			933.81	1.71
	10-year			934.11	1.41
	25-year			934.38	1.14
	50-year			934.55	0.97
	100-yer			934.60	0.92
POL110	2-year	935.55	932.35	933.15	2.40
	5-year			933.82	1.73
	10-year			934.23	1.32
	25-year			934.65	0.90
	50-year			934.74	0.81
	100-yer			934.79	0.76
POL201	2-year	910.50	906.08	906.91	3.59
	5-year			907.04	3.46
	10-year			907.15	3.35
	25-year			907.41	3.09
	50-year			907.58	2.92
	100-yer			907.85	2.65
POL301	2-year	919.05	913.80	917.77	1.28
	5-year			917.93	1.12
	10-year			918.01	1.04
	25-year			918.11	0.94
	50-year			918.17	0.88
	100-yer			918.26	0.79
POL302	2-year	919.77	914.77	915.80	3.98
	5-year			916.19	3.58
	10-year			916.43	3.34
	25-year			916.74	3.03
	50-year			916.95	2.82
	100-yer			917.24	2.53
POL303	2-year	940.00	931.00	931.22	8.78
	5-year			931.27	8.73
	10-year			931.30	8.70
	25-year			931.33	8.67
	50-year			931.35	8.65
	100-yer			931.38	8.62
POL304	2-year	937.24	931.41	935.18	2.06
	5-year			936.41	0.83
	10-year			936.49	0.75
	25-year			936.56	0.68
	50-year			936.61	0.63
	100-yer			936.67	0.57
POL305	2-year	939.94	934.27	935.94	4.00
	5-year			938.12	1.82
	10-year			938.63	1.31
	25-year			938.99	0.95
	50-year			939.03	0.91
	100-yer			939.06	0.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POL306	2-year	942.07	939.07	939.80	2.27
	5-year			940.04	2.03
	10-year			940.24	1.83
	25-year			940.62	1.45
	50-year			940.84	1.23
	100-yer			941.12	0.95
POL401	2-year	935.00	927.31	928.20	6.80
	5-year			928.42	6.58
	10-year			928.53	6.47
	25-year			928.69	6.31
	50-year			928.80	6.20
	100-yer			928.95	6.05
POL402	2-year	935.53	927.31	928.20	7.33
	5-year			928.42	7.11
	10-year			928.53	7.00
	25-vear			928.69	6.84
	50-vear			928.80	6.73
	100-yer			928.95	6.58
POL403	2-vear	936.12	930.70	932.06	4.06
	5-vear			932.59	3.53
	10-vear			934 39	1 73
	25-year			935.20	0.92
	50-year			935.25	0.87
	100-ver			935.29	0.83
POL404	2-vear	937.42	932.17	933.56	3.86
	5-vear		002	934.37	3.05
	10-vear			936.49	0.93
	25-year			936.58	0.84
	50-year			936.61	0.81
	100-ver			936.65	0.77
POI 405	2-vear	938 15	933 15	934 57	3 58
1 02100	5-vear	000.10	000.10	935.80	2.35
	10-vear			937.30	0.85
	25-vear			937.35	0.80
	50-vear			937 38	0.00
	100-ver			937.41	0.74
	2-vear	930.00	027 31	928.20	1.80
	2-year	930.00	927.31	920.20	1.00
	10-year			320.42 028 52	1.30
	25-vear			920.00	1.47
	20-year			320.09 028 80	1.31
	100-year			028 05	1.20
	2-vear	030 20	025 70	006 74	2.46
	z-yeai 5-year	930.20	920.70	920.74	ى.40 2.04
	10-year			320.39 007 10	ی. ۲ م
	25-vear			921.12 027.20	3.00 2.00
	20-year			321.20 007.20	2.92
	100-year			921.39	2.01
	roo-yer			927.92	∠.08

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POL502	2-year	932.00	926.08	930.13	1.87
	5-year			930.21	1.79
	10-year			930.25	1.75
	25-year			930.31	1.69
	50-year			930.34	1.66
	100-yer			930.39	1.61
POL503	2-year	932.80	927.97	930.13	2.67
	5-year			930.21	2.59
	10-year			930.25	2.55
	25-year			930.31	2.49
	50-year			930.34	2.46
	100-yer			930.39	2.41
POL601	2-year	936.08	930.75	932.64	3.44
	5-year			933.55	2.53
	10-year			933.71	2.37
	25-year			933.89	2.19
	50-vear			934.01	2.07
	100-yer			934.13	1.95
POMC01	2-vear	898.30	888.30	891.34	6.96
	5-vear			891.86	6.44
	10-vear			892.16	6 14
	25-year			892.67	5.63
	50-year			892.98	5.32
	100-ver			893.30	5.00
POMC02	2-vear	909.87	899.87	902.19	7.68
	5-vear			902.60	7.27
	10-vear			902.79	7.08
	25-year			902.98	6.89
	50-year			903.10	6 77
	100-ver			903.22	6.65
POMC03	2-vear	912 40	902 40	906.41	5 99
	5-vear	012.40	002.40	906.90	5 50
	10-vear			907.05	5 35
	25-vear			907.00	5 17
	50-vear			907.20	5.06
	100-ver			907.52	4 88
	2_vezr	010 00	002 00	007.02 006.45	4.30 A A 5
	2-year 5-year	310.30	302.30	900.45	3 95
	10-year			00.35 007 12	3.35
	25-vear			907.13	3.77
	50-vear			907.59	2.21
	100-ver			907.30	3.04
	2-vezr	Q1/L 00	00 200	007.00 006.01	7.00
	5-vear	314.00	300.00	007 04	80.7 20 3
	10-vear			007.04 007.14	26.0 28 A
	25-vear			907.14 907.14	6 50
	50-vear			007.41	6.75
	100-year			007.30 007.85	6 15
1	100-yei			301.00	0.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POMC06	2-year	915.00	908.31	909.88	5.12
	5-year			910.11	4.89
	10-year			910.24	4.76
	25-year			910.49	4.51
	50-year			910.61	4.39
	100-yer			910.76	4.24
POMC07	2-year	918.60	908.60	910.36	8.24
	5-year			910.69	7.91
	10-year			910.91	7.69
	25-year			911.70	6.90
	50-year			912.19	6.41
	100-yer			912.96	5.64
POMC08	2-year	919.60	909.60	911.23	8.37
	5-year			911.50	8.10
	10-year			911.69	7.91
	25-year			912.18	7.42
	50-year			912.50	7.10
	100-yer			913.10	6.50
POMC09	2-vear	916.47	910.30	912.28	4.19
	5-vear			912.78	3.69
	10-vear			913.10	3.37
	25-vear			914.13	2.34
	50-vear			914.77	1.70
	100-ver			915.20	1.27
POMC10	2-vear	919.00	911.46	913.16	5.84
	5-vear			913.39	5.61
	10-vear			913.52	5.48
	25-year			914.22	4.78
	50-year			914.81	4.19
	100-ver			915.24	3.76
POMC11	2-vear	919.60	911 60	913 20	6 40
	5-vear	010.00	011.00	913 44	6.16
	10-vear			913.61	5 99
	25-vear			914.32	5 28
	50-vear			914.97	4 63
	100-ver			915 53	4.03
	2_vezr	020 00	012 00	013.00	۹.07 ۵.74
	5-vear	320.00	312.00	012 57	6 /2
	10-year			012.01	6.00
	25-vear			01/ 51	5.09
	50-vear			914.01 015.00	0.49 1 01
	100-year			015 61	4.31
	2-vear	022.14	012 14	015.01	4.59
	2-year	922.14	912.14	016 /6	0.00
	10-year			910.40 016 75	5.08 5.00
	25 year			910.75	5.39
	20-year			917.00	0.08
	100 year			917.24	4.90
	roo-yer			917.47	4.07

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POMC14	2-year	935.00	921.14	921.60	13.40
	5-year			921.72	13.28
	10-year			921.78	13.22
	25-year			921.86	13.14
	50-year			921.91	13.09
	100-yer			921.98	13.02
POMC15	2-year	930.00	925.20	926.51	3.49
	5-year			926.71	3.29
	10-year			926.81	3.19
	25-year			926.93	3.07
	50-year			927.01	2.99
	100-yer			927.11	2.89
POMC16	2-year	934.14	926.50	927.44	6.70
	5-year			927.63	6.51
	10-year			927.72	6.42
	25-year			927.84	6.30
	50-year			927.92	6.22
	100-yer			928.01	6.13
POMC17	2-year	934.22	930.22	932.64	1.58
	5-year			933.55	0.67
	10-year			933.71	0.51
	25-year			933.89	0.33
	50-year			934.00	0.22
	100-yer			934.13	0.09
POMC18	2-year	936.94	930.58	935.47	1.47
	5-year			936.17	0.77
	10-year			936.25	0.69
	25-year			936.34	0.60
	50-year			936.40	0.54
	100-yer			936.47	0.47
POMC19	2-year	937.00	931.42	935.47	1.53
	5-vear			936.18	0.82
	10-year			936.25	0.75
	25-year			936.34	0.66
	50-year			936.40	0.60
	100-yer			936.47	0.53
PRL101	2-year	890.00	878.04	878.45	11.55
	5-year			878.77	11.23
	10-year			879.12	10.88
	25-year			879.55	10.45
	50-year			879.79	10.21
	100-yer			880.16	9.84
PRL102	2-year	891.00	878.67	880.44	10.56
	5-year			881.04	9.96
	10-year			881.40	9.60
	25-vear			882.13	8.87
	50-year			883.38	7.62
	100-yer			890.01	0.99

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL103	2-year	891.08	879.50	880.52	10.56
	5-year			881.04	10.04
	10-year			881.40	9.68
	25-year			882.17	8.91
	50-year			883.43	7.65
	100-yer			890.17	0.91
PRL104	2-year	893.48	883.91	884.80	8.68
	5-year			885.01	8.47
	10-year			885.12	8.36
	25-year			885.26	8.22
	50-year			885.37	8.11
	100-yer			891.31	2.17
PRL105	2-year	893.51	884.74	885.60	7.91
	5-year			885.80	7.71
	10-year			885.91	7.60
	25-year			886.04	7.47
	50-year			886.15	7.36
	100-yer			891.50	2.01
PRL106	2-year	893.65	886.82	887.77	5.88
	5-year			888.00	5.65
	10-year			888.14	5.51
	25-year			888.34	5.31
	50-year			888.52	5.13
	100-yer			892.73	0.92
PRL107	2-year	893.71	887.31	888.41	5.30
	5-year			888.68	5.03
	10-year			888.84	4.87
	25-year			889.09	4.62
	50-year			889.41	4.30
	100-yer			892.96	0.75
PRL201	2-year	889.00	877.77	879.45	9.55
	5-year			879.81	9.19
	10-year			880.00	9.00
	25-year			880.22	8.78
	50-year			880.37	8.63
	100-yer			880.55	8.45
PRL202	2-year	889.00	879.90	882.08	6.92
	5-year			882.79	6.21
	10-year			883.17	5.83
	25-year			883.65	5.35
	50-year			883.98	5.02
	100-yer			884.40	4.60
PRL203	2-year	894.00	881.77	884.14	9.86
	- 5-year			884.63	9.37
	10-year			884.81	9.19
	25-year			885.03	8.97
	50-year			885.28	8.72
	100-yer			885.55	8.45

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL204	2-year	894.00	888.86	890.30	3.70
	5-year			890.60	3.40
	10-year			890.75	3.25
	25-year			890.93	3.07
	50-year			891.10	2.90
	100-yer			891.28	2.72
PRL205	2-year	894.29	889.04	890.50	3.79
	5-year			890.79	3.50
	10-year			890.94	3.35
	25-year			891.11	3.18
	50-year			891.25	3.04
	100-yer			891.42	2.87
PRL206	2-year	895.21	889.96	891.32	3.89
	5-year			891.70	3.51
	10-year			891.90	3.31
	25-year			892.16	3.05
	50-year			892.34	2.87
	100-yer			892.56	2.65
PRL207	2-year	897.00	891.00	892.60	4.40
	5-year			892.88	4.12
	10-year			893.03	3.97
	25-year			893.20	3.80
	50-year			893.33	3.67
	100-yer			893.48	3.52
PRL208	2-year	900.83	893.42	895.84	4.99
	5-year			896.70	4.13
	10-year			897.58	3.25
	25-year			899.08	1.75
	50-year			899.20	1.63
	100-yer			899.33	1.50
PRL209	2-year	900.89	893.97	899.47	1.42
	5-vear			899.76	1.13
	10-year			899.93	0.96
	25-year			900.15	0.74
	50-year			900.26	0.63
	100-yer			900.41	0.48
PRL210	2-vear	902.78	895.57	901.25	1.53
	5-vear			901.42	1.36
	10-vear			901.50	1.28
	25-vear			901.61	1.17
	50-year			901.69	1.09
	100-yer			901.78	1.00
PRL211	2-year	902.83	895.58	901.55	1.28
	5-year			901.78	1.05
	10-year			901.91	0.92
	25-vear			902.06	0.77
	50-year			902.17	0.66
	100-yer			902.32	0.51

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL212	2-year	904.26	897.68	902.76	1.50
	5-year			902.92	1.34
	10-year			903.01	1.25
	25-year			903.12	1.14
	50-year			903.20	1.06
	100-yer			903.29	0.97
PRL213	2-year	904.62	898.20	902.98	1.64
	5-year			903.13	1.49
	10-year			903.22	1.40
	25-year			903.33	1.29
	50-year			903.40	1.22
	100-yer			903.50	1.12
PRL214	2-year	911.73	906.73	911.01	0.72
	5-year			911.12	0.61
	10-year			911.18	0.55
	25-year			911.26	0.47
	50-year			911.31	0.42
	100-yer			911.37	0.36
PRL215	2-year	913.56	907.39	911.89	1.67
	5-year			912.02	1.54
	10-year			912.09	1.47
	25-year			912.17	1.39
	50-year			912.23	1.33
	100-yer			912.30	1.26
PRL216	2-year	913.69	907.69	912.24	1.45
	5-year			912.40	1.30
	10-year			912.48	1.21
	25-year			912.58	1.11
	50-year			912.65	1.04
	100-yer			912.74	0.95
PRL217	2-year	916.99	909.24	915.17	1.82
	5-year			915.26	1.73
	10-year			915.31	1.68
	25-year			915.37	1.62
	50-year			915.41	1.58
	100-yer			915.46	1.53
PRL218	2-year	917.39	910.72	916.48	0.91
	5-year			916.57	0.82
	10-year			916.61	0.78
	25-year			916.66	0.73
	50-year			916.70	0.69
	100-yer			916.74	0.65
PRL2A01	2-year	912.97	909.14	912.12	0.85
	5-year			912.19	0.78
	10-year			912.22	0.75
	25-year			912.27	0.70
	50-year			912.30	0.67
	100-yer			912.34	0.63

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL301	2-year	907.00	901.92	905.29	1.71
	5-year			905.67	1.33
	10-year			905.82	1.18
	25-year			906.00	1.00
	50-year			906.12	0.88
	100-yer			906.26	0.74
PRL302	2-year	907.29	902.29	905.65	1.64
	5-year			905.86	1.43
	10-year			905.98	1.31
	25-year			906.13	1.16
	50-year			906.23	1.06
	100-yer			906.35	0.94
PRL303	2-year	912.12	904.79	907.99	4.13
	5-year			910.20	1.92
	10-year			910.30	1.82
	25-year			910.39	1.73
	50-year			910.45	1.67
	100-yer			910.51	1.61
PRL304	2-year	911.16	904.94	908.89	2.27
	5-year			910.65	0.51
	10-year			910.74	0.42
	25-year			910.84	0.32
	50-year			910.91	0.25
	100-yer			911.00	0.16
PRL305	2-year	912.93	907.35	909.12	3.81
	5-year			911.82	1.11
	10-year			912.05	0.88
	25-year			912.16	0.77
	50-year			912.23	0.70
	100-yer			912.30	0.63
PRL306	2-year	913.29	908.21	908.71	4.58
	5-year			908.81	4.48
	10-year			908.86	4.43
	25-year			908.93	4.36
	50-year			908.97	4.32
	100-yer			909.04	4.25
PRL307	2-year	918.11	913.61	914.12	3.99
	5-year			914.22	3.89
	10-year			914.28	3.83
	25-year			914.35	3.76
	50-year			914.40	3.71
	100-yer			914.46	3.65
PRL401	2-year	927.67	923.25	923.81	3.86
	5-year			923.92	3.75
	10-year			923.98	3.69
	25-year			924.05	3.62
	50-year			924.10	3.57
	100-yer			924.17	3.50

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC00	2-year	874.00	861.41	863.85	10.15
	5-year			864.45	9.55
	10-year			864.75	9.25
	25-year			865.06	8.94
	50-year			865.23	8.77
	100-yer			865.47	8.53
PRMC01	2-year	905.00	869.97	872.42	32.58
	5-year			873.03	31.97
	10-year			873.31	31.69
	25-year			873.63	31.37
	50-year			873.80	31.20
	100-yer			874.04	30.96
PRMC02	2-year	905.00	871.81	874.17	30.83
	5-year			875.01	29.99
	10-year			875.44	29.56
	25-year			875.92	29.08
	50-year			876.18	28.82
	100-yer			876.56	28.44
PRMC03	2-year	905.00	873.16	875.52	29.48
	5-year			876.38	28.62
	10-year			876.84	28.16
	25-year			877.35	27.65
	50-year			877.63	27.37
	100-yer			878.05	26.95
PRMC04	2-year	905.08	874.91	877.27	27.81
	5-year			878.13	26.95
	10-year			878.60	26.48
	25-year			879.13	25.95
	50-year			879.43	25.65
	100-yer			879.87	25.21
PRMC05	2-year	888.00	875.00	878.06	9.94
	5-vear			878.76	9.24
	10-year			879.12	8.88
	25-year			879.54	8.46
	50-year			879.79	8.21
	100-yer			880.16	7.84
PRMC06	2-year	889.00	876.00	878.03	10.97
	5-year			878.72	10.28
	10-year			879.09	9.91
	25-year			879.51	9.49
	50-year			879.76	9.24
	100-yer			880.14	8.86
PRMC07	2-year	889.00	878.81	880.82	8.18
	5-year			881.18	7.82
	10-year			881.47	7.53
	25-year			881.61	7.39
	50-year			881.70	7.30
	100-yer			881.97	7.03

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC08	2-year	891.00	881.40	882.64	8.36
	5-year			882.90	8.10
	10-year			883.04	7.96
	25-year			883.10	7.90
	50-year			883.15	7.85
	100-yer			883.28	7.72
PRMC09	2-year	892.00	883.33	886.01	5.99
	5-year			886.78	5.22
	10-year			887.77	4.23
	25-year			889.15	2.85
	50-year			889.94	2.06
	100-yer			890.53	1.47
PRMC10	2-year	893.04	885.04	886.88	6.16
	5-year			887.55	5.49
	10-year			888.51	4.53
	25-year			890.23	2.81
	50-year			890.80	2.24
	100-yer			891.21	1.83
PRMC11	2-year	894.56	886.56	888.84	5.72
	5-year			889.20	5.36
	10-year			889.25	5.31
	25-year			890.31	4.25
	50-year			890.84	3.72
	100-yer			891.24	3.32
PRMC12	2-year	892.00	887.00	890.43	1.57
	5-year			890.83	1.17
	10-year			890.99	1.01
	25-year			891.24	0.76
	50-year			891.39	0.61
	100-yer			891.57	0.43
PRMC13	2-year	894.00	887.24	890.43	3.57
	5-year			890.83	3.17
	10-year			890.99	3.01
	25-year			891.24	2.76
	50-year			891.39	2.61
	100-yer			891.58	2.42
PRMC14	2-year	894.00	887.37	891.25	2.75
	5-year			891.91	2.09
	10-year			892.12	1.88
	25-year			892.58	1.42
	50-year			892.91	1.09
	100-yer			893.35	0.65
PRMC15	2-year	899.00	889.60	891.82	7.18
	- 5-year			892.33	6.67
	10-year			892.58	6.42
	25-year			892.95	6.05
	50-year			893.18	5.82
	100-yer			893.51	5.49

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC16	2-year	910.00	899.57	902.29	7.71
	5-year			902.88	7.12
	10-year			903.22	6.78
	25-year			903.63	6.37
	50-year			903.92	6.08
	100-yer			904.32	5.68
PRMC17	2-year	914.36	909.36	910.23	4.13
	5-year			910.37	3.99
	10-year			910.44	3.92
	25-year			910.53	3.83
	50-year			910.59	3.77
	100-yer			910.67	3.69
PRMC18	2-year	914.00	909.50	913.50	0.50
	5-year			913.65	0.35
	10-year			913.73	0.27
	25-year			913.83	0.17
	50-year			913.89	0.11
	100-yer			913.98	0.02
PRMC19	2-vear	914.45	909.95	913.92	0.53
	5-vear			914.04	0.41
	10-vear			914 11	0.34
	25-year			914.20	0.25
	50-year			914.26	0.19
	100-ver			914.34	0.11
PRMC20	2-vear	925.04	919 87	924 16	0.88
	5-vear	0_0101	0.0101	924.22	0.82
	10-vear			924.25	0.79
	25-year			924.29	0.75
	50-year			924.31	0.73
	100-ver			924.34	0.70
PRMC21	2-vear	926 35	921.60	925 38	0.97
1 11021	5-vear	520.00	021.00	925.00	0.07
	10-vear			925.51	0.00
	25-vear			925.51	0.04
	50-vear			925.58	0.00
	100-year			925.50	0.74
	2-voar	026 37	022.45	025.01	0.04
	z-year	920.37	922.45	925.39	0.90
	10 year			925.47	0.90
	25-vear			920.01	0.00
	50-vear			920.00 025 50	0.02
	100-year			920.00	0.79
	2_voor	002.07	000 07	920.01 000 00	10.70
RULUIUI	2-year	902.07	002.07	003.02	10.20
	10-year			003.70	14.05
	25 year			007.12	14.90
	20-year			000.03	10.24
	100 year			003.90	10.11
	roo-yer			891.50	10.57

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0102	2-year	893.53	883.53	885.98	7.55
	5-year			886.59	6.94
	10-year			887.15	6.38
	25-year			888.84	4.69
	50-year			889.97	3.56
	100-yer			891.50	2.03
RCL0103	2-year	893.86	883.86	885.98	7.88
	5-year			886.59	7.27
	10-year			887.15	6.71
	25-year			888.84	5.02
	50-year			889.97	3.89
	100-yer			891.50	2.36
RCL0104	2-year	903.38	895.38	895.87	7.51
	5-year			895.98	7.40
	10-year			896.05	7.33
	25-year			896.12	7.26
	50-year			896.17	7.21
	100-yer			896.23	7.15
RCL0105	2-year	901.57	895.91	900.09	1.48
	5-year			900.31	1.26
	10-year			900.42	1.15
	25-year			900.56	1.01
	50-year			900.65	0.92
	100-yer			900.78	0.79
RCL0106	2-year	902.30	896.55	900.50	1.80
	5-year			900.62	1.68
	10-year			900.67	1.63
	25-year			900.74	1.56
	50-year			900.82	1.48
	100-yer			900.92	1.38
RCL0107	2-year	903.54	898.62	902.61	0.93
	5-year			902.73	0.81
	10-year			902.78	0.76
	25-year			902.84	0.70
	50-year			902.88	0.66
	100-yer			902.93	0.61
RCL0108	2-year	904.40	899.48	902.96	1.44
	5-year			903.12	1.28
	10-year			903.19	1.21
	25-year			903.29	1.11
	50-year			903.35	1.05
	100-yer			903.44	0.96
RCL0109	2-year	913.93	906.10	911.10	2.83
	5-year			911.16	2.77
	10-year			911.20	2.73
	25-year			911.23	2.70
	50-year			911.26	2.67
	100-yer			911.29	2.64

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0110	2-year	913.65	907.15	911.73	1.92
	5-year			911.81	1.84
	10-year			911.85	1.80
	25-year			911.90	1.75
	50-year			911.93	1.72
	100-yer			911.96	1.69
RCL0111	2-year	913.81	908.81	912.98	0.83
	5-year			913.07	0.74
	10-year			913.11	0.70
	25-year			913.16	0.65
	50-year			913.19	0.62
	100-yer			913.23	0.58
RCL0112	2-year	919.23	914.23	916.07	3.16
	5-year			918.28	0.95
	10-year			918.32	0.91
	25-year			918.36	0.87
	50-year			918.39	0.84
	100-yer			918.42	0.81
RCL0113	2-year	919.81	914.81	916.68	3.13
	5-year			918.93	0.88
	10-year			918.97	0.84
	25-year			919.01	0.80
	50-year			919.04	0.77
	100-yer			919.08	0.73
RCL01A01	2-year	900.00	890.65	890.99	9.01
	5-year			891.06	8.94
	10-year			891.10	8.90
	25-year			891.13	8.87
	50-year			891.14	8.86
	100-yer			891.51	8.49
RCL01A02	2-year	898.24	890.82	892.78	5.46
	5-year			893.17	5.07
	10-year			893.40	4.84
	25-year			893.85	4.39
	50-year			894.05	4.19
	100-yer			894.40	3.84
RCL01A03	2-year	898.90	890.98	892.98	5.92
	5-year			893.30	5.60
	10-year			893.47	5.43
	25-year			893.91	4.99
	50-year			894.11	4.79
	100-yer			894.54	4.36
RCL01A04	2-year	899.10	891.03	893.61	5.49
	5-year			894.14	4.96
	10-year			894.39	4.71
	25-year			894.70	4.40
	50-year			894.95	4.15
	100-yer			896.08	3.02

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL01A05	2-year	898.50	891.08	893.61	4.89
	5-year			894.14	4.36
	10-year			894.39	4.11
	25-year			894.70	3.80
	50-year			894.95	3.55
	100-yer			896.09	2.41
RCL01A06	2-year	902.18	891.18	894.65	7.53
	5-year			896.02	6.16
	10-year			896.70	5.48
	25-year			897.55	4.63
	50-year			898.13	4.05
	100-yer			898.50	3.68
RCL01A07	2-year	911.00	900.00	900.53	10.47
	5-year			900.66	10.34
	10-year			900.71	10.29
	25-year			900.78	10.22
	50-year			900.83	10.17
	100-yer			900.89	10.11
RCL01A08	2-vear	904.78	900.09	904.17	0.61
	5-vear			904.37	0.41
	10-vear			904.46	0.32
	25-vear			904.57	0.21
	50-vear			904.65	0.13
	100-ver			904.75	0.03
RCL01A09	2-vear	918.66	900.39	908.77	9.89
	5-vear			908.88	9.78
	10-vear			908.93	9.73
	25-vear			908.98	9.68
	50-vear			909.02	9.64
	100-ver			909.07	9.59
RCI 01A10	2-vear	916.30	900 72	909.05	7 25
	5-vear	510.50	500.72	909.22	7.23
	10-vear			900.22	00 A
	25-vear			003.31 000 11	88.0 A A A
	50-vear			000.44 000 52	6 78
	100-ver			909.02	6.70
	2-V02r	010 66	001 66	000.00	1 61
NOLUIAII	∠-year 5_vear	310.00	301.00	000.00 000.21	1.01
	10-year			000.21	1.40
	25-vear			000.44	1.37
	20-year			909.41 000.40	1.∠O 1.17
	100-year			909.49 000 FP	1.17
	2-voor	011 00	004 00	303.00 000.0E	1.00
	z-yeai 5-year	311.00	904.00	909.05	2.03
	J-year			909.24	2.04
	25 year			909.37	2.01
	20-year			909.00	2.32
	100 year			909.68	2.20
	100-yer			909.82	2.06

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL01B01	2-year	912.36	906.86	911.20	1.16
	5-year			911.29	1.07
	10-year			911.33	1.03
	25-year			911.39	0.97
	50-year			911.43	0.93
	100-yer			911.48	0.88
RCL0201	2-year	895.83	881.83	884.62	11.21
	5-year			885.88	9.95
	10-year			886.39	9.44
	25-year			886.99	8.84
	50-year			887.40	8.43
	100-yer			887.97	7.86
RCL0202	2-year	899.34	892.34	893.32	6.02
	5-year			893.53	5.81
	10-year			893.71	5.63
	25-year			894.06	5.28
	50-year			894.21	5.13
	100-yer			894.41	4.93
RCL0203	2-vear	901.26	894.76	895.96	5.30
	5-vear			896.17	5.09
	10-vear			896.43	4.83
	25-vear			896.82	4.44
	50-vear			897.01	4.25
	100-ver			897.25	4.01
RCL0204	2-vear	912.50	907.00	911.60	0.90
	5-vear			911.66	0.84
	10-vear			911.74	0.76
	25-vear			911.82	0.68
	50-vear			911.87	0.63
	100-ver			911.93	0.57
RCI 0205	2-vear	912 90	907 51	912 13	0.77
INOL0200	5-vear	012.00	007.01	912.10	0.77
	10-vear			912.31	0.59
	25-vear			912.01	0.00
	50-year			912.40	0.47
	100-ver			912.57	0.33
RCI 0206	2-vear	912 93	908 35	012 33	0.00
	5-vear	512.33	000.00	012.00	0.00
	10-vear			Q12.43	0.30
	25-1/02r			Q12.30	0.37
	50-vear			012.71 012.70	0.22
	100-ver			Q12.79	0.14
	2-V02r	01/ 77	008 61	012.09	1 24
	5-vear	314.77	300.01	Q12 Q0	0.07
	10-year			012.00	0.97
	25-vear			01/ 02	0.02
	20-year			914.0Z	0.75
	100-year			914.00	0.71
	roo-yer			914.11	00.0

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0208	2-year	927.98	916.73	919.35	8.63
	5-year			922.85	5.13
	10-year			925.12	2.86
	25-year			925.19	2.79
	50-year			925.23	2.75
	100-yer			925.28	2.70
RCL0209	2-year	926.46	919.13	923.48	2.98
	5-year			925.19	1.27
	10-year			925.42	1.04
	25-year			925.50	0.96
	50-year			925.55	0.91
	100-yer			925.62	0.84
RCL0210	2-year	926.25	919.50	923.68	2.57
	5-year			925.19	1.06
	10-year			925.43	0.83
	25-year			925.50	0.75
	50-year			925.56	0.69
	100-yer			925.62	0.63
RCL0211	2-vear	926.00	921.00	923.70	2.30
	5-vear			925.19	0.81
	10-vear			925.43	0.57
	25-vear			925.50	0.50
	50-vear			925.56	0.44
	100-ver			925.62	0.38
RCL02A01	2-vear	898.67	893.67	895.00	3.67
	5-vear			895.66	3.01
	10-vear			896.62	2.05
	25-vear			897.57	1.10
	50-vear			897.88	0.79
	100-ver			898.42	0.25
RCI 02A02	2-vear	901.09	896 09	896 79	4 30
110202/102	5-vear	001100	000100	896.98	4 11
	10-vear			897 40	3 69
	25-vear			898 47	2 62
	50-vear			899.05	2.02
	100-ver			899.99	1 10
RCI 02R01	2-vear	808 72	803 72	804 33	4 30
	5-vear	0.00.72	000.72	804 48	4.05
	10-vear			804.56	4.24 16
	25-vear			80/ 67	4.10
	50-vear			804.07	3 02
	100-vor			804.02	3.30 3.80
RCI 02B02	2_vear	808 00	801 65	805 20	0.00 2 EU
	5-vear	050.90	034.00	205.30 205 10	3.00
	10-year			205.49 205 62	3.41 2.20
	25-vear			205.02 205.05	3.20 2.05
	20-year			090.90	2.90
	100-year			20.02 806 04	2.00
	roo-yei			090.94	1.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL02C01	2-year	914.35	909.35	913.43	0.92
	5-year			913.80	0.55
	10-year			913.95	0.40
	25-year			914.02	0.33
	50-year			914.06	0.29
	100-yer			914.11	0.24
RCL02C02	2-year	914.73	909.73	913.43	1.30
	5-year			913.80	0.93
	10-year			913.95	0.78
	25-year			914.02	0.71
	50-year			914.06	0.67
	100-yer			914.11	0.62
RCL02D01	2-year	926.20	921.20	921.86	4.34
	5-year			923.01	3.19
	10-year			925.35	0.85
	25-year			925.40	0.80
	50-year			925.43	0.77
	100-yer			925.47	0.73
RCL02D02	2-year	926.90	921.90	922.82	4.08
	5-year			923.02	3.88
	10-year			925.64	1.26
	25-year			925.82	1.08
	50-year			925.92	0.98
	100-yer			925.96	0.94
RCL02D03	2-year	927.04	922.04	923.18	3.86
	5-year			923.40	3.64
	10-year			925.91	1.13
	25-year			926.12	0.92
	50-year			926.17	0.87
	100-yer			926.21	0.83
RCL0300	2-year	906.05	890.05	890.94	15.11
	5-year			891.09	14.96
	10-year			891.17	14.88
	25-year			891.27	14.78
	50-year			891.34	14.71
	100-yer			891.40	14.65
RCL0301	2-year	907.82	903.38	904.39	3.43
	5-year			904.52	3.30
	10-year			904.58	3.24
	25-year			904.65	3.17
	50-year			904.71	3.11
	100-yer			904.79	3.03
RCL0302	2-year	907.86	903.61	907.16	0.70
	5-year			907.33	0.53
	10-year			907.42	0.44
	25-year			907.52	0.34
	50-year			907.59	0.27
	100-yer			907.68	0.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0303	2-year	908.07	904.24	907.39	0.68
	5-year			907.52	0.55
	10-year			907.59	0.48
	25-year			907.68	0.39
	50-year			907.74	0.33
	100-yer			907.83	0.24
RCL0304	2-year	916.29	911.12	915.45	0.84
	5-year			915.53	0.76
	10-year			915.57	0.72
	25-year			915.62	0.67
	50-year			915.66	0.63
	100-yer			915.70	0.59
RCL0305	2-year	916.56	911.56	915.82	0.74
	5-year			915.92	0.64
	10-year			915.98	0.58
	25-year			916.04	0.52
	50-year			916.08	0.48
	100-yer			916.14	0.42
RCL0401	2-year	911.42	891.42	892.36	19.06
	5-year			892.56	18.85
	10-year			892.68	18.73
	25-year			892.83	18.59
	50-year			892.93	18.49
	100-yer			893.04	18.37
RCL0402	2-year	903.68	893.68	895.37	8.31
	5-year			896.39	7.29
	10-year			896.55	7.13
	25-year			896.72	6.96
	50-year			896.84	6.84
	100-yer			896.99	6.69
RCL0403	2-year	925.74	915.74	917.17	8.57
	5-year			917.39	8.35
	10-year			917.49	8.25
	25-year			917.62	8.12
	50-year			917.72	8.02
	100-yer			917.82	7.92
RCL0404	2-year	925.91	920.74	921.67	4.24
	5-year			921.91	4.00
	10-vear			922.05	3.86
	25-year			922.26	3.65
	50-year			922.60	3.31
	100-yer			924.18	1.73
RCL0405	2-year	926.99	921.99	922.88	4.11
	5-year			923.10	3.89
	10-year			923.23	3.76
	25-year			923.42	3.57
	50-year			923.66	3.33
	100-yer			925.54	1.45

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0406	2-year	926.78	922.78	923.55	3.23
	5-year			923.71	3.07
	10-year			923.80	2.98
	25-year			923.91	2.87
	50-year			924.04	2.74
	100-yer			925.49	1.29
RCL0407	2-year	928.69	924.69	925.11	3.58
	5-year			925.21	3.48
	10-year			925.27	3.42
	25-year			925.33	3.36
	50-year			925.38	3.31
	100-yer			925.48	3.21
RCL0408	2-year	931.00	927.85	928.83	2.17
	5-year			929.06	1.94
	10-year			929.19	1.81
	25-year			929.37	1.63
	50-year			929.53	1.47
	100-yer			930.03	0.97
RCL0501	2-year	920.92	898.15	899.32	21.60
	5-year			899.51	21.41
	10-year			899.62	21.30
	25-year			899.74	21.18
	50-year			899.83	21.09
	100-yer			899.93	20.99
RCL0502	2-year	911.00	901.23	903.09	7.91
	5-year			903.51	7.49
	10-year			903.73	7.27
	25-year			904.01	6.99
	50-year			904.22	6.78
	100-yer			904.46	6.54
RCL0503	2-year	916.65	909.98	911.89	4.76
	5-year			912.40	4.25
	10-year			912.72	3.93
	25-year			913.23	3.42
	50-year			914.38	2.27
	100-yer			915.79	0.86
RCL0504	2-year	922.57	917.49	921.71	0.86
	5-year			921.81	0.76
	10-year			921.87	0.70
	25-year			921.92	0.65
	50-year			921.97	0.60
	100-yer			922.02	0.55
RCL0505	2-year	923.75	917.58	923.22	0.53
	5-year			923.36	0.39
	10-year			923.43	0.32
	25-year			923.51	0.24
	50-year			923.57	0.18
	100-yer			923.65	0.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL05A01	2-year	919.82	913.40	914.57	5.25
	5-year			914.87	4.95
	10-year			915.12	4.70
	25-year			916.10	3.72
	50-year			918.09	1.73
	100-yer			918.94	0.88
RCL05A02	2-year	925.76	919.68	920.68	5.08
	5-year			920.92	4.84
	10-year			921.06	4.70
	25-year			921.23	4.53
	50-year			921.83	3.93
	100-yer			924.21	1.55
RCL05B01	2-year	923.86	918.86	923.22	0.64
	5-year			923.36	0.50
	10-year			923.43	0.43
	25-year			923.51	0.35
	50-year			923.57	0.29
	100-yer			923.65	0.21
RCL05C01	2-year	924.07	919.07	923.22	0.85
	5-year			923.36	0.71
	10-year			923.43	0.64
	25-year			923.51	0.56
	50-year			923.57	0.50
	100-yer			923.65	0.42
RCL0601	2-year	944.25	930.25	930.52	13.73
	5-year			930.58	13.67
	10-year			930.62	13.63
	25-year			930.67	13.58
	50-year			930.70	13.55
	100-yer			930.74	13.51
RCL0602	2-year	937.76	932.84	934.62	3.14
	5-year			936.87	0.89
	10-year			936.94	0.82
	25-year			937.00	0.76
	50-year			937.03	0.73
	100-yer			937.07	0.69
RCL0603	2-year	937.97	933.72	934.86	3.11
	5-year			937.06	0.91
	10-year			937.11	0.86
	25-year			937.15	0.82
	50-year			937.18	0.79
	100-yer			937.22	0.75
RCL0701	2-year	938.50	923.99	924.31	14.19
-	5-year			924.40	14.10
	10-year			924.44	14.06
	25-year			924.50	14.00
	50-year			924.54	13.96
	100-yer			924.58	13.92

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0702	2-year	929.03	926.03	928.13	0.90
	5-year			928.19	0.84
	10-year			928.22	0.81
	25-year			928.25	0.78
	50-year			928.28	0.75
	100-yer			928.31	0.72
RCL0703	2-year	936.09	933.09	933.65	2.44
	5-year			933.74	2.35
	10-year			933.79	2.30
	25-year			933.85	2.24
	50-year			933.88	2.21
	100-yer			933.93	2.16
RCL0704	2-year	936.09	933.40	934.43	1.66
	5-year			934.59	1.50
	10-year			934.68	1.41
	25-year			934.79	1.30
	50-year			934.86	1.23
	100-yer			934.95	1.14
RCL0705	2-vear	944.33	937.17	937.31	7.02
	5-vear			937.33	7.00
	10-vear			937.35	6.98
	25-vear			937.37	6.96
	50-vear			937.38	6.95
	100-ver			937.40	6.93
RCL0706	2-vear	944.84	938.17	939.20	5.64
	5-vear			939.36	5.48
	10-vear			939.44	5.40
	25-vear			939.55	5.30
	50-vear			939.63	5.21
	100-ver			939.74	5.10
RCI 0707	2-vear	945 83	939 50	940 15	5.68
INCEOF OF	5-vear	0-10.00	000.00	940.25	5 58
	10-vear			940 31	5 52
	25-vear			940.37	5 46
	50-vear			940.42	5 42
	100-ver			940.42	5.36
RCI 0800	2-vear	916 00	807 63	900 <u>4</u> 1	15 50
	5-vear	510.00	007.00	000.41 000.88	15.09
	10-vear			Q01 12	14 88
	25-vear			Q01.12	14.00
	50-vear			Q01.59	14.01
	100-ver			Q01.33	14.73
	2-1/02r	018 65	002 65	005.27	12.20
	5-vear	310.00	302.00	005.37 005 80	10.20
	10-year			00.00 006 02	12.00
	25-year			000.03	12.02
	20-year			300.20 006 12	12.37
	100-year			900.43	12.22
	roo-yei			900.03	12.02

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0802	2-year	917.39	907.39	907.91	9.48
	5-year			908.03	9.36
	10-year			908.10	9.29
	25-year			908.18	9.21
	50-year			908.23	9.16
	100-yer			908.29	9.10
RCL0803	2-year	912.00	907.62	909.14	2.86
	5-year			909.45	2.55
	10-year			909.61	2.39
	25-year			909.81	2.19
	50-year			909.94	2.06
	100-yer			910.13	1.87
RCL0804	2-year	912.95	907.67	910.22	2.73
	5-year			910.57	2.38
	10-year			910.74	2.21
	25-year			910.95	2.00
	50-year			911.08	1.87
	100-yer			911.26	1.69
RCL0805	2-year	914.00	907.68	910.32	3.68
	5-year			910.81	3.19
	10-year			911.03	2.97
	25-year			911.26	2.74
	50-year			911.54	2.46
	100-yer			911.88	2.12
RCL0806	2-year	914.11	908.89	910.53	3.58
	5-year			911.12	2.99
	10-year			911.42	2.69
	25-year			911.98	2.13
	50-year			912.49	1.62
	100-yer			912.80	1.31
RCL0807	2-vear	914.95	909.44	911.42	3.53
	5-vear			911.75	3.20
	10-vear			911.94	3.01
	25-vear			912.30	2.65
	50-year			912.68	2.27
	100-yer			912.97	1.98
RCL0808	2-year	915.00	909.62	911.57	3.43
	5-vear			911.95	3.05
	10-year			912.16	2.84
	25-vear			912.63	2.37
	50-year			913.06	1.94
	100-yer			913.52	1.48
RCL0809	2-year	916.92	909.88	912.29	4.63
	5-year			912.63	4.29
	10-year			912.82	4.10
	25-year			913.10	3.82
	50-year			913.38	3.54
	100-yer			913.74	3.18
					Max WSE
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		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0810	2-year	917.32	910.32	912.60	4.72
	5-year			913.07	4.25
	10-year			913.32	4.01
	25-year			913.80	3.52
	50-year			914.26	3.06
	100-yer			914.94	2.38
RCL0811	2-year	917.15	911.15	913.16	3.99
	5-year			913.55	3.60
	10-year			913.77	3.38
	25-year			914.11	3.04
	50-year			914.45	2.70
	100-yer			915.02	2.13
RCL0812	2-year	917.54	911.54	913.47	4.07
	5-year			913.93	3.61
	10-year			914.17	3.37
	25-year			914.53	3.01
	50-year			914.98	2.56
	100-yer			915.66	1.88
RCL0813	2-year	917.90	911.90	914.18	3.72
	5-year			914.52	3.38
	10-year			914.70	3.20
	25-year			914.93	2.97
	50-year			915.21	2.69
	100-yer			915.78	2.12
RCL0814	2-year	919.64	913.31	915.16	4.48
	5-year			915.48	4.16
	10-year			915.63	4.01
	25-year			915.82	3.82
	50-year			915.95	3.69
	100-yer			916.10	3.54
RCL0815	2-year	919.77	913.50	915.57	4.20
	5-year			916.02	3.75
	10-year			916.29	3.48
	25-year			916.68	3.09
	50-year			916.85	2.92
	100-yer			917.35	2.42
RCL0816	2-year	919.69	913.39	915.35	4.34
	5-year			915.72	3.97
	10-year			915.93	3.76
	25-year			916.19	3.50
	50-year			916.32	3.37
	100-yer			916.64	3.05
RCL0817	2-year	922.96	917.36	917.45	5.51
	5-year			917.47	5.49
	10-year			917.48	5.48
	25-year			917.49	5.47
	50-year			917.50	5.46
	100-yer			917.51	5.45

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0818	2-year	923.00	917.40	917.80	5.20
	5-year			917.85	5.15
	10-year			917.88	5.12
	25-year			917.91	5.09
	50-year			917.93	5.07
	100-yer			917.96	5.04
RCL08A01	2-year	914.90	903.90	905.11	9.79
	5-year			905.35	9.55
	10-year			905.44	9.46
	25-year			905.53	9.37
	50-year			905.59	9.31
	100-yer			905.67	9.23
RCL08A02	2-year	923.00	915.00	915.18	7.82
	5-year			915.20	7.80
	10-year			915.21	7.79
	25-year			915.24	7.76
	50-year			915.26	7.74
	100-yer			915.29	7.71
RCL08A03	2-year	922.76	915.76	917.86	4.90
	5-year			919.48	3.28
	10-year			919.96	2.80
	25-year			920.19	2.57
	50-year			920.31	2.45
	100-yer			920.46	2.30
RCL08A04	2-year	925.00	916.17	917.95	7.05
	5-year			919.68	5.32
	10-year			920.24	4.76
	25-year			920.62	4.38
	50-year			920.87	4.13
	100-yer			921.25	3.75
RCL08A05	2-year	923.42	916.42	918.09	5.33
	5-year			919.76	3.66
	10-year			920.36	3.06
	25-year			920.81	2.61
	50-year			921.11	2.31
	100-yer			921.60	1.82
RCL08A06	2-year	930.96	924.35	924.65	6.31
	5-year			924.71	6.26
	10-year			924.72	6.24
	25-year			924.74	6.22
	50-year			924.79	6.17
	100-yer			924.84	6.12
RCL08A07	2-year	931.00	924.60	926.49	4.51
	5-year			926.94	4.06
	10-year			927.34	3.66
	25-year			927.93	3.07
	50-year			928.20	2.80
	100-yer			928.30	2.70

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL08A08	2-year	930.94	926.00	926.48	4.46
	5-year			926.94	4.00
	10-year			927.34	3.60
	25-year			927.93	3.01
	50-year			928.21	2.73
	100-yer			928.30	2.64
RCL08A09	2-year	931.00	928.00	929.81	1.19
	5-year			930.07	0.93
	10-year			930.14	0.86
	25-year			930.21	0.79
	50-year			930.23	0.77
	100-yer			930.29	0.71
RCL08B01	2-year	913.19	907.71	910.33	2.86
	5-year			910.82	2.37
	10-year			911.04	2.15
	25-year			911.30	1.89
	50-year			911.55	1.64
	100-yer			911.90	1.29
RCL08B02	2-year	915.00	908.33	910.33	4.67
	5-year			910.83	4.17
	10-year			911.11	3.89
	25-year			911.48	3.52
	50-year			911.70	3.30
	100-yer			912.94	2.06
RCL08B03	2-year	916.70	911.45	911.91	4.79
	5-year			911.99	4.71
	10-year			912.03	4.67
	25-year			912.08	4.62
	50-year			912.12	4.58
	100-yer			912.24	4.46
RCL08C01	2-year	919.72	912.08	913.47	6.25
	5-year			913.94	5.78
	10-year			914.19	5.53
	25-year			914.53	5.19
	50-year			914.98	4.74
	100-yer			915.66	4.06
RCL08C02	2-year	917.38	912.38	914.32	3.06
	5-year			914.74	2.64
	10-year			915.00	2.38
	25-year			915.32	2.06
	50-year			915.60	1.78
	100-yer			916.27	1.11
RCL08C03	2-year	922.00	914.88	916.65	5.35
	5-year			917.13	4.87
	10-year			917.41	4.59
	25-year			917.79	4.21
	50-year			918.16	3.84
	100-yer			919.67	2.33

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL08C04	2-year	922.77	917.77	919.08	3.69
	5-year			919.36	3.41
	10-year			919.53	3.24
	25-year			919.77	3.00
	50-year			919.93	2.84
	100-yer			921.03	1.74
RCL08D01	2-year	918.09	912.34	914.33	3.76
	5-year			914.91	3.18
	10-year			915.44	2.65
	25-year			916.07	2.02
	50-year			916.68	1.41
	100-yer			917.24	0.85
RCL08D02	2-year	918.64	913.31	916.93	1.71
	5-year			917.82	0.82
	10-year			917.90	0.74
	25-year			917.99	0.65
	50-year			918.05	0.59
	100-yer			918.13	0.51
RCL08D03	2-year	918.86	914.03	917.92	0.94
	5-vear			918.16	0.70
	10-vear			918.21	0.65
	25-year			918.27	0.59
	50-year			918.31	0.55
	100-ver			918.36	0.50
RCL08D04	2-vear	920.00	914.17	918.28	1.72
	5-vear			918.42	1.58
	10-vear			918.47	1.53
	25-vear			918.54	1.46
	50-vear			918.59	1.41
	100-ver			918.65	1.35
RCI 08D05	2-vear	920 18	915 51	918 78	1 40
110200200	5-vear	020110	010101	918 92	1 26
	10-vear			918.99	1.20
	25-vear			919 08	1.10
	50-vear			919 14	1.10
	100-ver			919 22	0.96
RCI 1001	2-vear	926.00	915 58	916 14	0.00 9.86
	5-vear	520.00	515.56	916 29	0.70
	10-vear			016 35	9.72
	25-1/02r			Q16 /2	0.57
	50-vear			016 /R	9.57
	100-ver			916 55	0.02 0.45
RCI 1101	2-Vezr	950.00	038 00	028 15	11 55
	5-vear	330.00	330.00	038 E0	11.30
	10-vear			038 88	11.42
	25-1/02r			022 75	11.34
	50-vear			030.75 038 81	11.20
	100-year			035 50 920.01	11.19
	100-yei			೮ ೦.00	11.12

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL1201	2-year	930.00	918.00	919.86	10.14
	5-year			920.38	9.62
	10-year			920.65	9.35
	25-year			921.00	9.00
	50-year			921.35	8.65
	100-yer			921.68	8.32
RCL1202	2-year	950.00	930.00	931.09	18.91
	5-year			931.36	18.64
	10-year			931.50	18.50
	25-year			931.67	18.33
	50-year			931.79	18.21
	100-yer			931.93	18.07
RCL1203	2-year	957.00	946.61	947.00	10.00
	5-year			947.10	9.90
	10-year			947.15	9.85
	25-year			947.21	9.79
	50-year			947.26	9.74
	100-yer			947.31	9.69
RCL1300	2-year	932.15	922.15	923.19	8.97
	5-year			923.64	8.51
	10-year			923.86	8.29
	25-year			924.13	8.02
	50-year			924.32	7.83
	100-yer			924.55	7.60
RCL1301	2-year	952.00	939.00	939.94	12.06
	5-year			940.32	11.68
	10-year			940.51	11.49
	25-year			940.76	11.24
	50-year			940.91	11.09
	100-yer			941.11	10.89
RCL1302	2-year	970.00	950.00	951.86	18.14
	5-year			952.40	17.60
	10-year			952.67	17.33
	25-year			952.98	17.02
	50-year			953.19	16.81
	100-yer			953.43	16.57
RCL1303	2-year	980.00	960.00	960.47	19.53
	5-year			960.65	19.35
	10-year			960.75	19.25
	25-year			960.87	19.13
	50-year			960.96	19.04
	100-yer			961.06	18.94
RCL13A01	2-year	970.00	950.00	951.40	18.60
	5-year			951.67	18.33
	10-year			951.80	18.20
	25-year			951.95	18.05
	50-year			952.04	17.96
	100-yer			952.14	17.86

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL1400	2-year	939.00	926.46	927.61	11.39
	5-year			927.84	11.16
	10-year			927.97	11.04
	25-year			928.11	10.89
	50-year			928.20	10.80
	100-yer			928.32	10.68
RCL1401	2-year	950.00	938.00	939.01	10.99
	5-year			939.22	10.78
	10-year			939.32	10.68
	25-year			939.45	10.55
	50-year			939.54	10.46
	100-yer			939.64	10.36
RCL1402	2-year	970.00	940.00	941.48	28.52
	5-year			941.80	28.20
	10-year			941.96	28.04
	25-year			942.14	27.86
	50-year			942.26	27.74
	100-yer			942.41	27.59
RCL1501	2-year	950.00	940.00	941.41	8.59
	5-year			941.74	8.26
	10-year			941.92	8.08
	25-year			942.13	7.87
	50-year			942.28	7.72
	100-yer			942.47	7.53
RCL1601	2-year	950.00	937.17	939.00	11.00
	5-year			939.30	10.70
	10-year			939.44	10.56
	25-year			939.59	10.41
	50-year			939.92	10.08
	100-yer			940.11	9.89
RCL1602	2-year	950.00	940.00	941.49	8.51
	5-year			941.78	8.22
	10-year			941.92	8.08
	25-year			942.10	7.90
	50-year			942.22	7.78
	100-yer			942.37	7.63
RCL1603	2-year	970.00	954.00	954.97	15.03
	5-year			955.16	14.84
	10-year			955.26	14.74
	25-year			955.36	14.64
	50-year			955.44	14.56
	100-yer			955.53	14.47
RCL1604	2-year	990.00	966.72	967.98	22.02
	5-year			968.26	21.74
	10-year			968.41	21.59
	25-year			968.58	21.42
	50-year			968.70	21.30
	100-yer			968.84	21.16

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL16A00	2-year	950.63	938.63	940.27	10.36
	5-year			940.57	10.06
	10-year			940.75	9.88
	25-year			940.97	9.66
	50-year			941.09	9.54
	100-yer			941.25	9.38
RCL16A01	2-year	980.00	960.00	960.79	19.21
	5-year			960.94	19.06
	10-year			961.02	18.98
	25-year			961.10	18.90
	50-year			961.16	18.84
	100-yer			961.23	18.77
RCL1701	2-year	970.00	950.00	951.25	18.75
	5-year			951.56	18.44
	10-year			951.69	18.31
	25-year			951.85	18.15
	50-year			951.96	18.05
	100-yer			952.08	17.92
RCL1702	2-year	980.00	956.00	956.95	23.05
	5-vear			957.18	22.82
	10-vear			957.30	22.70
	25-year			957.44	22.56
	50-year			957.53	22.47
	100-ver			957.64	22.36
RCL1703	2-vear	980.00	960.69	961.33	18.67
	5-vear			961.46	18.54
	10-year			961.54	18.46
	25-vear			961.63	18.37
	50-vear			961.70	18.30
	100-ver			961.77	18.23
RCI 1801	2-vear	969 33	954 00	954 35	14.98
	5-vear	000100		954 44	14 89
	10-vear			954.50	14.84
	25-vear			954.56	14 77
	50-vear			954.60	14 73
	100-ver			954.66	14.67
RCI 1901	2-vear	995 00	974 66	975.84	19 16
	5-vear	000.00	574.00	976 12	18.88
	10-vear			076.72	18.72
	25-1/02r			976.27	18.73
	50-vear			076 52	18.30
	100-ver			976.66	18.40
RCI 2001	2-Vezr	1000.00	976 00	077 59	20.04
	5-vear	1000.00	310.00	077 QG	22.42
	10-year			077.00	22.14
	25-vear			072 75	22.02
	20-year			070.20	21.70
	100-year			910.30 070 EA	21.02
	ruu-yei			9/0.04	21.40

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL2002	2-year	1010.00	990.00	991.47	18.53
	5-year			991.87	18.13
	10-year			992.14	17.86
	25-year			992.42	17.58
	50-year			992.62	17.38
	100-yer			992.87	17.13
RCL901	2-year	932.00	912.00	912.69	19.31
	5-year			912.84	19.16
	10-year			912.91	19.09
	25-year			913.00	19.00
	50-year			913.06	18.94
	100-yer			913.13	18.87
RCMC00	2-year	891.75	871.75	877.49	14.26
	5-year			879.45	12.30
	10-year			880.21	11.54
	25-year			881.05	10.70
	50-year			881.57	10.18
	100-yer			882.25	9.50
RCMC01	2-vear	893.76	873.76	882.90	10.86
	5-vear			884.69	9.07
	10-vear			885.53	8.23
	25-vear			887.29	6.47
	50-vear			887.83	5.93
	100-ver			888.51	5.25
RCMC02	2-vear	896.84	873.80	883.02	13.82
	5-vear			884.86	11.98
	10-vear			885.74	11.10
	25-vear			887.49	9.35
	50-vear			888.07	8.77
	100-ver			888.81	8.03
RCMC03	2-vear	896 84	873 84	883 16	13.68
	5-vear	000.04	070.04	885.76	11.00
	10-vear			887 12	9 72
	25-vear			888.83	8.01
	50-year			889 988	6.88
	100-ver			891 50	5 34
RCMC04	2-vear	895 00	874 54	883 68	11 32
	5-vear	000.00	074.04	886 02	R 08
	10-vear			886 78	8 22
	25-vear			887 /A	7 5/
	50-vear			887 02	7.34
	100-ver			888 58	۲.07 ۶ ۵۷
RCMC05	2-vezr	805 00	87/ 70	883 60	11 21
	z-year 5-vear	095.00	074.70	2003.09 286 02	۱۱.۵۱ ۵ ۵۵
	10-vear			886 70	0.30 Q 21
	25-vear			2000.79 227 12	7 50
	50-vear			227 06	7.04
	100-year			C3 222	r.04 6 37
	100-yei			000.03	0.37

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC06	2-year	893.37	877.37	884.62	8.75
	5-year			885.88	7.49
	10-year			886.39	6.98
	25-year			886.99	6.38
	50-year			887.40	5.97
	100-yer			887.97	5.40
RCMC07	2-year	898.62	878.62	885.80	12.82
	5-year			887.91	10.71
	10-year			888.83	9.79
	25-year			889.73	8.89
	50-year			890.30	8.32
	100-yer			891.05	7.57
RCMC08	2-year	895.00	878.97	886.46	8.54
	5-year			887.67	7.33
	10-year			888.17	6.83
	25-year			888.69	6.31
	50-year			889.04	5.96
	100-yer			889.53	5.47
RCMC09	2-year	902.54	880.54	888.50	14.04
	5-year			889.52	13.02
	10-year			890.05	12.49
	25-year			890.69	11.85
	50-year			891.14	11.40
	100-yer			891.76	10.78
RCMC10	2-year	902.95	882.37	889.24	13.71
	5-year			890.41	12.54
	10-year			891.04	11.91
	25-year			891.79	11.16
	50-year			892.30	10.65
	100-yer			893.01	9.94
RCMC13	2-year	903.00	882.77	889.79	13.21
	5-year			891.38	11.62
	10-year			892.20	10.80
	25-year			893.17	9.83
	50-year			893.81	9.19
	100-yer			894.71	8.29
RCMC14	2-year	913.93	883.93	891.26	22.67
	5-year			892.50	21.43
	10-year			893.17	20.76
	25-vear			893.98	19.95
	50-year			894.53	19.40
	100-ver			895.30	18.63
RCMC15	2-vear	916.67	885.75	894.27	22.40
	5-vear	5.0.01		896.08	20.59
	10-year			896.96	19.71
	25-vear			897.95	18.72
	50-vear			898.55	18.12
	100-ver			899.38	17.29

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC16	2-year	916.72	885.80	894.27	22.44
	5-year			896.08	20.63
	10-year			896.96	19.75
	25-year			897.95	18.77
	50-year			898.55	18.16
	100-yer			899.38	17.34
RCMC17	2-year	918.00	887.50	895.30	22.70
	5-year			897.21	20.79
	10-year			898.13	19.87
	25-year			899.15	18.85
	50-year			899.78	18.22
	100-yer			900.65	17.35
RCMC18	2-year	908.00	890.00	897.50	10.50
	5-year			899.18	8.82
	10-year			900.10	7.90
	25-year			901.18	6.82
	50-year			901.89	6.11
	100-yer			902.87	5.13
RCMC19	2-vear	909.33	890.33	898.62	10.71
	5-vear			900.88	8.45
	10-vear			902.05	7.28
	25-vear			903.37	5.96
	50-vear			904.25	5.08
	100-ver			905.48	3.85
RCMC20	2-vear	912.22	893.50	901.40	10.82
	5-vear			902.99	9.23
	10-vear			903.95	8.27
	25-vear			905.10	7.12
	50-year			905.89	6.33
	100-ver			907.04	5.18
RCMC23	2-vear	912 29	893 59	902.21	10.08
	5-vear	012.20	000.00	904.05	8 24
	10-vear			905.15	7 14
	25-vear			906.41	5.88
	50-vear			907 27	5.00
	100-ver			908 49	3.80
RCMC24	2-vear	915 30	895 30	903.01	12 20
	5-vear	515.50	000.00	904.88	10.42
	10-vear			906.01	9.29
	25-vear			00.01 007 22	J.29 7 08
	50-vear			007.32 008.13	7 17
	100-ver			900.15	6.04
RCMC25	2-vezr	Q10 //	805 01	002.20	7 75
	5-vear	310.44	030.34	002.09 003.75	6 60
	10-vear			003.75 004.20	6 15
	25-vear			904.29 904.29	5.51
	50-vear			004.33 005 26	5.01
	100-ver			905.30 QAS 04	J.00
	100-yei			300.94	4.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC26	2-year	921.98	900.75	905.73	16.25
	5-year			906.54	15.44
	10-year			906.96	15.02
	25-year			907.42	14.56
	50-year			907.72	14.26
	100-yer			908.14	13.84
RCMC27	2-year	922.00	900.77	905.83	16.17
	5-year			906.70	15.30
	10-year			907.17	14.83
	25-year			907.71	14.29
	50-year			908.06	13.94
	100-yer			908.57	13.43
RCMC28	2-year	916.80	901.35	907.12	9.68
	5-year			907.98	8.82
	10-year			908.45	8.35
	25-vear			908.99	7.81
	50-vear			909.34	7.46
	100-yer			909.86	6.94
RCMC29	2-vear	916.89	901.38	907.38	9.51
110111020	5-vear	010100		908 40	8 49
	10-vear			908.95	7.94
	25-year			909.61	7.28
	50-year			910.06	6.83
	100-ver			910.67	6.22
RCMC30	2-vear	916 90	901 43	907 50	9.40
	5-vear	010100		908 59	8.31
	10-vear			909.18	7.72
	25-vear			909.88	7.02
	50-year			910.36	6.54
	100-ver			911.01	5.89
RCMC31	2-vear	917 91	901 46	907 70	10.21
	5-vear	017.01	001.40	908.87	9.04
	10-vear			909.51	8 40
	25-vear			910.26	 7 65
	50-vear			910.20	7.00
	100-ver			911 46	6 45
RCMC32	2-vear	920 00	901 66	907 16	12 8/
	5-vear	520.00	501.00	QUX U1	11 00
	10-vear			908.01	11.55
	25-vear			00.43 00.8 01	11.57
	50-vear			000.91 000 22	10.78
	100-ver			000.22 000 63	10.70
RCMC3/	2-vezr	022 00	003 60	003.00 007.00	15.00
1.010034	z-year 5-vear	322.00	303.00	007.00	11.00
	10-year			007.94 008./1	13.50
	25-vear			00.41 00.8 07	13.09
	50-vear			000.97	10.03
	100-year			009.33 000 R1	12.07
	100-yei			303.04	12.17

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC35	2-year	933.50	904.72	908.35	25.15
	5-year			909.38	24.12
	10-year			909.91	23.59
	25-year			910.52	22.98
	50-year			910.92	22.58
	100-yer			911.48	22.02
RCMC36	2-year	930.00	905.00	907.98	22.02
	5-year			908.91	21.09
	10-year			909.39	20.61
	25-year			909.94	20.06
	50-year			910.31	19.69
	100-yer			910.82	19.18
RCMC37	2-year	930.00	907.50	910.66	19.34
	5-year			911.53	18.47
	10-year			911.98	18.02
	25-year			912.50	17.50
	50-year			912.84	17.16
	100-yer			913.32	16.68
RCMC38	2-year	940.00	909.00	912.36	27.64
	5-year			913.29	26.71
	10-year			913.76	26.24
	25-year			914.29	25.71
	50-year			914.65	25.35
	100-yer			915.14	24.86
RCMC39	2-year	940.00	913.00	915.53	24.47
	5-year			916.28	23.72
	10-year			916.68	23.32
	25-year			917.39	22.61
	50-year			917.68	22.32
	100-yer			918.09	21.91
RCMC40	2-year	940.00	915.00	916.80	23.20
	5-year			917.42	22.58
	10-year			917.74	22.26
	25-year			918.12	21.88
	50-year			918.37	21.63
	100-yer			918.72	21.28
RCMC41	2-year	932.00	916.50	923.46	8.54
	5-year			924.46	7.54
	10-year			924.94	7.06
	25-year			925.50	6.50
	50-year			925.86	6.14
	100-yer			926.37	5.63
RCMC42	2-year	931.00	918.00	920.59	10.41
	5-year			921.28	9.72
	10-year			921.64	9.36
	25-year			922.05	8.95
	50-year			922.31	8.69
	100-yer			922.70	8.30

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC43	2-year	940.00	921.00	923.90	16.10
	5-year			924.77	15.23
	10-year			925.21	14.79
	25-year			925.71	14.29
	50-year			926.03	13.97
	100-yer			926.47	13.53
RCMC44	2-year	940.00	923.53	927.36	12.64
	5-year			928.34	11.66
	10-year			928.84	11.16
	25-year			929.40	10.60
	50-year			929.75	10.25
	100-yer			930.25	9.75
RCMC45	2-year	950.00	925.44	927.90	22.10
	5-vear			928.55	21.45
	10-vear			928.87	21.13
	25-year			929.22	20.78
	50-year			929 44	20.56
	100-ver			929.76	20.24
RCMC46	2-vear	950.00	928.00	930.69	19.31
	5-vear	000.00	020.00	931 42	18.58
	10-vear			931 79	18.00
	25-year			932 19	17.81
	50-vear			932 44	17.56
	100-ver			932.80	17.20
RCMC47	2-vear	960.00	932.00	934.14	25.86
	5-vear		002.00	934.86	25.14
	10-vear			935.21	24.79
	25-vear			935.58	24 42
	50-vear			935.81	24 19
	100-ver			936.16	23.84
RCMC48	2-vear	960.00	938.00	942 19	17 82
	5-vear	000.00	000.00	942.16	17.02
	10-vear			943.34	16.66
	25-vear			943 78	16.00
	50-vear			944.05	15.22
	100-ver			944 38	15.62
	2-vezr	970 00	040.00	0/2 62	27 22
ICCIVIC49	z-year 5-year	970.00	940.00	043.23	27.30
	10-year			943.23 012 F1	20.77
	25 year			042.04	20.40
	20-year			943.00 011 11	20.12
	100-year			0// /1	25.09
	2-vear	070.00	046.00	0/0 21	23.39
	2-year 5-year	310.00	340.00	0/0 60	21.79
	10-year			0/12 01	21.32
	25-vear			0/0.91	21.09
	20-year			549.10 0/0.24	20.00
	100-year			949.31 0/0 52	20.09
	roo-yer			949.03	20.47

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC51	2-year	970.00	948.00	952.09	17.91
	5-year			952.91	17.09
	10-year			953.31	16.69
	25-year			953.72	16.28
	50-year			954.01	15.99
	100-yer			954.41	15.59
RCMC52	2-year	970.00	952.00	955.00	15.00
	5-year			955.78	14.22
	10-year			956.15	13.85
	25-year			956.52	13.48
	50-year			956.80	13.20
	100-yer			957.15	12.85
RCMC53	2-year	990.00	960.93	963.22	26.78
	5-year			963.97	26.03
	10-year			964.33	25.67
	25-year			964.66	25.34
	50-year			965.25	24.75
	100-yer			965.62	24.39
RCMC54	2-vear	990.00	971.06	973.30	16.70
	5-vear		01.100	973.94	16.06
	10-vear			974 23	15 77
	25-year			974.50	15.50
	50-year			974.74	15.26
	100-ver			975.03	14.97
RCMC55	2-vear	1000.00	976.00	977 80	22 20
	5-vear		010100	978.18	21.82
	10-vear			978.40	21.60
	25-year			978.64	21.36
	50-year			978.81	21.19
	100-ver			979.03	20.97
RCMC56	2-vear	1000.00	979.00	981 37	18.63
	5-vear	1000.00	070.00	981.81	18.00
	10-vear			982.06	17.94
	25-vear			982.35	17.54
	50-vear			982.55	17.05
	100-year			902.00	17.43
	2-voar	1020.00	004.00	005.68	24.32
	z-year	1020.00	994.00	995.00	24.32
	10-year			006 17	24.02
	25-vear			006 17	23.03
	50-vear			990.42 006 57	20.00 22 12
	100-year			006 76	20.40
	2_voor	1020.00	1009 00	330.70 1000.0F	20.24
	2-year	1030.00	1006.00	1009.05	20.90
	10-year			1009.30	20.00
	25-year			1009.47	20.00
	50-year			1009.02	20.30
	100-year			1009.72	20.20
	roo-yer			1009.83	20.17

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL101	2-year	910.00	903.43	905.81	4.19
	5-year			906.12	3.88
	10-year			906.27	3.73
	25-year			906.48	3.52
	50-year			906.68	3.32
	100-yer			906.84	3.16
SCL102	2-year	908.41	903.91	905.82	2.59
	5-year			906.13	2.28
	10-year			906.28	2.13
	25-year			906.49	1.92
	50-year			906.68	1.73
	100-yer			906.85	1.56
SCL103	2-year	911.00	904.26	907.30	3.70
	5-year			908.72	2.28
	10-year			909.65	1.35
	25-year			910.12	0.88
	50-year			910.19	0.81
	100-yer			910.26	0.74
SCL104	2-year	913.00	908.17	909.19	3.81
	5-year			909.67	3.33
	10-year			910.41	2.59
	25-year			911.04	1.96
	50-year			911.40	1.60
	100-yer			911.90	1.10
SCL105	2-year	913.00	908.47	909.56	3.44
	5-year			909.91	3.09
	10-year			910.49	2.51
	25-year			911.09	1.91
	50-year			911.44	1.56
	100-yer			911.93	1.07
SCL106	2-year	913.00	908.74	912.23	0.77
	5-year			912.35	0.65
	10-year			912.43	0.57
	25-year			912.54	0.46
	50-year			912.61	0.39
	100-yer			912.69	0.31
SCL107	2-year	914.00	908.94	912.23	1.77
	5-year			912.35	1.65
	10-year			912.44	1.56
	25-year			912.54	1.46
	50-year			912.61	1.39
	100-yer			912.70	1.30
SCL108	2-year	914.00	909.11	912.40	1.60
	5-year			912.51	1.49
	10-year			912.57	1.43
	25-year			912.66	1.34
	50-year			912.72	1.28
	100-yer			912.80	1.20

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL109	2-year	914.00	909.30	912.41	1.59
	5-year			912.52	1.48
	10-year			912.58	1.42
	25-year			912.68	1.32
	50-year			912.74	1.26
	100-yer			912.83	1.17
SCL110	2-year	914.00	909.43	912.47	1.53
	5-year			912.59	1.41
	10-year			912.65	1.35
	25-year			912.74	1.26
	50-year			912.81	1.19
	100-yer			912.89	1.11
SCL111	2-year	914.00	909.50	912.47	1.53
	5-year			912.60	1.40
	10-year			912.66	1.34
	25-year			912.76	1.24
	50-year			912.82	1.18
	100-yer			912.91	1.09
SCL112	2-year	914.00	909.69	912.51	1.49
	5-year			912.64	1.36
	10-year			912.71	1.29
	25-year			912.80	1.20
	50-year			912.87	1.13
	100-yer			912.95	1.05
SCL113	2-year	914.00	909.77	912.52	1.48
	5-year			912.65	1.35
	10-year			912.72	1.28
	25-year			912.82	1.18
	50-year			912.88	1.12
	100-yer			912.97	1.03
SCL114	2-year	914.07	910.07	912.55	1.52
	5-year			912.68	1.39
	10-year			912.76	1.31
	25-year			912.85	1.22
	50-year			912.92	1.15
	100-yer			913.01	1.06
SCL115	2-year	914.95	910.76	912.58	2.37
	5-year			912.74	2.21
	10-year			912.83	2.12
	25-year			912.95	2.00
	50-year			913.03	1.92
	100-yer			913.14	1.81
SCL116	2-year	915.00	911.00	913.25	1.75
	5-year			913.40	1.60
	10-year			913.48	1.52
	25-year			913.56	1.44
	50-year			913.62	1.38
	100-yer			913.69	1.31

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL1A01	2-year	912.00	906.00	907.16	4.84
	5-year			907.43	4.57
	10-year			907.59	4.41
	25-year			907.96	4.04
	50-year			908.24	3.76
	100-yer			908.59	3.41
SCL1A02	2-year	912.89	906.89	907.87	5.02
	5-year			908.06	4.83
	10-year			908.16	4.73
	25-year			908.28	4.61
	50-year			908.49	4.40
	100-yer			908.74	4.15
SCL1A03	2-year	912.60	907.60	911.72	0.88
	5-year			911.80	0.80
	10-year			911.84	0.76
	25-year			911.89	0.71
	50-year			911.92	0.68
	100-yer			911.96	0.64
SCL1A04	2-vear	912.90	907.90	912.04	0.86
	5-vear			912.13	0.77
	10-vear			912.17	0.73
	25-vear			912.23	0.67
	50-vear			912.26	0.64
	100-ver			912.31	0.59
SCL1B01	2-vear	911.48	904.31	907.30	4.18
	5-vear			908.72	2.76
	10-vear			909.65	1.83
	25-vear			910.12	1.36
	50-vear			910.19	1.29
	100-ver			910.26	1.22
SCI 201	2-vear	913 85	907 85	911 72	2 13
001201	5-vear	010.00	007.00	911.95	1 90
	10-vear			911 98	1.80
	25-vear			912 02	1.87
	50-year			912.02	1.00
	100-ver			912.00	1.00
SCI 301	2-vear	013 30	000 20	012.00	0 00
501001	5-vear	010.00	503.50	912.40	0.30
	10-vear			012.50 012.50	0.00
	25-1/02r			012.04	0.70
	50-vear			012.59	0.71
	100-ver			912.03	0.07
SCI 401	2-Vezr	020 11	01/ 26	015 79	0.00 A 22
50L+01	5-vear	320.11	314.30	016 /0	4.00
	10-year			016 20	3.02
	25-vear			017 27	3.22 2.74
	20-year			010 04	2.74
	100-year			910.04	2.07
	roo-yei			919.13	0.98

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC01	2-year	895.03	887.03	892.29	2.74
	5-year			892.67	2.36
	10-year			892.90	2.13
	25-year			893.13	1.90
	50-year			893.26	1.77
	100-yer			893.59	1.44
SCMC02	2-year	899.66	891.66	892.68	6.98
	5-year			892.93	6.73
	10-year			893.06	6.60
	25-year			893.23	6.43
	50-year			893.34	6.32
	100-yer			893.47	6.19
SCMC03	2-year	907.36	902.36	902.99	4.37
	5-year			903.12	4.24
	10-year			903.19	4.17
	25-year			903.27	4.09
	50-year			903.32	4.04
	100-yer			903.39	3.97
SCMC04	2-vear	909.00	903.36	904,49	4.51
	5-vear			904.68	4.32
	10-vear			904 78	4 22
	25-year			904.90	4.10
	50-year			904.97	4.03
	100-ver			905.06	3.94
SCMC05	2-vear	911 85	903 85	905.84	6.01
	5-vear			906.25	5.60
	10-vear			906.47	5.38
	25-vear			906.76	5.09
	50-year			906.95	4.90
	100-ver			907.21	4.64
SCMC06	2-vear	912 60	904 60	905.85	6 75
Comodo	5-vear	012.00	001.00	906.26	6.34
	10-vear			906.48	6.12
	25-vear			906.76	5.84
	50-vear			906.95	5.65
	100-ver			907.21	5.39
SCMC07	2-vezr	012 70	005 15	011 10	1 60
301007	2-year	912.70	505.45	911.10	1.00
	10-year			011 //	1.30
	25-vear			011.44	1.20
	20-year			011.00 011 C2	1.13
	100-year			Q11 7/	0.07
SUNCOS	2-vear	014 56	006.06	011.74	0.30
	z-yeai 5-year	914.00	900.00	012.07	2.00
	10-year			912.07	2.49
	25-year			912.14 012.21	2.42
	20-year			312.21 010.06	2.30
	100-year			912.20	∠.30
	roo-yer			912.34	۲.۲۲

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC09	2-year	912.83	906.66	912.04	0.79
	5-year			912.22	0.61
	10-year			912.29	0.54
	25-year			912.37	0.46
	50-year			912.42	0.41
	100-yer			912.50	0.33
SCMC10	2-year	915.25	907.68	913.81	1.44
	5-year			914.43	0.82
	10-year			914.49	0.76
	25-year			914.54	0.71
	50-year			914.58	0.67
	100-yer			914.64	0.61
SCMC11	2-year	917.54	908.02	914.40	3.14
	5-year			914.86	2.68
	10-year			914.93	2.61
	25-year			914.99	2.55
	50-year			915.04	2.50
	100-yer			915.11	2.43
SCMC12	2-year	916.18	908.76	914.83	1.35
	5-year			915.11	1.07
	10-year			915.19	0.99
	25-year			915.26	0.92
	50-year			915.33	0.85
	100-yer			915.42	0.76
SCMC13	2-year	917.25	908.86	915.36	1.89
	5-year			915.49	1.76
	10-year			915.53	1.72
	25-year			915.57	1.68
	50-year			915.61	1.64
	100-yer			915.66	1.59
SCMC14	2-year	916.16	908.91	915.36	0.80
	5-year			915.49	0.67
	10-year			915.53	0.63
	25-year			915.57	0.59
	50-year			915.61	0.55
	100-yer			915.66	0.50
SCMC15	2-year	919.49	913.74	915.64	3.85
	5-year			916.40	3.09
	10-year			916.83	2.66
	25-year			917.24	2.25
	50-year			917.68	1.81
	100-yer			918.22	1.27
SCMC16	2-year	919.37	913.95	915.87	3.50
	5-year			917.22	2.15
	10-year			917.98	1.39
	25-year			918.57	0.80
	50-year			918.70	0.67
	100-yer			918.81	0.56

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC17	2-year	921.46	916.38	917.18	4.28
	5-year			917.73	3.73
	10-year			918.88	2.58
	25-year			919.93	1.53
	50-year			920.25	1.21
	100-yer			920.49	0.97
SCMC18	2-year	921.44	916.52	917.56	3.88
	5-year			917.97	3.47
	10-year			919.12	2.32
	25-year			920.29	1.15
	50-year			920.57	0.87
	100-yer			920.69	0.75
SCMC19	2-year	923.25	916.67	918.05	5.20
	5-year			918.63	4.62
	10-year			920.05	3.20
	25-year			921.61	1.64
	50-year			922.26	0.99
	100-yer			922.94	0.31
SCMC20	2-year	923.27	916.75	918.28	4.99
	5-year			919.12	4.15
	10-year			920.48	2.79
	25-year			921.61	1.66
	50-year			922.27	1.00
	100-yer			922.94	0.33
SRL0101	2-year	894.12	875.33	876.98	17.14
	5-year			877.38	16.74
	10-year			877.82	16.30
	25-year			878.32	15.80
	50-year			878.69	15.43
	100-yer			879.04	15.08
SRL0102	2-year	889.00	877.75	880.49	8.51
	5-year			880.90	8.10
	10-year			880.98	8.02
	25-year			881.06	7.94
	50-year			881.16	7.84
	100-yer			881.38	7.62
SRL0103	2-year	890.00	879.08	881.47	8.53
	5-year			881.90	8.10
	10-year			882.01	7.99
	25-year			882.19	7.81
	50-year			882.30	7.70
	100-yer			882.49	7.51
SRL0104	2-year	892.01	879.68	883.12	8.89
	5-year			883.75	8.26
	10-year			883.98	8.03
	25-year			884.45	7.56
	50-year			884.64	7.37
	100-yer			884.93	7.08

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0105	2-year	891.47	879.89	883.95	7.52
	5-year			884.90	6.57
	10-year			885.25	6.22
	25-year			886.05	5.42
	50-year			886.44	5.03
	100-yer			886.92	4.55
SRL0106	2-year	889.76	880.17	884.64	5.12
	5-year			885.84	3.92
	10-year			886.27	3.49
	25-year			886.79	2.97
	50-year			887.14	2.62
	100-yer			887.57	2.19
SRL0107	2-year	889.95	880.42	885.00	4.95
	5-year			886.38	3.57
	10-year			886.83	3.12
	25-year			887.21	2.74
	50-year			887.49	2.46
	100-ver			887.89	2.06
SRL0108	2-vear	890.00	882.98	884.86	5.14
0.120.00	5-vear		002.00	886.01	3.99
	10-vear			886.68	3.32
	25-vear			887.29	2.71
	50-vear			887.61	2 39
	100-ver			888.02	1.98
SRI 0109	2-vear	890 91	883.01	885.12	5 79
OREGIOO	5-vear	000.01	000.01	886.08	4 83
	10-vear			886 71	4 20
	25-vear			887.35	3.56
	50-vear			887.63	3 28
	100-ver			888.03	2.88
SRI 0110	2-vear	891.00	883 52	885.62	5 38
SILETIO	5-year	031.00	005.52	886.24	
	10-vear			886.80	4.70
	25-vear			887 15	7.20
	50-vear			887 75	3.00
	100-ver			888 13	2.23
SRI 0111	2-vear	801 00	884 00	886.26	2.01 1 71
SILUTIT	2-year 5-year	091.00	004.00	000.20 886 62	4.74
	10-year			886.07	4.30
	25-year			2000.97 207 52	4.03
	20-year			007.00 227.20	ى.47 2 10
	100-year			007.02	3.10 2.00
SDI 0112	2-veor	901.00	00/ 10	000.20	2.00
SKLUTIZ	Z-year	091.00	004.10	000.09	4.31
	10-year			001.00	3.92 2 70
	25 year			001.30	3.70
	25-year			000.04	3.25
	100 year			000 44	2.99
	100-yer			888.44	2.56

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0113	2-year	892.80	884.20	887.06	5.74
	5-year			887.38	5.42
	10-year			887.54	5.26
	25-year			887.92	4.88
	50-year			888.17	4.63
	100-yer			888.67	4.13
SRL0114	2-year	893.00	885.20	887.32	5.68
	5-year			887.71	5.29
	10-year			887.87	5.13
	25-year			888.31	4.69
	50-year			888.63	4.37
	100-yer			889.44	3.56
SRL0115	2-year	892.91	885.83	887.98	4.93
	5-year			888.23	4.68
	10-year			888.32	4.59
	25-year			888.62	4.29
	50-year			888.86	4.05
	100-yer			889.55	3.36
SRL0116	2-year	893.00	886.58	889.14	3.86
	5-year			890.05	2.95
	10-year			890.47	2.53
	25-year			891.39	1.61
	50-year			892.04	0.96
	100-yer			892.42	0.58
SRL0117	2-year	893.25	887.25	889.20	4.05
	5-year			890.06	3.19
	10-year			890.48	2.77
	25-year			891.39	1.86
	50-year			892.04	1.21
	100-yer			892.42	0.83
SRL0118	2-year	893.89	887.31	890.71	3.18
	5-year			892.25	1.64
	10-year			892.97	0.92
	25-year			893.18	0.71
	50-year			893.27	0.62
	100-yer			893.35	0.54
SRL0119	2-year	900.90	893.82	895.57	5.33
	5-year			898.97	1.93
	10-year			899.02	1.88
	25-year			899.06	1.84
	50-year			899.08	1.82
	100-yer			899.11	1.79
SRL0120	2-year	900.87	894.02	896.03	4.84
	5-year			899.03	1.84
	10-year			899.06	1.81
	25-year			899.09	1.78
	50-year			899.11	1.76
	100-yer			899.13	1.74

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0121	2-year	900.95	894.48	899.23	1.72
	5-year			899.39	1.56
	10-year			899.43	1.52
	25-year			899.48	1.47
	50-year			899.52	1.43
	100-yer			899.56	1.39
SRL01401	2-year	910.92	904.16	908.09	2.83
	5-year			908.20	2.72
	10-year			908.25	2.67
	25-year			908.42	2.50
	50-year			908.49	2.43
	100-yer			908.79	2.13
SRL01402	2-year	911.05	904.32	907.18	3.87
	5-year			908.28	2.77
	10-year			908.35	2.70
	25-year			908.43	2.62
	50-year			908.52	2.53
	100-yer			908.79	2.26
SRL01403	2-year	911.00	904.33	907.25	3.75
	5-year			908.32	2.68
	10-year			908.42	2.58
	25-year			908.50	2.50
	50-year			908.58	2.42
	100-yer			908.79	2.21
SRL01501	2-year	914.00	904.95	910.09	3.91
	5-year			910.14	3.86
	10-year			910.18	3.82
	25-year			910.22	3.78
	50-year			910.25	3.75
	100-yer			910.29	3.71
SRL01502	2-year	919.00	909.83	914.03	4.97
	5-year			914.19	4.81
	10-year			914.26	4.74
	25-year			914.32	4.68
	50-year			914.36	4.64
	100-yer			914.42	4.58
SRL01503	2-year	916.02	910.00	914.26	1.77
	5-year			914.43	1.59
	10-year			914.51	1.52
	25-year			914.60	1.43
	50-year			914.66	1.37
	100-yer			914.74	1.29
SRL0201	2-year	888.28	884.28	886.02	2.26
	5-year			886.74	1.54
	10-year			887.16	1.12
	25-year			887.47	0.81
	50-year			887.56	0.72
	100-yer			887.65	0.63

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0202	2-year	890.00	885.30	887.00	3.00
	5-year			887.13	2.87
	10-year			887.26	2.74
	25-year			887.54	2.46
	50-year			887.63	2.37
	100-yer			887.74	2.26
SRL0203	2-year	891.93	885.68	888.84	3.09
	5-year			890.67	1.26
	10-year			891.01	0.92
	25-year			891.08	0.85
	50-year			891.12	0.81
	100-yer			891.16	0.77
SRL0204	2-year	892.94	885.86	889.70	3.24
	5-year			890.69	2.25
	10-year			891.02	1.92
	25-year			891.09	1.85
	50-year			891.13	1.81
	100-yer			891.17	1.77
SRL0301	2-vear	889.64	880.64	885.96	3.68
	5-vear			887.80	1.84
	10-vear			888.70	0.94
	25-vear			888.90	0.74
	50-vear			888.99	0.65
	100-ver			889.09	0.55
SRL0302	2-vear	892.32	882.82	890.59	1.73
	5-vear			890.76	1.56
	10-vear			890.84	1.48
	25-vear			890.92	1.40
	50-vear			890.97	1.35
	100-ver			891.03	1.29
SRI 0303	2-vear	892 85	883 52	891 12	1 73
ONLOODO	5-vear	002.00	000.02	891.12	1.70
	10-vear			891.25	1.61
	25-vear			891.20	1.00
	50-vear			891.34	1.00
	100-ver			891 38	1.01
SRI 0304	2-vear	804 02	885 02	802.35	1 67
51120304	5-vear	034.02	000.02	802.33	1.07
	10-vear			802.44	1.50
	25-vear			802.49	1.55
	50-vear			802.00	1.47
	100-ver			802.00	1 37
SRI 0305	2-vezr	805 05	882 63	802.00	1.60
	z-year 5-vear	090.00	000.00	203.30 203.72	1.09
	10-year			2033.40 202.40	1.00
	25-year			2032.49 202 55	1.00
	20-year			093.00	1.00
	100-year			033.09	1.40
	roo-yei			093.04	1.41

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0306	2-year	897.88	890.88	896.14	1.74
	5-year			896.22	1.66
	10-year			896.26	1.62
	25-year			896.31	1.57
	50-year			896.35	1.53
	100-yer			896.39	1.49
SRL0307	2-year	897.55	891.55	896.09	1.46
	5-year			896.16	1.39
	10-year			896.20	1.35
	25-year			896.25	1.30
	50-year			896.29	1.26
	100-yer			896.34	1.21
SRL03A01	2-year	890.00	883.12	885.96	4.04
	5-year			887.80	2.20
	10-year			888.70	1.30
	25-year			888.90	1.10
	50-year			888.99	1.01
	100-yer			889.09	0.91
SRL03B01	2-vear	892.00	885.85	890.59	1.41
	5-vear			890.76	1.24
	10-vear			890.84	1.16
	25-vear			890.92	1.08
	50-vear			890.97	1.03
	100-ver			891.03	0.97
SRL0401	2-vear	898.53	890.03	894.99	3.54
01120101	5-vear	000100		895.20	3 33
	10-vear			895.31	3 22
	25-vear			895 44	3 09
	50-vear			895.53	3.00
	100-ver			895.64	2.89
SRL0402	2-vear	898 82	890.32	896 21	2 61
51120702	5-vear	000.02	000.02	896.38	2.01
	10-vear			896.46	2.36
	25-vear			896.56	2.00
	50-vear			896.63	2.20
	100-ver			896 72	2.10
SRI 0403	2-vear	900 50	803 56	808.72	1 71
51120705	5-vear	000.00	000.00	800.79	1.71
	10-vear			800 15	1 25
	25-1/02r			800 30	1.55
	20-year			800 /0	1.20
	100-vor			800 51	0.06
SBI 0404	2-V02r	007 10	000 60	005.04	1 50
UNL0404	∠-year 5_vear	307.10	300.00	005.52 005 60	1.30
	10-year			005.00	1.42
	25-vear			905.70 005.96	1.34
	50-year			300.00 005.02	1.24
	100-year			900.93	1.17
	roo-yer			906.02	80.1

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0405	2-year	914.51	905.59	910.95	3.56
	5-year			911.11	3.40
	10-year			911.20	3.31
	25-year			911.30	3.21
	50-year			911.37	3.14
	100-yer			911.46	3.05
SRL0406	2-year	913.55	905.63	911.22	2.33
	5-year			911.42	2.13
	10-year			911.52	2.03
	25-year			911.66	1.89
	50-year			911.75	1.80
	100-yer			911.87	1.68
SRL0407	2-year	915.55	906.72	912.81	2.74
	5-year			912.91	2.64
	10-year			912.96	2.59
	25-year			913.02	2.53
	50-year			913.06	2.49
	100-yer			913.11	2.44
SRL0408	2-vear	921.46	916.21	920.75	0.71
	5-vear			920.86	0.60
	10-vear			920.91	0.55
	25-vear			920.98	0.48
	50-vear			921.02	0.44
	100-ver			921.08	0.38
SRL0501	2-vear	899.11	891.11	893.35	5.76
	5-vear			893.85	5.26
	10-vear			894.23	4.88
	25-vear			895.21	3.90
	50-vear			895.67	3.44
	100-ver			896.82	2.29
SRL0601	2-vear	900.58	894.08	899.30	1.28
01120001	5-vear	000100		900.04	0.54
	10-vear			900.17	0.41
	25-year			900.30	0.28
	50-vear			900.39	0.19
	100-ver			900.49	0.09
SRI 0602	2-vear	902 58	895.08	900.77	1.81
ORECCO	5-vear	002.00	000.00	900.92	1.61
	10-vear			900.92	1.00
	25-vear			901.04	1.50
	50-year			901.04	1 49
	100-ver			901.05	1 43
SRI 0603	2-vear	904 04	806 62	907.10	1. 1 0
51120000	5-vear	504.04	000.02	902.12	1.92
	10-vear			902.10	1.00
	25-vear			QU2.21	1.03
	50-vear			002.24 002.24	1.00
	100-year			002.20 002.20	1.70
	100-yei			90Z.Z9	1.70

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0604	2-year	907.08	898.83	905.20	1.88
	5-year			905.25	1.83
	10-year			905.28	1.80
	25-year			905.31	1.77
	50-year			905.34	1.74
	100-yer			905.37	1.71
SRL0605	2-year	907.74	900.07	905.89	1.85
	5-year			905.93	1.81
	10-year			905.95	1.79
	25-year			905.98	1.76
	50-year			906.00	1.74
	100-yer			906.03	1.71
SRL0606	2-year	908.34	901.59	906.51	1.83
	5-year			906.56	1.78
	10-year			906.59	1.75
	25-year			906.62	1.72
	50-year			906.64	1.70
	100-yer			906.67	1.67
SRL0607	2-vear	908.35	903.02	906.53	1.82
	5-vear			906.57	1.78
	10-vear			906.60	1.75
	25-vear			906.63	1.72
	50-vear			906.65	1.70
	100-ver			906.68	1.67
SRL0701	2-vear	905.65	898.32	900.51	5.14
	5-vear			902.75	2.90
	10-vear			903.74	1.91
	25-vear			903.93	1.72
	50-vear			904.01	1.64
	100-ver			904.09	1.56
SRI 0702	2-vear	910 89	901 89	903 45	7 44
UNLUT UL	5-vear	010.00	001.00	906.40	4 55
	10-vear			907.95	2 94
	25-vear			908.06	2.04
	50-year			908.10	2.00
	100-ver			908 14	2.75
SRI 0703	2-vear	915 52	907 52	900.14	£.70
51120700	5-vear	010.02	501.52	Q13.00	1 02
	10-vear			913.00	1.92
	25-vear			012 72	1.00
	50-vear			012 75	1.00
	100-ver			012 70	1.77
SRI 0704	2-vear	020 20	012 16	016 //	2.04
SIXL0704	z-year 5-vear	920.30	312.40	01Q 5/	3.94 1 Q/
	10-year			018 50	1.04
	25-year			018 64	1.79
	20-year			310.04 010 67	1./4
	100-year			910.0/ 010.71	1./1
	roo-yer			910.71	1.07

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0705	2-year	921.22	914.05	919.27	1.95
	5-year			919.45	1.77
	10-year			919.49	1.73
	25-year			919.54	1.68
	50-year			919.57	1.65
	100-yer			919.61	1.61
SRL0706	2-year	924.23	917.90	922.37	1.86
	5-year			922.48	1.75
	10-year			922.52	1.71
	25-year			922.58	1.65
	50-year			922.62	1.61
	100-yer			922.67	1.56
SRL0707	2-year	924.88	919.80	924.18	0.70
	5-year			924.32	0.56
	10-year			924.38	0.50
	25-year			924.46	0.42
	50-year			924.51	0.37
	100-yer			924.58	0.30
SRL0801	2-vear	913.04	898.04	900.79	12.25
	5-vear			902.78	10.26
	10-vear			903.34	9.70
	25-vear			903.59	9.45
	50-vear			903.71	9.33
	100-ver			903.85	9.19
SRL0802	2-vear	908.96	900.00	902.37	6.59
01120002	5-vear	000100	000100	902.90	6.06
	10-vear			903.42	5.54
	25-vear			903 70	5.26
	50-vear			903.83	5 13
	100-ver			903.97	4.99
SRI 0803	2-vear	909.00	900.56	903 91	5.09
ORECOUC	5-vear	000.00	000.00	904.39	4 61
	10-vear			904.55	4 45
	25-vear			904 71	4 29
	50-vear			904.80	4.20
	100-ver			904.90	4 10
SRI 0804	2-vear	Q11 00	905 73	00.1.00	л.10 Л.11
51120004	5-vear	511.00	505.75	Q07.05	3 05
	10-vear			Q07.03	2.90
	25-vear			907.12	3.00 2.21
	50-vear			Q07.19	3.01
	100-ver			Q07.23	3.77
SRI 0001	2-1/02r	007.05	800 70	000.29	6.67
UNLUSUI	5-vear	307.00	033.70	000.30	6 11
	10-year			001 22	5.02
	25-year			001.22	5.03
	50-year			901.00	5.02 E 11
	100 year			901.01	5.44
	roo-yer			901.95	5.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0902	2-year	907.10	901.05	901.62	5.48
	5-year			901.74	5.36
	10-year			901.82	5.28
	25-year			902.16	4.94
	50-year			902.66	4.44
	100-yer			903.18	3.92
SRL0903	2-year	907.30	902.30	902.98	4.32
	5-year			903.24	4.06
	10-year			903.82	3.48
	25-year			904.38	2.92
	50-year			905.32	1.98
	100-yer			906.01	1.29
SRL0904	2-year	907.98	903.98	904.49	3.49
	5-year			904.60	3.38
	10-year			904.86	3.12
	25-year			905.87	2.11
	50-year			906.99	0.99
	100-yer			907.02	0.96
SRL09A01	2-year	909.00	899.65	901.36	7.64
	5-year			902.05	6.95
	10-year			902.53	6.47
	25-year			903.16	5.84
	50-year			903.56	5.44
	100-yer			904.08	4.92
SRL09A02	2-year	921.00	916.18	916.92	4.08
	5-year			917.05	3.95
	10-year			917.13	3.87
	25-year			917.21	3.79
	50-year			917.27	3.73
	100-yer			917.34	3.66
SRL09A03	2-year	921.00	917.18	918.81	2.19
	5-year			920.06	0.94
	10-year			920.17	0.83
	25-year			920.26	0.74
	50-year			920.31	0.69
	100-yer			920.36	0.64
SRL09B01	2-year	904.05	901.05	901.05	3.00
	5-year			901.05	3.00
	10-year			901.22	2.83
	25-year			901.53	2.52
	50-year			901.62	2.43
	100-yer			901.95	2.10
SRL1001	2-year	908.13	899.92	900.69	7.44
-	5-year			900.84	7.29
	10-year			900.90	7.23
	25-year			901.05	7.08
	50-year			901.13	7.00
	100-yer			901.23	6.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1002	2-year	908.17	900.50	901.55	6.62
	5-year			902.21	5.96
	10-year			902.50	5.67
	25-year			903.50	4.67
	50-year			904.25	3.92
	100-yer			905.50	2.67
SRL1003	2-year	908.36	902.11	903.17	5.19
	5-year			905.45	2.91
	10-year			906.39	1.97
	25-year			906.52	1.84
	50-year			906.57	1.79
	100-yer			906.63	1.73
SRL1004	2-year	908.57	903.32	904.22	4.35
	5-year			906.62	1.95
	10-year			906.66	1.91
	25-year			906.68	1.89
	50-year			906.70	1.87
	100-yer			906.71	1.86
SRL1101	2-year	910.24	899.25	903.00	7.24
	5-year			904.72	5.52
	10-year			906.33	3.91
	25-year			906.55	3.69
	50-year			906.76	3.48
	100-yer			906.92	3.32
SRL1102	2-year	912.64	902.72	905.57	7.07
	5-year			908.38	4.26
	10-year			908.84	3.80
	25-year			908.89	3.75
	50-year			908.98	3.66
	100-yer			909.05	3.59
SRL1103	2-year	913.04	904.87	907.07	5.97
	5-year			911.04	2.00
	10-year			911.16	1.88
	25-year			911.20	1.84
	50-year			911.28	1.76
	100-yer			911.34	1.70
SRL1104	2-year	915.52	907.85	908.92	6.60
	5-year			912.54	2.98
	10-year			912.70	2.82
	25-year			913.31	2.21
	50-year			913.63	1.89
	100-yer			913.66	1.86
SRL1105	2-year	919.94	912.61	913.75	6.19
	5-year			915.48	4.46
	10-year			915.82	4.12
	25-year			917.97	1.97
	50-year			918.05	1.89
	100-yer			918.08	1.86

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1106	2-year	922.46	915.38	916.80	5.66
	5-year			919.59	2.87
	10-year			920.19	2.27
	25-year			920.59	1.87
	50-year			920.62	1.84
	100-yer			920.65	1.81
SRL1107	2-year	923.53	918.03	918.65	4.88
	5-year			918.81	4.72
	10-year			918.90	4.63
	25-year			919.03	4.50
	50-year			919.13	4.40
	100-yer			919.29	4.24
SRL1108	2-year	922.90	918.40	919.05	3.85
	5-year			919.21	3.69
	10-year			919.31	3.59
	25-year			919.43	3.47
	50-year			919.54	3.36
	100-yer			919.71	3.19
SRL1109	2-year	925.00	919.99	920.74	4.26
	5-year			920.99	4.01
	10-year			921.37	3.63
	25-year			922.25	2.75
	50-year			922.97	2.03
	100-yer			924.48	0.52
SRL1110	2-year	926.00	920.49	921.19	4.81
	5-year			921.43	4.57
	10-year			921.89	4.11
	25-year			923.07	2.93
	50-year			924.02	1.98
	100-yer			925.87	0.13
SRL11A01	2-year	910.00	904.14	905.57	4.43
	5-year			908.38	1.62
	10-year			908.84	1.16
	25-year			908.89	1.11
	50-year			908.98	1.02
	100-yer			909.05	0.95
SRL11A02	2-year	911.00	904.65	905.57	5.43
	ý 5-year			908.38	2.62
	10-year			908.84	2.16
	25-year			908.89	2.11
	50-year			908.98	2.02
	100-yer			909.05	1.95
SRL11B01	2-year	912.00	907.47	907.47	4.53
	5-year			911.04	0.96
	10-year			911.16	0.84
	25-year			911.20	0.80
	50-year			911.28	0.72
	100-yer			911.34	0.66

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL11C01	2-year	914.00	909.82	909.82	4.18
	5-year			912.54	1.46
	10-year			912.70	1.30
	25-year			913.32	0.68
	50-year			913.63	0.37
	100-yer			913.66	0.34
SRL11C02	2-year	915.00	910.25	910.25	4.75
	5-year			912.55	2.45
	10-year			912.70	2.30
	25-year			913.32	1.68
	50-year			913.63	1.37
	100-yer			913.66	1.34
SRL11D01	2-year	919.00	913.98	913.98	5.02
	5-year			915.48	3.52
	10-year			915.82	3.18
	25-year			917.97	1.03
	50-year			918.05	0.95
	100-yer			918.09	0.91
SRL11E01	2-vear	919.00	913.35	913.75	5.25
	5-vear			915.48	3.52
	10-vear			915.82	3.18
	25-vear			917.97	1.03
	50-vear			918.05	0.95
	100-ver			918.09	0.91
SRL11F01	2-vear	921.00	916.54	916.80	4.20
	5-vear			919.59	1.41
	10-vear			920.19	0.81
	25-vear			920.59	0.41
	50-vear			920.62	0.38
	100-ver			920.65	0.35
SRI 11F02	2-vear	920 72	917 47	917 47	3 25
0112111-02	5-vear	020.72	017117	919.59	1 13
	10-vear			920 19	0.53
	25-vear			920.59	0.00
	50-vear			920.62	0.10
	100-ver			920.65	0.10
SRI 1201	2-Vezr	00 200	800 20	000.36	5.67
	5-vear	300.00	033.29	00.30 300.30	3.04 २.२२
	10-vear			002.02 002.02	3.30 2.30
	25-1/02r			902.94	2 76
	50-vear			003.24	2.70
	100-ver			003.34 003.72	2.00
SRI 1202	2-vear	20 200	800 55	001 FF	2.20 1 10
UNE 1202	5-vear	300.03	099.00	002 62	4.40 2 /1
	10-year			002.02 002.02	3.41
	25-vear			902.94 002.24	2.09
	20-year			903.24 002.24	2.19
	100-year			303.34 002 72	∠.09 2.21
	roo-yei			9U3.7Z	2.31

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1601	2-year	914.97	910.07	911.19	3.78
	5-year			912.29	2.68
	10-year			913.07	1.90
	25-year			913.63	1.34
	50-year			914.13	0.84
	100-yer			914.32	0.65
SRL1602	2-year	921.21	916.46	919.29	1.92
	5-year			919.33	1.88
	10-year			919.35	1.86
	25-year			919.37	1.84
	50-year			919.38	1.83
	100-yer			919.40	1.81
SRL1701	2-year	919.39	910.56	915.69	3.70
	5-year			915.94	3.45
	10-year			916.02	3.37
	25-year			916.11	3.28
	50-year			916.18	3.21
	100-yer			916.26	3.13
SRL1702	2-vear	925.42	916.09	919.30	6.12
	5-vear			920.55	4.87
	10-vear			920.59	4.83
	25-vear			920.63	4.79
	50-vear			920.66	4.76
	100-ver			920.70	4.72
SRL1703	2-vear	923.53	917.45	921.25	2.28
	5-vear	0_0.00	0	921.72	1.81
	10-vear			921.76	1.77
	25-vear			921.81	1.72
	50-vear			921.84	1.69
	100-ver			921.88	1.65
SRI 1704	2-vear	930 15	924 48	926.03	4 12
01121701	5-vear	000110	02 11 10	928 22	1.93
	10-vear			928.27	1.88
	25-vear			928.31	1.80
	50-vear			928.34	1.04
	100-ver			928.37	1.01
SRI 1705	2-vear	930 16	925 58	927.13	3.03
OREITOS	5-vear	550.10	525.50	928.36	1.80
	10-vear			028.30	1.00
	25-vear			920.39	1.77
	50-vear			920.43	1.73
	100-ver			920.40	1.70
SRI 17401	2-vear	021.00	016 91	010 20	1.07
GILLITAUI	2-year 5-year	321.00	310.01	020 55	0.45
	10-year			920.00 020 F0	0.45
	25-year			920.39	0.41
	20-year			920.03	0.37
	100-year			920.00	0.34
	roo-yei			920.70	0.30

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL17B01	2-year	922.00	918.18	921.25	0.75
	5-year			921.72	0.28
	10-year			921.76	0.24
	25-year			921.81	0.19
	50-year			921.84	0.16
	100-yer			921.88	0.13
SRL1801	2-year	929.93	916.74	917.80	12.12
	5-year			918.00	11.93
	10-year			918.11	11.82
	25-year			918.22	11.70
	50-year			918.31	11.62
	100-yer			918.39	11.54
SRL1802	2-year	929.00	918.60	920.85	8.15
	5-year			921.37	7.63
	10-year			921.83	7.17
	25-year			923.49	5.51
	50-year			924.55	4.45
	100-yer			925.73	3.27
SRL1803	2-year	933.00	924.00	925.87	7.13
	5-year			926.16	6.84
	10-year			926.33	6.67
	25-year			926.55	6.45
	50-year			926.68	6.32
	100-yer			926.83	6.17
SRL1804	2-year	932.68	924.20	926.10	6.58
	5-year			926.44	6.25
	10-year			926.62	6.06
	25-year			926.87	5.82
	50-year			927.01	5.67
	100-yer			927.19	5.50
SRL1805	2-year	935.00	925.00	929.05	5.95
	5-year			929.36	5.64
	10-year			929.48	5.52
	25-year			929.65	5.35
	50-year			929.73	5.27
	100-yer			929.82	5.18
SRL1806	2-year	940.59	930.09	931.89	8.70
	5-year			933.47	7.12
	10-year			935.16	5.43
	25-year			935.70	4.89
	50-year			935.74	4.85
	100-yer			935.79	4.80
SRL1807	2-year	937.02	930.70	933.12	3.90
	5-year			935.12	1.90
	10-year			935.42	1.60
	25-year			935.74	1.28
	50-year			935.78	1.24
	100-yer			935.83	1.19

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1808	2-year	938.41	930.91	933.49	4.92
	5-year			935.81	2.60
	10-year			936.35	2.06
	25-year			936.51	1.90
	50-year			936.54	1.87
	100-yer			936.57	1.84
SRL1809	2-year	937.57	932.40	934.86	2.71
	5-year			935.97	1.60
	10-year			936.36	1.21
	25-year			936.52	1.05
	50-year			936.55	1.02
	100-yer			936.59	0.98
SRL18A01	2-year	933.26	926.26	930.04	3.22
	5-year			932.40	0.86
	10-year			932.58	0.68
	25-year			932.72	0.54
	50-year			932.80	0.46
	100-yer			932.88	0.38
SRL18A02	2-vear	935.66	927.66	930.59	5.07
	5-vear			932.76	2.90
	10-vear			932.81	2.85
	25-vear			932.85	2.81
	50-vear			932.88	2.78
	100-ver			932.91	2.75
SRL18A03	2-vear	933.85	927.85	931.09	2.76
	5-vear			932.76	1.09
	10-vear			932.81	1.04
	25-vear			932.85	1.00
	50-vear			932.88	0.97
	100-ver			932.91	0.94
SRI 1901	2-vear	928.02	925.02	925 49	2 53
0.121001	5-vear	020102	020102	925.58	2 44
	10-vear			925.63	2.39
	25-vear			925 70	2.00
	50-vear			925.70	2.02
	100-ver			925.80	2.20
SRI 1902	2-vear	Q21 50	925 17	929.00	2.22
SILLIGUZ	5-vear	001.00	525.17	920.01	1 02
	10-vear			929.60	1.00
	25-1/02r			929.00	1.30
	50-vear			929.03	1.07
	100-ver			929.00	1.00
SRI 1002	2_vear	033 00	077 67	020.07	1.00
SIL 1903	∠-year 5_vear	355.00	321.01	929.00	2.92
	10-year			030.09	2.91
	25-vear			930.20	2.72
	50-year			930.00	2.40
	100-year			930.00	2.12
	roo-yei			931.04	1.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL2001	2-year	932.00	922.92	923.54	8.46
	5-year			923.68	8.32
	10-year			923.75	8.25
	25-year			923.83	8.17
	50-year			923.89	8.11
	100-yer			923.96	8.04
SRL2002	2-year	934.58	926.16	931.77	2.81
	5-year			931.94	2.64
	10-year			932.02	2.56
	25-year			932.11	2.47
	50-year			932.18	2.40
	100-yer			932.25	2.33
SRL2003	2-year	933.65	926.92	932.03	1.61
	5-year			932.17	1.48
	10-vear			932.23	1.41
	25-vear			932.31	1.33
	50-vear			932.37	1.28
	100-ver			932.44	1.21
SRI 2101	2-vear	946 74	934 45	935 74	11.00
01122101	5-vear			938.34	8 40
	10-vear			941 59	5 15
	25-vear			942.99	3 75
	50-vear			943 11	3 63
	100-ver			943 23	3.52
SRI 2102	2-vear	946 86	935 90	938.07	8 79
OTTELTOL	5-vear	0 10.00	000.00	942 16	4 70
	10-vear			943.24	3.62
	25-vear			943.42	3 44
	50-vear			943.42	3 39
	100-ver			943 54	3 32
SPI 2103	2-voar	045.04	036 72	030.20	6.65
SIXL2105	Z-year	343.34	930.72	042.23	2 71
	10-voor			943.23	2.71
	25-year			0/2 5/	2.02
	20-year			0/2 50	2.40
	100-year			0/3 FE	2.ວວ ງ ງຊ
SDI 2004	2 voor	002.00	007 00	940.00 000.05	2.20
SKLOUI	Z-yeai	093.00	007.03	092.30	0.00
	5-year			092.44	0.50
	25 year			092.49	0.51
	20-year			092.00	0.45
	100-year			092.00	0.40
SDMCOO	2 voor	002.00	860 OF	032.00	CC.U
SKIVICUU	Z-year	903.00	000.95	003.23	39.77
	o-year			003.09	39.41
	10-year			803.79	39.21
	Zo-year			804.01	38.99
	ou-year			864.17	38.83
	100-yer			864.37	38.63
					Max WSE
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		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC01	2-year	902.85	866.00	868.29	34.56
	5-year			868.65	34.20
	10-year			868.84	34.01
	25-year			869.07	33.78
	50-year			869.22	33.63
	100-yer			869.42	33.43
SRMC04	2-year	894.26	871.15	875.31	18.95
	5-year			876.26	18.00
	10-year			876.75	17.51
	25-year			877.38	16.88
	50-year			877.81	16.45
	100-yer			878.37	15.89
SRMC05	2-year	888.00	871.87	875.44	12.56
	5-year			876.34	11.66
	10-year			876.82	11.18
	25-year			877.44	10.56
	50-year			877.86	10.14
	100-yer			878.42	9.58
SRMC06	2-vear	888.00	879.65	884.79	3.21
	5-vear		010100	885.27	2.73
	10-vear			885.48	2 52
	25-year			885.71	2.29
	50-year			885.86	2.14
	100-ver			886.02	1.98
SRMC07	2-vear	889.35	880 54	884 86	4 49
	5-vear			885.55	3.80
	10-vear			885.88	3.47
	25-year			886.20	3.15
	50-vear			886.42	2.93
	100-ver			886.74	2.61
SRMC08	2-vear	888.38	880 90	884 93	3 45
	5-year	000.00	000.00	885.68	2 70
	10-vear			886.04	2.70
	25-vear			886.37	2.01
	50-vear			886.61	1 77
	100-ver			886.99	1.39
SRMC09	2-vear	890 89	882.68	886.40	4 49
01111000	5-vear	000.00	002.00	887.05	3.84
	10-vear			887 32	3.04
	25-vear			887 69	3.07
	50-vear			887 87	3.21
	100-ver			888 10	2 70
SRMC10	2-vear	801 60	883 60	887 04	2.70 1 65
	5-vear	091.09	005.09	207.04 227.77	4.00
	10-vear			288 07	3.92
	25-vear			888 18	2.02
	50-vear			200.40 202 72	
	100-year			880 08	2.37
	100-yei			009.00	2.01

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC11	2-year	895.00	884.43	887.79	7.21
	5-year			888.47	6.53
	10-year			888.81	6.19
	25-year			889.27	5.73
	50-year			889.53	5.47
	100-yer			889.85	5.15
SRMC12	2-year	895.60	885.10	889.09	6.51
	5-year			889.85	5.75
	10-year			890.24	5.36
	25-year			890.78	4.82
	50-year			891.30	4.30
	100-yer			892.06	3.54
SRMC13	2-year	896.04	889.71	891.01	5.03
	5-year			891.24	4.80
	10-year			891.38	4.66
	25-year			891.71	4.33
	50-year			892.12	3.92
	100-yer			893.19	2.85
SRMC14	2-year	896.73	890.00	892.61	4.12
	5-year			892.81	3.92
	10-year			893.00	3.73
	25-year			893.51	3.22
	50-year			893.81	2.92
	100-yer			894.27	2.46
SRMC15	2-year	897.00	890.15	893.36	3.64
	5-year			893.72	3.28
	10-year			893.94	3.06
	25-year			894.37	2.63
	50-year			894.85	2.15
	100-yer			895.66	1.34
SRMC16	2-year	898.94	891.05	893.73	5.21
	5-year			894.23	4.71
	10-year			894.53	4.41
	25-year			895.78	3.16
	50-year			896.10	2.84
	100-yer			896.38	2.56
SRMC18	2-year	899.00	891.24	893.96	5.04
	5-year			894.47	4.53
	10-year			894.80	4.20
	25-year			895.93	3.07
	50-year			896.37	2.63
	100-yer			896.82	2.18
SRMC19	2-year	901.84	891.84	894.48	7.36
-	5-year			895.02	6.82
	10-year			895.42	6.43
	25-vear			896.33	5.51
	50-year			896.93	4.91
	100-yer			897.80	4.04

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC20	2-year	905.00	893.82	898.22	6.78
	5-year			898.67	6.33
	10-year			899.09	5.91
	25-year			899.51	5.49
	50-year			899.55	5.45
	100-yer			899.58	5.42
SRMC22	2-year	913.00	896.70	899.22	13.78
	5-year			899.97	13.03
	10-year			900.56	12.44
	25-year			901.32	11.68
	50-year			901.59	11.42
	100-yer			902.13	10.87
SRMC23	2-year	909.00	896.81	900.37	8.63
	5-year			900.91	8.09
	10-year			901.21	7.79
	25-year			901.52	7.48
	50-year			901.60	7.40
	100-yer			901.95	7.05
SRMC24	2-year	909.00	897.00	900.53	8.47
	5-year			901.15	7.85
	10-year			901.53	7.47
	25-year			901.91	7.09
	50-year			902.01	6.99
	100-yer			902.48	6.52
SRMC25	2-year	910.00	897.45	902.03	7.97
	5-year			902.64	7.36
	10-year			902.94	7.06
	25-year			903.24	6.76
	50-year			903.34	6.66
	100-yer			903.71	6.29
SRMC26	2-year	907.59	899.89	904.33	3.26
	5-year			905.04	2.55
	10-year			905.26	2.33
	25-year			905.47	2.12
	50-year			905.53	2.06
	100-yer			905.79	1.80
SRMC27	2-year	907.69	900.69	904.30	3.39
	5-year			905.26	2.43
	10-year			905.61	2.08
	25-year			905.88	1.81
	50-year			905.97	1.72
	100-yer			906.43	1.26
SRMC28	2-year	911.00	904.00	907.43	3.57
	5-year			907.70	3.30
	10-year			907.88	3.12
	25-year			908.06	2.94
	50-year			908.11	2.89
	100-yer			908.36	2.64

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC29	2-year	913.00	904.11	907.65	5.35
	5-year			908.02	4.98
	10-year			908.21	4.79
	25-year			908.42	4.58
	50-year			908.48	4.52
	100-yer			908.79	4.21
SRMC30	2-year	911.00	904.51	908.25	2.75
	5-year			908.74	2.26
	10-year			909.09	1.91
	25-year			909.45	1.55
	50-year			909.57	1.43
	100-yer			910.04	0.96
SRMC31	2-year	917.43	905.43	908.76	8.67
	5-year			909.99	7.44
	10-year			910.39	7.04
	25-year			910.80	6.63
	50-year			910.97	6.46
	100-yer			911.37	6.06
SRMC32	2-year	920.00	908.00	910.10	9.90
	5-year			911.08	8.92
	10-year			911.41	8.59
	25-year			912.84	7.16
	50-year			913.38	6.62
	100-yer			913.71	6.29
SRMC33	2-year	914.81	908.44	910.51	4.30
	5-year			911.39	3.42
	10-year			911.75	3.06
	25-year			913.17	1.64
	50-year			913.81	1.00
	100-yer			914.18	0.63
SRMC34	2-year	916.87	909.00	911.01	5.86
	5-year			911.81	5.07
	10-year			912.18	4.70
	25-year			913.47	3.40
	50-year			914.18	2.69
	100-yer			914.60	2.27
SRMC35	2-year	919.27	909.33	912.69	6.58
	5-year			913.25	6.01
	10-year			913.55	5.72
	25-year			914.21	5.06
	50-year			914.77	4.50
	100-yer			915.19	4.08
SRMC36	2-year	918.00	911.95	913.29	4.71
	5-year			913.88	4.12
	10-year			914.53	3.47
	25-vear			915.70	2.30
	50-year			917.00	1.00
	100-yer			917.82	0.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC37	2-year	920.00	912.78	914.91	5.09
	5-year			915.34	4.66
	10-year			915.89	4.11
	25-year			916.43	3.57
	50-year			916.70	3.30
	100-yer			916.96	3.04
SRMC38	2-year	924.00	915.47	916.06	7.94
	5-year			916.52	7.48
	10-year			916.87	7.13
	25-year			917.20	6.80
	50-year			917.37	6.63
	100-yer			917.54	6.46
SRMC39	2-year	926.89	915.91	916.91	9.98
	5-year			917.65	9.24
	10-year			918.14	8.75
	25-year			918.55	8.34
	50-year			918.75	8.14
	100-yer			918.96	7.93
SRMC40	2-year	931.00	918.64	925.52	5.48
	5-year			926.66	4.34
	10-year			927.03	3.97
	25-year			927.46	3.54
	50-year			927.75	3.25
	100-yer			928.16	2.84
SRMC41	2-year	934.00	921.32	922.55	11.45
	5-year			922.81	11.19
	10-year			922.93	11.07
	25-year			923.08	10.92
	50-year			923.19	10.81
	100-yer			923.33	10.67
SRMC42	2-year	943.39	927.46	929.57	13.82
	5-year			929.81	13.58
	10-year			929.93	13.46
	25-year			930.07	13.32
	50-year			930.18	13.21
	100-yer			930.31	13.08
SRMC43	2-year	945.50	927.61	930.12	15.38
	5-year			930.64	14.86
	10-year			930.92	14.58
	25-year			931.50	14.00
	50-year			931.97	13.53
	100-yer			932.85	12.65
SRMC44	2-year	942.54	927.67	930.20	12.34
	5-year			930.82	11.72
	10-year			931.10	11.44
	25-year			931.81	10.73
	50-year			932.36	10.18
	100-yer			933.35	9.19

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SYMC00	2-year	903.00	870.86	871.38	31.62
	5-year			871.49	31.51
	10-year			871.56	31.44
	25-year			871.63	31.37
	50-year			871.69	31.31
	100-yer			871.75	31.25
SYMC01	2-year	906.94	900.61	901.13	5.81
	5-year			901.25	5.69
	10-year			901.31	5.63
	25-year			901.38	5.56
	50-year			901.44	5.50
	100-yer			901.50	5.44
SYMC02	2-year	907.20	900.87	902.25	4.95
	5-year			902.55	4.65
	10-year			902.72	4.48
	25-year			902.97	4.23
	50-year			903.19	4.01
	100-yer			903.71	3.49
SYMC03	2-vear	912.79	906.71	907.48	5.31
	5-vear			907.67	5.13
	10-vear			907.76	5.03
	25-vear			907.89	4.90
	50-vear			907.98	4.81
	100-ver			908.10	4.69
SYMC04	2-vear	916.08	910.66	911.37	4.71
	5-vear			911.52	4.56
	10-vear			911.61	4.47
	25-vear			911.71	4.37
	50-vear			911.79	4.29
	100-ver			911.90	4.18
SYMC05	2-vear	916.13	911.21	912.38	3.75
	5-vear	0.01.0		912.68	3.45
	10-vear			912.96	3.17
	25-vear			913 70	2 43
	50-vear			914 11	2.10
	100-ver			914.64	1.49
UWI 101	2-vear	913 00	902 91	003 87	Q 12
5 WEI01	5-vear	010.00	502.91	903.07	9.13 9.07
	10-vear			904.00	9.07
	25-year			904.00	8 Q1
	50-year			904.14	8.86
	100-ver			904.14	8 80
UWI 201	2-vear	920.00	908 00	910 68	0.30 0.32
511201	5-vear	520.00	500.00	910.00	0.02 0.01
	10-vear			Q11 00	9.04 8 Q1
	25-vear			Q11 22	Q 77
	50-vear			011.23	۲۲.0 ۵۵ ۶
	100-year			Q11.34	0.00 Q 55
	100-yei			ອ11.40	0.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
UWL301	2-year	931.00	915.78	916.58	14.42
	5-year			916.78	14.22
	10-year			916.90	14.10
	25-year			917.03	13.97
	50-year			917.11	13.89
	100-yer			917.22	13.78
UWL302	2-year	959.00	946.34	947.94	11.06
	5-year			948.33	10.67
	10-year			948.51	10.49
	25-year			948.74	10.26
	50-year			948.88	10.12
	100-yer			949.05	9.95
UWMC00	2-year	897.00	884.53	891.98	5.02
	5-year			893.12	3.88
	10-year			893.60	3.40
	25-year			894.03	2.97
	50-year			894.27	2.73
	100-ver			894.77	2.23
UWMC01	2-vear	897.00	885.58	892.54	4.46
	5-vear			893.49	3.51
	10-vear			893.97	3.03
	25-vear			894.43	2.57
	50-vear			894 77	2 23
	100-ver			895.23	1 77
UWMC02	2-vear	900.00	886.00	892.69	7.31
01111002	5-vear	000.00	000.00	893.59	6 41
	10-vear			894.06	5 94
	25-vear			894 51	5 49
	50-vear			894.86	5 14
	100-ver			895.31	4 69
	2-vear	900.00	886 32	892 72	7 28
0 111003	5-year	300.00	000.02	803.80	6.20
	10-vear			80/ 35	5.65
	25-year			80/ 08	5.03
	50-year			205 12 205 12	5.02 1 67
	100-year			806.03	4.37
	2 year	012.00	002.00	030.03	3.97
0 111004	Z-year	913.00	093.90	090.33	16.07
	5-year			090.92	10.00
	25 year			031.23	10.//
	20-year			037.01	10.39
	100 year			10.160	10.13
		011.00	00E 00	030.20	14.00
0 101005	z-year	911.00	895.00	897.49	13.51
	o-year			898.07	12.93
	10-year			000.38	12.02
	∠o-year			898.75	12.25
	ou-year			899.01	11.99
	100-yer			899.33	11.67

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
UWMC06	2-year	912.00	901.39	902.92	9.08
	5-year			903.29	8.71
	10-year			903.49	8.51
	25-year			903.73	8.27
	50-year			903.89	8.11
	100-yer			904.09	7.91
UWMC07	2-year	920.00	902.70	906.71	13.29
	5-year			907.40	12.60
	10-year			907.76	12.24
	25-year			908.19	11.81
	50-year			908.48	11.52
	100-yer			908.83	11.17
UWMC08	2-year	922.00	907.00	908.95	13.05
	5-year			909.38	12.62
	10-vear			909.60	12.40
	25-vear			909.88	12.12
	50-vear			910.07	11.93
	100-ver			910.31	11.69
UWMC09	2-vear	945.00	924.05	925.39	19.61
01111000	5-vear	0 10100	02 1100	925 74	19.26
	10-vear			925.93	19.07
	25-vear			926.15	18.85
	50-vear			926.30	18 70
	100-ver			926.48	18.52
UWMC10	2-vear	956.00	935 70	938 40	17.60
01111010	5-vear	000.00	000.70	939.40	16.97
	10-vear			939 35	16.65
	25-vear			939 74	16.00
	50-vear			000.14	16.20
	100-year			939.99	15.01
	2-year	066.00	0/5 11	946.34	10.70
	Z-year	900.00	945.11	940.34	19.00
	10-year			940.71	19.29
	25 year			940.09	19.11
	20-year			947.10	10.90
	100-year			0/7 //	10.75
	2 voor	1002.00	001 50	341.44	10.00
	z-year	1002.00	984.96	980.98	15.02
	5-year			987.50	14.50
	10-year			987.74	14.26
	∠5-year			988.04	13.96
	100 year			988.23	13.77
	100-yer	004.00	004 74	988.46	13.54
VCL102	∠-year	904.00	891.74	893.32	10.68
	5-year			893.71	10.29
	10-year			893.92	10.08
	25-year			894.16	9.84
	50-year			894.33	9.67
	100-yer			894.54	9.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
VCL201	2-year	936.00	926.49	927.29	8.71
	5-year			927.43	8.57
	10-year			927.50	8.50
	25-year			927.59	8.41
	50-year			927.65	8.35
	100-yer			927.72	8.28
VCMC01	2-year	890.00	860.79	863.66	26.34
	5-year			864.63	25.37
	10-year			865.12	24.88
	25-year			865.57	24.43
	50-year			865.78	24.22
	100-yer			866.03	23.97
VCMC02	2-year	890.00	873.67	877.46	12.54
	5-year			878.60	11.40
	10-year			879.19	10.81
	25-year			879.97	10.03
	50-year			880.38	9.62
	100-yer			880.83	9.17
VCMC03	2-vear	910.00	882.12	884.97	25.03
	5-vear	0.0.00		885.32	24.68
	10-vear			885.50	24 50
	25-year			885.72	24.29
	50-year			885.85	24.15
	100-ver			886.05	23.95
VCMC04	2-vear	926.00	908 57	910 73	15 27
	5-vear	0_0.00		911.18	14.82
	10-vear			911 40	14 60
	25-year			911.66	14.34
	50-year			911.84	14 16
	100-ver			912.05	13.95
VCMC05	2-vear	933.00	925 16	926 64	6 36
VOINIOUU	5-vear	000.00	020.10	926.87	6.00
	10-vear			926.08	6.02
	25-vear			927.12	5.88
	50-vear			927.12	5.00
	100-year			927.21	5.68
	2-voar	033.00	026.06	028.47	4.53
VCIVICUO	z-year	933.00	920.90	920.47	4.55
	J-year			920.79	4.21
	25-vear			920.93	4.00
	50-vear			929.13 020.20	ی.00 ۲1 ع
	100-year			929.29	3.71
	2_voor	040.00	033 00	JZJ.40	3.04 1 OF
	2-year	940.00	933.68	930.15	4.60
	10-year			300.00 025 11	4.00
	25 year			930.44	4.00
	20-year			930.00	4.44
	100 year			935.04	4.30
1	roo-yer			935.73	4.27

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
VCMC08	2-year	952.00	939.98	940.91	11.09
	5-year			941.06	10.94
	10-year			941.13	10.87
	25-year			941.22	10.78
	50-year			941.28	10.72
	100-yer			941.35	10.65
W13L101	2-year	906.79	901.29	903.14	3.65
	5-year			903.52	3.27
	10-year			903.71	3.08
	25-year			904.13	2.66
	50-year			905.02	1.77
	100-yer			905.80	0.99
W13L102	2-year	910.74	903.74	905.11	5.63
	5-year			906.84	3.90
	10-year			908.18	2.56
	25-year			908.83	1.91
	50-year			908.89	1.85
	100-yer			908.94	1.80
W13L103	2-vear	916.97	911.48	912.16	4.81
	5-vear			912.47	4.50
	10-vear			915.39	1.58
	25-vear			916.01	0.96
	50-vear			916.02	0.95
	100-ver			916.04	0.93
W13L1A01	2-vear	906.21	902.63	903.14	3.07
	5-vear			903.52	2.69
	10-vear			903.71	2.50
	25-vear			904.13	2.08
	50-vear			905.02	1.19
	100-ver			905.80	0.41
W13L1B01	2-vear	909.56	903.98	905.54	4.02
	5-vear			907.56	2 00
	10-vear			908.84	0.72
	25-vear			909.03	0.53
	50-vear			909.08	0.00
	100-ver			909.13	0.43
W13I 1C01	2-vear	916 48	911 97	912 59	3 89
	5-vear	010.40	511.57	912.00	3 73
	10-vear			915 45	1 03
	25-vear			916.05	0 43
	50-vear			916.07	0.40
	100-ver			916.09	0.39
W13I 201	2-vear	908 80	903 95	904 90	3 99
	5-vear	000.00	000.00	905 10	3 79
	10-vear			905.10	3 69
	25-vear			905.20	3.55
	50-vear			905.41	3 48
	100-ver			905 52	3.37
	100 901			000.02	0.07

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
W13L202	2-year	909.00	904.00	905.17	3.83
	5-year			905.40	3.60
	10-year			905.52	3.48
	25-year			905.67	3.33
	50-year			905.78	3.22
	100-yer			905.91	3.09
W13L301	2-year	913.00	908.38	909.15	3.85
	5-year			909.48	3.52
	10-year			909.66	3.34
	25-year			909.89	3.11
	50-year			910.06	2.94
	100-yer			910.28	2.72
W13L401	2-year	918.00	915.34	915.76	2.24
	5-year			915.86	2.14
	10-year			915.91	2.09
	25-year			915.99	2.01
	50-year			916.05	1.95
	100-yer			916.14	1.86
W13MC01	2-year	909.00	903.31	904.12	4.88
	5-year			904.23	4.77
	10-year			904.29	4.71
	25-year			904.35	4.65
	50-year			904.40	4.60
	100-yer			904.45	4.55
W13MC02	2-year	915.00	907.00	907.37	7.63
	5-year			907.45	7.55
	10-year			907.50	7.50
	25-year			907.55	7.45
	50-year			907.59	7.41
	100-yer			907.64	7.36
W13MC03	2-year	915.08	907.25	909.15	5.93
	5-year			909.48	5.60
	10-year			909.66	5.42
	25-year			909.89	5.19
	50-year			910.06	5.02
	100-yer			910.28	4.80
W13MC04	2-year	919.00	913.59	914.95	4.05
	5-year			915.23	3.77
	10-year			915.39	3.61
	25-year			915.59	3.41
	50-year			915.73	3.27
	100-yer			915.92	3.08
WLL101	2-vear	897.24	881.28	883.49	13.75
	5-year			884.01	13.23
	10-year			884.80	12.44
	25-year			886.87	10.37
	50-year			888.68	8.56
	100-yer			890.36	6.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL102	2-year	896.59	883.84	886.07	10.52
	5-year			886.58	10.01
	10-year			886.94	9.65
	25-year			888.83	7.76
	50-year			891.02	5.57
	100-yer			892.56	4.03
WLL103	2-year	895.77	885.94	888.16	7.61
	5-year			888.67	7.10
	10-year			889.01	6.76
	25-year			890.44	5.33
	50-year			892.89	2.88
	100-yer			894.54	1.23
WLL104	2-year	895.00	886.50	889.32	5.68
	5-year			889.91	5.09
	10-year			890.29	4.71
	25-year			891.57	3.43
	50-year			893.57	1.43
	100-yer			894.61	0.39
WLL105	2-vear	896.68	887.10	889.21	7.47
	5-vear			889.83	6.85
	10-vear			890.23	6.45
	25-vear			891.62	5.06
	50-vear			893.73	2.95
	100-ver			894.81	1.87
WLL106	2-vear	902.03	888.84	890.04	11.99
	5-vear			890.42	11.61
	10-vear			890.93	11.10
	25-vear			892.57	9.46
	50-vear			895.87	6.16
	100-ver			895.89	6.14
WLL107	2-vear	898.17	889.17	890.37	7.80
	5-vear			890.65	7.52
	10-vear			891.05	7.12
	25-vear			892 83	5.34
	50-vear			895.97	2 20
	100-ver			896.18	1.99
WLI 108	2-vear	901 14	895 14	895.88	5 26
	5-vear	001.14	000.14	896.02	5 12
	10-vear			896.09	5.05
	25-vear			896.20	4 94
	50-vear			897 20	3 94
	100-ver			898 59	2 55
WI I 109	2-vear	901 27	895 31	896.97	2.00 4 30
	5-vear	001.27	000.01	897 59	3.68
	10-vear			898 17	3 10
	25-year			899.17	2 18
	50-year			800.09	1 78
	100-ver			900.49	1.70 A8 ()
	100-yei			300.41	0.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL1A01	2-year	897.84	892.17	896.03	1.81
	5-year			896.16	1.68
	10-year			896.23	1.61
	25-year			896.31	1.53
	50-year			896.38	1.46
	100-yer			896.45	1.39
WLL1A02	2-year	897.93	892.93	896.70	1.23
	5-year			897.11	0.82
	10-year			897.18	0.75
	25-year			897.26	0.67
	50-year			897.31	0.62
	100-yer			897.37	0.56
WLL1B01	2-year	899.00	893.42	898.15	0.85
	5-year			898.27	0.73
	10-year			898.32	0.68
	25-year			898.39	0.61
	50-vear			898.45	0.55
	100-ver			898.51	0.49
WLL201	2-vear	889.00	877.86	878.94	10.06
	5-vear		011100	879.92	9.08
	10-vear			880.95	8.05
	25-vear			883 29	5 71
	50-vear			885.32	3.68
	100-ver			886.91	2 09
WI I 202	2-vear	890.34	883.34	884.09	6.25
WELLOL	5-vear	000.01	000.01	884 24	6.10
	10-vear			884 31	6.13
	25-vear			884 41	5.00
	50-vear			886.43	3 91
	100-ver			886.92	3 42
WI I 301	2-vear	892 59	882 59	885.25	7 34
VLLOUT	5-vear	002.00	002.00	886.38	6.21
	10-vear			886.95	5.64
	25-vear			889.89	2 70
	50-vear			890.04	2.70
	100-year			890.18	2.55
W/LL 302	2-voar	015.00	886 75	888.00	27.00
VVLL302	z-year 5-year	915.00	000.75	888.40	27.00
	10-voor			888 72	20.31
	25 year			800.72	20.20
	20-year			800.02	24.90
	100-year			800.42	24.30
WI 1 303	2-vear	806 00	800 1 º	Q01_01	24.00
VVLLOUO	2-year	090.00	090.10	16.160	4.09
	10-year			032.20 802.20	3.00
	25-year			032.29	3.71
	20-year			092.49 202.61	3.01
	100-year			032.01	3.39
	roo-yer			092.70	3.24

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL304	2-year	896.00	890.22	892.18	3.82
	5-year			892.59	3.41
	10-year			892.70	3.30
	25-year			892.93	3.07
	50-year			893.08	2.92
	100-yer			893.27	2.73
WLL305	2-year	896.08	890.36	892.52	3.56
	5-year			893.08	3.00
	10-year			893.17	2.91
	25-year			893.46	2.62
	50-year			893.65	2.43
	100-yer			893.92	2.16
WLL306	2-year	897.96	892.10	893.03	4.93
	5-year			893.52	4.44
	10-year			893.67	4.29
	25-year			894.02	3.94
	50-year			894.33	3.63
	100-yer			894.51	3.45
WLL307	2-year	898.74	893.74	896.63	2.11
	5-year			896.83	1.91
	10-year			896.93	1.81
	25-year			897.07	1.67
	50-year			897.18	1.56
	100-yer			897.30	1.44
WLL308	2-year	901.11	896.11	897.39	3.72
	5-year			897.86	3.25
	10-year			898.02	3.09
	25-year			898.31	2.80
	50-year			898.50	2.61
	100-yer			898.93	2.18
WLL309	2-year	901.41	896.41	899.59	1.82
	5-year			899.80	1.61
	10-year			899.92	1.49
	25-year			900.06	1.35
	50-vear			900.16	1.25
	100-yer			900.30	1.11
WLL310	2-vear	902.07	897.07	899.60	2.47
	5-vear			899.79	2.28
	10-vear			899.90	2.17
	25-vear			900.12	1.95
	50-year			900.36	1.71
	100-ver			900.40	1.67
WLL311	2-vear	902.36	897.36	900.38	1.98
	5-vear	562.50		900 64	1 72
	10-vear			900 76	1 60
	25-vear			900.93	1 43
	50-vear			901.05	1.31
	100-ver			901 18	1 18
	100 901			551.10	1.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL312	2-year	903.00	897.52	900.39	2.61
	5-year			900.65	2.35
	10-year			900.77	2.23
	25-year			900.95	2.05
	50-year			901.07	1.93
	100-yer			901.19	1.81
WLL313	2-year	901.97	897.68	900.70	1.27
	5-year			900.92	1.05
	10-year			901.03	0.94
	25-year			901.17	0.80
	50-year			901.28	0.69
	100-yer			901.40	0.57
WLL314	2-year	905.58	897.73	900.92	4.66
	5-year			901.07	4.51
	10-year			901.18	4.40
	25-year			901.31	4.27
	50-year			901.40	4.18
	100-yer			901.52	4.06
WLL315	2-year	904.74	898.07	901.53	3.21
	5-year			901.73	3.01
	10-year			901.84	2.90
	25-year			901.97	2.77
	50-year			902.06	2.68
	100-yer			902.18	2.56
WLL316	2-year	909.69	901.44	906.04	3.65
	5-year			906.16	3.53
	10-year			906.23	3.46
	25-year			906.31	3.38
	50-year			906.36	3.33
	100-yer			906.43	3.26
WLL317	2-year	909.75	901.73	906.42	3.33
	5-year			906.61	3.14
	10-year			906.71	3.04
	25-year			906.83	2.92
	50-year			906.92	2.83
	100-yer			907.03	2.72
WLL318	2-year	909.81	901.99	906.55	3.26
	5-year			906.74	3.07
	10-year			906.85	2.96
	25-year			906.97	2.84
	50-year			907.06	2.75
	100-yer			907.17	2.64
WLL3A01	2-year	895.00	889.49	890.21	4.79
	5-year			890.30	4.70
	10-year			890.35	4.65
	25-year			890.41	4.59
	50-year			890.45	4.55
	100-yer			890.94	4.06

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL3A02	2-year	895.11	890.59	891.17	3.94
	5-year			891.27	3.84
	10-year			891.33	3.78
	25-year			891.39	3.72
	50-year			891.44	3.67
	100-yer			891.50	3.61
WLL3B01	2-year	895.63	890.50	892.18	3.45
	5-year			892.60	3.03
	10-year			892.74	2.89
	25-year			893.01	2.62
	50-year			893.19	2.44
	100-yer			893.45	2.18
WLL3B02	2-year	895.87	890.62	892.18	3.69
	5-year			892.60	3.27
	10-year			892.77	3.10
	25-year			893.04	2.83
	50-year			893.23	2.64
	100-yer			893.53	2.34
WLL3B03	2-year	896.19	890.76	892.19	4.00
	5-year			892.62	3.57
	10-year			892.79	3.40
	25-year			893.07	3.12
	50-year			893.28	2.91
	100-yer			893.61	2.58
WLL3B04	2-year	897.00	890.92	892.21	4.79
	5-year			892.64	4.36
	10-year			892.83	4.17
	25-year			893.11	3.89
	50-year			893.33	3.67
	100-yer			893.71	3.29
WLL3B05	2-year	897.04	891.04	892.26	4.78
	5-year			892.67	4.37
	10-year			892.86	4.18
	25-year			893.15	3.89
	50-year			893.37	3.67
	100-yer			893.77	3.27
WLL401	2-year	896.50	891.50	892.53	3.97
	5-year			892.77	3.73
	10-year			893.09	3.41
	25-year			895.48	1.02
	50-year			895.58	0.92
	100-yer			895.63	0.87
WLL501	2-year	896.11	887.97	890.57	5.54
	5-year			890.76	5.35
	10-year			890.86	5.25
	25-year			891.00	5.11
	50-year			891.27	4.84
	100-yer			891.86	4.25

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL601	2-year	899.89	887.95	894.12	5.77
	5-year			895.08	4.81
	10-year			895.17	4.72
	25-year			895.24	4.65
	50-year			895.28	4.61
	100-yer			895.34	4.55
WLL701	2-year	897.02	890.11	896.21	0.81
	5-year			896.50	0.52
	10-year			896.61	0.41
	25-year			896.72	0.30
	50-year			896.79	0.23
	100-yer			896.87	0.15
WLMC00	2-year	911.00	871.99	876.12	34.88
	5-year			877.29	33.71
	10-year			877.61	33.39
	25-year			877.99	33.01
	50-year			877.99	33.01
	100-yer			877.99	33.01
WLMC01	2-year	911.00	873.21	877.34	33.66
	5-year			878.51	32.49
	10-year			879.14	31.86
	25-year			880.32	30.68
	50-year			881.25	29.75
	100-yer			882.03	28.97
WLMC02	2-year	912.00	874.16	878.29	33.71
	5-year			879.46	32.54
	10-year			880.40	31.60
	25-year			882.13	29.87
	50-year			883.79	28.21
	100-yer			885.16	26.84
WLMC03	2-year	911.07	874.95	878.80	32.27
	5-year			879.90	31.17
	10-year			880.94	30.13
	25-year			883.29	27.78
	50-year			885.32	25.75
	100-yer			886.90	24.17
WLMC04	2-year	911.00	875.25	878.85	32.15
	5-vear			879.92	31.08
	10-year			880.94	30.06
	25-vear			883.29	27.71
	50-year			885.33	25.67
	100-ver			886.90	24.10
WLMC05	2-vear	898.50	880.50	883.69	14.81
	5-vear		500.50	883.98	14.52
	10-vear			884.20	14.30
	25-vear			884.68	13.82
	50-vear			885.40	13.10
	100-ver			886.91	11.59

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLMC06	2-year	891.00	882.00	887.39	3.61
	5-year			889.43	1.57
	10-year			890.38	0.62
	25-year			891.06	-0.06
	50-year			891.26	-0.26
	100-yer			891.47	-0.47
WLMC07	2-year	894.00	882.28	887.39	6.61
	5-year			889.43	4.57
	10-year			890.38	3.62
	25-year			891.06	2.94
	50-year			891.26	2.74
	100-yer			891.47	2.53
WLMC08	2-year	898.98	882.76	886.00	12.99
	5-year			886.45	12.53
	10-year			886.66	12.32
	25-year			886.88	12.10
	50-year			887.00	11.98
	100-yer			887.15	11.83
WLMC09	2-vear	899.00	882.84	886.03	12.97
	5-vear			886.51	12.49
	10-vear			886.73	12.27
	25-vear			886.95	12.05
	50-vear			887.08	11.92
	100-ver			887.23	11.77
WLMC10	2-vear	894.87	884.21	887.28	7.59
	5-vear			887.87	7.00
	10-vear			888.12	6.75
	25-vear			888.36	6.51
	50-vear			888.49	6.38
	100-ver			888.63	6.24
WI MC11	2-vear	895.00	884 94	887 59	7 41
	5-vear	000100	001101	888.94	6.06
	10-vear			889 71	5 29
	25-vear			890.54	4 46
	50-vear			891 10	3 90
	100-ver			891.80	3 20
WLMC12	2-vear	803 33	885 32	887 72	5.20
	5-vear	000.02	000.02	888.99	0.00
	10-vear			880 7/	
	25-vear			800 56	2.30
	50-vear			801 12	2.70
	100-ver			891.12	1 51
WI MC13	2-vezr	00 308	886 55	880 12	6 88
	z-year 5-vear	0.00	000.00	2009.12 220 61	0.00
	10-vear			880.08	6.09
	25-vear			33 008	5 3/
	50-vear			201 12	J.J4 1 22
	100-ver			801 R/	4.03
	100-yei			091.04	4.10

Node Name	Return Period	Ground Elevation (feet)	Invert Elevation (feet)	Max Water Elevation (feet)	Max WSE Relative to Ground (feet)
WLMC14	2-year	899.87	887.33	893.32	6.55
	5-year			895.08	4.79
	10-year			895.17	4.70
	25-year			895.24	4.63
	50-year			895.28	4.59
	100-yer			895.34	4.53
WLMC15	2-year	899.00	888.58	896.21	2.79
	5-year			896.50	2.50
	10-year			896.61	2.39
	25-year			896.72	2.28
	50-year			896.78	2.22
	100-yer			896.87	2.13
WLMC16	2-year	901.75	894.42	898.76	2.99
	5-year			898.99	2.76
	10-year			899.03	2.72
	25-year			899.08	2.67
	50-year			899.11	2.64
	100-yer			899.15	2.60
WLMC17	2-year	913.12	906.62	910.51	2.61
	5-year			911.25	1.87
	10-year			911.29	1.83
	25-year			911.34	1.78
	50-year			911.37	1.75
	100-yer			911.41	1.71
WLMC18	2-year	913.89	908.89	911.60	2.29
	5-year			912.02	1.87
	10-year			912.06	1.83
	25-year			912.10	1.79
	50-year			912.12	1.77
	100-yer			912.15	1.74

Link Name	Conduit Name	Return	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 veer	Notural	(1001)	(1001)	(1001)	000.07	070.00	(/0) E 400	(013)	(143)	0044	(143)
LCCLIUI	LUCLIUI	2-year	Naturai	14	0	7.9	880.37	879.96	5.183	98	5.0	8644	11.3
		10-vear								155	5.8	8644	11.3
		25-year								216	5.8	8644	11.3
		50-vear								265	6.2	8644	11.3
		100-year								328	6.5	8644	11.3
LCCL102	LCCL102	2-year	Natural	6	0	1292.8	896.75	880.37	1.267	86	2.3	5466	9.3
		5-year								122	2.2	5466	9.3
		10-year								157	2.1	5466	9.3
		25-year								231	2.0	5466	9.3
		50-year								281	1.9	5466	9.3
		100-year								342	1.8	5466	9.3
LCCL103	CCL103A	2-year	Rectangular	4	7	68.0	897.42	896.75	0.985	89	8.7	346	12.4
		5-year								130	10.4	346	12.4
		10-year								172	11.7	346	12.4
-		25-year								255	14.4	346	12.4
		50-year								305	15.9	346	12.4
	0.01.1.55	100-year	-				00 ·	005.5		366	17.3	346	12.4
LCCL103	CCL103B	2-year	I rapezoidal	1	30	68.0	904.00	903.00	1.471	0	0.0	370	12.3
		5-year								0	0.0	370	12.3
		25 year								0	0.0	370	12.3
		25-year								0	0.0	370	12.3
		100-year								0	0.0	370	12.3
		2-vear	Natural	10	15	22.8	808.08	807 /2	2 000	55	2.1	/3137	12.5
LCCL104	LCCL104	5-vear	Indiurai	10	15	22.0	090.00	097.42	2.900	75	2.1	43137	18.6
		10-vear								128	2.2	43137	18.6
		25-vear								185	2.1	43137	18.6
		50-vear								218	2.0	43137	18.6
		100-year								259	2.0	43137	18.6
LCCL105	CCL105A	2-year	Special	4.5	4.5	271.6	899.28	898.08	0.442	55	9.5	66	6.5
		5-year								71	10.5	66	6.5
		10-year								88	11.2	66	6.5
		25-year								105	11.5	66	6.5
		50-year								110	11.6	66	6.5
		100-year								112	11.6	66	6.5
LCCL105	CCL105B	2-year	Trapezoidal	2	30	271.6	902.78	902.00	0.287	0	0.0	498	8.3
		5-year								5	1.4	498	8.3
		10-year								39	3.2	498	8.3
		25-year								80	4.2	498	8.3
		50-year								108	4.7	498	8.3
1.001.100		100-year	Natural	4.0		040.0	000.00	000.00	0 5 40	146	5.3	498	8.3
LUCL106	LUCL106	∠-year	INATURA	10	0	343.3	908.00	899.28	2.540	68	0.9	48400	21.2
		J-year								120	1.0	48400	21.2
		25-veer								105	1.0	40400	21.2
		50-year								225	1.0	48400	21.2
		100-vear								263	1.1	48400	21.2
LCCL107	CCL107A	2-year	Special	6	6	45.3	908.17	908.00	0.375	34	10.4	115	7.0
		5-year							5.0.0	60	12.9	115	7.0
		10-year								78	14.2	115	7.0
		25-year								99	15.8	115	7.0
		50-year								113	16.6	115	7.0
		100-year								132	17.6	115	7.0
LCCL107	CCL107B	2-year	Trapezoidal	1	30	45.3	912.00	911.95	0.100	0	0.0	101	3.4
		5-year								0	0.0	101	3.4
		10-year								0	0.0	101	3.4
		25-year								0	0.0	101	3.4
		50-year								0	0.0	101	3.4
		100-year								0	0.0	101	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	(7	09.7	000.74	0.09.17	1 500	19	(17504	(
LCCL100	LCCLI00	5-year	Naturai	0	,	50.7	303.74	300.17	1.550	48	0.4	17504	12.4
		10-year								63	0.7	17504	12.4
		25-year								81	0.7	17504	12.4
		50-year								93	0.8	17504	12.4
		100-year								109	0.8	17504	12.4
LCCL109	CCL109A	2-year	Circular	2	0	71.1	909.85	909.74	0.155	9	5.1	5	1.5
		5-year								11	5.5	5	1.5
		10-year								11	5.7	5	1.5
		50-vear								12	5.9	5	1.5
		100-year								12	6.2	5	1.5
LCCL109	CCL109B	2-year	Trapezoidal	1	30	71.1	911.85	911.74	0.155	0	0.3	120	4.0
		5-year								27	2.6	120	4.0
		10-year								41	3.1	120	4.0
		25-year								58	3.6	120	4.0
		50-year								70	3.8	120	4.0
		100-year								84	4.1	120	4.0
LCCL110	LCCL110	2-year	Natural	10	0	350.7	915.87	909.85	1.717	40	0.5	57804	17.6
		5-year 10-year								59 70	0.5	57804	17.6
		25-year								86	0.0	57804	17.6
		50-year								97	0.6	57804	17.6
		100-year								112	0.6	57804	17.6
LCCL111	8669.1	2-year	Special	2.67	2.67	314.1	917.18	915.87	0.417	14	7.0	14	4.3
		5-year								14	7.2	14	4.3
		10-year								15	7.4	14	4.3
		25-year								15	7.5	14	4.3
		50-year								16	7.7	14	4.3
	8660.0	100-year	Tranazaidal	1	20	214.1	021 76	019.27	1 070	10	7.8	14	4.3
LUCLIII	0009.2	z-year 5-year	Паредоциа	1		314.1	921.70	910.37	1.079	45	4.0	317	10.6
		10-vear								56	5.4	317	10.6
		25-year								70	5.9	317	10.6
		50-year								81	6.2	317	10.6
		100-year								96	6.6	317	10.6
LCCL112	8253.1	2-year	Circular	2	0	28.7	918.38	917.18	4.181	16	6.8	42	13.4
		5-year								17	6.7	42	13.4
		10-year								18	6.2	42	13.4
		25-year								19	6.0	42	13.4
		100-vear								20	6.5	42	13.4
LCCL112	8253.2	2-year	Trapezoidal	1	30	28.7	921.80	921.76	0.139	25	2.7	111	3.7
		5-year								42	3.3	111	3.7
		10-year								53	3.6	111	3.7
		25-year								67	3.9	111	3.7
		50-year								77	4.1	111	3.7
		100-year								92	4.4	111	3.7
LCCL113	8252.1	2-year	Circular	2	0	208.8	920.06	918.38	0.805	20	6.8	19	6.0
		5-year								20	6.8	19	6.0
		25-year								20	6.6	19	6.0
		50-year								20	6.6	19	6.0
		100-year								20	6.7	19	6.0
LCCL113	8252.2	2-year	Trapezoidal	1	30	208.8	923.64	921.80	0.881	9	1.4	286	9.5
		5-year								23	2.3	286	9.5
		10-year								30	2.7	286	9.5
		25-year								41	3.1	286	9.5
		50-year								49	3.4	286	9.5
		100-year								59	3.7	286	9.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LCCL201	LCCI 201	2-vear	Natural	8	0	237 1	901 16	880.68	8 637	24	0.5	47978	37.9
1001201		5-year	- latara			20111		000.00	0.001	33	0.4	47978	37.9
		10-year								38	0.3	47978	37.9
		25-year								45	0.3	47978	37.9
		50-year								50	0.3	47978	37.9
		100-year								57	0.3	47978	37.9
LCCL202	8283.1	2-year	Circular	3	0	62.7	905.74	901.16	7.309	24	16.6	167	23.7
		5-year								33	18.4	167	23.7
		10-year								38	19.3	167	23.7
		50-year									20.3	167	23.7
		100-year								57	21.8	167	23.7
LCCL202	8283.2	2-year	Trapezoidal	1	30	62.7	909.74	909.68	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
1.0.01.000	00044	100-year	0. 1			70.0		005 74	4 700	0	0.0	94	3.1
LCCL203	8284.1	2-year	Circular	2.5	0	72.2	906.97	905.74	1.703	24	10.2	50	10.1
		10-vear								38	11.2	50	10.1
		25-vear								45	12.3	50	10.1
		50-year								50	12.7	50	10.1
		100-year								57	13.2	50	10.1
LCCL203	8284.2	2-year	Trapezoidal	1	30	72.2	910.72	909.74	1.357	0	0.0	355	11.8
		5-year								0	0.0	355	11.8
		10-year								0	0.0	355	11.8
		25-year								0	0.0	355	11.8
		50-year								0	0.0	355	11.8
	9295 1	2 voor	Circular	2	0	90.4	000.19	006.07	2 749	12	0.0	300	6.5
LCCL204	0205.1	2-year 5-year	Circular	2	0	00.4	909.10	900.97	2.740	12	6.9	20	6.5
		10-vear								10	7.1	20	6.5
		25-year								23	8.7	20	6.5
		50-year								25	8.0	20	6.5
		100-year								28	8.7	20	6.5
LCCL204	8285.2	2-year	Trapezoidal	1	30	80.4	913.18	910.72	3.059	0	0.0	533	17.8
		5-year								0	0.0	533	17.8
		10-year								0	0.0	533	17.8
		25-year								0	0.0	533	17.8
		100-vear								2	1.8	533	17.8
LCCMC01	LCCMC01	2-year	Natural	12	0	851.5	879.96	863.18	1.971	232	7.1	11935	18.3
		5-year								400	8.0	11935	18.3
		10-year								524	8.5	11935	18.3
		25-year								696	9.1	11935	18.3
		50-year								823	9.5	11935	18.3
		100-year								1010	10.0	11935	18.3
LCCMC02	LCCMC02	2-year	Natural	14.5	0	1521.5	880.68	879.96	0.047	174	1.7	4402	3.3
		o-year								303	2.1	4402	3.3
		25-year								 	2.3	4402	3.3
		50-year								578	2.7	4402	3.3
		100-year								695	2.9	4402	3.3
LCCMC03	LCCMC03	2-year	Natural	14	0	160.4	891.70	880.68	6.869	184	1.6	123213	43.6
		5-year								312	1.7	123213	43.6
		10-year								391	1.8	123213	43.6
		25-year								503	2.0	123213	43.6
		50-year								584	2.1	123213	43.6
		100-year								697	2.2	123213	43.6

LCCMC04 2-year Rectangular 10.3 10.3 10.3 10.4 10.5	Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LCCMC08 Symer Trage and box Trage and box <thtrage and="" box<="" th=""> Trage and box</thtrage>	LCCMC04	CCMC04A	2-vear	Rectangular	10.5	10.5	131.0	891 74	891 70	0.031	184	10.6	389	35
International Internat	20011001		5-year	rtootarigutai						0.001	312	14.2	389	3.5
SequerSequerImageSequerSeque			10-year								391	16.0	389	3.5
SolverSolv			25-year								503	18.2	389	3.5
IDC-MC04 CCMC04B CCMC0AB <			50-year								584	19.7	389	3.5
LCCMC04 CCMC048 Zymar Topecodal 1 30 1310 99.00 99.57 0.100 0.0 0.99 3.2 I 10-year I			100-year								697	21.6	389	3.5
Byear I <td>LCCMC04</td> <td>CCMC04B</td> <td>2-year</td> <td>Trapezoidal</td> <td>1</td> <td>30</td> <td>131.0</td> <td>906.00</td> <td>905.87</td> <td>0.100</td> <td>0</td> <td>0.0</td> <td>96</td> <td>3.2</td>	LCCMC04	CCMC04B	2-year	Trapezoidal	1	30	131.0	906.00	905.87	0.100	0	0.0	96	3.2
10-year 10-year <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>96</td><td>3.2</td></t<>			5-year								0	0.0	96	3.2
Image: biology and set in the se			10-year								0	0.0	96	3.2
B0-year Impezvidal			25-year								0	0.0	96	3.2
LCCMC06 LCCMC05 Symat Trapezoidal 4 12.8 903.76 902.24 176 6.5.7 6.65 7.7.8 LCCMC05 Symat Integration			50-year								0	0.0	96	3.2
LCLMLOB LCLMCUS LCMCUS LCMCUS <thllms< th=""> <thllms< th=""> LCMCUS<td>10014005</td><td>1001005</td><td>100-year</td><td>Tana ana islat</td><td></td><td></td><td>405.0</td><td>000 70</td><td>000.04</td><td>4 000</td><td>0</td><td>0.0</td><td>96</td><td>3.2</td></thllms<></thllms<>	10014005	1001005	100-year	Tana ana islat			405.0	000 70	000.04	4 000	0	0.0	96	3.2
Image: Synam Image: Synam<	LCCMC05	LCCMC05	2-year	i rapezoidai	4	4	125.8	903.76	902.24	1.209	1/6	5.7	654	7.8
Intryes Intryes <t< td=""><td></td><td></td><td>10 year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>299</td><td>6.0</td><td>654</td><td>7.0</td></t<>			10 year								299	6.0	654	7.0
LCCMC06 LCCMC07 LCCMC08 LCCMC08 <t< td=""><td></td><td></td><td>25-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>480</td><td>7.4</td><td>654</td><td>7.0</td></t<>			25-vear								480	7.4	654	7.0
IOD-year			50-vear								555	7.4	654	7.8
LCCMC06 LCCMC06 2-year Trapezoidal 6 100 901.74 901.74 0.000 176 0.4 8852 0.0 LCCMC06 LS-year Image: Comparing the second sec			100-vear								662	8.1	654	7.8
byear byear <th< td=""><td>LCCMC06</td><td>LCCMC06</td><td>2-year</td><td>Trapezoidal</td><td>6</td><td>100</td><td>10.0</td><td>901.74</td><td>901.74</td><td>0.000</td><td>176</td><td>0.4</td><td>8632</td><td>0.0</td></th<>	LCCMC06	LCCMC06	2-year	Trapezoidal	6	100	10.0	901.74	901.74	0.000	176	0.4	8632	0.0
10-year 10-year <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>299</td><td>0.6</td><td>8632</td><td>0.0</td></t<>			5-year								299	0.6	8632	0.0
25-year year			10-year								374	0.7	8632	0.0
S0-year TapeZoidal C C C C S55 1.0 8632 0.00 LCCMC07 LCCMC07 LCCMC07 Year TapeZoidal 6 100 901.74 901.74 90.00 219 0.5 8632 0.00 LCCMC07 LCCMC07 LCCMC07 TapeZoidal 6 100 901.74 901.74 90.00 219 0.5 8632 0.00 10-year I I I I I 100 801.74 0.00 219 0.05 8632 0.00 ICCMC08 2year I I I I 100 8632 0.00 LCCMC08 2year Rectangular 3.75 I I I 8632 0.00 LCCMC08 2year Rectangular 3.75 I I 0.875 2.0 13.6 III 8632 0.00 III IIII IIIII IIIIIII IIIIIII IIIIIIIIIIIIIIIIIIIIIIII<			25-year								480	0.9	8632	0.0
Image Image <th< td=""><td></td><td></td><td>50-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>555</td><td>1.0</td><td>8632</td><td>0.0</td></th<>			50-year								555	1.0	8632	0.0
LCCMC07 LVCMC07 Pyear Trapezoidal 6 100 901.74 901.74 90.00 219 0.5 6852 00.0 LCCMC07 S-year I </td <td></td> <td></td> <td>100-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>662</td> <td>1.1</td> <td>8632</td> <td>0.0</td>			100-year								662	1.1	8632	0.0
Sygar Sygar <th< td=""><td>LCCMC07</td><td>LCCMC07</td><td>2-year</td><td>Trapezoidal</td><td>6</td><td>100</td><td>10.0</td><td>901.74</td><td>901.74</td><td>0.000</td><td>219</td><td>0.5</td><td>8632</td><td>0.0</td></th<>	LCCMC07	LCCMC07	2-year	Trapezoidal	6	100	10.0	901.74	901.74	0.000	219	0.5	8632	0.0
10-year 10 10 10 10 10 10 10 10 10 10 100 11 8832 000 LCCMC08 2year Rectangular 3.75 4 16.0 901.88 901.74 0.875 220 13.6 106 7.1 100-year 10 10 10 10 10 10 100 10 100 10 100 10 100 <td></td> <td></td> <td>5-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>344</td> <td>0.7</td> <td>8632</td> <td>0.0</td>			5-year								344	0.7	8632	0.0
1 25-year 1 </td <td></td> <td></td> <td>10-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>424</td> <td>0.8</td> <td>8632</td> <td>0.0</td>			10-year								424	0.8	8632	0.0
Image: book of the sector of the se			25-year								521	1.0	8632	0.0
International and the second of the			50-year								586	1.0	8632	0.0
LCCMC08 CCMC08A 2-year Rectangular 3.75 4 16.0 911.88 901.74 0.875 220 13.6 10.6 7.1 Image: Syear I			100-year								685	1.1	8632	0.0
Image: Seyear Image: S	LCCMC08	CCMC08A	2-year	Rectangular	3.75	4	16.0	901.88	901.74	0.875	220	13.6	106	7.1
Interview Interview <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>303</td><td>20.0</td><td>106</td><td>7.1</td></t<>			5-year								303	20.0	106	7.1
LCCMC08 CCMC08B 2-year Image: Comparison of the comparison of th			10-year								316	21.0	106	7.1
Image: constraint of the second sec			25-year								322	21.4	106	7.1
LCCMC08 CCMC08B 2-year Trapezoidal 3 30 33.0 907.10 907.07 0.100 0 0.05 66 6.2 Image: Comcol and the system 10-year Image: Comcol and the system Image:			100-vear								324	21.0	106	7.1
Lockmood	LCCMC08	CCMC08B	2-vear	Trapezoidal	3	30	33.0	907 10	907.07	0 100	020	0.0	556	6.2
b year	LOOMOOD	COMICOOD	5-vear	Trapezoidai	5		55.0	307.10	307.07	0.100	51	3.5	556	6.2
Image: Constraint of the second sec			10-vear								122	4.8	556	6.2
b0-year b0-year <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>214</td><td>5.9</td><td>556</td><td>6.2</td></t<>			25-year								214	5.9	556	6.2
100-year 100-year Trapezoidal 8 45 153.6 904.82 901.88 1.914 235 0.9 25709 16.0 LCCMC09 LCCMC09 2-year Trapezoidal 8 45 153.6 904.82 901.88 1.914 235 0.9 25709 16.0 10-year 10-year 1 1 2 354 0.8 25709 16.0 25-year 1 1 1 1 534 0.8 25709 16.0 50-year 1 1 1 1 598 0.8 25709 16.0 100-year 1 1 1 1 1 1 0.0 1 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 0 1 0 1 0 1 0 1 0 1			50-year								284	6.6	556	6.2
LCCMC09 LCCMC09 2-year Trapezoidal 8 45 153.6 904.82 901.88 1.914 235 0.9 25709 16.0 10-year 10-yea			100-year								381	7.3	556	6.2
Image: style styl	LCCMC09	LCCMC09	2-year	Trapezoidal	8	45	153.6	904.82	901.88	1.914	235	0.9	25709	16.0
10-year			5-year								354	0.8	25709	16.0
Image: strain			10-year								435	0.8	25709	16.0
50-year 50-year <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>534</td><td>0.8</td><td>25709</td><td>16.0</td></t<>			25-year								534	0.8	25709	16.0
IO0-year IO0-year Circular 1.5 0 22.9 904.83 904.82 0.044 12 7.6 1 0.6 LCCMC10 CCMC10A 2-year Circular 1.5 0 22.9 904.83 904.82 0.044 12 7.6 1 0.6 LCCMC10 5-year IO			50-year								598	0.8	25709	16.0
LCCMC10 CCMC10A 2-year Circular 1.5 0 22.9 904.83 904.82 0.044 12 7.6 1 0.6 5-year <			100-year								692	0.8	25709	16.0
5-year 5-year 6 13 7.5 1 0.6 10-year 10-year 10-year 10 10 12 7.4 1 0.6 25-year 25-year 10 10 10 12 7.2 1 0.6 100-year 50-year 100	LCCMC10	CCMC10A	2-year	Circular	1.5	0	22.9	904.83	904.82	0.044	12	7.6	1	0.6
10-year 10-year 10-year 10-year 10-year 10-year 100-year 100-y			5-year								13	7.5	1	0.6
25-year 25-year 1 0.6 50-year 50-year 1 1 0.6 100-year 100-year 1 0 1 1 0.6 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.2 0 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.2 0 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.0 0 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.0 0.4 10-year I </td <td></td> <td></td> <td>10-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>7.4</td> <td>1</td> <td>0.6</td>			10-year								12	7.4	1	0.6
bu-year circular 1 22.9 904.83 904.82 0.044 5 6.2 00 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.2 00 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.0 0 0.4 10-year Income			25-year								12	7.2	1	0.6
LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.2 0 0.4 LCCMC10 CCMC10B 2-year Circular 1 22.9 904.83 904.82 0.044 5 6.2 0 0.4 5-year Interpretent 10-year Interpretent Interpretent 5 6.0 0 0.4 10-year Interpretent Interpretent <t< td=""><td></td><td></td><td>50-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>12</td><td>/.1</td><td>1</td><td>0.6</td></t<>			50-year								12	/.1	1	0.6
Locinicity Line difference			2-vear	Circular			22.0	004 00	004 00	0.044	12	0.9	1	0.0
Image: Solution of the second state of the second			2-year		1		22.9	504.03	304.0 2	0.044	5	6.1	0	0.4
25-year 4 5.8 0 0.4 100-year 100-year 100-year 100-year 100-year 100-year 100-year			10-vear								5	6.0	0	0.4
S0-year 4 5.6 0 0.4 100-year 4 5.4 0 0.4			25-year								4	5.8	0	0.4
100-year 4 5.4 0 0.4			50-vear								4	5.6	0	0.4
			100-year								4	5.4	0	0.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LCCMC10	CCMC10C	2-vear	Trapezoidal	3	30	22.9	906.17	906.15	0.100	229	6.1	508	5.6
		5-year								356	7.1	508	5.6
		10-year								435	7.6	508	5.6
		25-year								538	8.2	508	5.6
		50-year								603	8.5	508	5.6
		100-year								696	8.9	508	5.6
LCCMC11	LCCMC11	2-year	Natural	14	0	1001.7	914.89	904.83	1.004	175	2.2	49973	11.9
		5-year								259	2.6	49973	11.9
		25-year								312	2.7	49973	11.9
		50-vear								433	3.0	49973	11.9
		100-year								503	3.1	49973	11.9
LCCMC12	LCCMC12	2-year	Natural	5.75	0	1276.3	928.25	914.89	1.047	107	2.2	10946	8.4
		5-year								160	2.3	10946	8.4
		10-year								193	2.4	10946	8.4
		25-year								236	2.5	10946	8.4
		50-year								269	2.5	10946	8.4
		100-year								312	2.6	10946	8.4
LCCMC13	CCMC13A	2-year	Circular	4	0	52.2	928.53	928.25	0.536	0	-0.1	98	7.8
		5-year								0	-0.1	98	7.8
		25-vear								0	-0.1	90	7.0
		50-vear								0	-0.1	98	7.8
		100-year								0	-0.1	98	7.8
LCCMC13	CCMC13B	2-year	Trapezoidal	1	30	52.2	934.00	933.95	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year		_						0	0.0	94	3.1
LE23L101	LE23L101	2-year	Natural	7	2	1873.3	929.53	910.00	1.043	22	0.2	26848	10.8
		5-year								31	0.2	26848	10.8
		25-year								44	0.2	26848	10.8
		50-year								49	0.2	26848	10.8
		100-year								56	0.3	26848	10.8
LE23L102	8203.1	2-year	Circular	2	0	121.6	930.00	929.53	0.387	24	11.1	13	4.2
		5-year								26	11.3	13	4.2
		10-year								27	11.4	13	4.2
		25-year								28	11.5	13	4.2
		50-year								29	11.5	13	4.2
1 5221 402	8202.2	2 voor	Tranazaidal	4	20	101.0	024.00	022 52	1 200	29	11.6	13	4.2
LE23L102	0203.2	2-year	rrapezoidal	1	30	121.6	934.00	yo∠.o3	1.209	17	2.2	335	11.2
		10-vear								25	4 0	335	11.2
		25-year								34	4.6	335	11.2
		50-year								42	4.9	335	11.2
		100-year								51	5.4	335	11.2
LE23L103	8204.1	2-year	Circular	2	0	53.4	930.14	930.00	0.262	23	7.2	11	3.4
		5-year								23	7.4	11	3.4
		10-year								24	7.6	11	3.4
		25-year								24	7.7	11	3.4
		50-year								25	7.8	11	3.4
E23 102	8204.2	2-vear	Tranazoidal	4	20	E2 4	03/ 1/	03/ 00	0.262	25 14	7.9	11	5.4
LL23L103	0204.2	5-year	Tapezulual		30	55.4	334.14	304.00	0.202	27	2.2	156	5.2
		10-year								35	3.1	156	5.2
		25-year								45	3.4	156	5.2
		50-year								53	3.6	156	5.2
		100-year								63	3.9	156	5.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	2010 1	2-1001	Circular			02.0	021 40	020 44	1 500	(2.3)	7 4	,0.0,	
LE23L104	0212.1	2-year	Circular	2	0	03.3	əsı.42	530.14	0.00	22	7.1	20	ຽ.3 ຊາ
		10-vear								23	7.3	20	8.3
		25-vear								24	7.5	26	8.3
		50-year								24	7.6	26	8.3
		100-year								24	7.7	26	8.3
LE23L104	8212.2	2-year	Trapezoidal	1	30	83.3	935.09	934.14	1.140	8	1.7	326	10.9
		5-year								22	2.9	326	10.9
		10-year								31	3.3	326	10.9
		25-year								41	3.8	326	10.9
		50-year								50	4.1	326	10.9
		100-year								60	4.5	326	10.9
LE23L105	8514.1	2-year	Circular	2	0	46.8	931.66	931.42	0.513	22	7.1	15	4.8
		5-year								23	7.2	15	4.8
		10-year								23	7.1	15	4.8
		25-year								23	7.2	15	4.8
		50-year								23	7.3	15	4.8
		100-year								23	7.3	15	4.8
LE23L105	8514.2	2-year	Trapezoidal	1	30	46.8	935.24	935.09	0.321	14	2.2	173	5.8
		5-year								27	2.9	173	5.8
		10-year								35	3.2	1/3	5.8
		25-year								45	3.5	1/3	5.8
		100 year								53	3.7	173	5.8
1 5221 106	9010.1	2 voor	Circular	1.05	0	225 1	027.40	021.66	1 710	63 F	4.0	173	5.0 6.4
LEZSLIUG	0213.1	Z-year	Circular	1.25	0	335.1	937.40	931.00	1.713	5	5.2	0	6.4
		10-vear								<u> </u>	6.9	0 8	6.4
		25-vear								8	7.0	8	6.4
		50-vear								8	7.0	8	6.4
		100-year								8	7.0	8	6.4
LE23L106	8213.2	2-vear	Trapezoidal	1	30	335.1	940.65	935.24	1.614	0	0.0	388	12.9
		5-year								0	0.0	388	12.9
		10-year								0	0.0	388	12.9
		25-year								2	0.4	388	12.9
		50-year								3	1.3	388	12.9
		100-year								5	0.7	388	12.9
LE23L1A01	8211.1	2-year	Circular	2	0	134.7	934.86	931.66	2.376	18	6.5	32	10.3
		5-year								22	7.0	32	10.3
		10-year								23	7.1	32	10.3
		25-year								23	7.1	32	10.3
		50-year								23	7.1	32	10.3
		100-year								23	7.2	32	10.3
LE23L1A01	8211.2	2-year	Trapezoidal	1	30	134.7	937.00	935.24	1.307	0	0.0	349	11.6
		5-year								4	0.8	349	11.6
		10-year								10	1.4	349	11.6
		25-year								16	1.9	349	11.6
		50-year								22	2.3	349	11.6
	EDOMODIA	2 vest	Pootonaular			14 F	007 40	006 50	0 470	28	2.6	349	11.0
LEZSIVICUT	EZSIVICUTA	2-year	Rectangular	4	8	41.5	907.40	900.00	2.170	202	9.8	600	10.9
		10-vear								312 360	13.2	800 808	18.9
		25-vear							L	446	16.7	900 909	18.9
		50-vear								520	18.3	000 606	18.9
		100-year								622	20.4	606	18.9
LE23MC01	E23MC01B	2-year	Trapezoidal	3	30	41.5	912.00	911.96	0.100	0	0.0	546	6.1
		5-year								0	0.0	546	6.1
		10-year								0	0.0	546	6.1
		25-year								0	0.0	546	6.1
		50-year								0	0.0	546	6.1
		100-year								0	0.0	546	6.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	LE23MC02	2-vear	Natural	56	(,	1605.8	910.00	907.40	0.162	582	23	6324	3.2
LEZSIVICOZ	LEZSINGUZ	5-vear	Inatural	5.0	0	1005.0	310.00	307.40	0.102	894	2.5	6324	3.2
		10-year								1019	2.5	6324	3.2
		25-year								1288	2.5	6324	3.2
		50-year								1533	2.5	6324	3.2
		100-year								1884	2.6	6324	3.2
LE23MC03	LE23MC03	2-year	Natural	7.5	0	614.9	911.41	910.00	0.229	397	1.3	17315	5.1
		5-year								615	1.4	17315	5.1
		10-year								739	1.5	17315	5.1
		25-year								822	1.6	17315	5.1
		100-year								1119	1.7	17315	5.1
LE23MC04	LE23MC04	2-vear	Natural	6	0	1102.0	916.56	911.41	0.467	298	3.7	7219	5.9
		5-year								459	3.7	7219	5.9
		10-year								556	3.6	7219	5.9
		25-year								621	3.6	7219	5.9
		50-year								718	3.6	7219	5.9
		100-year								836	3.6	7219	5.9
LE23MC05	LE23MC05	2-year	Natural	4	10	1172.6	923.58	916.56	0.599	136	3.2	1722	3.9
		5-year								199	3.2	1722	3.9
		10-year								234	3.2	1722	3.9
		25-year								235	3.2	1722	3.9
		100-year								241	3.3	1722	3.9
LE4MC01	LE4MC01	2-vear	Circular	6	0	200.4	879.59	871.31	4,132	48	15.6	799	28.3
		5-year	onoului			20011	0.000	01.1101		75	17.7	799	28.3
		10-year								90	18.8	799	28.3
		25-year								112	19.9	799	28.3
		50-year								128	20.7	799	28.3
		100-year								149	21.7	799	28.3
LE7MC01	LE7MC01	2-year	Circular	5	0	158.2	885.46	879.23	3.937	82	18.3	480	24.4
		5-year								119	20.3	480	24.4
		10-year								141	21.3	480	24.4
		50-vear								103	22.4	460	24.4
		100-vear								222	23.1	480	24.4
LFPL101	8250.1	2-vear	Circular	3	0	378.3	886.42	874.72	3.093	23	8.9	109	15.4
		5-year						-		26	9.4	109	15.4
		10-year								38	9.6	109	15.4
		25-year								46	9.6	109	15.4
		50-year								52	10.3	109	15.4
		100-year								60	11.4	109	15.4
LFPL101	8250.2	2-year	Trapezoidal	1	30	378.3	893.02	891.39	0.431	0	0.0	200	6.7
		5-year								0	0.0	200	6.7
		10-year								0	0.0	200	6.7
		50-vear								0	0.0	200	6.7
		100-year								0	0.0	200	6.7
LFPL102	8454.1	2-year	Circular	2	0	46.3	886.65	886.42	0.496	23	10.3	15	4.7
		5-year								26	11.0	15	4.7
		10-year								38	14.4	15	4.7
		25-year								47	16.8	15	4.7
		50-year								52	18.4	15	4.7
		100-year								60	20.4	15	4.7
LFPL102	8454.2	2-year	Trapezoidal	1	30	46.3	893.15	893.02	0.281	0	0.0	162	5.4
		o-year								0	0.0	162	5.4
		25-year								0	0.0	162	5.4 5.4
		50-year								0	0.0	162	5.4
		100-year								0	0.0	162	5.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LEPI 103	8455 1	2-vear	Circular	2	0	52.1	886.95	886.65	0.575	16	60	16	51
Enterio	0100.1	5-vear	Onoului			02.1	000.00	000.00	0.070	10	6.2	16	5.1
		10-year								17	6.2	16	5.1
		25-year								17	6.2	16	5.1
		50-year								17	6.0	16	5.1
		100-year								17	6.0	16	5.1
LFPL103	8455.2	2-year	Trapezoidal	1	30	52.1	893.03	892.98	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								10	1.7	96	3.2
		50-vear								10	2.0	90	3.2
		100-vear								24	2.5	96	3.2
LFPL104	8251.1	2-vear	Circular	1	0	105.0	888.09	886.95	1.086	6	7.9	3	4.4
-		5-year								6	7.9	3	4.4
		10-year								6	7.9	3	4.4
		25-year								6	7.9	3	4.4
		50-year								6	7.9	3	4.4
		100-year								6	7.9	3	4.4
LFPL104	8251.2	2-year	Trapezoidal	3	30	105.0	891.09	890.99	0.100	10	1.6	556	6.2
		5-year								19	1.9	556	6.2
		10-year								27	1.9	556	6.2
		25-year								31	1.8	556	6.2
		100-year								40	2.0	556	6.2
L FPI 201	8456 1	2-vear	Circular	2	0	89.5	884 11	874 72	10 487	74	23.0	68	21.7
2 2201	0.0001	5-year	onoului					0		87	27.2	68	21.7
		10-year								86	27.1	68	21.7
		25-year								86	27.1	68	21.7
		50-year								86	27.0	68	21.7
		100-year								86	27.0	68	21.7
LFPL201	8456.2	2-year	Trapezoidal	1	30	89.5	891.94	891.39	0.614	0	0.0	239	8.0
		5-year								23	3.2	239	8.0
		10-year								43	4.1	239	8.0
		25-year								70	5.0	239	8.0
		100-year								118	6.1	239	8.0
LFPL202	8457.1	2-vear	Circular	2	0	97.5	888.14	884.11	4,133	56	18.6	43	13.6
		5-year								56	18.6	43	13.6
		10-year								56	18.6	43	13.6
		25-year								56	18.6	43	13.6
		50-year								56	18.6	43	13.6
L		100-year								56	18.6	43	13.6
LFPL202	8457.2	2-year	Trapezoidal	2	30	97.5	892.14	891.94	0.205	26	2.6	421	7.0
		5-year								90	4.3	421	7.0
		10-year								110	4.6	421	7.0
		20-year								130	5.0 5.2	421	7.0
		100-year								181	5.5	421	7.0
LFPL203	8496.1	2-year	Circular	1.25	0	222.0	888.41	888.14	0.122	7	5.8	2	1.7
	2.50.1	5-year		0		0				7	5.8	2	1.7
		10-year								7	5.8	2	1.7
		25-year								7	5.8	2	1.7
		50-year								7	5.8	2	1.7
		100-year								7	5.8	2	1.7
LFPL203	8496.2	2-year	Trapezoidal	2	30	222.0	891.66	891.44	0.100	73	2.8	294	4.9
		5-year								107	2.8	294	4.9
		10-year								126	2.9	294	4.9
		20-year								152	3.2	294	4.9
		100-vear								198	3.4	294	4.9
										100	0.7	204	1.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LEPI 204	8499 1	2-vear	Circular	1 25	() 0	102.8	888.89	888.41	0.467	4	36	4	33
211 2204	0400.1	5-vear	Oncolar	1.20	0	102.0	000.00	000.41	0.407	4	3.6	4	3.3
		10-vear								4	3.6	4	3.3
		25-year								4	3.6	4	3.3
		50-year								4	3.6	4	3.3
		100-year								4	3.7	4	3.3
LFPL204	8499.2	2-year	Trapezoidal	3	30	102.8	891.39	891.29	0.100	70	1.9	557	6.2
		5-year								103	2.1	557	6.2
		10-year								123	2.4	557	6.2
		25-year								148	2.7	557	6.2
		50-year								168	2.9	557	6.2
		100-year								193	3.1	557	6.2
LFPL205	8497.1	2-year	Circular	1.25	0	124.2	890.46	888.89	1.265	8	6.1	7	5.5
		5-year								8	6.1	7	5.5
		10-year								8	6.1	7	5.5
		50-vear								0	6.1	7	5.5
		100-vear								8	6.1	7	5.5
LFPL205	8497.2	2-vear	Trapezoidal	3	30	124.2	893.71	891.39	1.869	68	3.1	2405	26.7
		5-year								102	3.6	2405	26.7
		10-year								121	4.0	2405	26.7
		25-year								147	4.4	2405	26.7
		50-year								167	4.7	2405	26.7
		100-year								193	5.1	2405	26.7
LFPL206	8498.1	2-year	Circular	1.25	0	95.3	890.84	890.46	0.399	6	5.2	4	3.1
		5-year								6	5.2	4	3.1
		10-year								6	5.1	4	3.1
		25-year								6	5.1	4	3.1
		50-year								6	5.1	4	3.1
	8408.2	100-year	Tropozoidal	1	20	05.2	804.00	902 71	0.200	70	5.1	4	3.1
LFFL200	0490.2	5-vear	Паредониа			90.0	094.09	093.71	0.399	102	4.3	193	6.4
		10-vear								102	5.0	193	6.4
		25-vear								148	5.8	193	6.4
		50-year								167	6.1	193	6.4
		100-year								192	6.4	193	6.4
LFPL301	8458.1	2-year	Circular	2	0	451.2	878.80	874.72	0.904	12	4.9	20	6.4
		5-year								22	6.8	20	6.4
		10-year								28	8.8	20	6.4
		25-year								31	9.7	20	6.4
		50-year								31	9.8	20	6.4
		100-year								32	9.9	20	6.4
LFPL301	8458.2	2-year	Trapezoidal	1	30	451.2	887.00	886.55	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		20-year								12	0.9	90	3.2
		100-vear								22	2.0	96	3.2
LEPMC01	LEPMC01	2-vear	Circular	6	0	107.8	873.07	871 48	1 475	139	14 7	478	0.≞ 16.9
		5-year								240	16.9	478	16.9
		10-year								294	17.8	478	16.9
		25-year								368	18.7	478	16.9
		50-year								416	19.1	478	16.9
		100-year								479	19.3	478	16.9
LFPMC02	FPMC02A	2-year	Circular	6	0	27.2	873.48	873.07	1.508	139	14.6	460	16.3
		5-year								239	16.8	460	16.3
		10-year								294	17.7	460	16.3
		∠o-year								368	18.6	460	16.3
		100-year								410	19.0	460	16.3
		.00 you		1						-13	10.0	-00	10.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	EBMC02P	2 voor	Tranazaidal	(20	27.2	008.00	007.07	0.100	(0.0)	((0.0)	(
	TTWC02D	5-year	Tapezoidai			21.2	300.00	307.37	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LFPMC03	FPMC03A	2-year	Circular	6	0	84.2	874.72	873.48	1.473	139	14.5	477	16.9
		5-year								239	16.8	477	16.9
		10-year								294	17.7	477	16.9
		25-year								368	18.5	477	16.9
		100-year								410	10.9	477	16.9
LEPMC03	FPMC03B	2-vear	Trapezoidal	1	30	84.2	908.08	908.00	0 100	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.0	94	3.1
	TTMOODE	5-vear	Trapozoidai			01.2	000.00	000.00	0.100	0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LFPMC04	8459.1	2-year	Circular	2.5	0	385.7	886.42	874.72	3.033	37	8.7	39	7.9
		5-year								40	8.8	39	7.9
		10-year								40	8.8	39	7.9
		25-year								40	8.9	39	7.9
		50-year								40	8.9	39	7.9
	9450.2	2 voor	Tranazaidal	1	20	295 7	000 00	997.61	0.100	40	0.9	39	7.9
LFPIVIC04	0459.2	z-year	Паредонал	1	30	303.7	000.00	007.01	0.100	62	1.0	96	3.2
		10-vear								95	3.7	96	3.2
		25-year								129	4.6	96	3.2
		50-year								155	5.3	96	3.2
		100-year								187	6.2	96	3.2
LFPMC05	LFPMC05	2-year	Natural	6	14	1428.6	887.00	886.42	0.041	20	0.6	746	1.0
		5-year								39	0.9	746	1.0
		10-year								52	1.1	746	1.0
		25-year								69	1.2	746	1.0
		50-year								81	1.2	746	1.0
		2 voor	Notural	0	10	494.0	002.67	906 50	1 275	97	1.2	20210	11.0
LIFL201	LIFL201	5-vear	Indiuidi		10	404.0	902.07	890.50	1.275	155	2.0	20310	11.0
		10-vear								184	1.8	28318	11.6
		25-year								225	1.8	28318	11.6
		50-year								256	1.7	28318	11.6
		100-year								299	2.8	28318	11.6
LIPL202	LIPL202	2-year	Natural	4	10	1173.1	909.87	902.67	0.614	42	2.3	848	3.7
		5-year								57	2.5	848	3.7
		10-year								63	2.6	848	3.7
		25-year								69	2.7	848	3.7
		50-year								80	2.8	848	3.7
		2-vear	Natural	4	15	540.6	022.00	000 07	2 200	95	2.8	048 1200	3.7
LIFL203	LIFL203	2-year	matural	4	15	549.6	923.00	909.87	2.389	4	0.9	1300	۵.4 ۶ ۸
		10-year								7	1.1	1388	8.4
		25-year								8	1.1	1388	8.4
		50-year								9	1.1	1388	8.4
		100-year								10	1.1	1388	8.4
LIPL204	8224.1	2-year	Circular	2	0	108.3	923.54	923.00	0.499	4	5.1	15	4.7
		5-year								6	5.7	15	4.7
		10-year								7	6.0	15	4.7
		25-year								8	6.3	15	4.7
		50-year								9	6.6	15	4.7
		100-year								10	6.9	15	4.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
1 IPI 204	8224.2	2-vear	Tranezoidal	1	ر ب	108.3	930 54	927 00	3 268	ر د ,	0.0	551	18.4
	0224.2	5-vear	Trapezoidai			100.0	550.54	527.00	5.200	0	0.0	551	18.4
		10-year								0	0.0	551	18.4
		25-year								0	0.0	551	18.4
		50-year								0	0.0	551	18.4
		100-year								0	0.0	551	18.4
LIPL205	8225.1	2-year	Circular	2	0	52.6	925.04	923.54	2.853	4	4.8	35	11.3
		5-year								6	5.4	35	11.3
		10-year								7	5.7	35	11.3
		25-year								8	6.0	35	11.3
		100-year								10	7.7	35	11.3
LIPI 205	8225.2	2-vear	Trapezoidal	1	30	52.6	931 29	929 54	3 329	.0	0.0	557	18.6
2.1. 2200	0220.2	5-year	riapozoidai			02.0	001120	020101	0.020	0	0.0	557	18.6
		10-year								0	0.0	557	18.6
		25-year								0	0.0	557	18.6
		50-year								0	0.0	557	18.6
		100-year								0	0.0	557	18.6
LIPL206	8226.1	2-year	Circular	1.25	0	233.7	928.85	925.04	1.630	4	6.5	8	6.2
		5-year								6	7.0	8	6.2
		10-year								7	7.2	8	6.2
		25-year								8	8.0	8	6.2
		50-year								8	8.1	8	6.2
LIPI 206	8226.2	2-vear	Tranazoidal	1	30	233.7	032 10	030.20	0.774	0	0.2	268	8.0
LIFL200	0220.2	2-year 5-year	Паредониан		30	233.7	932.10	930.29	0.774	0	0.0	200	8.9
		10-vear								0	0.0	268	8.9
		25-year								0	0.4	268	8.9
		50-year								1	0.9	268	8.9
		100-year								2	1.2	268	8.9
LIPL2A01	LIPL2A01	2-year	Trapezoidal	4	24	168.0	903.91	902.67	0.738	46	1.1	1161	7.3
		5-year								77	1.2	1161	7.3
		10-year								93	1.2	1161	7.3
		25-year								117	1.5	1161	7.3
		50-year								133	1.6	1161	7.3
		2 voor	Natural	1	24	11116	016.92	002.01	1 150	154	1.7	7169	7.3
LIFLZAUZ	LIFLZAUZ	2-year	Indiurai	4	24	1114.0	910.03	903.91	1.159	58	1.7	7168	7.0
		10-vear								68	1.8	7168	7.0
		25-year								84	1.8	7168	7.0
		50-year								96	1.8	7168	7.0
		100-year								111	1.8	7168	7.0
LIPL2A03	8229.1	2-year	Circular	2.5	0	127.5	917.54	916.83	0.557	24	9.3	28	5.8
		5-year								34	10.5	28	5.8
		10-year								41	12.7	28	5.8
		25-year								44	13.3	28	5.8
		50-year								44	13.5	28	5.8
	8220.2	2 voor	Tropozoidol	4	20	107 5	022.40	020.92	1 0 1 0	46	13.6	28	5.8
LIFLZAU3	0229.2	2-year 5-year	паредоюа	1	30	127.5	JZZ.12	920.83	1.012	0	0.0	307	10.2
		10-vear								0	0.0	307	10.2
		25-year								7	2.3	307	10.2
		50-year								12	2.9	307	10.2
		100-year								20	3.5	307	10.2
LIPL2A04	8228.1	2-year	Circular	2	0	46.5	917.99	917.54	0.969	24	7.6	21	6.6
		5-year								34	10.8	21	6.6
		10-year								36	11.5	21	6.6
		25-year								37	11.6	21	6.6
		50-year								37	11.7	21	6.6
		100-year								37	11.8	21	6.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	0000 0	2 voor	Tranazaidal	()	20	46.5	022.24	021 12	2 /11	(0.0)	(1444	(
	0220.2	5-year	Паредонал	2		40.0	322.24	521.12	2.411	0	0.0	1444	24.1
		10-year								19	2.8	1444	24.1
		25-year								36	3.0	1444	24.1
		50-year								43	3.0	1444	24.1
		100-year								52	3.3	1444	24.1
LIPL2A05	8227.1	2-year	Circular	2	0	134.3	918.27	917.99	0.208	23	7.4	10	3.1
		5-year								24	7.5	10	3.1
		10-year								24	7.6	10	3.1
		25-year								24	7.6	10	3.1
		100-year								24	7.0	10	3.1
LIPI 2A05	8227.2	2-vear	Trapezoidal	2	30	134.3	921 52	921 24	0 208	1	0.7	425	7.1
	OLLI'LL	5-year	Trapozoidai			101.0	021.02	021.21	0.200	28	2.4	425	7.1
		10-year								40	2.5	425	7.1
		25-year								48	2.3	425	7.1
		50-year								55	2.4	425	7.1
		100-year								63	2.7	425	7.1
LIPL401	LIPL401	2-year	Natural	6	6	923.8	901.03	897.01	0.435	19	1.0	1554	3.6
		5-year								28	1.0	1554	3.6
		10-year								31	1.0	1554	3.6
		25-year								35	1.0	1554	3.6
		100-year								42	0.9	1554	3.0
		2-vear	Special	2.67	3 33	86.0	001.08	901.03	1 003	40	0.9	1004	5.0
LIFL402	IF L402A	2-year 5-year	Special	2.07	3.33	00.9	901.90	901.03	1.095	20	5.1	51	5.7
		10-vear								31	6.0	51	5.7
		25-year								36	6.3	51	5.7
		50-year								43	6.8	51	5.7
		100-year								46	7.0	51	5.7
LIPL402	IPL402B	2-year	Trapezoidal	1	30	86.9	907.00	906.91	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		2 voor	Natural	4.5	5	220.7	002.61	001.09	0.507	20	0.0	90 1027	3.2
LIF L403	LIF L403	5-vear	Indiurai	4.5	5	320.7	903.01	901.90	0.507	20	2.2	1927	3.9
		10-vear								31	2.3	1927	3.9
		25-year								36	2.4	1927	3.9
		50-year								44	2.4	1927	3.9
		100-year								47	2.4	1927	3.9
LIPL404	IPL404A	2-year	Special	2.5	3.5	47.7	903.86	903.61	0.524	20	5.3	26	3.8
		5-year								29	6.4	26	3.8
		10-year								31	6.6	26	3.8
		25-year								36	7.2	26	3.8
		50-year								44	7.8	26	3.8
		100-year	Tropozsidal		20	47 7	000.00	007.04	1 0 4 4	47	8.1	26	3.8
	IPL404B	∠-year 5-vear	rapezoidal	1	30	47.7	908.69	907.81	1.844	0	0.0	414	13.8
		10-vear								0	0.0	414	13.8
		25-year								0	0.0	414	13.8
		50-year								0	0.0	414	13.8
		100-year								0	0.0	414	13.8
LIPL405	LIPL405	2-year	Natural	5	5	233.6	906.93	903.86	1.317	20	1.8	4157	6.7
		5-year								29	1.9	4157	6.7
		10-year								31	2.0	4157	6.7
		25-year								37	2.0	4157	6.7
		50-year								44	2.1	4157	6.7
		100-year								47	2.2	4157	6.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LIPL406	8470.1	2-year	Circular	2.5	0	50.9	910.27	906.93	6.562	20	11.1	57	11.6
		5-year								29	12.3	57	11.6
		10-year								31	12.5	57	11.6
		25-year								37	13.2	57	11.6
		50-year								44	13.9	57	11.6
	8470.2	100-year	Tranazaidal	1	20	50.0	015 60	011 60	7 966	47	14.0	57	11.6
LIPL406	8470.2	2-year 5-year	Trapezoidai	1	30	50.9	915.60	911.60	7.800	0	0.0	855	28.5
		10-vear								0	0.0	855	28.5
		25-year								0	0.0	855	28.5
		50-year								0	0.0	855	28.5
		100-year								0	0.0	855	28.5
LIPL407	8471.1	2-year	Circular	2	0	127.0	912.80	910.27	1.993	20	10.0	30	9.4
		5-year								29	10.9	30	9.4
		10-year								31	11.2	30	9.4
		25-year								37	12.1	30	9.4
		100-year								44	13.9	30	9.4
LIPI 407	8471.2	2-vear	Trapezoidal	1	30	127 0	918 55	914 60	3 111	0	0.0	538	17.9
		5-year								0	0.0	538	17.9
		10-year								0	0.0	538	17.9
		25-year								0	0.0	538	17.9
		50-year								0	0.0	538	17.9
		100-year								0	0.0	538	17.9
LIPL408	8230.1	2-year	Circular	2	0	363.0	919.35	912.80	1.805	20	9.8	28	9.0
		5-year								29	10.3	28	9.0
		10-year								31	10.5	28	9.0
		20-year								35	10.9	20	9.0
		100-year								35	11.0	28	9.0
LIPL408	8230.2	2-vear	Trapezoidal	1	30	363.0	924.93	917.55	2.033	0	0.0	435	14.5
		5-year								0	0.0	435	14.5
		10-year								0	0.0	435	14.5
		25-year								3	2.1	435	14.5
		50-year								16	3.7	435	14.5
		100-year								25	3.8	435	14.5
LIPL409	8231.1	2-year	Circular	2	0	61.5	919.39	919.35	0.065	20	7.6	5	1.7
		5-year								29	9.5	5	1.7
		25-vear								31	9.7	5	1.7
		50-vear								33	10.3	5	1.7
		100-year								33	10.4	5	1.7
LIPL409	8231.2	2-year	Trapezoidal	2	30	61.5	924.56	923.93	1.025	0	0.0	941	15.7
		5-year								0	0.0	941	15.7
		10-year								0	0.0	941	15.7
		25-year								44	3.1	941	15.7
		50-year								53	3.2	941	15.7
		100-year								60	3.1	941	15.7
LIPL410	8232.1	2-year	Circular	2	0	72.9	919.61	919.39	0.302	20	6.3	12	3.7
		10-vear								∠ઝ ર1	9.1 Q.R	12	3.7
		25-year								31	9,9	12	3.7
		50-year								31	9.9	12	3.7
		100-year								32	10.0	12	3.7
LIPL410	8232.2	2-year	Trapezoidal	2	30	72.9	924.69	923.56	1.550	0	0.0	1158	19.3
		5-year								0	0.0	1158	19.3
		10-year								0	0.0	1158	19.3
		25-year								37	2.4	1158	19.3
		50-year								51	3.0	1158	19.3
		100-year								59	2.7	1158	19.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	0000 4	2-100	Circular	(227 -	022.40	010.64	1 007	(2.3)		,,	7 /
	0200.1	2-year 5-year	Circular	2	0	221.5	322.40	919.01	1.227	20	0.9 7 0	23 วว	7.4
		10-vear								23	7.5	23	7.4
		25-year								22	7.0	23	7.4
		50-year								22	7.0	23	7.4
		100-year								22	7.0	23	7.4
LIPL411	8233.2	2-year	Trapezoidal	2	30	227.5	924.90	923.69	0.532	0	0.0	678	11.3
		5-year								11	2.3	678	11.3
		10-year								22	2.6	678	11.3
		25-year								34	2.8	678	11.3
		50-year								39	2.6	678	11.3
		100-year	Tranazaidal	6	20	67.6	000.00	907.09	2,096	40	3.1	678 5900	11.3
LIPLOU	LIPLOUI	z-year 5-year	Паредоциа	0	20	07.0	900.00	097.90	2.900	24	0.9	5800	17.3
		10-vear								40	1.0	5800	17.3
		25-year								48	1.0	5800	17.3
		50-year								53	1.0	5800	17.3
		100-year								61	1.0	5800	17.3
LIPL502	IPL502A	2-year	Circular	3.5	0	53.4	901.84	900.00	3.444	24	9.8	101	10.5
		5-year								34	11.0	101	10.5
		10-year								40	11.6	101	10.5
		25-year								48	12.2	101	10.5
		50-year								54	12.6	101	10.5
		100-year								62	13.0	101	10.5
LIPL502	IPL502B	2-year	Trapezoidal	1	30	53.4	905.00	904.95	0.100	0	0.0	93	3.1
		5-year								0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LIPI 601	LIPI 601	2-vear	Natural	6.2	4	524.6	901.37	899.05	0 443	114	0.5	71892	14 7
		5-vear	- tatara	0.2		02 1.0	001.07	000.00	0.110	158	0.5	71892	14.7
		10-year								183	0.5	71892	14.7
		25-year								206	0.5	71892	14.7
		50-year								217	0.4	71892	14.7
		100-year								224	0.4	71892	14.7
LIPL602	IPL602A	2-year	Special	2	3.5	66.1	901.77	901.37	0.601	22	6.8	24	3.7
		5-year								33	7.7	24	3.7
		10-year								39	8.6	24	3.7
		25-year								47	9.4	24	3.7
		50-year								52	9.8	24	3.7
		2-vear	Trapezoidal	4	20	66.4	906 66	906 50	0 100	57	10.1	24	3.7
LIFLOUZ	IF LOUZD	∠-year 5-vear	riapezulual	1		00.1	90.00	900.09	0.100	0	0.0	99 99	<u> </u>
		10-vear								0	0.0	<u>99</u>	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LIPL603	LIPL603	2-year	Natural	4	20	448.5	904.50	901.77	0.609	47	1.6	6596	10.3
		5-year								74	1.7	6596	10.3
		10-year								88	1.8	6596	10.3
		25-year								106	1.8	6596	10.3
		50-year								120	1.8	6596	10.3
	0.400 ÷	100-year	O'mu t			a= -	005	001-5		137	1.9	6596	10.3
LIPL604	8468.1	2-year	Circular	3	0	67.7	905.30	904.50	1.181	15	9.3	67	9.5
		o-year								22	10.5	67	9.5
		25-vear								∠0 31	11.1	67	9.5
		50-vear								35	12.4	67	9.5
		100-year								40	12.9	67	9.5
													0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9469.2	2 voor	Tranazaidal	()	20	67.7	012 72	011.00	4.016	(0.0)	(611	20.4
LII 2004	0400.2	5-year	Паредонал			07.7	313.72	311.00	4.010	0	0.0	611	20.4
		10-year								0	0.0	611	20.4
		25-year								0	0.0	611	20.4
		50-year								0	0.0	611	20.4
		100-year								0	0.0	611	20.4
LIPL605	8469.1	2-year	Circular	2	0	311.3	911.63	905.30	2.034	15	9.0	30	9.5
		5-year								22	10.2	30	9.5
		10-year								26	10.7	30	9.5
		50-vear								35	11.0	30	9.5
		100-vear								36	11.7	30	9.5
LIPL605	8469.2	2-year	Trapezoidal	1	30	311.3	915.55	912.72	0.909	0	0.0	291	9.7
		5-year								0	0.0	291	9.7
		10-year								0	0.0	291	9.7
		25-year								0	0.0	291	9.7
		50-year								0	0.0	291	9.7
		100-year	. ·			<u> </u>	0.000			4	1.8	291	9.7
LIPL6A01	8393.1	2-year	Circular	2	0	84.4	906.85	904.50	2.783	33	16.4	35	11.2
		o-year 10-year								<u></u>	18.0	35	11.2
		25-vear								41	18.7	35	11.2
		50-vear								43	18.9	35	11.2
		100-year								46	19.2	35	11.2
LIPL6A01	8393.2	2-year	Trapezoidal	1	30	84.4	912.43	912.00	0.509	0	0.0	218	7.3
		5-year								14	2.5	218	7.3
		10-year								23	3.0	218	7.3
		25-year								34	3.5	218	7.3
		50-year								43	3.8	218	7.3
	0000.4	100-year	Cincular		0	004.0	007.00	000.05	0.000	55	4.2	218	7.3
LIPL6A02	8223.1	2-year	Circular	2	0	231.8	907.39	906.85	0.233	10	5.2	10	3.2
		10-vear								18	5.5	10	3.2
		25-year								18	5.6	10	3.2
		50-year								18	5.6	10	3.2
		100-year								18	5.6	10	3.2
LIPL6A02	8223.2	2-year	Trapezoidal	2	30	231.8	912.66	912.43	0.100	2	0.7	293	4.9
		5-year								18	1.9	293	4.9
		10-year								23	2.1	293	4.9
		25-year								30	2.3	293	4.9
		100-year									2.5	293	4.9
LIPL6A03	8222.1	2-year	Circular	2	Λ	43.2	908 01	907.39	1,436	15	5.0	233	
2 20,100	JEEL!!	5-year			0	10.2	000.01	007.00		17	5.5	25	8.0
		10-year								18	5.8	25	8.0
		25-year								18	5.7	25	8.0
		50-year								18	5.8	25	8.0
		100-year								18	5.8	25	8.0
LIPL6A03	8222.2	2-year	Trapezoidal	3	30	43.2	911.34	911.31	0.069	18	1.3	464	5.2
		5-year								26	1.4	464	5.2
		10-year								31	1.4	464	5.2
		50-vear								38 43	1.4	404 464	5.2
		100-year								49	1.5	464	5.2
LIPMC02	LIPMC02	2-year	Natural	11.2	0	824.4	887.24	885.58	0.201	816	2.7	19847	4.9
		5-year								1178	2.6	19847	4.9
		10-year								1319	2.6	19847	4.9
		25-year								1512	2.6	19847	4.9
		50-year								1649	2.6	19847	4.9
		100-year								1805	2.6	19847	4.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Licor Dofined	()	()	(.001)	997.40	007.24	0.294	709	((0.0)	(
	II MC03A	5-year	User Denned	0	0	41.0	007.40	007.24	0.304	1167	13.0	0	11.4
		10-year								1329	14.3	0	11.4
		25-year								1551	15.9	0	11.4
		50-year								1709	16.9	0	11.4
		100-year								1890	18.0	0	11.4
LIPMC03	IPMC03B	2-year	Trapezoidal	2	30	41.6	894.50	894.46	0.100	0	0.0	288	4.8
		5-year								0	0.0	288	4.8
		10-year								0	0.0	288	4.8
		25-year								0	0.1	288	4.8
		100-year								23 105	2.3	200	4.0
LIPMC04	LIPMC04	2-vear	Natural	8 1	0	1846.0	891 21	887 40	0 206	796	4.0	8741	4.0
		5-vear	Hatara	0.1		10 10.0	001.21	007.10	0.200	1153	2.3	8741	4.4
		10-year								1349	2.4	8741	4.4
		25-year								1636	2.5	8741	4.4
		50-year								1847	2.6	8741	4.4
		100-year								2084	2.7	8741	4.4
LIPMC05	IPMC05A	2-year	User Defined	0	0	21.6	891.75	891.21	2.501	778	6.4	0	13.6
		5-year								1143	8.1	0	13.6
		10-year								1342	9.0	0	13.6
		25-year								1606	10.1	0	13.6
		50-year								1797	10.9	0	13.6
LIBMOOF	IDMOSED	100-year	Tana ana islad			01.0	000.00	004.00	0.400	2027	11.9	0	13.6
LIPMC05	IPMC05B	2-year	Trapezoidal	1	30	21.6	902.00	901.98	0.100	0	0.0	79	2.6
		10-vear								0	0.0	79	2.0
		25-vear								0	0.0	79	2.6
		50-year								0	0.0	79	2.6
		100-year								0	0.0	79	2.6
LIPMC06	LIPMC06	2-year	Natural	8	0	247.5	892.00	891.75	0.101	777	2.1	6538	3.3
		5-year								1142	2.1	6538	3.3
		10-year								1342	2.0	6538	3.3
		25-year								1604	2.0	6538	3.3
		50-year								1796	2.0	6538	3.3
		100-year	-							2024	2.1	6538	3.3
LIPMC07	IPMC07A	2-year	Rectangular	12	12	95.2	892.50	892.00	0.525	259	5.6	2304	16.0
		5-year								381	7.2	2304	16.0
		25-vear								535	7.9	2304	16.0
		50-vear								598	9.4	2304	16.0
		100-year								674	10.2	2304	16.0
LIPMC07	IPMC07B	2-year	Trapezoidal	1	30	95.2	908.00	907.90	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LIPMC08	LIPMC08	2-year	Natural	10	0	1763.3	896.15	892.50	0.207	699	2.1	25036	5.1
		5-year								1025	2.2	25036	5.1
		25-vear								1//1	2.2	25030	5.1
		50-year								1610	∠.3 2 3	25036	5.1
		100-year								1799	2.3	25036	5.1
LIPMC09	IPMC09A	2-year	Rectangular	12	8	151.3	896.30	896.15	0.099	351	10.6	575	6.0
		5-year	<u> </u>							514	14.2	575	6.0
		10-year								605	16.0	575	6.0
		25-year								724	18.0	575	6.0
		50-year								810	19.4	575	6.0
		100-year								906	20.9	575	6.0
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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	IPMC09B	2-vear	Trapezoidal	1	30	151.3	912.00	911 85	0 100	0	0.0	96	32
		5-vear	Trapozoidai			101.0	012.00	011.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LIPMC10	LIPMC10	2-year	Trapezoidal	10	6	20.5	896.50	896.30	0.978	575	6.8	3745	10.4
		5-year								843	8.1	3745	10.4
		10-year								992	8.5	3745	10.4
		25-year								1180	9.0	3745	10.4
		100-year								1495	9.5	3745	10.4
LIPMC11	LIPMC11	2-vear	Trapezoidal	8	6	26.3	897.01	896.50	1.937	541	1.3	20969	14.1
		5-year								791	1.5	20969	14.1
		10-year								940	1.5	20969	14.1
		25-year								1137	1.6	20969	14.1
		50-year								1275	1.6	20969	14.1
		100-year								1441	1.6	20969	14.1
LIPMC12	LIPMC12	2-year	Natural	6	22	1160.2	897.98	897.01	0.084	530	1.1	3599	2.5
		5-year								782	1.2	3599	2.5
		10-year								929	1.2	3599	2.5
		50-vear								120	1.2	3599	2.5
		100-year								1408	1.2	3599	2.5
LIPMC13	IPMC13A	2-vear	Rectangular	6	6	87.2	899.05	897.98	1,226	274	14.9	554	15.4
2.1.11.0.10		5-year	rtootarigutai			0.12	000100	001.00		401	17.5	554	15.4
		10-year								475	18.9	554	15.4
		25-year								573	20.5	554	15.4
		50-year								646	21.6	554	15.4
		100-year								715	22.5	554	15.4
LIPMC13	IPMC13B	2-year	Trapezoidal	1	30	87.2	905.00	904.91	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		50-vear								0	0.0	90	3.3
		100-vear								0	0.0	98	3.3
LIPMC14	LIPMC14	2-vear	Trapezoidal	8	10	1301.8	901.49	899.05	0.187	459	4.2	1664	5.0
-		5-year								682	4.7	1664	5.0
		10-year								813	4.9	1664	5.0
		25-year								1001	5.2	1664	5.0
		50-year								1137	5.4	1664	5.0
		100-year								1317	5.6	1664	5.0
LIPMC15	IPMC15A	2-year	Rectangular	5	6	35.8	902.00	901.49	1.424	234	8.5	467	15.6
		5-year								268	9.1	467	15.6
		10-year								2/4	9.2	467	15.6
		50-vear								201	9.3 Q /	407	15.6
		100-vear								287	9.4	467	15.6
LIPMC15	IPMC15B	2-year	Trapezoidal	5	30	35.8	906.00	905.96	0.100	-10	-1.0	1284	8.6
		5-year								159	4.4	1284	8.6
		10-year								351	7.1	1284	8.6
		25-year								543	8.2	1284	8.6
		50-year								667	8.8	1284	8.6
		100-year								840	9.6	1284	8.6
LIPMC16	LIPMC16	2-year	Trapezoidal	7	10	337.3	903.73	902.00	0.513	409	4.3	1922	7.6
		o-year								509	4.7	1922	7.6
		25-year								128 892	4.8	1922	7.0
		50-year								1015	5.2	1922	7.6
		100-year								1177	5.4	1922	7.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LIPMC17	IPMC174	2-vear	Rectangular	5	8	44.7	903.90	903 73	0.381	204	7.4	349	87
		5-vear	rectarigutai	5	0		303.30	505.75	0.001	302	8.8	349	8.7
		10-year								334	9.0	349	8.7
		25-year								353	9.1	349	8.7
		50-year								369	9.1	349	8.7
		100-year								383	9.2	349	8.7
LIPMC17	IPMC17B	2-year	Trapezoidal	4	30	44.7	908.00	907.96	0.100	0	0.0	820	6.8
		5-year								5	1.2	820	6.8
		10-year								61	3.5	820	6.8
		25-year								186	5.6	820	6.8
		100-year								417	7.5	820	6.8
LIPMC18	LIPMC18	2-vear	Trapezoidal	7.5	22	580.4	904.00	903.90	0.017	409	1.8	1246	1.4
		5-year								608	1.8	1246	1.4
		10-year								727	1.9	1246	1.4
		25-year								892	1.9	1246	1.4
		50-year								1014	1.9	1246	1.4
		100-year								1175	2.0	1246	1.4
LIPMC19	IPMC19A	2-year	Rectangular	5	8	50.9	904.25	904.00	0.500	206	7.3	397	9.9
		5-year								306	8.8	397	9.9
		10-year								365	9.5	397	9.9
		25-year								416	10.1	397	9.9
		100-year								470	11.1	397	9.9
LIPMC19	IPMC19B	2-vear	Trapezoidal	4	30	50.9	909.00	908.95	0.100	0	0.0	860	7.2
2.1.11010		5-year	rapozoidai					000.00	000	0	0.0	860	7.2
		10-year								1	0.7	860	7.2
		25-year								68	3.8	860	7.2
		50-year								142	5.0	860	7.2
		100-year								264	6.3	860	7.2
LIPMC20	LIPMC20	2-year	Trapezoidal	7.5	25	291.3	906.02	904.08	0.666	253	2.5	5085	9.4
		5-year								377	2.8	5085	9.4
		10-year								454	2.9	5085	9.4
		50-vear								634	2.9	5085	9.4
		100-vear								738	3.0	5085	9.4
LLWL101	LLWL101	2-year	Natural	15	0	2597.6	910.43	898.29	0.467	196	2.0	220813	9.2
		5-year								294	2.1	220813	9.2
		10-year								357	2.2	220813	9.2
		25-year								442	2.3	220813	9.2
		50-year								503	2.4	220813	9.2
		100-year								585	2.4	220813	9.2
LLWMC02	LLWMC02	2-year	Natural	12	0	791.5	866.22	862.03	0.529	1218	7.7	6650	11.2
		5-year								2019	8.9	6650	11.2
		25-year								2663	9.6	0000	11.2
		50-year								4007	10.3	6650	11.2
		100-year								4842	11.2	6650	11.2
LLWMC03	LLWMC03	2-year	Trapezoidal	12	25	26.8	869.31	867.40	7.125	1208	12.4	45672	102.9
		5-year								2004	13.2	45672	102.9
		10-year								2644	14.1	45672	102.9
		25-year								3487	15.3	45672	102.9
		50-year								3980	16.0	45672	102.9
		100-year								4807	16.9	45672	102.9
LLWMC04	LLWMC04	2-year	Natural	16	0	1641.2	874.60	868.75	0.356	1208	5.8	22314	10.2
		o-year								2004	5.8	22314	10.2
		25-vear								2044	0.3 6.4	22314	10.2
		50-vear								3981	6.5	22314	10.2
		100-year								4810	6.7	22314	10.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	()	()	2061.7	070 12	974.60	0.110	1204	(0169	(
LEVINCOS	LEVINCOS	5-year	Inatural	14	0	2301.7	070.13	074.00	0.113	1997	4.3	9168	3.9
		10-year								2635	4.8	9168	3.9
		25-year								3479	4.8	9168	3.9
		50-year								3972	4.8	9168	3.9
		100-year								4782	4.8	9168	3.9
LLWMC06	LWMC06A	2-year	User Defined	0	0	26.0	878.42	878.13	0.695	1206	6.3	0	10.9
		5-year								1999	6.9	0	10.9
		10-year								2637	7.5	0	10.9
		25-year								3538	7.9	0	10.9
		100-year								4034	0.2	0	10.9
LLWMC06	LWMC06B	2-vear	Trapezoidal	1	30	41 7	895 10	895.06	0 100	4737	0.0	94	3.1
LEWINCOO	Ettilloood	5-vear	Trapozoidai				000.10	000.00	0.100	0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LLWMC07	LLWMC07	2-year	Natural	15.2	0	706.1	879.11	878.42	0.098	1203	4.4	6225	3.3
		5-year								1994	4.7	6225	3.3
		10-year								2632	5.0	6225	3.3
		25-year								3536	5.2	6225	3.3
		50-year								4040	5.2	6225	3.3
1114/14/0000	114/14/00004	100-year	Lissa Define d	0		00.0	070.55	070.44	0.050	4791	5.3	6225	3.3
LLWMC08	LWMC08A	2-year	User Defined	0	0	66.8	879.55	879.11	0.659	1203	5.4	0	13.0
		10-vear								2633	7.0	0	13.0
		25-vear								3543	9.1	0	13.0
		50-year								4062	9.6	0	13.0
		100-year								4795	10.0	0	13.0
LLWMC08	LWMC08B	2-year	Trapezoidal	1	30	66.8	906.00	905.93	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LLWMC09	LLWMC09	2-year	Natural	14	0	1607.1	884.30	879.55	0.296	1199	4.5	25013	6.7
		5-year								1996	4.5	25013	6.7
		25-vear								2040	4.5	25013	6.7
		50-vear								4260	4.5	25013	6.7
		100-year								4910	4.5	25013	6.7
LLWMC10	LLWMC10	2-year	Natural	14	0	923.7	887.16	884.30	0.310	197	3.1	41376	7.4
		5-year								241	3.1	41376	7.4
		10-year								289	3.1	41376	7.4
		25-year								401	3.2	41376	7.4
		50-year								494	3.1	41376	7.4
		100-year								609	2.8	41376	7.4
LLWMC11	LWMC11A	2-year	Rectangular	3	6	37.4	887.47	887.16	0.829	98	5.5	174	9.7
		5-year								121	6.7	174	9.7
		25-year								125	0.9 7 1	174	9.7
		50-year								120	7.1	174	9.7
		100-year								131	7.3	174	9.7
LLWMC11	LWMC11B	2-year	Trapezoidal	10	30	37.4	892.00	891.96	0.100	0	0.0	3438	11.5
	_	5-year								57	3.0	3438	11.5
		10-year								138	4.1	3438	11.5
		25-year								229	5.3	3438	11.5
		50-year								302	6.3	3438	11.5
		100-year								403	7.4	3438	11.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LLWMC12	LLWMC12	2-vear	Natural	12.2	0	3695.9	898 29	887 47	0 293	204	17	45913	6.3
LEVINOTZ	LEWMOTZ	5-vear	Induitai	12.2	0	0000.0	030.23	007.47	0.200	293	1.6	45913	6.3
		10-year								355	1.6	45913	6.3
		25-year								439	1.5	45913	6.3
		50-year								511	1.5	45913	6.3
		100-year								604	1.4	45913	6.3
LLWMC13	LLWMC13	2-year	Natural	20	0	780.1	905.80	898.29	0.963	148	0.9	541338	17.4
		5-year								230	1.0	541338	17.4
		10-year								277	1.0	541338	17.4
		25-year								340	1.0	541338	17.4
		100-vear								447	1.1	541338	17.4
LLWMC14	LLWMC14	2-vear	Natural	12	0	2122.2	911.74	905.80	0.280	81	0.5	215804	8.3
		5-year								123	0.5	215804	8.3
		10-year								148	0.5	215804	8.3
		25-year								180	0.6	215804	8.3
		50-year								204	0.6	215804	8.3
		100-year								236	0.6	215804	8.3
LNCL101	LNCL101	2-year	Natural	10	3	291.5	886.70	886.36	0.117	409	3.2	9003	5.0
		5-year								582	3.0	9003	5.0
		10-year								705	2.8	9003	5.0
		25-year								038	2.5	9003	5.0
		100-vear								1101	2.5	9003	5.0
LNCL201	LNCL201	2-vear	Natural	7	0	280.3	890.35	889.88	0.168	119	0.4	15111	5.1
2.102201	2.102201	5-year	- tatara			20010	000100	000.00	000	183	0.5	15111	5.1
		10-year								222	0.5	15111	5.1
		25-year								275	0.5	15111	5.1
		50-year								315	0.5	15111	5.1
		100-year								368	0.6	15111	5.1
LNCL202	LNCL202	2-year	Natural	7	0	1537.1	901.00	890.35	0.693	94	1.7	30715	10.4
		5-year								140	1.9	30715	10.4
		10-year								169	2.0	30715	10.4
		20-year								207	2.0	30715	10.4
		100-vear								272	2.2	30715	10.4
LNCL401	LNCL401	2-year	Natural	10	0	506.1	898.00	894.65	0.662	147	0.5	92791	11.0
		5-year								223	0.6	92791	11.0
		10-year								274	0.6	92791	11.0
		25-year								341	0.7	92791	11.0
		50-year								389	0.7	92791	11.0
		100-year								453	0.7	92791	11.0
LNCL402	LNCL402	2-year	Natural	8	0	2662.6	919.70	898.00	0.815	64	1.4	74997	11.9
		5-year								91	1.5	74997	11.9
		25-vear								107	1.5	74997	11.9
		50-year								152	1.5	74997	11.9
		100-year								176	1.6	74997	11.9
LNCL403	8717.1	2-year	Circular	3	0	100.0	920.34	919.70	0.640	61	14.4	50	7.0
		5-year								65	15.1	50	7.0
		10-year								67	15.4	50	7.0
		25-year								70	15.7	50	7.0
		50-year								71	16.0	50	7.0
		100-year								73	16.3	50	7.0
LNCL403	8717.2	2-year	Trapezoidal	2	30	100.0	924.00	923.90	0.100	17	2.0	294	4.9
		5-year								47	3.1	294	4.9
		10-year								65	3.5	294	4.9
		50-year								09 107	4.0 4 3	294	4.9 4 0
		100-year								131	4.7	294	4.9
		,00.											

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8719.1	2-vear	Circular	(. ,	(- ,	67.2	920 77	920 34	0 630	15	30	()	70
	0/10.1	5-year	Circular		0	07.3	520.11	520.04	0.009	20	3.3	50	7.0
		10-year								22	3.3	50	7.0
		25-year								24	3.5	50	7.0
		50-year								24	3.5	50	7.0
		100-year								24	3.5	50	7.0
LNCL404	8718.2	2-year	Trapezoidal	2	30	67.3	924.10	924.00	0.149	6	0.7	359	6.0
		5-year								14	0.9	359	6.0
		10-year								19	1.0	359	6.0
		25-year								24	1.1	359	6.0
		100-year								33	1.2	359	6.0
I NCI 405	8210.1	2-vear	Circular	2	0	192.8	922 50	920 77	0 897	16	5.9	20	6.3
LINGE 100	0210.1	5-vear	onoului			102.0	022.00	020.11	0.007	21	6.7	20	6.3
		10-year								23	7.2	20	6.3
		25-year								24	7.7	20	6.3
		50-year								25	7.8	20	6.3
		100-year								25	7.8	20	6.3
LNCL405	8210.2	2-year	Trapezoidal	1	30	192.8	926.42	924.10	1.203	0	0.0	335	11.2
		5-year								1	0.2	335	11.2
		10-year								5	0.6	335	11.2
		25-year								11	1.5	335	11.2
		50-year								15	2.3	335	11.2
		100-year								20	2.8	335	11.2
LNCL4A01	8715.1	2-year	Circular	2	0	10.5	921.46	920.34	10.707	27	8.6	24	7.5
		5-year								27	0.5 9.5	24	7.5
		25-vear								27	8.4	24	7.5
		50-vear								27	8.3	24	7.5
		100-year								27	8.3	24	7.5
LNCL4A01	8715.2	2-year	Trapezoidal	2	30	10.5	924.01	924.00	0.100	33	2.9	170	2.8
		5-year								52	3.3	170	2.8
		10-year								63	3.3	170	2.8
		25-year								76	3.4	170	2.8
		50-year								87	3.5	170	2.8
		100-year								100	3.6	170	2.8
LNCL4B01	8716.1	2-year	Circular	2	0	87.0	923.75	920.34	3.921	19	6.4	24	7.7
		5-year								18	6.2	24	7.7
		10-year								18	6.0	24	7.7
		25-year								18	5.9	24	
		100-year								18	5.8 5.0	24	77
I NCI 4B01	8716.2	2-vear	Trapezoidal	2	30	87 0	925 75	924 00	2 012	0 i و	1.9	24 1310	22.0
	0710.2	5-year	Tapezoidal	2		07.0	525.15	524.00	2.012	19	22	1319	22.0
		10-vear								26	2.2	1319	22.0
		25-year								34	2.4	1319	22.0
		50-year								41	2.6	1319	22.0
		100-year								50	2.8	1319	22.0
LNCL4C01	LNCL4C01	2-year	Circular	2	0	43.4	921.46	920.77	1.591	2	0.6	26	8.4
		5-year								3	0.8	26	8.4
		10-year								3	0.9	26	8.4
		25-year								2	0.6	26	8.4
		50-year								2	0.7	26	8.4
		100-year								-2	-0.5	26	8.4
LNCL4D01	8412.1	2-year	Circular	2	0	42.3	922.56	922.50	0.142	16	6.0	8	2.5
		5-year								21	6.6	8	2.5
		10-year								23	/.1	8	2.5
		50-vear								24 25	7.0	8	2.5 2.5
		100-vear								25 25	7.9	0 8	2.5
		.00 you		I						20	1.5	0	2.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LNCL4D01	8412.2	2-vear	Tranezoidal	1	30	42.3	926 56	926.42	0 331	ر <i>ب</i>	0.0	176	59
ENGEIDUI	0112.2	5-vear	Trapozoidai			12.0	020.00	020.12	0.001	6	1.6	176	5.9
		10-year								10	2.0	176	5.9
		25-year								15	2.3	176	5.9
		50-year								19	2.5	176	5.9
		100-year								23	2.8	176	5.9
LNCL500	LNCL500	2-year	Natural	8	0	1000.0	906.12	899.37	0.675	238	4.4	84746	9.6
		5-year								440	3.6	84746	9.6
		10-year								602	3.2	84746	9.6
		25-year								800	2.9	84746	9.6
		100-year								1152	2.9	84746	9.0
I NCI 501	LNCI 501	2-vear	Natural	8	0	2354 7	922.00	906 12	0 674	157	3.9	84708	9.6
ENGESST	ENGESCI	5-vear	Indulai	0	0	2004.7	522.00	300.12	0.074	317	4.2	84708	9.6
		10-vear								461	4.2	84708	9.6
		25-year								611	4.1	84708	9.6
		50-year								735	3.9	84708	9.6
		100-year								897	3.6	84708	9.6
LNCL502	NCL502A	2-year	Rectangular	4	6	29.7	924.00	922.00	6.739	95	10.8	743	30.9
		5-year								174	16.1	743	30.9
		10-year								221	18.5	743	30.9
		25-year								292	22.0	743	30.9
		50-year								346	24.4	743	30.9
		100-year								421	27.4	743	30.9
LNCL502	NCL502B	2-year	Trapezoidal	2	30	29.7	932.00	931.97	0.100	0	0.0	294	4.9
		5-year								0	0.0	294	4.9
		10-year								0	0.0	294	4.9
		50-year								0	0.0	294	4.9
		100-year								0	0.0	294	4.9
I NCI 503	LNCI 503	2-vear	Natural	5	0	2978 9	961 73	924.00	1 267	87	19	9824	11 9
LINOLOGO	LINGLOOD	5-vear	i tatara			2070.0	001.70	021.00	1.207	163	2.3	9824	11.9
		10-year								213	2.4	9824	11.9
		25-year								281	2.5	9824	11.9
		50-year								335	2.5	9824	11.9
		100-year								407	2.6	9824	11.9
LNCMC02	LNCMC02	2-year	Natural	20	0	3667.0	877.70	874.00	0.101	1161	2.3	17110	5.1
		5-year								1889	2.5	17110	5.1
		10-year								2169	2.6	17110	5.1
		25-year								2972	2.9	17110	5.1
		50-year								3569	3.1	17110	5.1
		100-year	Notural		-	2402.4	000 70	077 70	0.005	4295	3.2	1/110	5.1
		2-year	เงลเนเลเ	14	0	2403.1	002.70	0//./0	0.205	1157	3.4	15321	5.2
		10-vear								2127	<u> </u>	15321	5.2
		25-vear								2912	4 0	15321	5.2
		50-year								3545	4.1	15321	5.2
		100-year								4342	4.0	15321	5.2
LNCMC04	NCMC04A	2-year	User Defined	0	0	64.1	882.89	882.76	0.205	1153	2.2	0	6.7
		5-year								1863	2.8	0	6.7
		10-year								2132	3.0	0	6.7
		25-year								2945	3.4	0	6.7
		50-year								3592	3.6	0	6.7
		100-year								4372	3.8	0	6.7
LNCMC04	NCMC04B	2-year	Trapezoidal	1	30	64.1	906.00	905.94	0.100	0	0.0	93	3.1
		5-year								0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		∠o-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
	l	100-year	1							0	0.0	93	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	11 30	(,	1690.7	886.36	882.80	0.205	1116	3.4	10366	65
LIVONIOUS	LIVOMOUS	5-vear	Naturai	11.00	0	1000.7	000.00	002.05	0.200	1805	3.4	19366	6.5
		10-year								2069	3.4	19366	6.5
		25-year								2931	3.4	19366	6.5
		50-year								3627	3.4	19366	6.5
		100-year								4328	3.4	19366	6.5
LNCMC06	LNCMC06	2-year	Natural	12	0	1715.8	889.88	886.36	0.205	1045	2.4	38410	7.7
		5-year								1638	2.5	38410	7.7
		10-year								1857	2.6	38410	7.7
		25-year								2537	2.6	38410	7.7
		50-year								2987	2.6	38410	1.1
		100-year	Notural	0	0	2224.2	804.60	000.00	0 1 4 1	1010	2.0	19665	1.1
LINCINCOT	LINCINCUT	5-vear	Indiurai	0	0	3334.2	094.00	009.00	0.141	1713	2.1	18665	4.0
		10-vear								1927	2.0	18665	4.6
		25-vear								2559	2.0	18665	4.6
		50-year								2997	2.0	18665	4.6
		100-year								3593	2.1	18665	4.6
LNCMC08	NCMC08A	2-year	Rectangular	7	6	38.3	894.65	894.60	0.141	512	21.7	231	5.5
		5-year								816	29.8	231	5.5
		10-year								982	31.0	231	5.5
		25-year								1200	34.5	231	5.5
		50-year								1349	36.1	231	5.5
		100-year								1544	39.1	231	5.5
LNCMC08	NCMC08B	2-year	Trapezoidal	4	30	38.3	900.00	899.96	0.100	0	0.0	876	7.3
		5-year								0	0.0	876	7.3
		10-year								54	3.5	876	7.3
		25-year								234	7.4	070	7.3
		100-year								625	7.4	876	7.3
		2-vear	Natural	12	0	1908 5	897 35	894 65	0 141	890	4.0	43751	5.1
LIVONIOUS	LIVONICOS	5-vear	Naturai	12	0	1000.0	007.00	004.00	0.141	1512	4.0	43751	5.1
		10-year								2006	3.8	43751	5.1
		25-year								2663	3.8	43751	5.1
		50-year								3186	3.8	43751	5.1
		100-year								3805	3.8	43751	5.1
LNCMC10	LNCMC10	2-year	Natural	10	0	1028.9	899.37	897.35	0.196	942	1.9	22377	5.0
		5-year								1532	2.0	22377	5.0
		10-year								1947	2.2	22377	5.0
		25-year								2500	2.4	22377	5.0
		50-year								2935	2.6	22377	5.0
1 1 0 1 0 1 4		100-year	Matural		0	070 5	000.00	000.07	0.045	3538	2.8	22377	5.0
LNCMC11	LINC/MC11	∠-year	INATURA	8	0	673.5	900.82	899.37	0.215	932	3.4	161/2	4.5
		10-vear								1419	3.4	16172	4.5
		25-year								2124	3.4	16172	4.5
		50-vear								2462	3.4	16172	4.5
		100-year								2923	3.4	16172	4.5
LNCMC12	LNCMC12	2-year	Natural	9	0	1243.9	903.48	900.82	0.214	869	2.5	30652	5.8
		5-year								1314	2.5	30652	5.8
		10-year								1578	2.5	30652	5.8
		25-year								1938	2.5	30652	5.8
		50-year								2244	2.5	30652	5.8
		100-year								2668	2.5	30652	5.8
LNCMC13	LNCMC13	2-year	Natural	6.5	0	1216.5	906.50	903.48	0.248	845	3.2	13921	4.7
		5-year								1278	3.2	13921	4.7
		10-year								1470	3.2	13921	4.7
		25-year								1783	3.2	13921	4.7
		50-year								2073	3.2	13921	4.7
		roo-year								2476	3.2	13921	4.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	17	(,	1011.6	873.03	868.00	0.586	1174	9.6	0627	1/ 0
LINGINIO 14	LINOMOTY	5-vear	Indulai	17	0	1011.0	0/0.00	000.00	0.000	1911	10.7	9627	14.9
		10-year								2196	11.0	9627	14.9
		25-year								3004	11.9	9627	14.9
		50-year								3594	12.4	9627	14.9
		100-year								4317	12.9	9627	14.9
LNCMC15	NCMC15A	2-year	Circular	3	0	70.4	874.00	873.93	0.099	123	17.2	11	1.6
		5-year								123	17.2	11	1.6
		10-year								123	17.2	11	1.6
		25-year								123	17.2	11	1.6
		100-vear								123	17.2	11	1.0
LNCMC15	NCMC15B	2-vear	Trapezoidal	6	50	70.4	886.00	885.93	0.100	930	8.0	3297	9.8
		5-year								1661	9.7	3297	9.8
		10-year								1941	10.2	3297	9.8
		25-year								2740	11.3	3297	9.8
		50-year								3323	12.0	3297	9.8
		100-year								4034	12.7	3297	9.8
LPOL102	LPOL102	2-year	Natural	5	0	1464.0	919.01	899.87	1.307	43	0.8	8565	11.3
		5-year								63	0.9	8565	11.3
		10-year								74	0.9	8565	11.3
		25-year								101	0.9	8565	11.3
		100-year								116	1.0	8565	11.3
LPOI 103	8193 1	2-vear	Circular	2.5	0	50.2	920 49	919.01	2 950	21	13.4	65	13.3
	0100.1	5-vear	onoului	2.0		00.2	020.10	010.01	2.000	30	15.2	65	13.3
		10-year								35	15.9	65	13.3
		25-year								42	16.9	65	13.3
		50-year								48	17.6	65	13.3
		100-year								55	18.3	65	13.3
LPOL103	8193.2	2-year	Trapezoidal	1	30	50.2	925.32	924.09	2.452	0	0.0	478	15.9
		5-year								0	0.0	478	15.9
		10-year								0	0.0	478	15.9
		25-year								0	0.0	478	15.9
		100-vear								0	0.0	478	15.9
LPOL104	8194.1	2-vear	Circular	2.5	0	38.8	921.92	920.49	3.684	21	10.5	73	14.9
		5-year								30	11.8	73	14.9
		10-year								35	12.3	73	14.9
		25-year								42	13.0	73	14.9
		50-year								48	13.4	73	14.9
		100-year								55	13.5	73	14.9
LPOL104	8194.2	2-year	Trapezoidal	1	30	38.8	926.00	925.32	1.752	0	0.0	404	13.5
		5-year								0	0.0	404	13.5
		10-year								0	0.0	404	13.5
		50-year								0	0.0	404	13.5
		100-vear								0	0.0	404	13.5
LPOL105	8195.1	2-year	Circular	2.5	0	324.8	927.30	921.92	1.657	21	9.8	49	10.0
		5-year								30	10.8	49	10.0
		10-year								35	11.1	49	10.0
		25-year								42	11.6	49	10.0
		50-year								48	11.8	49	10.0
		100-year								54	12.3	49	10.0
LPOL105	8195.2	2-year	Trapezoidal	1	30	324.8	931.05	926.00	1.555	0	0.0	380	12.7
		5-year								0	0.0	380	12.7
		10-year								0	0.0	380	12.7
		50-vear								0	0.0	300 380	12.7
		100-year								2	1.6	380	12.7
		,,	1										

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9106 1	2 year	Circulor	0.5	(1001)	22.2	029.29	027.20	2 250	(013)	(193)	(013)	(103)
LPOLIUG	0190.1	z-year	Circular	2.5	0	32.2	920.30	927.30	3.339	10	7.6	70	14.2
		10-vear								16	8.3	70	14.2
		25-year								20	8.3	70	14.2
		50-year								24	8.5	70	14.2
		100-year								30	8.5	70	14.2
LPOL106	8196.2	2-year	Trapezoidal	1	30	32.2	931.55	931.05	1.555	0	0.0	380	12.7
		5-year								0	0.0	380	12.7
		10-year								0	0.0	380	12.7
		25-year								0	0.0	380	12.7
		100-year								0	0.0	380	12.7
L POI 107	8197 1	2-vear	Circular	2	0	188.4	930 49	928.38	1 120	10	7.3	22	7.1
	0107.1	5-year	onoului			100.1	000.10	020.00	1.120	15	8.2	22	7.1
		10-year								16	8.4	22	7.1
		25-year								20	8.8	22	7.1
		50-year								23	9.0	22	7.1
		100-year								24	9.0	22	7.1
LPOL107	8197.2	2-year	Trapezoidal	1	30	188.4	932.28	931.55	0.387	0	0.0	190	6.3
		5-year								0	0.0	190	6.3
		10-year								0	0.0	190	6.3
		25-year								0	0.0	190	6.3
		100-year								10	2.0	190	6.3
LPOI 108	8397 1	2-vear	Circular	2	0	290.8	931 07	930 49	0 199	10	4.3	9	3.0
	0007.1	5-vear	onoului			200.0	001.07	000.10	0.100	15	5.2	9	3.0
		10-year								15	5.4	9	3.0
		25-year								16	5.5	9	3.0
		50-year								16	5.5	9	3.0
		100-year								16	5.5	9	3.0
LPOL108	8397.2	2-year	Trapezoidal	1	30	290.8	933.57	933.28	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								1	0.6	96	3.2
		20-year								4	1.0	90	3.2
		100-vear								12	1.6	96	3.2
LPOL109	8396.1	2-vear	Circular	2	0	63.0	931.69	931.07	0.985	10	4.4	21	6.6
		5-year								15	4.5	21	6.6
		10-year								17	5.4	21	6.6
		25-year								21	6.7	21	6.6
		50-year								23	7.3	21	6.6
		100-year								23	7.4	21	6.6
LPOL109	8396.2	2-year	Trapezoidal	1	30	63.0	934.52	933.57	1.509	0	0.0	375	12.5
		5-year								0	0.0	375	12.5
		25-vear								0	0.0	3/5	12.5
		50-year								1	0.0	375	12.5
		100-year								5	0.9	375	12.5
LPOL110	8402.1	2-year	Circular	2	0	26.5	932.35	931.69	2.491	10	7.0	31	9.9
		5-year								15	7.1	31	9.9
		10-year								17	7.1	31	9.9
		25-year								20	7.1	31	9.9
		50-year								21	7.1	31	9.9
		100-year								21	7.2	31	9.9
LPOL110	8402.2	2-year	I rapezoidal	1	30	26.5	934.55	934.52	0.100	0	0.0	96	3.2
		o-year								0	0.0	96	3.2
		25-year								2	0.0	90	3.2
		50-vear								8	1.6	96	3.2
		100-year								12	1.9	96	3.2

Link Name Conduit Name Period Shape (feet) (feet) (feet) (feet) (feet) (%) (cfs)	Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPOI 201 8019.1 2-vear Special 2.5 2.5 127.5 Q06.08 Q06.00 0.063	.01	5	17
5-vear	-0.1	5	1.7
10-year	-0.1	5	1.7
25-year (-0.1	5	1.7
50-year	-0.1	5	1.7
100-year	-0.1	5	1.7
LPOL201 8019.2 2-year Trapezoidal 1 30 127.5 909.50 909.37 0.100 (0.0	97	3.2
5-year (0.0	97	3.2
10-year	0.0	97	3.2
50-year		97	3.2
100-year	0.0	97	3.2
LPOL301 8517.1 2-vear Circular 1.25 0 139.3 913.80 911.46 1.680	8 8.1	8	6.3
5-year	7.9	8	6.3
10-year	3 7.9	8	6.3
25-year	7.9	8	6.3
50-year	3 7.9	8	6.3
100-year 8	3 7.9	8	6.3
LPOL301 8517.2 2-year Trapezoidal 2 30 139.3 917.05 917.00 0.036 55	3.1	176	2.9
5-year 83	3.6	176	2.9
10-year 90	3.9	176	2.9
50-year 123	4.2	170	2.9
100-year 15	4.7	176	2.9
LPOL302 8516.1 2-vear Circular 1.25 0 181.6 914.77 913.80 0.534	3.8	4	3.6
5-year	5 4.1	4	3.6
10-year	i 4.2	4	3.6
25-year	i 4.3	4	3.6
50-year	i 4.3	4	3.6
100-year	6 4.7	4	3.6
LPOL302 8516.2 2-year Trapezoidal 1 30 181.6 918.77 917.05 0.947	0.0	297	9.9
5-year (0.0	297	9.9
10-year		297	9.9
50-year		297	9.9
100-year	0.0	207	9.9
LPOL303 LPOL303 2-year Natural 4 0 1275.8 931.00 914.77 1.272 2	1.0	4715	10.5
5-year 33	1.0	4715	10.5
10-year 33	1.1	4715	10.5
25-year 4	1.1	4715	10.5
50-year 53	1.1	4715	10.5
100-year 60	1.2	4715	10.5
LPOL304 8515.1 2-year Circular 2 0 61.6 931.41 931.00 0.666 24	13.0	17	5.5
10 voor 28	15.2	17	5.5
25-vear 25	15.5	17	5.5 E F
50-vear 30	16.0	17	5.5
100-year 33	16.3	17	5.5
LPOL304 8515.2 2-year Trapezoidal 1 30 61.6 936.24 936.18 0.100	0.0	95	3.2
5-year	5 1.3	95	3.2
10-year 10	1.7	95	3.2
25-year 11	2.1	95	3.2
50-year 23	2.4	95	3.2
100-year 30	2.6	95	3.2
LPOL305 8214.1 2-year Circular 2 0 61.2 934.27 931.41 4.672 24	9.0	45	14.5
10-year 34	10.7	45	14.5
25-vear 40	12.5	45 45	14.5
50-vear	13.3	45	14.5
100-year 4/	13.3	45	14.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8214.2	2-vear	Trapazoidal	1	30	61.2	038.04	036.24	4 411	(0.0)	0.0	6/1	21.4
	0214.2	5-vear	Trapezoidai			01.2	330.34	330.24		0	0.0	641	21.4
		10-year								0	0.0	641	21.4
		25-year								5	1.0	641	21.4
		50-year								11	1.8	641	21.4
		100-year								19	2.5	641	21.4
LPOL306	8413.1	2-year	Circular	2	0	26.7	939.07	934.27	17.957	24	17.4	84	26.7
		5-year								34	17.6	84	26.7
		10-year								40	17.7	84	26.7
		25-year								48	17.7	84	26.7
		100-vear								56	17.9	84	26.7
LPOL306	8413.2	2-vear	Trapezoidal	1	30	26.7	941.07	938.94	7.969	0	0.0	813	27.1
		5-year				-				0	0.0	813	27.1
		10-year								0	0.0	813	27.1
		25-year								0	0.0	813	27.1
		50-year								0	0.0	813	27.1
		100-year								6	2.3	813	27.1
LPOL401	POL401A	2-year	Circular	3	0	210.7	927.31	921.14	2.929	13	10.3	106	15.0
		5-year								20	11.7	106	15.0
		10-year								24	12.4	106	15.0
		50-year								30	13.2	106	15.0
		100-vear								41	14.4	106	15.0
LPOL401	POL401B	2-vear	Trapezoidal	1	30	210.7	934.00	933.79	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LPOL402	LPOL402	2-year	Trapezoidal	2.69	100	10.0	927.31	927.31	0.000	32	0.5	2361	0.0
		5-year								46	0.6	2361	0.0
		10-year								55	0.6	2361	0.0
		50-vear								74	0.7	2361	0.0
		100-vear								85	0.8	2361	0.0
LPOL403	8215.1	2-year	Circular	2	0	52.2	930.70	927.31	6.498	33	18.7	54	17.0
		5-year								47	20.2	54	17.0
		10-year								55	22.3	54	17.0
		25-year								65	24.3	54	17.0
		50-year								69	24.6	54	17.0
		100-year								72	24.8	54	17.0
LPOL403	8215.2	2-year	I rapezoidal	1	30	52.2	935.12	934.53	1.131	0	0.0	324	10.8
		b-year								0	0.0	324	10.8
		25-vear								0	2.0	324	10.8
		50-year								11	2.0	324	10.8
		100-year								18	3.5	324	10.8
LPOL404	8642.1	2-year	Circular	2	0	41.6	932.17	930.70	3.537	33	14.4	40	12.6
		5-year								47	15.4	40	12.6
		10-year								54	17.2	40	12.6
		25-year								57	18.1	40	12.6
		50-year								58	18.5	40	12.6
		100-year								60	18.9	40	12.6
LPOL404	8642.2	2-year	I rapezoidal	1	30	41.6	936.42	935.12	3.128	0	0.0	539	18.0
		o-year								0	0.0	539	18.0
		25-year								28	5.1	539	18.0
		50-year								36	6.2	539	18.0
		100-year								48	7.0	539	18.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	96/2 4	2-voor	Circular	(^	20.0	022.45	022 47	2 204	(0.0)	12.0	(0:0)	10.4
	0043.1	∠-year 5-vear	Circuidi	2	0	29.8	900.10	332.17	3.291	33 47	13.8	38	12.1
		10-year								52	16.4	38	12.1
		25-year								53	16.8	38	12.1
		50-year								55	17.3	38	12.1
		100-year								55	17.4	38	12.1
LPOL405	8643.2	2-year	Trapezoidal	1	30	29.8	937.15	936.42	2.451	0	0.0	476	15.9
		5-year								0	0.0	476	15.9
		10-year								20	4.6	476	15.9
		25-year								33	5.6	476	15.9
		100-year								52	6.7	476	15.9
LPOL406	LPOL406	2-vear	Trapezoidal	2.69	100	10.0	927.31	927.31	0.000	13	0.2	2361	0.0
2. 02.00	2. 02.00	5-year	riapozoidai	2.00			02.101	021101	0.000	20	0.2	2361	0.0
		10-year								25	0.2	2361	0.0
		25-year								31	0.2	2361	0.0
		50-year								35	0.2	2361	0.0
		100-year								42	0.3	2361	0.0
LPOL501	LPOL501	2-year	Trapezoidal	4	10	56.4	925.70	925.20	0.887	45	3.5	497	8.9
		5-year								66	4.2	497	8.9
		10-year								78	4.5	497	8.9
		25-year								95	5.0	497	8.9
		100-year								108	5.3	497	8.9
L POL 502	8647 1	2-vear	Circular	2	0	98.7	926.08	925 70	0 385	30	12.3	437	4.1
	0047.1	5-vear	Oncular	2	0	50.7	520.00	525.70	0.000	34	12.5	13	4.1
		10-year								35	12.5	13	4.1
		25-year								36	12.5	13	4.1
		50-year								37	12.5	13	4.1
		100-year								37	12.5	13	4.1
LPOL502	8647.2	2-year	Trapezoidal	1	30	98.7	930.00	928.20	1.824	15	3.7	412	13.7
		5-year								32	5.1	412	13.7
		10-year								43	5.7	412	13.7
		25-year								59	6.4	412	13.7
		100-year								70	0.9	412	13.7
I POI 503	8648 1	2-vear	Circular	2	0	59.7	927 97	926.08	3 164	2	0.8	37	11.7
	0040.1	5-vear	Oncular	2	0	55.7	521.51	520.00	5.104	2	0.0	37	11.9
		10-year								2	0.6	37	11.9
		25-year								1	-0.6	37	11.9
		50-year								-1	-0.7	37	11.9
		100-year								-2	-0.8	37	11.9
LPOL503	8648.2	2-year	Trapezoidal	1	30	59.7	931.80	930.00	3.014	0	0.0	530	17.7
		5-year								0	0.0	530	17.7
		10-year								0	0.0	530	17.7
		25-year								0	0.0	530	17.7
		100-year								0	0.0	530	17.7
POI 601	8644 1	2-vear	Circular	1 25	0	83 5	930 75	930.22	0 635	0	0.0 _0 2	530	30
		5-year	Sirodiai	1.23	0	00.0	550.75	550.22	0.000	-1	-1.1	5	3.9
		10-year								1	0.9	5	3.9
		25-year								1	0.8	5	3.9
		50-year								1	0.9	5	3.9
		100-year								-1	-1.2	5	3.9
LPOL601	8644.2	2-year	Trapezoidal	1	30	83.5	935.08	933.22	2.228	0	0.0	455	15.2
		5-year								0	0.0	455	15.2
		10-year								0	0.0	455	15.2
		∠o-year								0	0.0	455	15.2
		100-year								0	0.0	455	15.2
	1	i oo year		I						0	0.0	400	13.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fɒs)
		2-vear	Natural	7	(- ,	0177	888 20	887 02	0 502	270	0 /	3603	74
		5-vear	i valul di	/	0	217.7	000.30	001.03	0.003	394	2.4	3692	7.1
		10-year								481	2.8	3692	7.1
		25-year								540	2.9	3692	7.1
		50-year								627	2.9	3692	7.1
		100-year								785	2.9	3692	7.1
LPOMC02	LPOMC02	2-year	Natural	10	0	2903.3	899.87	888.30	0.399	213	2.5	37344	8.7
		5-year								344	2.6	37344	8.7
		10-year								457	2.6	37344	8.7
		25-year								603	2.6	37344	8.7
		100-year								833	2.0	37344	8.7
		2-vear	Natural	10	0	463.2	902.40	800.87	0.546	226	2.J 5.8	23064	0.7
		5-year	Inatural	10	0	403.2	302.40	033.07	0.540	342	5.9	23064	9.2
		10-vear								434	5.8	23064	9.2
		25-year								560	5.8	23064	9.2
		50-year								636	5.8	23064	9.2
		100-year								745	5.8	23064	9.2
LPOMC04	POMC04A	2-year	Rectangular	3	10	56.1	902.90	902.40	0.891	73	2.3	331	11.0
		5-year								109	3.6	331	11.0
		10-year								142	4.7	331	11.0
		25-year								192	6.4	331	11.0
		50-year								222	7.4	331	11.0
		100-year								263	8.7	331	11.0
LPOMC04	POMC04B	2-year	Trapezoidal	2	30	56.1	908.00	907.94	0.100	0	0.0	304	5.1
		5-year								0	0.0	304	5.1
		25-year								0	0.0	304	5.1
		50-vear								0	0.0	304	5.1
		100-vear								0	0.0	304	5.1
LPOMC05	LPOMC05	2-vear	Natural	8	0	432.4	906.00	902.90	0.717	164	0.6	38594	11.9
		5-year								232	0.6	38594	11.9
		10-year								279	0.6	38594	11.9
		25-year								381	0.7	38594	11.9
		50-year								442	0.7	38594	11.9
		100-year								527	0.7	38594	11.9
LPOMC06	LPOMC06	2-year	Natural	5	0	493.0	908.31	906.00	0.469	167	3.0	4455	6.2
		5-year								234	3.3	4455	6.2
		10-year								281	3.5	4455	6.2
		25-year								395	3.8	4455	6.2
		100-year								560	3.9 4 1	4400	6.2 6.2
	POMC074	2-vear	Special	45	4 416	60.2	908 60	908 31	0 410	56	4.1 2.2	-++-55 6/	6.2
		5-year	opeoia	4.5	-+.+10	03.2	555.00	500.01	0.419	78	10.2	64	6.3
		10-year								94	11.2	64	6.3
		25-year								131	13.8	64	6.3
		50-year								154	15.9	64	6.3
		100-year								185	18.8	64	6.3
LPOMC07	POMC07B	2-year	Trapezoidal	1	30	69.2	914.00	913.93	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LPOMC08	LPOMC08	2-year	Natural	10	10	199.1	909.60	908.60	0.502	168	3.3	26408	10.1
		5-year								236	3.5	26408	10.1
		25-year								281	3.5	26408	10.1
		20-year								397	3.5	20408	10.1
		100-year								567	3.6	26408	10.1
	1									007	0.0	20100	

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPOMC09	POMC09A	2-vear	Special	4.5	4.5	86.2	910 47	910.02	0.522	56	7.9	72	7.0
2. 0000		5-year	opoolai				0.0.11	0.0102	0.022	79	8.8	72	7.0
		10-year								94	9.7	72	7.0
		25-year								133	13.1	72	7.0
		50-year								148	14.5	72	7.0
		100-year								163	15.9	72	7.0
LPOMC09	POMC09B	2-year	Trapezoidal	1	30	86.2	914.30	914.21	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		50-year								33	2.7	99	3.3
		100-year								110	4.4	99	3.3
LPOMC10	LPOMC10	2-year	Natural	6	25	123.1	911.46	910.47	0.804	169	3.7	4773	7.5
		5-year								237	3.7	4773	7.5
		10-year								282	3.7	4773	7.5
		25-year								400	3.8	4773	7.5
		50-year								477	3.8	4773	7.5
L DOMOSS	DOMONIA	100-year	Destauration			07.5	011.00	011 10	0.400	594	3.8	4773	7.5
LPOMC11	POMCTIA	2-year	Rectangular	3	8	87.5	911.60	911.46	0.160	35	2.6	108	4.5
		10-vear								73	4.6	108	4.5
		25-vear								105	5.0	108	4.5
		50-year								126	4.9	108	4.5
		100-year								156	6.5	108	4.5
LPOMC11	POMC11B	2-year	Trapezoidal	1	30	87.5	916.00	915.91	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		2 voor	Natural	0	15	107.2	012.00	011 60	0.214	56	0.0	5052	5.5
		5-year	Naturai	0	15	127.5	312.00	311.00	0.314	116	2.1	5952	6.1
		10-year								173	3.3	5952	6.1
		25-year								243	3.6	5952	6.1
		50-year								288	3.5	5952	6.1
		100-year								352	3.5	5952	6.1
LPOMC13	POMC13A	2-year	Circular	2	3.5	27.0	912.14	912.00	0.519	28	11.0	8	2.7
		5-year								38	12.9	8	2.7
		10-year								39	12.9	8	2.7
		25-year								39	12.9	8	2.7
		100-vear								39	12.9	8	2.7
LPOMC13	POMC13B	2-year	Trapezoidal	2	30	27.0	916.00	915.97	0.100	0	0.0	294	4.9
		5-year								41	3.2	294	4.9
		10-year								94	4.4	294	4.9
		25-year								168	5.5	294	4.9
		50-year								219	6.0	294	4.9
		100-year								285	6.6	294	4.9
LPOMC14	LPOMC14	2-year	Natural	10	0	832.5	921.14	912.14	1.081	146	1.0	46836	15.1
		5-year								212	1.1	46836	15.1
		25-year								200	1.1	46836	15.1
		50-year								347	1.2	46836	15.1
		100-year								401	1.2	46836	15.1
LPOMC15	LPOMC15	2-year	Natural	4	0	375.7	925.20	921.14	1.081	136	3.7	3790	9.6
		5-year								196	4.1	3790	9.6
		10-year								232	4.3	3790	9.6
		25-year								280	4.5	3790	9.6
		50-year								316	4.7	3790	9.6
		100-year								364	4.8	3790	9.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	()	()	190.3	026 50	025.20	0.683	(0.0)	2.4	2154	67
		5-vear	Natural		0	130.5	320.30	323.20	0.005	131	2.4	2154	6.7
		10-year								155	2.9	2154	6.7
		25-year								187	3.1	2154	6.7
		50-year								210	3.2	2154	6.7
		100-year								242	3.4	2154	6.7
LPOMC17	8645.1	2-year	Circular	3	0	82.3	930.22	926.50	4.518	92	21.9	132	18.6
		5-year								114	22.8	132	18.6
		25-vear								123	22.9	132	18.6
		50-year								125	23.2	132	18.6
		100-year								129	23.5	132	18.6
LPOMC17	8645.2	2-year	Trapezoidal	1	30	82.3	933.22	933.14	0.100	0	0.0	95	3.2
		5-year								17	2.0	95	3.2
		10-year								36	2.8	95	3.2
		25-year								64	3.5	95	3.2
		50-year								112	4.0	95	3.2
LPOMC18	8646 1	2-vear	Circular	3	0	128.4	930 58	930.22	0 283	92	13.8	33	3.2 4 7
	0010.1	5-year	Circular			120.1	000.00	000.22	0.200	99	14.6	33	4.7
		10-year								99	14.6	33	4.7
		25-year								99	14.6	33	4.7
		50-year								99	14.5	33	4.7
		100-year								99	14.6	33	4.7
LPOMC18	8646.2	2-year	Trapezoidal	1	30	128.4	935.94	933.22	2.118	0	0.0	444	14.8
		5-year								41	4.9	444	14.8
		10-year								100	5.0	444	14.8
		50-year								126	6.9	444	14.8
		100-year								158	7.5	444	14.8
LPOMC19	8414.1	2-year	Circular	3	0	55.6	931.42	930.58	1.501	-1	-0.2	76	10.7
		5-year								6	0.8	76	10.7
		10-year								15	2.1	76	10.7
		25-year								28	3.9	76	10.7
		50-year								14	2.0	76	10.7
	9414.2	100-year	Tranazaidal	1	20	55.6	026.00	025.04	0.100	5	0.7	100	10.7
El ONIC 19	0414.2	5-vear	Tapezoidai		50	55.0	330.00	333.34	0.100	0	-0.1	100	3.3
		10-year								0	0.4	100	3.3
		25-year								1	0.6	100	3.3
		50-year								1	0.3	100	3.3
		100-year								-1	0.3	100	3.3
LPRL101	LPRL101	2-year	Trapezoidal	10	4	107.3	878.04	875.00	2.833	7	0.5	7158	21.1
		5-year								18	0.7	7158	21.1
		25-vear								27	1.0	7158	21.1
		50-vear								31	1.0	7158	21.1
		100-year								38	0.9	7158	21.1
LPRL102	8013.1	2-year	Circular	3	0	8013.1	878.67	878.04	0.244	3	1.1	5	0.8
		5-year								5	1.4	5	0.8
		10-year								7	1.5	5	0.8
		25-year								8	1.6	5	0.8
		50-year								10	1.9	5	0.8
	8013.2	2-vear	Tranazoidal	4	20	8012 4	800.00	880 00	0.012	20	3.2	5	0.8
	0010.2	2-year 5-year	Tapezulual		30	0013.1	030.00	009.00	0.012	0	0.0		1.1
		10-year								0	0.0	34	1.1
		25-year								0	0.0	34	1.1
		50-year								0	0.0	34	1.1
		100-year								0	0.0	34	1.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	0040 4	2 veer	Circular			00.4	070 50	070 07	1.000	(0:0)	(143)	(613)	(641)
LFRLIUS	0249.1	∠-year 5-vear	Circular	2.5	0	ŏ2.4	019.50	010.01	1.008	11	6.1 6.4	38	7.8 7.8
		10-year								18	6.5	38	7.8
		25-year								22	6.6	38	7.8
		50-year								25	6.6	38	7.8
		100-year								29	6.9	38	7.8
LPRL103	8249.2	2-year	Trapezoidal	1	30	82.4	890.08	890.00	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		100-year								1	0.0	95	3.2
LPRL104	8248.1	2-vear	Circular	2.5	0	390.7	883.91	879.50	1.129	11	6.9	40	8.2
		5-year								16	7.6	40	8.2
		10-year								19	7.8	40	8.2
		25-year								23	7.9	40	8.2
		50-year								26	8.1	40	8.2
		100-year								30	8.3	40	8.2
LPRL104	8248.2	2-year	Trapezoidal	1	30	390.7	892.48	890.08	0.614	0	0.0	239	8.0
		5-year								0	0.0	239	8.0
		25-vear								0	0.0	239	8.U 8.0
		50-year								0	0.0	239	8.0
		100-year								0	0.0	239	8.0
LPRL105	8247.1	2-year	Circular	2.5	0	65.1	884.74	883.91	1.274	11	7.2	43	8.8
		5-year								16	8.0	43	8.8
		10-year								19	8.3	43	8.8
		25-year								23	8.7	43	8.8
		50-year								26	9.0	43	8.8
		100-year								30	9.2	43	8.8
LPRL105	8247.2	2-year	Trapezoidal	1	30	65.1	892.51	892.48	0.100	0	0.0	65	2.2
		5-year								0	0.0	65	2.2
		25-vear								0	0.0	65	2.2
		50-year								0	0.0	65	2.2
		100-year								0	0.0	65	2.2
LPRL106	8246.1	2-year	Circular	2	0	137.0	886.82	884.74	1.519	11	8.0	26	8.2
		5-year								16	8.8	26	8.2
		10-year								19	9.2	26	8.2
		25-year								23	9.7	26	8.2
		50-year								26	9.9	26	8.2
	8246.2	2-vear	Tranezoidal	1	2 0	137 0	802 65	802 51	0 100	3U A	0.0	20	0.2
	0240.2	5-year	Tapezulual		30	137.0	032.00	032.01	0.100	0	0.0	90 98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								1	0.6	98	3.3
LPRL107	8245.1	2-year	Circular	2	0	62.2	887.31	886.82	0.788	11	6.8	19	5.9
		5-year								16	7.6	19	5.9
		10-year								19	7.9	19	5.9
		∠o-year								23	۵.3 ۵ ج	19	5.9
		100-year								<u>∠0</u> 30	0.5 9 3	19	5.9
LPRL107	8245.2	2-year	Trapezoidal	1	30	62.2	892.71	892.65	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								11	1.7	95	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Trapezoidal	()	()	123.5	877 77	875.00	2 242	178	(12050	20.5
LINEZUI		5-year	Паредониа			120.0	0/1.//	075.00	2.242	267	4.0	12950	20.5
		10-year								321	4.8	12950	20.5
		25-year								392	5.0	12950	20.5
		50-year								444	5.0	12950	20.5
		100-year								514	5.2	12950	20.5
LPRL202	PRL202A	2-year	Rectangular	6	6	158.6	879.90	877.77	1.343	178	15.2	580	16.1
		5-year								267	17.8	580	16.1
		10-year								321	19.1	580	16.1
		25-year								392	20.6	580	16.1
		100-year								514	23.0	580	16.1
LPRL202	PRL202B	2-vear	Trapezoidal	1	30	158.6	888.00	887.84	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LPRL203	LPRL203	2-year	Natural	8	7	377.2	881.77	879.90	0.497	138	3.8	7278	5.9
		5-year								209	3.8	7278	5.9
		10-year								252	3.8	7278	5.9
		25-year								308	3.8	7278	5.9
		100-year								408	3.8	7278	5.9
LPRL204	PRL204A	2-vear	Special	7	7	154.8	888.86	881.77	4.578	138	14.6	689	27.8
2		5-year	opoola				000100			209	16.6	689	27.8
		10-year								252	18.1	689	27.8
		25-year								309	20.1	689	27.8
		50-year								351	21.2	689	27.8
		100-year								409	22.8	689	27.8
LPRL204	PRL204B	2-year	Trapezoidal	1	30	154.8	893.00	892.85	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		50-vear								0	0.0	95	3.2
		100-vear								0	0.0	95	3.2
LPRL205	LPRL205	2-year	Natural	4	2	120.2	889.04	888.86	0.150	122	1.5	1370	3.2
		5-year				-				184	1.7	1370	3.2
		10-year								222	1.7	1370	3.2
		25-year								272	1.8	1370	3.2
		50-year								309	1.9	1370	3.2
		100-year								360	1.9	1370	3.2
LPRL206	PRL206A	2-year	User Defined	3.25	6.5	30.4	889.96	889.04	3.027	122	5.1	0	10.2
		5-year								184	6.2	0	10.2
		25-vear								222	0.8	0	10.2
		50-year								309	7.0	0	10.2
		100-year								359	8.5	0	10.2
LPRL206	PRL206B	2-year	Trapezoidal	2	30	30.4	893.21	892.29	3.027	0	0.0	1618	27.0
		5-year								0	0.0	1618	27.0
		10-year								0	0.0	1618	27.0
		25-year								0	0.0	1618	27.0
		50-year								0	0.0	1618	27.0
		100-year								0	0.0	1618	27.0
LPRL207	LPRL207	2-year	Trapezoidal	4	12	339.4	891.00	889.96	0.306	123	2.4	1137	3.9
		o-year								185	2.6	1137	3.9
		25-vear								223	2.7	113/	3.9 २.०
		50-vear								311	2.0	1137	3.9
		100-year								361	2.9	1137	3.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9401 1	2 voor	Postongular	((162.0	902 42	801.00	1 477	122	(206	(
	0401.1	5-year	Rectangular			105.5	033.42	031.00	1.477	125	17.5	200	12.9
		10-year								223	18.5	206	12.9
		25-year								256	20.0	206	12.9
		50-year								263	20.2	206	12.9
		100-year								271	20.4	206	12.9
LPRL208	8401.2	2-year	Trapezoidal	1	30	163.9	898.93	896.00	1.788	0	0.0	408	13.6
		5-year								0	0.0	408	13.6
		10-year								0	0.0	408	13.6
		25-year								17	3.9	408	13.6
		100-year								91	7.6	408	13.6
LPRL209	8400.1	2-vear	Circular	2	0	55.4	893.97	893.42	0.993	59	19.4	21	6.7
		5-year								59	19.3	21	6.7
		10-year								58	19.3	21	6.7
		25-year								58	19.3	21	6.7
		50-year								58	19.2	21	6.7
		100-year								58	19.3	21	6.7
LPRL209	8400.2	2-year	Trapezoidal	2	30	55.4	898.89	898.83	0.100	54	3.4	306	5.1
		5-year								114	4.6	306	5.1
		10-year								211	5.2	306	5.1
		50-vear								211	5.0	306	5.1
		100-year								243	6.5	306	5.1
LPRL210	8452.1	2-vear	Circular	2	0	194.4	895.57	893.97	0.823	32	10.0	19	6.1
		5-year								32	10.1	19	6.1
		10-year								32	10.1	19	6.1
		25-year								32	10.1	19	6.1
		50-year								32	10.1	19	6.1
		100-year								31	9.9	19	6.1
LPRL210	8452.2	2-year	Trapezoidal	2	30	194.4	900.78	898.89	0.972	89	5.7	917	15.3
		5-year								144	6.5	917	15.3
		10-year								178	0.8 7.2	917	15.3
		50-year								222	7.2	917	15.3
		100-vear								300	8.1	917	15.3
LPRL211	8453.1	2-year	Circular	2	0	35.7	895.58	895.57	0.028	30	9.6	4	1.1
		5-year								30	9.6	4	1.1
		10-year								30	9.6	4	1.1
		25-year								30	9.6	4	1.1
		50-year								30	9.6	4	1.1
	a	100-year	-				0.000	0.000		30	9.5	4	1.1
LPRL211	8453.2	2-year	I rapezoidal	2	30	35.7	900.83	900.78	0.140	90	4.3	348	5.8
		o-year								142	5.1	348	5.8
		25-vear								217	6.C	348 348	ວ.ຽ 5 ຄ
		50-year								249	6.3	348	5.8
		100-year								292	6.7	348	5.8
LPRL212	8451.1	2-year	Circular	2	0	162.7	897.68	895.58	1.291	28	8.7	24	7.6
		5-year								28	8.9	24	7.6
		10-year								27	8.6	24	7.6
		25-year								27	8.6	24	7.6
		50-year								27	8.4	24	7.6
	0.45 - 5	100-year	-	_			005.5	000 5		27	8.4	24	7.6
LPRL212	8451.2	2-year	I rapezoidal	2	30	162.7	902.26	900.83	0.879	91	5.1	872	14.5
		10-vear								146	6.7	872 872	14.5
		25-year								224	7.3	872	14.5
		50-year								257	7.7	872	14.5
		100-year								301	8.1	872	14.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
1 PPI 213	8300 1	2-vear	Circular	2	0	40.9	808.20	807.68	1 273	25	82	24	75
	0000.1	5-vear	Oncular	2	0	40.0	030.20	007.00	1.275	25	8.2	24	7.5
		10-year								25	8.2	24	7.5
		25-year								25	8.2	24	7.5
		50-year								25	8.2	24	7.5
		100-year								25	8.2	24	7.5
LPRL213	8399.2	2-year	Trapezoidal	2	30	40.9	902.62	902.26	0.881	53	4.2	873	14.5
		5-year								90	5.2	873	14.5
		10-year								113	5.7	873	14.5
		50-vear								144	6.5	873	14.5
		100-year								107	6.9	873	14.5
LPRL214	8244.1	2-year	Circular	2	0	468.8	906.73	898.20	1.820	29	9.7	28	9.0
		5-year								29	9.8	28	9.0
		10-year								29	9.8	28	9.0
		25-year								29	9.9	28	9.0
		50-year								29	9.8	28	9.0
		100-year								28	9.6	28	9.0
LPRL214	8244.2	2-year	Irapezoidal	1	30	468.8	910.73	902.62	1.730	49	5.2	401	13.4
		5-year								110	0.5	401	13.4
		25-year								140	7.0	401	13.4
		50-year								163	8.1	401	13.4
		100-year								193	8.6	401	13.4
LPRL215	8243.1	2-year	Circular	2	0	73.5	907.39	906.73	0.898	33	10.4	20	6.3
		5-year								34	10.7	20	6.3
		10-year								34	10.8	20	6.3
		25-year								35	11.0	20	6.3
		50-year								35	11.0	20	6.3
	9242.2	100-year	Tranazaidal	1	20	72.5	011 56	010 72	1 1 2 0	30	9.5	20	10.0
LPRL215	0243.2	z-year 5-year	Паредоциа	1	30	73.5	911.50	910.73	1.129	03 01	5.3	324	10.0
		10-vear								114	7.2	324	10.8
		25-year								144	7.9	324	10.8
		50-year								167	8.4	324	10.8
		100-year								197	8.9	324	10.8
LPRL216	8241.1	2-year	Circular	2	0	132.2	907.69	907.39	0.227	11	4.2	10	3.2
		5-year								11	4.1	10	3.2
		10-year								11	4.1	10	3.2
		25-year								11	4.1	10	3.2
		100-year								11	4.1 4.1	10	3.2
LPRL216	8241.2	2-vear	Trapezoidal	2	30	132.2	911.69	911.56	0.100	40	2.8	292	4.9
		5-year					2		500	64	3.4	292	4.9
		10-year								78	3.7	292	4.9
		25-year								98	4.1	292	4.9
		50-year								112	4.3	292	4.9
		100-year								132	4.6	292	4.9
LPRL217	8240.1	2-year	Circular	2	0	189.8	909.24	907.69	0.817	27	8.5	19	6.0
		5-year								27	8.5	19	6.0
		25-vear								27	8.6 0 F	19	6.0
		50-vear								27	8.5	19	6.0
		100-year								27	8.5	19	6.0
LPRL217	8240.2	2-year	Trapezoidal	2	30	189.8	914.99	911.69	1.739	23	2.3	1226	20.4
		5-year								48	3.4	1226	20.4
		10-year								62	3.9	1226	20.4
		25-year								82	4.5	1226	20.4
		50-year								97	4.9	1226	20.4
		100-year								117	5.3	1226	20.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8220 1	2-vear	Circular			30 6	010 70	900.24	3 033	,,	10.0	(0.0)	10.4
	0209.1	∠-year 5-vear	Girculai	2	0	30.0	310.72	303.24	3.033	30	12.3	41 Δ1	13.1
		10-year								39	12.4	41	13.1
		25-year								39	12.4	41	13.1
		50-year								39	12.4	41	13.1
		100-year								39	12.4	41	13.1
LPRL218	8239.2	2-year	Trapezoidal	1	30	38.6	916.39	914.99	3.626	10	2.7	581	19.4
		5-year								35	5.2	581	19.4
		10-year								49	6.2	581	19.4
		25-year								69	7.2	581	19.4
		100-year								103	8.5	581	19.4
LPRL2A01	8242.1	2-vear	Circular	1.25	0	83.0	909.14	907.39	2,109	9	7.7	9	7.1
		5-year								9	7.7	9	7.1
		10-year								9	7.7	9	7.1
		25-year								9	7.7	9	7.1
		50-year								9	7.7	9	7.1
		100-year								9	7.7	9	7.1
LPRL2A01	8242.2	2-year	Trapezoidal	1	30	83.0	911.97	911.56	0.494	9	1.3	214	7.1
		5-year								17	1.8	214	7.1
		10-year								22	2.0	214	7.1
		25-year								29	2.2	214	7.1
		100-year								41	2.4	214	7.1
LPRL301	8490.1	2-vear	Circular	3	0	310.8	901.92	899.57	0.756	65	9.9	54	7.6
2	0.00011	5-year	onoului			0.010	001102	000101	0.100	67	9.9	54	7.6
		10-year								68	10.0	54	7.6
		25-year								68	10.1	54	7.6
		50-year								68	10.1	54	7.6
		100-year								69	10.2	54	7.6
LPRL301	8490.2	2-year	Trapezoidal	2	30	310.8	905.00	904.69	0.100	10	1.5	294	4.9
		5-year								47	2.8	294	4.9
		10-year								101	3.3	294	4.9
		50-year								124	4.2	294	4.9
		100-year								153	4.6	294	4.9
LPRL302	PRL302A	2-year	Circular	2.5	0	49.1	902.29	901.92	0.753	54	10.7	33	6.7
		5-year								50	10.0	33	6.7
		10-year								50	10.0	33	6.7
		25-year								50	10.0	33	6.7
		50-year								51	10.1	33	6.7
		100-year								51	10.2	33	6.7
LPRL302	PRL302B	2-year	I rapezoidal	2	30	49.1	905.29	905.00	0.590	43	4.0	715	11.9
		b-year								85	4.8	/15	11.9
		25-vear								1/10	5.0	715	11.9
		50-year								163	5.4	715	11.9
		100-year								193	5.6	715	11.9
LPRL303	8237.1	2-year	Circular	3	0	330.3	904.79	902.29	0.757	54	7.4	54	7.6
		5-year								73	10.1	54	7.6
		10-year								73	10.1	54	7.6
		25-year								73	10.1	54	7.6
		50-year								73	10.1	54	7.6
	0007-0	100-year	-			0.55	045.15	007.5	4	72	10.0	54	7.6
LPRL303	8237.2	2-year	I rapezoidal	2	30	330.3	910.12	905.29	1.765	0	0.0	1125	18.7
		o-year									0.7	1125	18.7
		25-year								44	2.8	1125	18.7
		50-year								59	3.3	1125	18.7
		100-year								79	3.8	1125	18.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8236.1	2-vear	Circular	25	0	44.3	004.94	004 70	0 330	54	11.0	22	4.5
LITTESOT	0200.1	5-vear	Oncular	2.0	0		304.34	304.73	0.000	63	11.0	22	4.5
		10-year								63	12.8	22	4.5
		25-year								64	12.9	22	4.5
		50-year								63	12.8	22	4.5
		100-year								63	12.7	22	4.5
LPRL304	8236.2	2-year	Trapezoidal	1	30	44.3	910.16	910.12	0.100	0	0.0	92	3.1
		5-year								41	3.1	92	3.1
		10-year								56	3.5	92	3.1
		25-year								75	3.9	92	3.1
		100-year								109	4.5	92	3.1
LPRL305	8012.1	2-vear	Rectangular	2.5	4	150.4	907.35	904.94	1.602	54	6.7	113	11.3
		5-year								79	7.9	113	11.3
		10-year								84	8.3	113	11.3
		25-year								85	8.5	113	11.3
		50-year								86	8.6	113	11.3
		100-year								88	8.8	113	11.3
LPRL305	8012.2	2-year	Trapezoidal	1	30	150.4	911.93	910.16	1.177	0	0.0	331	11.0
		5-year								0	0.0	331	11.0
		10-year								10	1.1	331	11.0
		50-vear								30 45	2.3	331	11.0
		100-year									3.0	331	11.0
LPRL306	8235.1	2-vear	Circular	2.5	0	37.6	908.21	907.35	2.285	5	5.8	58	11.7
		5-year								7	6.1	58	11.7
		10-year								9	6.3	58	11.7
		25-year								10	6.5	58	11.7
		50-year								12	6.6	58	11.7
		100-year								14	6.7	58	11.7
LPRL306	8235.2	2-year	Trapezoidal	1	30	37.6	912.29	911.93	0.956	0	0.0	298	9.9
		5-year								0	0.0	298	9.9
		10-year								0	0.0	298	9.9
		50-vear								0	0.0	290	9.9 0 0
		100-vear								0	-0.1	298	9.9
LPRL307	8479.1	2-vear	Circular	2	0	178.8	913.61	908.21	3.019	5	8.2	37	11.6
		5-year								7	9.1	37	11.6
		10-year								9	9.5	37	11.6
		25-year								10	10.0	37	11.6
		50-year								12	10.4	37	11.6
		100-year								13	10.7	37	11.6
LPRL307	8479.2	2-year	Trapezoidal	1	30	178.8	917.11	912.29	2.695	0	0.0	501	16.7
		5-year								0	0.0	501	16.7
		25-vear								0	0.0	501	16.7
		50-vear								0	0.0	501	16.7
		100-year								0	0.0	501	16.7
LPRL401	8234.1	2-year	Circular	2.5	0	106.2	923.25	921.60	1.554	5	2.7	47	9.7
		5-year								7	2.7	47	9.7
		10-year								9	3.1	47	9.7
		25-year								11	3.6	47	9.7
		50-year								12	3.9	47	9.7
		100-year								14	4.4	47	9.7
LPRL401	8234.2	2-year	Trapezoidal	1	30	106.2	926.67	925.35	1.243	0	0.0	340	11.3
		o-year								0	0.0	340	11.3
		25-year								0	0.0	340	11.3
		50-year								0	0.0	340	11.3
		100-year								0	0.0	340	11.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPRMC01	LPRMC01	2-vear	Trapezoidal	12	8	275.3	869 97	861 41	3 110	330	10.5	9702	25.3
	Li runoo i	5-vear	Tapozoidai	12		210.0	000.07	001.11	0.110	508	11.8	9702	25.3
		10-year								609	12.4	9702	25.3
		25-year								729	13.0	9702	25.3
		50-year								798	13.3	9702	25.3
		100-year								905	13.8	9702	25.3
LPRMC02	PRMC02A	2-year	Rectangular	7	7	81.4	871.81	869.97	2.260	330	19.7	1136	23.2
		5-year								508	23.1	1136	23.2
		10-year								609	24.8	1136	23.2
		25-year								729	26.6	1136	23.2
		50-year								798	27.7	1136	23.2
	DBMC02B	100-year	Tranazaidal	1	20	01.4	002.04	002.96	0.100	905	29.1	1130	23.2
LPRIVICUZ	PRIVICU2B	z-year	Паредоциа	1		01.4	903.94	903.60	0.100	0	0.0	90	3.2
		10-vear								0	0.0	90	3.2
		25-year								0	0.0	96	3.2
		50-vear								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LPRMC03	PRMC03A	2-year	Rectangular	7	7	60.2	873.16	871.81	2.243	330	20.0	1131	23.1
		5-year								508	22.6	1131	23.1
		10-year								609	23.8	1131	23.1
		25-year								729	25.1	1131	23.1
		50-year								798	25.8	1131	23.1
		100-year								905	26.8	1131	23.1
LPRMC03	PRMC03B	2-year	Trapezoidal	1	30	60.2	904.00	903.94	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
	PPMC04A	2-vear	Rectangular	7	7	77 5	87/ 01	873 16	2 250	330	20.0	1135	23.2
	TRINCO4A	5-year	Rectarigutar			11.5	074.31	075.10	2.233	508	20.0	1135	23.2
		10-vear								609	23.6	1135	23.2
		25-year								729	24.8	1135	23.2
		50-year								798	25.4	1135	23.2
		100-year								905	26.2	1135	23.2
LPRMC04	PRMC04B	2-year	Trapezoidal	1	30	77.5	904.08	904.00	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year	-				077 0	07.5		0	0.0	98	3.3
LPRMC05	LPRMC05	2-year	I rapezoidal	10	5	18.6	875.00	874.91	0.483	330	7.7	3119	6.9
		o-year								508	1.7	3119	6.9
		25-vear								720	1.1	3119	6.9
		50-year								798	77	3119	6.9
		100-vear								904	7.7	3119	6.9
LPRMC06	LPRMC06	2-year	Trapezoidal	12	15	32.0	876.00	875.00	3.126	149	3.6	18208	26.6
		5-year				32.0				231	3.7	18208	26.6
		10-year								280	3.9	18208	26.6
		25-year								304	4.3	18208	26.6
		50-year								318	4.4	18208	26.6
		100-year								354	4.5	18208	26.6
LPRMC07	PRMC07A	2-year	Circular	5	0	64.6	878.81	876.00	4.353	148	23.8	505	25.7
		5-year								230	25.8	505	25.7
		10-year								279	26.7	505	25.7
		25-year								304	28.0	505	25.7
		50-year								318	28.4	505	25.7
		100-year								353	29.5	505	25.7

LPRMC07 Pyma Trapezoda Col Col <	Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
Dimone Symp Dimone Di Dimone	LPRMC07	PRMC07B	2-vear	Trapezoidal	1	30	64.6	888.00	887 94	0 100	0	0.0	93	31
Interpret Interpret <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>93</td><td>3.1</td></t<>			5-year								0	0.0	93	3.1
image image <th< td=""><td></td><td></td><td>10-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>93</td><td>3.1</td></th<>			10-year								0	0.0	93	3.1
Solver Solver<			25-year								0	0.0	93	3.1
LPRMC08 LPRMC11 LPRMC11 <t< td=""><td></td><td></td><td>50-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>93</td><td>3.1</td></t<>			50-year								0	0.0	93	3.1
DPRMC00 LPMOL00 2-year Impactuals n 12 14-35 80-14 1.2.2 14.2 35 9982 14.7 10-year 10-year<		LDDMC00	100-year	Troponoidal		10	1 40 0	004 40	070.04	4 700	0	0.0	93	3.1
Interpretation Interpr	LPRIVICUO	LPRIVICUO	2-year	Паредоіцаі	0	12	149.9	001.40	0/0.01	1.720	211	3.0	9092	14.7
Image: style Image: style <tt>Image: style Image: style<</tt>			10-vear								253	3.9	9892	14.7
interpretation interpr			25-year								272	3.9	9892	14.7
IPMC09 PPMC094 Pertogram Per			50-year								292	3.9	9892	14.7
IPRMC09 PRMC08 2+ear Rectanyular 4 6 43.6 88.3.3 81.40 0.528 1.2 11.7 2.16 9.0 I 10-year I			100-year								340	4.0	9892	14.7
Syear Syear <th< td=""><td>LPRMC09</td><td>PRMC09A</td><td>2-year</td><td>Rectangular</td><td>4</td><td>6</td><td>343.6</td><td>883.33</td><td>881.40</td><td>0.562</td><td>142</td><td>11.7</td><td>216</td><td>9.0</td></th<>	LPRMC09	PRMC09A	2-year	Rectangular	4	6	343.6	883.33	881.40	0.562	142	11.7	216	9.0
Int-year Image Image <thimage< th=""> Image Image <</thimage<>			5-year								211	13.7	216	9.0
Laryes Laryes <thlaryes< th=""> <thlaryes< th=""> <thlaryes< td="" th<=""><td></td><td></td><td>10-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>253</td><td>14.1</td><td>216</td><td>9.0</td></thlaryes<></thlaryes<></thlaryes<>			10-year								253	14.1	216	9.0
Intervent Intervent <t< td=""><td></td><td></td><td>50-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>212</td><td>16.3</td><td>216</td><td>9.0</td></t<>			50-vear								212	16.3	216	9.0
LPRMC09 PRMC096 2-year Trapezoidal 1 30 343.6 890.00 889.67 0.100 0 0.00 85 3.2 10-year 25-year 0 0.00			100-year								311	17.0	216	9.0
image image <th< td=""><td>LPRMC09</td><td>PRMC09B</td><td>2-year</td><td>Trapezoidal</td><td>1</td><td>30</td><td>343.6</td><td>890.00</td><td>889.67</td><td>0.100</td><td>0</td><td>0.0</td><td>95</td><td>3.2</td></th<>	LPRMC09	PRMC09B	2-year	Trapezoidal	1	30	343.6	890.00	889.67	0.100	0	0.0	95	3.2
Image Image <th< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>95</td><td>3.2</td></th<>			5-year								0	0.0	95	3.2
Image: second			10-year								0	0.0	95	3.2
B0-year B0-year <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>95</td><td>3.2</td></t<>			25-year								0	0.0	95	3.2
LPRMC10 Zyear Special 4.5 6 17.6.2 885.33 0.971 68 5.7 166 7.5 IPRMC10 Syear Ioyear Io Io <td></td> <td></td> <td>50-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0.0</td> <td>95</td> <td>3.2</td>			50-year								0	0.0	95	3.2
LINNC10 LYMC 100 Lymean 4.0 0 17.2 00.00 0.0.01 0.0.01 101 6.3 160 7.5 Image: 100-year 25-year 25-year 1 <td></td> <td></td> <td>100-year</td> <td>Special</td> <td>15</td> <td>6</td> <td>176.2</td> <td>885.04</td> <td>883 33</td> <td>0.971</td> <td>29</td> <td>2.3</td> <td>95</td> <td>3.2</td>			100-year	Special	15	6	176.2	885.04	883 33	0.971	29	2.3	95	3.2
Interpret Interpret <t< td=""><td></td><td>FRINCIUA</td><td>5-year</td><td>Special</td><td>4.5</td><td>0</td><td>170.2</td><td>005.04</td><td>003.33</td><td>0.971</td><td>101</td><td>6.3</td><td>166</td><td>7.5</td></t<>		FRINCIUA	5-year	Special	4.5	0	170.2	005.04	003.33	0.971	101	6.3	166	7.5
1 25-year 1 </td <td></td> <td></td> <td>10-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>121</td> <td>6.4</td> <td>166</td> <td>7.5</td>			10-year								121	6.4	166	7.5
50-year 100-year			25-year								132	6.4	166	7.5
IDPMC10 PRMC108 2-year Trapezoidal 2 30 176.2 890.18 890.00 0.100 0.00 2.97 5.0 LPRMC10 5-year - - - - 0 0.00 2.97 5.0 10-year - 10-year - - 0 0.0 2.97 5.0 25-year - 10-year - - 0 0.0 0.0 2.97 5.0 100-year - 100-year - - 0 0.44 2.97 5.0 LPRMC11 LPRMC11 2.year Natural 8 10 214.5 886.56 0.709 138 4.2 12819 6.9 LPRMC11 LPRMC11 1.year - - - 2.03 4.2 12819 6.9 10-year - 10-year - - 2.03 4.2 12819 6.9 LPRMC12 PRMC12A 2.year			50-year								133	6.3	166	7.5
LPRMC10 PRMC10B 2-year Trapezoidal 2 30 176.2 890.00 0.100 0 0.00 297 5.00 I 10-year I			100-year								133	6.3	166	7.5
Image: Second	LPRMC10	PRMC10B	2-year	Trapezoidal	2	30	176.2	890.18	890.00	0.100	0	0.0	297	5.0
Interval			5-year								0	0.0	297	5.0
Image: Solution of the			25-vear								0	0.0	297	5.0
Interval			50-year								48	3.0	297	5.0
LPRMC11 LPRMC11 2-year Natural 8 10 214.5 886.56 885.04 0.709 138 4.2 12819 6.9 - 10-year - - - - 203 4.2 12819 6.9 - 25-year - - - 242 4.2 12819 6.9 50-year - - - 299 4.2 12819 6.9 100-year - - - 299 4.2 12819 6.9 100-year - - - - 337 4.2 12819 6.9 LPRMC12 PRMC12A 2-year Special 2.5 3 77.1 887.00 886.56 0.570 55 7.9 28 3.9 10-ryear - - - - 55 8.0 28 3.9 25-year - - - 55 8.0 28 3.9 10-year - - - 55 8.0 28			100-year								121	4.4	297	5.0
S-year S-year I <td< td=""><td>LPRMC11</td><td>LPRMC11</td><td>2-year</td><td>Natural</td><td>8</td><td>10</td><td>214.5</td><td>886.56</td><td>885.04</td><td>0.709</td><td>138</td><td>4.2</td><td>12819</td><td>6.9</td></td<>	LPRMC11	LPRMC11	2-year	Natural	8	10	214.5	886.56	885.04	0.709	138	4.2	12819	6.9
10-year			5-year								203	4.2	12819	6.9
25-year 25-year 1 <			10-year								242	4.2	12819	6.9
Image: Solvear Image			25-year								276	4.2	12819	6.9
LPRMC12 PRMC12A 2-year Special 2.5 3 77.1 887.00 886.56 0.570 55 7.9 2.8 3.9 LPRMC12 PRMC12A 2-year Special 2.5 3 77.1 887.00 886.56 0.570 55 7.9 2.8 3.9 10-year 10-year 10-year 10			50-year								299	4.2	12819	6.9
LPRMC12 FMB FLX 2 year 10 year	LPRMC12	PRMC12A	2-vear	Special	25	3	77 1	887.00	886 56	0 570	55	7.9	28	3.9
10-year 100-year	2. 100012		5-year	Special	2.0	5		331.00	000.00	0.070	55	8.0	28	3.9
25-year 25-year 25-year 28 3.9 100-year 100-year 20 20 55 8.0 28 3.9 LPRMC12 PRMC12B 2-year Trapezoidal 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 LPRMC12 PRMC12B 2-year Trapezoidal 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 5-year 10-year 1 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 10-year 10-year 1 133 4.8 300 5.0 25-year 1 1 133 4.8 300 5.0 10-year 1 1 148 300 5.0 300 5.0 100-year 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10-year								55	8.0	28	3.9
index index <th< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>55</td><td>8.0</td><td>28</td><td>3.9</td></th<>			25-year								55	8.0	28	3.9
IOD-year IOD-year Trapezoidal 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 LPRMC12 PRMC12B 2-year Trapezoidal 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 IDPRMC12 5-year ID ID ID ID 97 4.2 300 5.0 IDD-year ID			50-year								55	8.0	28	3.9
LPRMC12 PRMC12B 2-year Trapezoidal 2 30 77.1 890.00 889.92 0.100 29 2.6 300 5.0 5-year 5-year 10-year 100-year 112.8 887.24 887.00 0.181 140 0.5 3252 3.44 LPRMC13 LPRMC13 2-year Natural 5 2 132.8 887.24 887.00 0.181 140 0.5 3252 3.44 LPRMC13 LPRMC13 2-year Natural 5 2 132.8 887.24 887.00 0.181 140 0.5 <td></td> <td></td> <td>100-year</td> <td></td> <td></td> <td></td> <td></td> <td># / ·</td> <td></td> <td></td> <td>56</td> <td>8.0</td> <td>28</td> <td>3.9</td>			100-year					# / ·			56	8.0	28	3.9
b-year	LPRMC12	PRMC12B	2-year	Frapezoidal	2	30	77.1	890.00	889.92	0.100	29	2.6	300	5.0
10 year			o-year								122	4.2	300	5.0
100 year 100 year <td< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>196</td><td>4.0 5.6</td><td>300</td><td>5.0</td></td<>			25-year								196	4.0 5.6	300	5.0
ID0-year Natural 5 2 132.8 887.24 887.00 0.181 140 0.5 3252 3.4 LPRMC13 LPRMC13 2-year Natural 5 2 132.8 887.24 887.00 0.181 140 0.5 3252 3.4 100-year <			50-year								239	6.0	300	5.0
LPRMC13 LPRMC13 2-year Natural 5 2 132.8 887.24 887.00 0.181 140 0.5 3252 3.4 5-year 5-year 6 6 6 203 0.5 3252 3.4 10-year 6 6 245 0.5 3252 3.4 25-year 6 6 6 245 0.5 3252 3.4 50-year 6 6 6 290 0.5 3252 3.4 100-year 6 6 887.24 887.04 887.04 320 0.5 3252 3.4			100-year								294	6.5	300	5.0
5-year 203 0.5 3252 3.4 10-year 25-year 25-year 25 3.4 50-year 25-year 200 0.5 3252 3.4 10-year 25-year 200 0.5 3252 3.4 100-year 200 200 0.5 3252 3.4	LPRMC13	LPRMC13	2-year	Natural	5	2	132.8	887.24	887.00	0.181	140	0.5	3252	3.4
10-year 245 0.5 3252 3.4 25-year 25-year 290 0.5 3252 3.4 50-year 320 0.5 3252 3.4 100-year 320 0.5 3252 3.4			5-year								203	0.5	3252	3.4
25-year 290 0.5 3252 3.4 50-year 320 0.5 3252 3.4 100-year 320 0.5 3252 3.4			10-year								245	0.5	3252	3.4
DU-year 320 0.5 3252 3.4 100-year 357 0.5 3252 3.4			25-year								290	0.5	3252	3.4
			100-year								320	0.5	3252	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	PRMC14A	2-vear	Circular	(207.0	887 27	887.04	0.062	1/7		(0.0)	()
	T NIVIC 14A	5-vear	Girculai	0	0	207.0	001.37	001.24	0.003	200	9.9		3.5
		10-year								246	11.5	99	3.5
		25-year								295	12.7	99	3.5
		50-year								325	13.4	99	3.5
		100-year								348	14.0	99	3.5
LPRMC14	PRMC14B	2-year	Trapezoidal	1	30	207.0	893.00	892.79	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								15	1.8	90	3.2
LPRMC15	LPRMC15	2-vear	Natural	6.5	5	195.0	889.60	887.37	1 144	147	3.7	1891	6.2
	Li Huio io	5-year	Hatara	0.0		100.0	000.00	001.01		209	3.9	1891	6.2
		10-year								247	3.9	1891	6.2
		25-year								296	4.0	1891	6.2
		50-year								328	4.0	1891	6.2
		100-year								368	4.0	1891	6.2
LPRMC16	PRMC16A	2-year	Circular	6	0	1137.4	899.57	889.60	0.877	135	12.2	368	13.0
		5-year								193	13.4	368	13.0
		10-year								223	13.9	368	13.0
		25-year								266	14.5	368	13.0
		100-year								294	14.8	308	13.0
LPRMC16	PRMC16B	2-vear	Tranezoidal	3	30	1137.4	906.00	896.00	0 879	0	0.0	1650	18.3
	TRINOTOD	5-vear	Trapezoidai	5		1107.4	300.00	000.00	0.075	0	0.0	1650	18.3
		10-year								0	0.0	1650	18.3
		25-year								0	0.0	1650	18.3
		50-year								0	0.0	1650	18.3
		100-year								0	0.0	1650	18.3
LPRMC17	LPRMC17	2-year	Natural	5	10	993.6	909.36	899.57	0.985	69	1.1	5903	7.7
		5-year								97	1.2	5903	7.7
		10-year								114	1.3	5903	7.7
		25-year								135	1.3	5903	1.1
		100-year								173	1.3	5903	7.7
LPRMC18	8405 1	2-vear	Circular	1 67	0	44 7	909 50	909.36	0.313	28	15.9	7	3.3
	0100.1	5-vear	Circular	1.07			000.00	000.00	0.010	30	16.3	7	3.3
		10-year								31	16.6	7	3.3
		25-year								33	16.8	7	3.3
		50-year								34	17.0	7	3.3
		100-year								35	17.1	7	3.3
LPRMC18	8405.2	2-year	Trapezoidal	1	30	44.7	913.00	912.96	0.100	43	3.1	91	3.0
		5-year								69	3.8	91	3.0
		10-year								84	4.1	91	3.0
		∠5-year								105	4.5	91	3.0
		100-vear								141	4.7	91	3.0
LPRMC19	8406 1	2-vear	Circular	1 67	n	94.3	909 95	909 50	0 477	17	7.6		<u> </u>
	5100.1	5-year	5	1.07	5	54.5		000.00	0.117	17	7.6	9	4.1
		10-year								17	7.6	9	4.1
		25-year								17	7.5	9	4.1
		50-year								17	7.5	9	4.1
		100-year								17	7.5	9	4.1
LPRMC19	8406.2	2-year	Trapezoidal	1	30	94.3	913.45	913.00	0.477	62	4.2	211	7.0
		5-year								90	4.9	211	7.0
		10-year								107	5.2	211	7.0
		∠o-year								129	5.5	211	7.0
		100-year								140	5.7 6.0	211 211	7.0
		i oo yeai								100	0.0	211	7.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9407.1	2 voor	Circular	1.67	()	690.2	010.97	000.05	1 459	(0.0)	((0.0)	(
	0407.1	5-year	Circular	1.07		000.5	313.07	303.33	1.430	10	7.3	16	7.2
		10-year								16	7.3	16	7.2
		25-year								16	7.3	16	7.2
		50-year								16	7.3	16	7.2
		100-year								16	7.3	16	7.2
LPRMC20	8407.2	2-year	Trapezoidal	1	30	680.3	924.04	913.45	1.557	11	1.3	381	12.7
		5-year								22	2.0	381	12.7
		10-year								29	2.3	381	12.7
		25-year								38	2.7	381	12.7
		100-year								43 54	2.9	381	12.7
LPRMC21	8408 1	2-vear	Circular	2	0	80.0	921 60	919 87	2 163	26	8.9	31	9.8
	0100.1	5-year	Circular			00.0	021.00	010.07	2.100	20	8.9	31	9.8
		10-year								27	8.8	31	9.8
		25-year								27	8.8	31	9.8
		50-year								27	8.9	31	9.8
		100-year								27	8.9	31	9.8
LPRMC21	8408.2	2-year	Trapezoidal	1	30	80.0	925.35	924.04	1.638	1	0.4	390	13.0
		5-year								12	2.7	390	13.0
		10-year								19	3.4	390	13.0
		25-year								28	4.2	390	13.0
		100-year								34 	4.0	390	13.0
LPRMC22	8472 1	2-vear	Circular	2	0	100.3	922.45	921.60	0.848	43	1.6	19	6.2
	0472.1	5-vear	Oncular	2	0	100.0	522.45	521.00	0.040	6	1.9	19	6.2
		10-year								7	2.1	19	6.2
		25-year								-4	-1.6	19	6.2
		50-year								-4	-1.6	19	6.2
		100-year								6	1.8	19	6.2
LPRMC22	8472.2	2-year	Trapezoidal	1	30	100.3	925.37	925.35	0.020	0	0.1	43	1.4
		5-year								0	0.2	43	1.4
		10-year								0	-0.2	43	1.4
		25-year								1	-0.2	43	1.4
		100-year								-1	-0.3	43	1.4
L BCI 0101	L RCI 0101	2-vear	Natural	20	0	956.5	882.07	873 84	0.860	119	0.2	142182	18.5
EROLOTOT	EROEDTOT	5-vear	Naturai	20	0	550.5	002.07	075.04	0.000	169	0.9	142182	18.5
		10-year								195	0.8	142182	18.5
		25-year								219	0.8	142182	18.5
		50-year								-255	0.7	142182	18.5
		100-year								297	0.7	142182	18.5
LRCL0102	RCL0102A	2-year	Circular	4	0	80.8	883.53	882.07	1.808	120	17.7	179	14.3
		5-year								171	20.2	179	14.3
		10-year								197	21.2	179	14.3
		25-year								220	21.9	179	14.3
		100-year								228	22.0 22.9	179	14.3
L BCI 0102	RCI 0102B	2-vear	Trapezoidal	5	30	80.8	887 53	887 45	0 100	200	0.0	1210	8.1
LINGEDIUZ	ROLUTUZE	5-year		5		00.0	001.00	001.40	0.100	0	0.0	1210	8.1
		10-year								0	0.0	1210	8.1
		25-year								-56	-2.6	1210	8.1
		50-year								95	-2.7	1210	8.1
		100-year								153	3.3	1210	8.1
LRCL0103	LRCL0103	2-year	Natural	10	0	46.5	883.86	883.53	0.710	89	0.8	38517	12.3
		5-year								128	0.8	38517	12.3
		10-year								149	0.9	38517	12.3
		∠o-year								1/7	0.8	38517	12.3
		100-vear								244	0.8	38517	12.3
		.00 your								274	0.0	50517	12.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fɒs)
		2-vear	Natural	(()	784.8	805 38	883.86	1 /68	102	(27085	(
LIKELUTU4	LICEUTO4	5-year	Inatural	0	0	704.0	035.50	005.00	1.400	102	1.5	27985	16.5
		10-year								174	1.6	27985	16.5
		25-year								209	1.7	27985	16.5
		50-year								236	1.7	27985	16.5
		100-year								272	1.7	27985	16.5
LRCL0105	8653.1	2-year	Circular	2.5	0	49.1	895.91	895.38	1.079	57	19.0	40	8.1
		5-year								62	19.9	40	8.1
		10-year								65	20.4	40	8.1
		25-year								68	21.0	40	8.1
		100-year								71	21.4	40	0.1
L RCI 0105	8653.2	2-vear	Trapezoidal	2	30	49 1	899 57	899 52	0 100	45	32	297	4.9
LINGLOIDO	0000.2	5-vear	Tapozoidai		00	10.1	000.07	000.02	0.100	85	4.1	297	4.9
		10-year								110	4.6	297	4.9
		25-year								142	5.0	297	4.9
		50-year								166	5.3	297	4.9
		100-year								199	5.7	297	4.9
LRCL0106	8654.1	2-year	Circular	2.5	0	58.7	896.55	895.91	1.091	36	7.2	40	8.1
		5-year								36	7.2	40	8.1
		10-year								35	7.2	40	8.1
		25-year								35	7.1	40	8.1
		50-year								34	6.9 7.2	40	8.1
	8654.2	2-vear	Tranazoidal	2	30	58 7	900 30	800 57	1 245	24	2.4	1038	0.1
LKCLUIUO	0004.2	2-year 5-year	Паредониа	2		56.7	900.30	099.57	1.245	52	3.4	1038	17.3
		10-vear								68	3.9	1038	17.3
		25-year								90	4.4	1038	17.3
		50-year								105	4.6	1038	17.3
		100-year								124	4.9	1038	17.3
LRCL0107	8600.1	2-year	Circular	2.5	0	114.6	898.62	896.55	1.807	52	10.5	51	10.4
		5-year								52	10.6	51	10.4
		10-year								52	10.6	51	10.4
		25-year								52	10.6	51	10.4
		50-year								53	10.7	51	10.4
	8600.2	2-vear	Tranazoidal	1	30	114.6	002.54	900 30	1 055	5	10.7	427	14.2
LIKELOTOT	0000.2	5-year	Tapezoidai		50	114.0	302.34	300.30	1.355	28	3.7	427	14.2
		10-vear								42	4.6	427	14.2
		25-year								60	5.5	427	14.2
		50-year								74	5.9	427	14.2
		100-year								93	6.3	427	14.2
LRCL0108	8601.1	2-year	Circular	2.5	0	70.4	899.48	898.62	1.222	41	9.3	42	8.6
		5-year								41	9.3	42	8.6
		10-year								41	9.6	42	8.6
		25-year								42	9.8	42	8.6
		50-year								42	9.8	42	8.6
	8601.2	2-vear	Tranezoidal	1	2 0	70 /	902 10	902 54	-0 100	40 _20	9.3 _2.2	42	0.0 1 F
LINGLUIUO	0001.2	5-year	Tapezolual			70.4	502.40	502.04	-0.199	-29	-2.3	136	4.5
		10-year								-64	-3.3	136	4.5
		25-year								-81	-3.7	136	4.5
		50-year								-94	-3.9	136	4.5
		100-year								-111	-4.3	136	4.5
LRCL0109	8602.1	2-year	Circular	1.5	0	189.1	906.10	899.48	3.501	23	13.5	18	10.3
		5-year								23	13.5	18	10.3
		10-year								24	13.5	18	10.3
		25-year								24	13.5	18	10.3
		50-year								24	13.5	18	10.3
	1	roo-year	1							24	13.3	18	10.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0109	8602.2	2-vear	Trapezoidal	2	30	189.1	910 93	902 40	4 511	. , ,	62	1975	32.9
2.1020.00	0002.2	5-year	rapozoidai				0.0100	002.10		59	6.5	1975	32.9
		10-year								73	7.2	1975	32.9
		25-year								92	7.6	1975	32.9
		50-year								105	7.6	1975	32.9
		100-year								123	7.3	1975	32.9
LRCL0110	8603.1	2-year	Circular	2.5	0	170.5	907.15	906.10	0.616	23	4.7	30	6.1
		5-year								24	4.9	30	6.1
		10-year								25	5.0	30	6.1
		50-vear								25	5.1	30	6.1
		100-vear								25	5.0	30	6.1
LRCL0110	8603.2	2-vear	Trapezoidal	2	30	170.5	911.65	909.93	1.009	5	0.3	934	15.6
		5-year								15	0.8	934	15.6
		10-year								22	1.1	934	15.6
		25-year								30	1.4	934	15.6
		50-year								37	1.6	934	15.6
		100-year								45	1.9	934	15.6
LRCL0111	8604.1	2-year	Circular	2	0	225.1	908.81	907.15	0.737	21	6.7	18	5.7
		5-year								21	6.7	18	5.7
		10-year								21	6.7	18	5.7
		25-year								21	6.7	18	5.7
		100-year								21	6.7	18	5.7
	8604.2	2-vear	Trapazoidal	1	30	225.1	012.81	011.65	0.515	12	0.7	210	7.3
ERCEUTT	0004.2	5-vear	Tapezoidai			220.1	312.01	311.05	0.515	23	3.0	219	7.3
		10-vear								30	3.4	210	7.3
		25-year								39	3.7	219	7.3
		50-year								45	3.9	219	7.3
		100-year								54	4.2	219	7.3
LRCL0112	8605.1	2-year	Circular	2	0	183.6	914.23	908.81	2.952	28	9.2	36	11.5
		5-year								36	11.3	36	11.5
		10-year								36	11.3	36	11.5
		25-year								36	11.4	36	11.5
		50-year								36	11.4	36	11.5
	0005.0	100-year	Transsidal	4	20	402.0	040.00	040.04	2.052	36	11.4	36	11.5
LRCL0112	8605.2	2-year	i rapezoidai	1	30	183.6	918.23	912.81	2.952	0	0.0	524	17.5
		10-vear								4	0.0	524	17.5
		25-year								10	2.7	524	17.5
		50-year								25	3.3	524	17.5
		100-year								34	3.8	524	17.5
LRCL0113	8606.1	2-year	Circular	2	0	38.9	914.81	914.23	1.492	28	10.4	26	8.2
		5-year								34	10.8	26	8.2
		10-year								34	10.9	26	8.2
		25-year								34	10.8	26	8.2
		50-year								34	10.8	26	8.2
		100-year								34	10.8	26	8.2
LRCL0113	8606.2	2-year	I rapezoidal	1	30	38.9	918.81	918.23	1.492	0	0.0	373	12.4
		5-year								12	3.2	373	12.4
		25-year								18	3.8	3/3	12.4
		20-year								21	4.5 1 R	313	12.4
		100-vear								42	5.3	373	12.4
LRCL01A01	LRCL01A01	2-year	Trapezoidal	7	40	634 1	890 65	883 53	1,123	38	0.5	17951	13.0
		5-year								53	0.5	17951	13.0
		10-year								61	0.6	17951	13.0
		25-year								68	0.6	17951	13.0
		50-year								71	0.6	17951	13.0
		100-year								77	0.6	17951	13.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCI 01A02	8481 1	2-vear	Circular	3	Λ ,	52 7	890.82	890 65	0 322	30	13.5	35	5.0
LINGEGINIGE	010111	5-year	Circular			02.7	000.02	000.00	0.022	54	15.4	35	5.0
		10-year								62	16.2	35	5.0
		25-year								69	16.7	35	5.0
		50-year								73	16.8	35	5.0
		100-year								78	17.7	35	5.0
LRCL01A02	8481.2	2-year	Trapezoidal	1	30	52.7	897.24	897.00	0.455	0	0.0	206	6.9
		5-year								0	0.0	206	6.9
		10-year								0	0.0	206	6.9
		50-vear								0	0.0	206	6.9
		100-vear								0	0.0	206	6.9
LRCL01A03	8599.1	2-vear	Circular	3	0	50.8	890.98	890.82	0.315	32	6.7	35	4.9
		5-year								42	7.5	35	4.9
		10-year								47	7.8	35	4.9
		25-year								53	8.2	35	4.9
		50-year								56	8.5	35	4.9
		100-year								63	8.8	35	4.9
LRCL01A03	8599.2	2-year	Trapezoidal	1	30	50.8	897.90	897.24	1.299	0	0.0	348	11.6
		5-year								0	0.0	348	11.6
		10-year								0	0.0	348	11.6
		25-year								0	0.0	348	11.6
		100-year								0	0.0	340	11.0
LRCI 01A04	8598 1	2-vear	Circular	3	0	161.0	891.03	890 98	0.031	32	5.6	11	11.0
LICEUTAU	0000.1	5-vear	Oncular	5	0	101.0	001.00	030.30	0.001	42	6.4	11	1.5
		10-year								47	6.8	11	1.5
		25-year								53	7.6	11	1.5
		50-year								56	8.0	11	1.5
		100-year								63	8.8	11	1.5
LRCL01A04	8598.2	2-year	Trapezoidal	1	30	161.0	898.06	897.90	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	90	3.2
LRCI 01A05	LRCI 01A05	2-vear	Trapezoidal	6	6	166.3	891.08	891.03	0.030	33	0.0	1773	1.8
EROLOTAGO	EROLOTAGO	5-vear	Trapezoidai	0	0	100.0	001.00	001.00	0.000	43	0.2	1773	1.0
		10-year								48	0.2	1773	1.8
		25-year								54	0.2	1773	1.8
		50-year								58	0.2	1773	1.8
		100-year								102	0.2	1773	1.8
LRCL01A06	RCL01A06A	2-year	Circular	2	0	40.8	891.18	891.08	0.245	37	11.4	10	3.3
		5-year								48	15.2	10	3.3
		10-year								53	16.7	10	3.3
		25-year								58	18.3	10	3.3
		50-year								61	19.2	10	3.3
	RCI 01A06P	2-vear	Tranazoidal	1	30	10 0	808 10	807 50	1 /72	02	19.5	10	3.3 12.2
LICEUTADO	ROLUTAUOD	5-year	Tapezulual		30	40.0	030.10	031.00	1.472	0	0.0	370	12.3
		10-year								0	0.0	370	12.3
		25-year								0	0.0	370	12.3
		50-year								1	1.0	370	12.3
		100-year								81	6.8	370	12.3
LRCL01A07	LRCL01A07	2-year	Natural	11	20	337.8	900.00	891.18	2.611	56	0.7	102186	24.0
		5-year								90	0.5	102186	24.0
		10-year								106	0.6	102186	24.0
		25-year								129	0.7	102186	24.0
		50-year								146	0.7	102186	24.0
	I	roo-year								168	0.7	102186	24.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL01A08	8597 1	2-vear	Circular	2	0	55.4	900.09	900.00	0 162	31	15.1	8	27
LINGLOWING	0007.1	5-vear	onoului	-		00.1	000.00	000.00	0.102	34	15.9	8	2.7
		10-year								36	16.2	8	2.7
		25-year								37	16.6	8	2.7
		50-year								39	16.8	8	2.7
		100-year								40	17.0	8	2.7
LRCL01A08	8597.2	2-year	Trapezoidal	1	30	55.4	903.78	903.72	0.100	27	2.6	100	3.3
		5-year								56	3.5	100	3.3
		10-year								72	3.9	100	3.3
		25-year								94	4.3	100	3.3
		50-year								110	4.6	100	3.3
	0402.4	100-year	Cincular	2	0	475.0	000.00	000.00	0.474	132	4.9	100	3.3
LRCLUIAU9	8483.1	2-year	Circular	2	0	175.3	900.39	900.09	0.171	30	10.9	9	2.8
		10-year								35	10.9	9	2.0
		25-vear								35	10.9	9	2.0
		50-vear								35	10.9	9	2.8
		100-year								35	10.9	9	2.8
LRCL01A09	8483.2	2-year	Trapezoidal	1	30	175.3	908.66	903.78	2.784	14	2.0	509	17.0
		5-year								43	3.7	509	17.0
		10-year								58	4.3	509	17.0
		25-year								80	5.1	509	17.0
		50-year								95	5.5	509	17.0
		100-year								116	6.0	509	17.0
LRCL01A10	8596.1	2-year	Circular	2	0	192.2	900.72	900.39	0.172	25	7.7	9	2.8
		5-year								24	7.7	9	2.8
		10-year								24	7.7	9	2.8
		25-year								24	7.6	9	2.8
		50-year								24	7.6	9	2.8
	9506.2	2 voor	Tranazaidal	10	20	102.2	006.20	009.66	1 229	24	7.0	9	2.0
LICEUTATO	0330.2	5-vear	Паредонал	10		132.2	300.30	300.00	-1.220	-41	-0.5	11652	38.8
		10-vear								-83	-1.7	11652	38.8
		25-year								-104	-1.9	11652	38.8
		50-year								-119	-2.1	11652	38.8
		100-year								-140	-2.4	11652	38.8
LRCL01A11	8592.1	2-year	Circular	2	0	33.2	901.66	900.72	2.834	22	6.9	35	11.3
		5-year								22	6.8	35	11.3
		10-year								22	6.9	35	11.3
		25-year								22	6.9	35	11.3
		50-year								22	7.0	35	11.3
		100-year	- ····				0.000			22	6.9	35	11.3
LRCL01A11	8592.2	2-year	Trapezoidal	4	30	33.2	906.66	906.30	1.085	53	2.4	2856	23.8
		o-year								85	2.8	2856	23.8
		25-year								105	3.0	2856	23.8
		50-vear								108	3.U 3.0	2000	23.8 ງຈ.ຂ
		100-vear								192	3.6	2856	23.8
LRCL01A12	8448 1	2-vear	Circular	2	0	131.0	904 88	901 66	2 459	14	5.6	33	10.5
	5	5-year			3					17	5.4	33	10.5
		10-year								19	6.0	33	10.5
		25-year								21	6.7	33	10.5
		50-year								22	6.9	33	10.5
		100-year								22	7.0	33	10.5
LRCL01A12	8448.2	2-year	Trapezoidal	3	30	131.0	908.88	906.66	1.695	12	0.4	2291	25.5
		5-year								30	0.8	2291	25.5
		10-year								44	1.1	2291	25.5
		25-year								66	1.5	2291	25.5
		50-year								79	1.7	2291	25.5
		100-year								96	2.0	2291	25.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL01B01	8482 1	2-vear	Circular	15	0	42.6	906.86	906 10	1 786	14	78	13	7.4
ERGEOTEGT	0102.1	5-vear	Circular	1.0		12.0	000.00	000.10	1.700	15	8.2	13	7.4
		10-year								15	8.2	13	7.4
		25-year								15	8.3	13	7.4
		50-year								15	8.3	13	7.4
		100-year								15	8.6	13	7.4
LRCL01B01	8482.2	2-year	Trapezoidal	3	30	42.6	909.36	910.93	-3.689	-24	-0.8	3380	37.6
		5-year								-35	-1.1	3380	37.6
		10-year								-42	-1.3	3380	37.6
		50-year								-51	-1.5	3380	37.0
		100-vear								-67	-1.8	3380	37.6
LRCL0201	LRCL0201	2-vear	Natural	14	0	411.2	881.83	877.37	1.085	93	3.8	84463	17.0
		5-year								126	3.5	84463	17.0
		10-year								154	3.1	84463	17.0
		25-year								212	2.7	84463	17.0
		50-year								244	2.4	84463	17.0
		100-year								284	2.1	84463	17.0
LRCL0202	8568.1	2-year	Rectangular	4	6	408.5	892.34	881.83	2.573	82	10.9	461	19.2
		5-year								110	11.7	461	19.2
		10-year								134	12.4	461	19.2
		25-year								210	14.5	401	19.2
		100-year								210	16.4	461	19.2
LRCL0202	8568.2	2-vear	Trapezoidal	1	30	408.5	898.34	888.00	2.531	0	0.0	485	16.2
2.1020202	000012	5-year	riapozoidai				000101	000.00	2.001	0	0.0	485	16.2
		10-year								0	0.0	485	16.2
		25-year								0	0.0	485	16.2
		50-year								0	0.0	485	16.2
		100-year								0	0.0	485	16.2
LRCL0203	8567.1	2-year	Rectangular	4	6	209.9	894.76	892.34	1.153	68	10.2	309	12.9
		5-year								88	11.1	309	12.9
		10-year								112	12.2	309	12.9
		25-year								153	13.4	309	12.9
		100-year								202	14.0	309	12.9
LRCL0203	8567.2	2-vear	Trapezoidal	1	30	209.9	900.26	898.34	0.915	0	0.0	292	9.7
		5-year								0	0.0	292	9.7
		10-year								0	0.0	292	9.7
		25-year								0	0.0	292	9.7
		50-year								0	0.0	292	9.7
L		100-year								0	0.0	292	9.7
LRCL0204	8566.1	2-year	Circular	2.5	0	534.3	907.00	894.76	2.291	49	13.0	58	11.7
		5-year								53	13.3	58	11.7
		10-year								58	13.6	58	11.7
		20-year								64 66	13.9	58 50	11.7
		100-vear								66	13.9	58	11.7
LRCL0204	8566.2	2-year	Trapezoidal	1	30	534.3	911.50	900.26	2.104	10	3.4	442	14.7
		5-year								22	4.5	442	14.7
		10-year								41	5.8	442	14.7
		25-year								69	7.1	442	14.7
		50-year								86	7.8	442	14.7
		100-year								112	8.6	442	14.7
LRCL0205	8435.1	2-year	Circular	2.5	0	54.9	907.51	907.00	0.930	48	9.7	37	7.5
		5-year								52	10.5	37	7.5
		10-year								54	11.0	37	/.5 7 r
		∠0-year								55	11.1	37	7.5
		100-year								55	11.1	37	7.5
			1					1				51	

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0205	8435.2	2-vear	Trapezoidal	1	30	54 9	911 90	911 50	0 729	22	33	260	87
LINGEGEGG	0100.2	5-year	Trapozoidai			01.0	011.00	011.00	0.720	37	4.0	260	8.7
		10-year								61	4.9	260	8.7
		25-year								93	5.8	260	8.7
		50-year								111	6.2	260	8.7
		100-year								135	6.7	260	8.7
LRCL0206	8436.1	2-year	Circular	2.5	0	35.0	908.35	907.51	2.390	48	9.9	59	12.0
		5-year								52	10.6	59	12.0
		10-year								54	11.0	59	12.0
		25-year								55	11.1	59	12.0
		100-year								55	11.2	59	12.0
L R CL 0206	8436.2	2-vear	Tranezoidal	1	30	35.0	911 93	911 90	0.086	30	2.8	80	3.0
LINOLO200	0430.2	5-vear	Trapezoidai			55.0	511.55	511.50	0.000	44	3.2	89	3.0
		10-vear								68	3.8	89	3.0
		25-year								99	4.4	89	3.0
		50-year								117	4.7	89	3.0
		100-year								140	5.1	89	3.0
LRCL0207	8607.1	2-year	Circular	2.5	0	100.8	908.61	908.35	0.261	40	8.1	19	4.0
		5-year								46	9.4	19	4.0
		10-year								47	9.4	19	4.0
		25-year								46	9.4	19	4.0
		50-year								46	9.4	19	4.0
		100-year								46	9.4	19	4.0
LRCL0207	8607.2	2-year	Trapezoidal	1	30	100.8	913.77	911.93	1.825	0	0.0	412	13.7
		5-year								1	0.2	412	13.7
		25-year								25	2.2	412	13.7
		50-vear								43	3.0	412	13.7
		100-year								71	3.9	412	13.7
LRCL0208	8608.1	2-vear	Circular	2.5	0	562.9	916.73	908.61	1.442	40	8.5	46	9.3
2.1020200		5-year	onoului	2.0		00210	0.0.00	000101		49	9.8	46	9.3
		10-year								54	10.9	46	9.3
		25-year								54	10.9	46	9.3
		50-year								54	10.9	46	9.3
		100-year								54	10.9	46	9.3
LRCL0208	8608.2	2-year	Trapezoidal	1	30	562.9	924.98	913.77	1.991	0	0.0	430	14.3
		5-year								0	0.0	430	14.3
		10-year								16	3.5	430	14.3
		25-year								33	4.8	430	14.3
		50-year								44 50	5.4	430	14.3
	8610.1	2-vear	Circular	0	0	030 E	010 12	016 72	1 0 2 9	29	0.2	430	14.3
LNGLUZUS	0010.1	∠-year 5-vear		2	0	200.0	313.13	910.73	1.028	30 34	9.3	∠1 21	8.0 8.2
		10-vear									10.5	21	6.8
		25-year								34	10.5	21	6.8
		50-year								34	10.4	21	6.8
		100-year								33	10.4	21	6.8
LRCL0209	8610.2	2-year	Trapezoidal	3	30	233.5	923.46	924.98	-0.651	0	0.0	1420	15.8
		5-year								-16	-0.6	1420	15.8
		10-year								-44	-1.3	1420	15.8
		25-year								-56	-1.6	1420	15.8
		50-year								-64	-1.7	1420	15.8
		100-year								-75	-1.9	1420	15.8
LRCL0210	8609.1	2-year	Circular	2	0	37.7	919.50	919.13	0.982	29	9.2	21	6.6
		5-year								32	10.2	21	6.6
		10-year								32	10.1	21	6.6
		50-year								30	9.0 0.7	∠1 21	0.0
		100-year								30	9.7	21	6.6
											0.0	- 1	0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0210	8609.2	2-vear	Trapezoidal	3	30	37.7	923.25	923.46	-0 558	-13	-15	1314	14.6
LINGLOZIO	0003.2	5-vear	Trapezoidai	5		57.7	525.25	525.40	0.000	-39	-2.2	1314	14.6
		10-year								-51	-2.3	1314	14.6
		25-year								-62	-2.4	1314	14.6
		50-year								-71	-2.5	1314	14.6
		100-year								-82	-2.5	1314	14.6
LRCL0211	8429.1	2-year	Circular	1.5	0	23.9	921.00	919.50	6.284	24	13.3	22	12.3
		5-year								24	13.6	22	12.3
		10-year								24	13.4	22	12.3
		25-year								24	13.4	22	12.3
		100-year								24	13.4	22	12.3
L RCL 0211	8429.2	2-vear	Tranezoidal	3	30	23.0	923.00	923.25	-1 047	_27	-2.1	1606	17.8
LINGLUZIT	0423.2	5-year	Паредонал	5		23.3	323.00	323.23	-1.047	-42	-2.1	1606	17.8
		10-vear								-52	-2.1	1606	17.8
		25-year								-63	-2.2	1606	17.8
		50-year								-71	-2.2	1606	17.8
		100-year								-82	-2.3	1606	17.8
LRCL02A01	8614.1	2-year	Circular	2	0	248.0	893.67	892.34	0.536	11	5.8	15	4.9
		5-year								17	6.6	15	4.9
		10-year								21	7.5	15	4.9
		25-year								26	8.7	15	4.9
		50-year								27	8.9	15	4.9
		100-year								28	9.1	15	4.9
LRCL02A01	8614.2	2-year	Trapezoidal	1	30	248.0	897.67	898.34	-0.270	0	0.0	159	5.3
		5-year								0	0.0	159	5.3
		10-year								0	0.0	159	5.3
		20-year								0	0.0	159	5.3
		100-year								-3	-0.3	159	5.3
L R CL 02A02	8613.1	2-vear	Circular	2	0	61.3	896.09	893.67	3 950	11	7.2	42	13.3
LINGLOLING	0010.1	5-vear	onoului	-		01.0	000.00	000.07	0.000	17	7.9	42	13.3
		10-year								21	8.3	42	13.3
		25-year								26	8.5	42	13.3
		50-year								29	9.3	42	13.3
		100-year								34	10.8	42	13.3
LRCL02A02	8613.2	2-year	Trapezoidal	1	30	61.3	900.09	897.67	3.950	0	0.0	606	20.2
		5-year								0	0.0	606	20.2
		10-year								0	0.0	606	20.2
		25-year								0	0.0	606	20.2
		50-year								0	0.0	606	20.2
	0045 4	100-year	Circular			400 5	000 70	000.01	0.750	0	0.0	606	20.2
LKGL02B01	8615.1	∠-year 5-year	Circular	2	0	182.5	oy3.72	o92.34	0.756	4	4.0	18	5.8
		10-vear								7	4.7	10	5.8 ج ہ
		25-vear								<u>ر</u> لا	5.0	10	5.8
		50-vear									5.6	18	5.8
		100-year								11	5.8	18	5.8
LRCL02B01	8615.2	2-year	Trapezoidal	1	30	182.5	897.72	898.34	-0.340	0	0.0	178	5.9
		5-year								0	0.0	178	5.9
		10-year								0	0.0	178	5.9
		25-year								0	0.0	178	5.9
		50-year								0	0.0	178	5.9
		100-year								0	0.0	178	5.9
LRCL02B02	8616.1	2-year	Circular	1.25	0	63.6	894.65	893.72	1.463	4	6.0	7	5.9
		5-year								6	6.8	7	5.9
		10-year								7	7.1	7	5.9
		25-year								8	7.4	7	5.9
		50-year								10	8.2	7	5.9
		roo-year								11	9.0	/	5.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL02B02	8616.2	2-vear	Trapezoidal	1	30	63.6	897 90	897 72	0.283	0	0.0	162	5.4
LINOLOLDUL	0010.2	5-vear	Trapozoidai			00.0	001.00	007.72	0.200	0	0.0	162	5.4
		10-year								0	0.0	162	5.4
		25-year								0	0.0	162	5.4
		50-year								0	0.0	162	5.4
		100-year								0	0.0	162	5.4
LRCL02C01	LRCL02C01	2-year	Circular	2	0	36.0	909.35	908.61	2.057	3	1.0	30	9.6
		5-year								4	1.3	30	9.6
		10-year								5	1.5	30	9.6
		25-year								5	1.4	30	9.6
		100-vear								4	1.4	30	9.6
LRCL02C02	LRCL02C02	2-vear	Circular	2	0	36.5	909.73	909.35	1.041	1	0.6	21	6.8
		5-year								2	1.0	21	6.8
		10-year								3	1.0	21	6.8
		25-year								3	1.0	21	6.8
		50-year								3	0.9	21	6.8
		100-year								3	0.9	21	6.8
LRCL02D01	8430.1	2-year	Circular	2	0	71.9	921.20	916.73	6.216	12	6.9	52	16.7
		5-year								18	9.0	52	16.7
		10-year								20	9.2	52	16.7
		25-year								23	9.4	52	16.7
		100-year								20	9.7	52	16.7
LRCL02D01	8430.2	2-vear	Trapezoidal	1	30	71 9	925 20	924 98	0.306	0	0.0	169	5.6
LICOLOZDOT	0430.2	5-vear	Trapezoidai			71.5	525.20	524.50	0.000	0	0.0	169	5.6
		10-year								7	1.6	169	5.6
		25-year								12	2.0	169	5.6
		50-year								15	2.1	169	5.6
		100-year								20	2.3	169	5.6
LRCL02D02	8431.1	2-year	Circular	2	0	32.5	921.90	921.20	2.151	12	10.4	31	9.8
		5-year								17	12.0	31	9.8
		10-year								20	12.1	31	9.8
		25-year								24	12.0	31	9.8
		100-year								20	12.1	31	9.0
LRCL02D02	8431.2	2-vear	Trapezoidal	1	30	32.5	925 90	925 20	2 151	0	0.0	447	14.9
LICOLOZDOZ	0401.2	5-vear	Trapezoidai			52.5	525.50	525.20	2.101	0	0.0	447	14.9
		10-year								0	0.0	447	14.9
		25-year								0	0.0	447	14.9
		50-year								1	0.2	447	14.9
		100-year								4	1.0	447	14.9
LRCL02D03	8432.1	2-year	Circular	2	0	28.4	922.04	921.90	0.493	12	7.4	14	4.6
		5-year								17	8.5	14	4.6
		10-year								20	8.9	14	4.6
		25-year								24	9.2	14	4.6
		100-year								25	9.3	14	4.6
	8432.2	2-vear	Trapezoidal	1	30	28 /	926 04	925 00	0 403	29 0	9.4	14 208	4.0 6.0
	5702.2	5-year				20.4	520.04	520.00	0.433	0	0.0	208	6.9
		10-year								0	0.0	208	6.9
		25-year								3	1.3	208	6.9
		50-year								7	1.9	208	6.9
		100-year								11	2.2	208	6.9
LRCL0300	LRCL0300	2-year	Natural	16	0	121.4	890.05	878.97	9.124	60	2.5	331778	65.1
		5-year								88	2.1	331778	65.1
		10-year								104	1.9	331778	65.1
		25-year								127	1.7	331778	65.1
		50-year								144	1.5	331778	65.1
	l	roo-year	1							001	1.4	331/18	05.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0301	L RCI 0301	2-vear	Natural	36	0	373 3	903 38	890.05	3 571	58	57	1732	14.5
EROE0301	EROE0301	5-vear	Induitai	0.0	0	010.0	505.50	000.00	0.071	84	6.3	1732	14.5
		10-year								99	6.7	1732	14.5
		25-year								120	7.1	1732	14.5
		50-year								136	7.3	1732	14.5
		100-year								157	7.6	1732	14.5
LRCL0302	8395.1	2-year	Circular	2	0	42.2	903.61	903.38	0.545	41	16.9	16	4.9
		5-year								45	17.4	16	4.9
		10-year								46	17.6	16	4.9
		25-year								48	17.9	16	4.9
		100-year								49 51	18.3	16	4.9
L RCI 0302	8395.2	2-vear	Trapezoidal	1	30	42.2	906 86	906.82	0.095	16	2.1	94	3.1
LINGLOODE	0000.2	5-vear	Trapozoidai		00	12.2	000.00	000.02	0.000	39	3.1	94	3.1
		10-year								53	3.5	94	3.1
		25-year								72	3.9	94	3.1
		50-year								87	4.2	94	3.1
		100-year								105	4.5	94	3.1
LRCL0303	8612.1	2-year	Circular	2	0	29.3	904.24	903.61	2.149	33	10.4	30	9.7
		5-year								33	10.4	30	9.7
		10-year								33	10.4	30	9.7
		25-year								33	10.4	30	9.7
		50-year								33	10.4	30	9.7
L BCL 0202	9610.0	100-year	Tranazaidal	1	20	20.2	007.07	006.96	0.716	33	10.4	30	9.7
LRGL0303	0012.2	z-year	Паредоциа	1	30	29.3	907.07	900.00	0.716		4.1	200	0.0 8.5
		10-vear								83	5.2	255	8.5
		25-vear								105	5.5	255	8.5
		50-year								121	5.8	255	8.5
		100-year								142	6.0	255	8.5
LRCL0304	8611.1	2-year	Circular	2	0	406.3	911.12	904.24	1.694	30	9.5	27	8.7
		5-year								30	9.5	27	8.7
		10-year								30	9.5	27	8.7
		25-year								30	9.5	27	8.7
		50-year								30	9.5	27	8.7
	0011.0	100-year	Tana and dat			400.0	045.00	007.07	0.000	30	9.4	27	8.7
LRCL0304	8611.2	2-year	Trapezoidal	1	30	406.3	915.29	907.07	2.023	20	3.1	434	14.5
		5-year								41 54	4.3	434	14.5
		25-year								71	5.4	434	14.5
		50-year								83	5.7	434	14.5
		100-year								100	6.2	434	14.5
LRCL0305	8437.1	2-year	Circular	2	0	37.3	911.56	911.12	1.181	30	9.6	23	7.3
		5-year								29	9.6	23	7.3
		10-year								30	9.6	23	7.3
		25-year								29	9.5	23	7.3
		50-year								30	9.4	23	7.3
		100-year								30	9.6	23	7.3
LRCL0305	8437.2	2-year	I rapezoidal	1	30	37.3	915.56	915.29	0.725	29	3.7	260	8.7
		5-year								49	4.5	260	8.7
		25-year								79	4.9	200	0.7 8 7
		50-year								90	5.4	200	87
		100-year								106	6.1	260	8.7
LRCL0401	LRCL0401	2-year	Natural	20	0	749.3	891.42	878.62	1.708	116	1.3	194040	33.6
		5-year								168	1.4	194040	33.6
		10-year								202	1.5	194040	33.6
		25-year								245	1.5	194040	33.6
		50-year								277	1.6	194040	33.6
		100-year								318	1.6	194040	33.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	PCI 04024	2-vear	Circular	2	(,	49.7	803.68	801 /2	4 550	30	17.5	(0.0)	1/1 3
	ROLOHOZA	5-vear	Oncolar	2	0	45.7	000.00	001.42	4.000	48	17.3	45	14.3
		10-year								51	19.1	45	14.3
		25-year								55	19.6	45	14.3
		50-year								57	19.8	45	14.3
		100-year								59	20.0	45	14.3
LRCL0402	RCL0402B	2-year	Trapezoidal	1	30	49.7	896.00	895.95	0.100	0	0.0	97	3.2
		5-year								26	2.6	97	3.2
		10-year								50	3.3	97	3.2
		25-year								82	4.1	97	3.2
		100-year								100	4.5	97	3.2
L RCI 0403	L RCI 0403	2-vear	Natural	10	0	855.5	915 74	893.68	2 579		5.8	18051	20.7
Enclotico	ERCEOTOC	5-vear	i tatarai	10		000.0	010.11	000.00	2.070	138	5.6	18051	20.7
		10-year								163	5.6	18051	20.7
		25-year								197	5.6	18051	20.7
		50-year								223	5.6	18051	20.7
		100-year								257	5.7	18051	20.7
LRCL0404	8384.1	2-year	Circular	2	0	226.2	920.74	915.74	2.210	14	7.7	31	9.9
		5-year								20	9.5	31	9.9
		10-year								24	10.3	31	9.9
		25-year								29	11.0	31	9.9
		50-year								32	11.3	31	9.9
	0204.2	100-year	Tranazaidal	1	20	226.2	024.01	018.00	2.054	30	11.4	51	9.9
LRGL0404	0304.2	z-year	Паредойа	1	30	220.2	924.91	918.00	3.054	0	0.0	533	17.0
		10-vear								0	0.0	533	17.8
		25-year								0	0.0	533	17.8
		50-year								0	0.0	533	17.8
		100-year								0	0.0	533	17.8
LRCL0405	8617.1	2-year	Circular	2	0	48.2	921.99	920.74	2.596	14	9.9	34	10.8
		5-year								20	10.9	34	10.8
		10-year								24	11.3	34	10.8
		25-year								29	11.7	34	10.8
		50-year								33	11.7	34	10.8
	9617.0	100-year	Circular	1	20	49.0	025.00	024.01	2 242	30	11.3	34 F	10.8
LRGL0405	8017.2	2-year	Circular	1	30	48.2	925.99	924.91	2.243	0	0.0	5	6.3
		10-vear								0	0.0	5	6.3
		25-vear								0	0.0	5	6.3
		50-year								0	0.0	5	6.3
		100-year								0	0.0	5	6.3
LRCL0406	8655.1	2-year	Circular	4	0	49.5	922.78	921.99	1.603	14	7.3	169	13.4
		5-year								20	8.0	169	13.4
		10-year								24	8.3	169	13.4
		25-year								29	8.5	169	13.4
		50-year								33	8.5	169	13.4
	0055.0	100-year	-			10.5	005 70	005.00	0.440	36	8.4	169	13.4
LKCL0406	8655.2	∠-year 5-year	i rapezoidal	1	30	49.5	925.78	925.99	-0.418	0	0.0	197	6.6
		10-veer								0	0.0	197	0.0 6.6
		25-vear								0	0.0	197	6.6
		50-year								0	0.0	197	6.6
		100-year								0	0.0	197	6.6
LRCL0407	LRCL0407	2-year	Trapezoidal	4	8	101.4	924.69	922.78	1.880	14	2.3	1062	12.1
		5-year								20	2.7	1062	12.1
		10-year								24	2.8	1062	12.1
		25-year								29	3.0	1062	12.1
		50-year								33	3.0	1062	12.1
		100-year								38	3.1	1062	12.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8466 1	2-vear	Circular	()	()	69.1	027.85	024.60	4 576	14	13.1	(0.0)	(
LINCLO400	0400.1	5-year	Circular	2	0	03.1	321.05	324.03	4.570	20	14.6	45	14.3
		10-year								24	15.3	45	14.3
		25-year								29	16.1	45	14.3
		50-year								33	16.6	45	14.3
		100-year								38	17.3	45	14.3
LRCL0408	8466.2	2-year	Trapezoidal	1	30	69.1	930.00	927.69	3.345	0	0.0	558	18.6
		5-year								0	0.0	558	18.6
		10-year								0	0.0	558	18.6
		50-vear								0	0.0	558	18.6
		100-year								1	1.4	558	18.6
LRCL0501	LRCL0501	2-year	Natural	22	0	561.6	898.15	880.54	3.136	132	3.2	164012	44.0
		5-year								193	2.6	164012	44.0
		10-year								229	2.5	164012	44.0
		25-year								277	2.4	164012	44.0
		50-year								312	2.4	164012	44.0
		100-year	<u>.</u>							358	2.4	164012	44.0
LRCL0502	8382.1	2-year	Circular	5	0	78.1	901.23	898.15	3.944	111	21.2	480	24.5
		5-year								102	24.0	480	24.5
		25-year								232	27.0	480	24.5
		50-year								263	28.1	480	24.5
		100-year								299	29.3	480	24.5
LRCL0502	8382.2	2-year	Trapezoidal	1	30	78.1	910.00	909.92	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
	8102.1	100-year	Circular	4	0	410.7	000.08	001 33	2.095	0	15.0	98	3.3
LRGL0503	8192.1	2-year 5-year	Circular	4	0	419.7	909.98	901.23	2.085	126	15.0	193	15.3
		10-vear								120	17.1	193	15.3
		25-year								181	17.7	193	15.3
		50-year								204	18.1	193	15.3
		100-year								219	18.6	193	15.3
LRCL0503	8192.2	2-year	Trapezoidal	1	30	419.7	915.65	910.00	1.346	0	0.0	354	11.8
		5-year								0	0.0	354	11.8
		10-year								0	0.0	354	11.8
		25-year								0	0.0	354	11.8
		100-vear								13	3.2	354	11.8
LRCL0504	8383.1	2-vear	Circular	2	0	216.5	917.49	909.98	3.469	47	15.3	39	12.5
		5-year		_						47	15.3	39	12.5
		10-year								47	15.3	39	12.5
		25-year								47	15.3	39	12.5
		50-year								47	15.3	39	12.5
		100-year								47	15.3	39	12.5
LRCL0504	8383.2	2-year	Trapezoidal	1	30	216.5	921.57	915.65	2.735	19	4.7	504	16.8
		5-year								50	6.8	504	16.8
		25-year								00 02	1.1 8.7	504	16.8
		50-vear								112	9.3	504	16.8
		100-year								138	10.2	504	16.8
LRCL0505	8189.1	2-year	Circular	2	0	370.8	917.58	917.49	0.024	22	7.3	3	1.0
		5-year								22	7.3	3	1.0
		10-year								22	7.3	3	1.0
		25-year								22	7.3	3	1.0
		50-year								22	7.3	3	1.0
		100-year								22	7.3	3	1.0
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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LRCL0505	8189.2	2-vear	Trapezoidal	1	30	370.8	922.75	921.57	0.318	47	3.5	172	5.7
2.1020000	010012	5-year	riapozoidai			0,010	022.110	0201	0.010	73	4.1	172	5.7
		10-year								89	4.5	172	5.7
		25-year								109	4.8	172	5.7
		50-year								124	5.1	172	5.7
		100-year								144	5.4	172	5.7
LRCL05A01	8191.1	2-year	Circular	2.5	0	201.7	913.40	909.98	1.695	22	7.8	50	10.1
		5-year								32	8.9	50	10.1
		10-year								38	9.6	50	10.1
		50-vear								40 52	10.3	50	10.1
		100-vear								58	11.7	50	10.1
LRCL05A01	8191.2	2-year	Trapezoidal	1	30	201.7	918.82	915.65	1.571	0	0.0	382	12.7
		5-year								0	0.0	382	12.7
		10-year								0	0.0	382	12.7
		25-year								0	0.0	382	12.7
		50-year								0	0.0	382	12.7
		100-year								12	3.2	382	12.7
LRCL05A02	8190.1	2-year	Circular	2.5	0	210.6	919.68	913.40	2.982	22	11.0	66	13.4
		5-year								32	12.1	66	13.4
		10-year								39	12.4	00	13.4
		50-year								52	13.0	66	13.4
		100-vear								61	13.2	66	13.4
LRCL05A02	8190.2	2-vear	Trapezoidal	1	30	210.6	924.76	918.82	2.820	0	0.0	512	17.1
		5-year								0	0.0	512	17.1
		10-year								0	0.0	512	17.1
		25-year								0	0.0	512	17.1
		50-year								0	0.0	512	17.1
		100-year								0	0.0	512	17.1
LRCL05B01	8464.1	2-year	Circular	2	0	17.3	918.86	917.58	7.390	5	1.5	43	13.8
		5-year								3	1.0	43	13.8
		10-year								4	1.2	43	13.8
		50-year								1	0.3	43	13.8
		100-vear								5	1.6	43	13.8
LRCL05B01	8464.2	2-year	Trapezoidal	1	30	17.3	922.86	922.75	0.635	1	0.7	185	6.2
		5-year								1	0.6	185	6.2
		10-year								1	0.7	185	6.2
		25-year								1	0.7	185	6.2
		50-year								0	-0.1	185	6.2
		100-year				-				1	0.8	185	6.2
LRCL05C01	8465.1	2-year	Circular	2	0	27.5	919.07	917.58	5.416	3	1.0	47	14.9
		5-year								7	2.3	47	14.9
		25-vear								8	2.5	47	14.9
		50-year								9	2.0 2.0	47	14.9
		100-year								7	2.1	47	14.9
LRCL05C01	8465.2	2-year	Trapezoidal	1	30	27.5	923.07	922.75	1.163	0	-0.1	315	10.5
		5-year								3	1.3	315	10.5
		10-year								3	1.1	315	10.5
		25-year								3	1.5	315	10.5
		50-year								3	1.1	315	10.5
		100-year								3	1.2	315	10.5
LRCL0601	LRCL0601	2-year	Natural	14	0	970.5	930.25	883.93	4.773	14	1.1	99089	37.5
		o-year								20	0.9	99089	37.5
		25-vear								24 20	0.8 0 R	99089	37.5
		50-vear								23	0.8	99089	37.5
		100-year								38	0.7	99089	37.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0602	8188 1	2-vear	Circular	2	0	100.2	932.84	930.25	1 300	14	84	24	76
LINGLOODE	0100.1	5-vear	onoului	-		100.2	002.01	000.20	1.000	18	9.7	24	7.6
		10-year								19	9.9	24	7.6
		25-year								20	10.1	24	7.6
		50-year								20	10.2	24	7.6
		100-year								21	10.3	24	7.6
LRCL0602	8188.2	2-year	Trapezoidal	1	30	199.2	936.76	936.56	0.100	0	0.0	297	2.3
		5-year								2	0.6	297	2.3
		10-year								5	0.9	297	2.3
		25-year								10	1.1	297	2.3
		50-year								13	1.2	297	2.3
	0107 1	2 voor	Circular	2	0	22.4	022 72	022.94	2 717	10	1.3	297	2.3
LKCL0003	0107.1	2-year 5-year	Circular	2	0	32.4	933.72	932.04	2.717	13	6.3	35	11.0
		10-vear								10	6.3	35	11.0
		25-vear								10	6.3	35	11.0
		50-year								19	6.4	35	11.0
		100-year								19	6.4	35	11.0
LRCL0603	8187.2	2-year	Trapezoidal	1	30	32.4	936.97	936.76	0.648	0	0.0	246	8.2
		5-year								5	1.6	246	8.2
		10-year								9	2.0	246	8.2
		25-year								15	2.4	246	8.2
		50-year								19	2.7	246	8.2
		100-year								24	3.0	246	8.2
LRCL0701	LRCL0701	2-year	Natural	14.5	0	1532.4	923.99	887.50	2.381	42	0.3	168194	29.2
		5-year								63	0.3	168194	29.2
		10-year								74	0.3	168194	29.2
		25-year								90	0.3	169104	29.2
		100-year								101	0.3	168194	29.2
L RCL 0702	RCI 07024	2-vear	Circular	2	0	37.0	926.03	923.99	5 521	33	18.2	49	15.7
LIKELOTOZ	ROLOTOZA	5-year	Circular	2	0	57.0	320.03	323.33	5.521	36	18.3	49	15.7
		10-year								37	20.3	49	15.7
		25-year								39	18.6	49	15.7
		50-year								40	18.8	49	15.7
		100-year								41	19.1	49	15.7
LRCL0702	RCL0702B	2-year	Trapezoidal	1	30	37.0	928.03	925.99	5.521	17	5.4	717	23.9
		5-year								35	7.3	717	23.9
		10-year								46	8.1	717	23.9
		25-year								61	9.1	717	23.9
		50-year								72	9.7	717	23.9
		100-year	Natural			005 5	000.00	000.00	1.001	87	10.5	717	23.9
LRCL0703	LRCL0703	2-year	Natural	3	0	385.5	933.09	926.03	1.831	23	1.5	1334	7.9
		J-year								32	1.3	1334	7.9
		25-year								30 46	0.9	1334	7.9 7 Q
		50-year								51	1.2	1334	7.9
		100-year								58	3.5	1334	7.9
LRCL0704	RCL0704A	2-year	Special	4	4	31.5	933.40	933.09	0.985	23	10.8	64	8.6
		5-year								32	12.3	64	8.6
		10-year								38	13.1	64	8.6
		25-year								46	14.0	64	8.6
		50-year								51	14.6	64	8.6
		100-year								59	15.4	64	8.6
LRCL0704	RCL0704B	2-year	Trapezoidal	1	30	31.5	935.09	935.06	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
		roo-year								U	0.0	94	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	2.6	()	226.5	027.17	022.40	1 155	(0.0)	(2029	(
LIKELUTUS	ERCEOTOS	5-year	Naturai	2.0	0	520.5	337.17	333.40	1.155	13	0.3	2928	7.9
		10-year								21	0.3	2928	7.9
		25-year								25	0.4	2928	7.9
		50-year								28	0.4	2928	7.9
		100-year								32	0.4	2928	7.9
LRCL0706	8015.1	2-year	Special	3.5	3.5	86.9	938.17	937.17	1.151	13	8.4	56	8.9
		5-year								18	9.4	56	8.9
		10-year								21	9.9	56	8.9
		25-year								25	10.5	56	8.9
		100-year								20	10.9	56	0.9 8 9
L RCL 0706	8015.2	2-vear	Tranezoidal	1	30	86.9	943.84	943 33	0 587	0	0.0	234	7.8
LINGLOVED	0010.2	5-vear	Trapozoidai			00.0	0 10.0 1	0 10.00	0.007	0	0.0	234	7.8
		10-year								0	0.0	234	7.8
		25-year								0	0.0	234	7.8
		50-year								0	0.0	234	7.8
		100-year								0	0.0	234	7.8
LRCL0707	8297.1	2-year	Special	3.83	3.83	53.3	939.50	938.17	2.498	13	6.4	101	13.7
		5-year								18	7.0	101	13.7
		10-year								21	7.5	101	13.7
		25-year								25	7.9	101	13.7
		50-year								28	8.1	101	13.7
	0007.0	100-year	Tana ana islat			50.0	044.00	0.40.0.4	4.050	32	8.4	101	13.7
LRCL0707	8297.2	2-year	Trapezoidal	1	30	53.3	944.83	943.84	1.859	0	0.0	416	13.9
		5-year								0	0.0	416	13.9
		25-vear								0	0.0	410	13.9
		50-year								0	0.0	416	13.9
		100-year								0	0.0	416	13.9
LRCL0800	LRCL0800	2-year	Natural	16	0	350.0	897.63	895.30	0.667	181	2.5	199347	14.5
		5-year								295	2.7	199347	14.5
		10-year								381	2.8	199347	14.5
		25-year								489	2.9	199347	14.5
		50-year								563	2.8	199347	14.5
		100-year								668	2.5	199347	14.5
LRCL0801	LRCL0801	2-year	Natural	16	0	752.1	902.65	897.63	0.667	169	4.0	199331	14.5
		5-year								267	4.3	199331	14.5
		10-year								343	4.5	199331	14.5
		50-vear								430 501	4.7	199331	14.5
		100-vear								590	4.9	199331	14.5
LRCL0802	LRCL0802	2-year	Natural	10	0	1090.3	907.39	902.65	0.435	136	0.7	44801	7.6
		5-year								196	0.7	44801	7.6
		10-year								234	0.8	44801	7.6
		25-year								285	0.8	44801	7.6
		50-year								321	0.8	44801	7.6
		100-year								365	0.8	44801	7.6
LRCL0803	RCL0803A	2-year	Rectangular	3	8	52.2	907.62	907.39	0.441	121	14.2	179	7.5
		5-year								172	16.8	179	7.5
		10-year								203	18.2	179	7.5
		25-year								244	19.8	179	7.5
		50-year								2/2	20.8	179	/.5 7 r
		2-vear	Trapezoidal	4	20	50.0	Q11 00	Q10 0F	0 100	310	22.3	1/9	7.5 2.4
	NOL0003B	5-vear	Tapezulual		30	52.2	311.00	910.90	0.100	0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(()	337.1	907.67	907.62	0.015	121	((0.0)	(.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
LICEU004	LICEU004	5-year	Naturai		0	337.1	307.07	307.02	0.013	173	1.0	433	0.9
		10-year								203	1.0	433	0.9
		25-year								244	1.1	433	0.9
		50-year								273	1.1	433	0.9
		100-year								316	1.1	433	0.9
LRCL0805	RCL0805A	2-year	Rectangular	3	8	48.8	907.68	907.67	0.021	122	5.9	39	1.6
		5-year								173	7.2	39	1.6
		10-year								204	8.0	39	1.6
		50-vear								245	9.5	39	1.0
		100-year								317	12.7	39	1.6
LRCL0805	RCL0805B	2-year	Trapezoidal	1	30	48.8	912.00	911.95	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3
LRCL0806	RCL0806A	2-year	Rectangular	3	8	109.8	908.89	907.68	1.102	119	7.1	283	11.8
		5-year								109	8.0	283	11.8
		25-year								239	9.5	283	11.8
		50-year								252	9.9	283	11.8
		100-year								250	10.4	283	11.8
LRCL0806	RCL0806B	2-year	Trapezoidal	2	30	109.8	912.11	912.00	0.100	0	0.0	294	4.9
		5-year								0	0.0	294	4.9
		10-year								0	0.0	294	4.9
		25-year								0	0.0	294	4.9
		50-year								21	2.2	294	4.9
		100-year	Tranazaidal	F	6	140.0	000.44	008.80	0.200	117	3.5	294	4.9
LKCL0607	LRCL0007	z-year 5-year	Паредоциа	5	0	140.9	909.44	906.69	0.390	166	4.0	1006	6.0
		10-vear								196	4.0	1006	6.0
		25-year								235	3.9	1006	6.0
		50-year								264	3.9	1006	6.0
		100-year								305	3.9	1006	6.0
LRCL0808	RCL0808A	2-year	Rectangular	3	8	46.6	909.62	909.44	0.386	117	7.4	168	7.0
		5-year								166	8.9	168	7.0
		10-year								196	9.7	168	7.0
		25-year								235	10.1	168	7.0
		100-vear								305	12.2	168	7.0
LRCL0808	RCL0808B	2-year	Trapezoidal	1	30	46.6	914.00	913.95	0.100	0	0.0	100	3.3
		5-year								0	0.0	100	3.3
		10-year								0	0.0	100	3.3
		25-year								0	0.0	100	3.3
		50-year								0	0.0	100	3.3
		100-year	Treeses	-	-	107.0	000.00	000.00	0.000	0	0.0	100	3.3
LKCL0809	LKCL0809	∠-year 5-vear	i rapezoidal	5	2	127.9	909.88	909.62	0.203	116	4.4	612	5.0
		10-vear								104	4.7 4.8	612	5.0
		25-year								233	4.9	612	5.0
		50-year								262	4.9	612	5.0
		100-year								302	4.8	612	5.0
LRCL0810	RCL0810A	2-year	Rectangular	3.5	6	80.9	910.32	909.88	0.544	116	8.2	176	8.4
		5-year								164	9.9	176	8.4
		10-year								193	10.8	176	8.4
		25-year								233	11.6	176	8.4
		100-year								302	13.8	176	0.4 8 4
	1		1	1	1	1	1			502	10.0	170	0.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0810	RCI 0810B	2-vear	Trapezoidal	1	30	80.9	916.00	915 92	0 100	0	0.0	96	32
LINGLOOTO	ROLOOTOD	5-vear	Trapozolaal			00.0	010.00	010.02	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LRCL0811	LRCL0811	2-year	Trapezoidal	5.5	5	77.3	911.15	910.32	1.073	116	6.9	1015	10.6
		5-year								164	5.9	1015	10.6
		10-year								193	6.1	1015	10.6
		25-year								233	6.2	1015	10.6
		100-year								302	6.2	1015	10.6
LRCL0812	RCL0812A	2-vear	Rectangular	3.5	6	47.0	911.54	911.15	0.829	116	9.8	217	10.3
		5-year	<u> </u>							164	11.4	217	10.3
		10-year								193	12.3	217	10.3
		25-year								233	13.1	217	10.3
		50-year								262	13.2	217	10.3
		100-year								302	13.2	217	10.3
LRCL0812	RCL0812B	2-year	Trapezoidal	1	30	47.0	916.00	915.95	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LRCL0813	LRCL0813	2-vear	Trapezoidal	6	2	60.5	911.90	911.54	0.595	104	5.3	1102	8.0
211020010	2.1020010	5-year	riapozoidai				011100	011101	0.000	148	5.5	1102	8.0
		10-year								174	5.6	1102	8.0
		25-year								207	5.7	1102	8.0
		50-year								237	5.7	1102	8.0
		100-year								269	5.7	1102	8.0
LRCL0814	LRCL0814	2-year	Trapezoidal	5	2	129.6	913.31	911.90	1.088	82	4.5	937	9.6
		5-year								119	4.9	937	9.6
		10-year								140	5.1	937	9.6
		50-year								102	5.4	937	9.0
		100-vear								219	5.6	937	9.6
LRCL0815	RCL0815A	2-vear	Rectangular	3	5	128.5	913.50	913.31	0.148	58	5.9	59	3.9
		5-year	<u> </u>							84	7.1	59	3.9
		10-year								99	7.7	59	3.9
		25-year								120	8.4	59	3.9
		50-year								140	9.4	59	3.9
		100-year								156	10.7	59	3.9
LRCL0815	RCL0815B	2-year	Trapezoidal	1	30	128.5	918.77	918.64	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		50-vear								0	0.0	97 97	3.2
		100-vear								0	0.0	97	3.2
LRCL0817	LRCL0817	2-year	Natural	4	8	206.0	917.36	913.50	1.874	2	0.2	3976	11.4
		5-year								3	0.2	3976	11.4
		10-year								4	0.2	3976	11.4
		25-year								4	0.2	3976	11.4
		50-year								5	0.2	3976	11.4
		100-year						- 15 - F		5	0.2	3976	11.4
LRCL0818	8484.1	2-year	Circular	4	0	42.1	917.40	917.36	0.095	1	3.3	41	3.3
		p-year								2	3.3	41	3.3
		25-vear								2	3.5 २.9	41 41	3.3 २२
		50-vear								2	4 0	41	3.3
		100-year								3	4.2	41	3.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8484.2	2-vear	Trapezoidal	(30	42.1	022.00	021.06	0.100	(0.0)	0.0	0/	(
LINCLUGIO	0404.2	5-year	Паредонал			42.1	322.00	321.30	0.100	0	0.0		3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LRCL0821	RCL0821A	2-year	Circular	3	0	52.8	913.39	913.31	0.151	24	5.1	24	3.4
		5-year								35	6.1	24	3.4
		10-year								42	6.8	24	3.4
		50-vear								50	7.5	24	3.4
		100-year								64	8.9	24	3.4
LRCL0821	RCL0821B	2-year	Trapezoidal	1	30	52.8	918.69	918.64	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LRCL08A01	LRCL08A01	2-year	Natural	11	0	41.0	903.90	902.65	3.047	68	1.0	161855	26.4
		5-year								138	1.0	161855	26.4
		25-vear								228	1.1	161855	26.4
		50-vear								263	3.2	161855	26.4
		100-year								314	3.3	161855	26.4
LRCL08A02	LRCL08A02	2-year	Natural	5	0	1453.0	915.00	903.90	0.764	52	0.5	20147	9.7
		5-year								63	0.5	20147	9.7
		10-year								71	0.4	20147	9.7
		25-year								87	0.4	20147	9.7
		50-year								99	0.4	20147	9.7
	0011.1	100-year	0			000.0	045 70	045.00	0.000	119	0.5	20147	9.7
LRCL08A03	8011.1	2-year	Special	4	4	286.2	915.76	915.00	0.266	27	7.0	33	4.5
		10-vear								35	8.2	33	4.5
		25-year								36	8.5	33	4.5
		50-year								37	8.6	33	4.5
		100-year								38	8.8	33	4.5
LRCL08A03	8011.2	2-year	Trapezoidal	1	30	286.2	919.76	919.47	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								5	1.1	96	3.2
		25-year								21	2.0	96	3.2
		100-year								52	2.5	90	3.2
	8639 1	2-vear	Special	Δ	Δ	79 0	916 17	915 76	0 513		3.0 4 3	90 26	5.2 6.2
	0000.1	5-year	opoola	+		15.5	010.17	010.70	0.010	33	4.4	46	6.2
		10-year								39	5.2	46	6.2
		25-year								47	6.3	46	6.2
		50-year								54	7.2	46	6.2
		100-year								64	8.6	46	6.2
LRCL08A04	8639.2	2-year	Trapezoidal	3	30	79.9	922.00	919.76	2.805	0	0.0	2947	32.7
		5-year								0	0.0	2947	32.7
		10-year								0	0.0	2947	32.7
		50-year								0	0.0	2947 2947	32.7
		100-year								0	0.0	2947	32.7
LRCL08A05	8638.1	2-year	Rectangular	3	5	50.1	916.42	916.17	0.499	55	6.4	108	7.2
		- 5-year								66	6.5	108	7.2
		10-year								78	6.6	108	7.2
		25-year								94	6.6	108	7.2
		50-year								108	7.2	108	7.2
		100-year								128	8.5	108	7.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8638.2	2-vear	Circular	(,	30	50.1	022 42	922.00	0.838	()	0.0	(0.0)	30
EROLOOAGO	0000.2	5-vear	Oncular			50.1	522.42	522.00	0.000	0	0.0	3	3.9
		10-year								0	0.0	3	3.9
		25-year								0	0.0	3	3.9
		50-year								0	0.0	3	3.9
		100-year								0	0.0	3	3.9
LRCL08A06	LRCL08A06	2-year	Trapezoidal	6	8	290.5	924.35	916.42	2.729	22	1.2	15432	37.8
		5-year								30	1.3	15432	37.8
		10-year								33	1.3	15432	37.8
		25-year								30	1.3	15432	37.8
		100-year								56	1.3	15432	37.8
LRCL08A07	RCL08A07A	2-vear	Circular	2.67	0	38.7	924.60	924.35	0.646	22	8.7	21	3.8
		5-year								30	9.9	21	3.8
		10-year								33	10.1	21	3.8
		25-year								36	10.9	21	3.8
		50-year								38	11.4	21	3.8
		100-year								40	11.7	21	3.8
LRCL08A07	RCL08A07B	2-year	Trapezoidal	3	30	38.7	928.00	927.96	0.100	0	0.0	566	6.3
		5-year								0	0.0	566	6.3
		10-year								0	0.0	566	6.3
		25-year								0	0.0	566	6.3
		100-year								17	22	566	6.3
L RCL 08A08	L RCI 08A08	2-vear	Trapezoidal	4	12	240.0	926.00	924 60	0.583	23	1 1	2078	14.4
LINGEGONICO	LINGLOGINGO	5-vear	Trapozolaal			210.0	020.00	021.00	0.000	35	1.2	2078	14.4
		10-year								45	1.3	2078	14.4
		25-year								54	1.3	2078	14.4
		50-year								59	1.4	2078	14.4
		100-year								61	1.4	2078	14.4
LRCL08A09	RCL08A09A	2-year	Circular	2.5	0	62.6	928.00	926.00	3.197	23	9.5	40	8.1
		5-year								32	10.3	40	8.1
		10-year								36	10.5	40	8.1
		25-year								41	10.5	40	8.1
		100-year								43	10.0	40	8.1
LRCL08A09	RCL08A09B	2-vear	Trapezoidal	1	30	62.6	930.00	929.94	0.100	.0	0.0	94	3.1
		5-year								1	0.6	94	3.1
		10-year								3	1.0	94	3.1
		25-year								7	1.5	94	3.1
		50-year								9	1.6	94	3.1
		100-year								14	1.9	94	3.1
LRCL08B01	8216.1	2-year	Circular	2	0	181.4	907.71	907.68	0.017	4	6.7	3	0.9
		5-year								5	7.3	3	0.9
		10-year								6	1.9	3	0.9
		∠o-year 50-vear								/ 	2.2	3	0.9
		100-vear								14	4.6	3	0.9
LRCL08B01	8216.2	2-year	Trapezoidal	1	30	181.4	912.18	912.00	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LRCL08B02	8394.1	2-year	Circular	2	0	172.4	908.33	907.71	0.360	4	2.2	13	4.0
		5-year								5	1.6	13	4.0
		25-vear								6	4.0	13	4.0
		50-vear								י פ	2.2	13	4.0
		100-year								13	4.1	13	4.0
		, ,,	Ē			ŭ							

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9204.2	2 voor	Tranazaidal	()	20	172.4	014.00	011 29	1 520	(0.0)	(276	(
LICEUODOZ	0334.2	5-year	Паредонал			172.4	314.00	311.50	1.520	0	0.0	376	12.5
		10-year								0	0.0	376	12.5
		25-year								0	0.0	376	12.5
		50-year								0	0.0	376	12.5
		100-year								0	0.0	376	12.5
LRCL08B03	8221.1	2-year	Circular	2	0	133.4	911.45	908.33	2.340	4	3.2	32	10.2
		5-year								5	3.3	32	10.2
		10-year								6	3.3	32	10.2
		50-vear								7	3.7	32	10.2
		100-year								9	4.6	32	10.2
LRCL08B03	8221.2	2-year	Trapezoidal	1	30	133.4	915.70	914.00	1.275	0	0.0	344	11.5
		5-year								0	0.0	344	11.5
		10-year								0	0.0	344	11.5
		25-year								0	0.0	344	11.5
		50-year								0	0.0	344	11.5
		100-year								0	0.0	344	11.5
LRCL08C01	8010.1	2-year	Rectangular	4	6	137.6	912.08	911.54	0.392	29	3.3	180	7.5
		5-year								41	3.7	180	7.5
		25-vear								58	4.0	180	7.5
		50-vear								65	4.2	180	7.5
		100-year								74	4.2	180	7.5
LRCL08C01	8010.2	2-year	Trapezoidal	1	30	137.6	918.72	916.00	1.977	0	0.0	429	14.3
		5-year								0	0.0	429	14.3
		10-year								0	0.0	429	14.3
		25-year								0	0.0	429	14.3
		50-year								0	0.0	429	14.3
	0500.4	100-year	0		0.5	74.0	040.00	040.00	0.404	0	0.0	429	14.3
LRCL08C02	8569.1	2-year	Special	4	2.5	74.8	912.38	912.08	0.401	29	9.4	41	5.5
		10-vear								41	10.1	41	5.5
		25-year								58	10.7	41	5.5
		50-year								65	11.0	41	5.5
		100-year								74	11.2	41	5.5
LRCL08C02	8569.2	2-year	Trapezoidal	1	30	74.8	916.38	918.72	-3.127	0	0.0	539	18.0
		5-year								0	0.0	539	18.0
		10-year								0	0.0	539	18.0
		25-year								0	0.0	539	18.0
		100-year								0	0.0	539	18.0
LRCL08C03	8570 1	2-vear	Special	4	25	260 5	914 88	912 38	0.960	29	8.0	63	8.5
2	5575.1	5-year	Special	+	2.0	200.0	011.00	012.00	0.000	41	8.8	63	8.5
		10-year								48	9.1	63	8.5
		25-year								58	9.4	63	8.5
		50-year								65	9.6	63	8.5
		100-year								74	10.0	63	8.5
LRCL08C03	8570.2	2-year	Trapezoidal	1	30	260.5	921.00	916.38	1.774	0	0.0	406	13.5
		5-year								0	0.0	406	13.5
		10-year								0	0.0	406	13.5
		50-year								0	0.0	406	13.5
		100-year								0	0.0	406	13.5
LRCL08C04	RCL08C04A	2-year	Special	4	2.5	106.3	917.77	914.88	2.718	29	10.3	106	14.3
		- 5-year								41	11.1	106	14.3
		10-year								48	11.4	106	14.3
		25-year								58	11.7	106	14.3
		50-year								65	11.9	106	14.3
		100-year								74	11.9	106	14.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Trapezoidal	(.001)	30	106.3	021 77	921.00	0.724	(0.0)	0.0	260	(.pc) 8 7
LICEUGCO4	ICE00C04D	5-year	Паредонал			100.5	521.77	321.00	0.724	0	0.0	200	8.7
		10-year								0	0.0	260	8.7
		25-year								0	0.0	260	8.7
		50-year								0	0.0	260	8.7
		100-year								0	0.0	260	8.7
LRCL08D01	8009.1	2-year	Special	4.17	4.17	124.0	912.34	911.90	0.355	41	5.6	48	5.5
		5-year								59	6.9	48	5.5
		10-year								69	7.8	48	5.5
		25-year								82	9.3	48	5.5
		100-vear								99	11.2	48	5.5
LRCL08D01	8009.2	2-year	Trapezoidal	1	30	124.0	917.09	916.07	0.823	0	0.0	277	9.2
		5-year								0	0.0	277	9.2
		10-year								0	0.0	277	9.2
		25-year								0	0.0	277	9.2
		50-year								0	0.0	277	9.2
100100-11		100-year					a : = :	a · = ·		12	2.7	277	9.2
LRCL08D02	8220.1	2-year	Circular	2	0	73.3	913.31	912.34	1.323	40	12.9	24	7.7
		o-year								45	14.1	24	1.7
		25-vear								43	13.9	24	7.7
		50-vear								44	13.7	24	7.7
		100-year								43	13.5	24	7.7
LRCL08D02	8220.2	2-year	Trapezoidal	1	30	73.3	917.64	917.09	0.750	0	0.0	264	8.8
		5-year								16	2.9	264	8.8
		10-year								29	3.7	264	8.8
		25-year								47	4.5	264	8.8
		50-year								62	5.0	264	8.8
	00404	100-year	o:			10.0			0.001	81	5.6	264	8.8
LRCL08D03	8219.1	2-year	Circular	2	0	18.9	914.03	913.31	3.801	40	12.7	33	10.4
		5-year 10-vear								39	12.0	33	10.4
		25-vear								39	12.3	33	10.4
		50-year								38	12.2	33	10.4
		100-year								38	12.1	33	10.4
LRCL08D03	8219.2	2-year	Trapezoidal	1	30	18.9	917.86	917.64	1.162	2	1.3	261	8.7
		5-year								35	4.0	261	8.7
		10-year								46	4.4	261	8.7
		25-year								61	4.9	261	8.7
		50-year								71 05	5.3	261	8.7
	8218 1	2-vear	Circular	2	0	11.0	Q1/1 17	91/1 02	0 317	00 25	0.0 11.0	201 10	0.7 2 0
	0210.1	5-year	Ulfuldi	2	0	44.2	314.17	314.03	0.317	35	11.0	12	3.8
		10-year								34	10.9	12	3.8
		25-year								34	10.8	12	3.8
		50-year								34	10.6	12	3.8
		100-year								33	10.5	12	3.8
LRCL08D04	8218.2	2-year	Trapezoidal	1	30	44.2	918.00	917.86	0.317	21	2.7	172	5.7
		5-year								42	3.4	172	5.7
		10-year								52	3.7	172	5.7
		∠5-year								65	4.0	1/2	5.7
		100-year								/4 87	4.2	172	5.7
LRCL08D05	8217.1	2-year	Circular	2	Λ	308.2	915 51	914.17	0.435	1.9		14	4 4
		5-year				200.2	2.0.01		5	19	6.4	14	4.4
		10-year								19	6.4	14	4.4
		25-year								19	6.4	14	4.4
		50-year								19	6.4	14	4.4
		100-year								19	6.4	14	4.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL08D05	8217.2	2-vear	Trapezoidal	2	30	308.2	918 18	918.00	0.058	32	23	225	37
LINGEGODOG	02111.2	5-vear	Trapozoidai		00	000.2	010.10	010.00	0.000	49	2.7	225	3.7
		10-year								59	3.0	225	3.7
		25-year								72	3.2	225	3.7
		50-year								82	3.4	225	3.7
		100-year								95	3.6	225	3.7
LRCL1001	LRCL1001	2-year	Natural	10	0	807.4	915.58	907.50	1.001	182	1.5	119790	14.9
		5-year								272	1.5	119790	14.9
		10-year								327	1.5	119790	14.9
		25-year								401	1.4	119790	14.9
		100-year								528	1.4	119790	14.9
L RCI 1101	L RCI 1101	2-vear	Natural	10	0	2722 9	938.00	915.00	0 845	139	2.2	102271	14.0
ERGEITOT	ERGETTOT	5-vear	Induitai	10	0	2122.5	000.00	313.00	0.040	223	2.4	102271	14.0
		10-year								274	2.5	102271	14.0
		25-year								344	2.5	102271	14.0
		50-year								397	2.6	102271	14.0
		100-year								471	2.6	102271	14.0
LRCL1201	LRCL1201	2-year	Natural	12	0	587.1	918.00	916.50	0.255	284	1.4	41938	7.4
		5-year								424	1.3	41938	7.4
		10-year								514	1.2	41938	7.4
		25-year								627	1.0	41938	7.4
		50-year								703	0.9	41938	7.4
		100-year								836	0.8	41938	7.4
LRCL1202	LRCL1202	2-year	Natural	10	0	2002.6	930.00	918.00	0.599	178	2.2	30483	11.5
		5-year								2/3	2.4	30483	11.5
		25-vear								416	2.0	30483	11.5
		50-vear								480	2.7	30483	11.5
		100-year								564	2.8	30483	11.5
LRCL1203	LRCL1203	2-vear	Natural	10	0	2722.2	946.61	930.00	0.610	251	1.3	91364	13.3
		5-year								360	1.5	91364	13.3
		10-year								426	1.6	91364	13.3
		25-year								514	1.6	91364	13.3
		50-year								580	1.7	91364	13.3
		100-year								667	1.8	91364	13.3
LRCL1300	LRCL1300	2-year	Natural	10	0	1000.0	922.15	918.00	0.415	538	2.2	44724	10.6
		5-year								1022	2.7	44724	10.6
		10-year								1309	3.0	44724	10.6
		25-year								1715	3.3	44724	10.6
		100-year								2020	3.5	44724	10.6
L RCI 1301	L RCI 1301	2-vear	Natural	10	0	4057 7	930 00	922 15	0 415	<u>1947</u> <u>1</u> 81	3.7 2.6	70058	10.0
LICEIGUI	LICEIGUI	5-year		10	0	+001.1	555.00	522.15	0.415	886	3.1	70058	10.1
		10-vear								1157	3.4	70058	10.1
		25-year								1550	3.7	70058	10.1
		50-year								1845	3.9	70058	10.1
		100-year								2259	4.1	70058	10.1
LRCL1302	LRCL1302	2-year	Natural	13	0	2557.4	950.00	939.00	0.430	194	2.7	84153	10.6
		5-year								391	3.2	84153	10.6
		10-year								522	3.5	84153	10.6
		25-year								712	3.7	84153	10.6
		50-year								857	3.9	84153	10.6
		100-year								1058	4.1	84153	10.6
LRCL1303	LRCL1303	2-year	Natural	20	0	1326.8	960.00	950.00	0.754	206	1.1	273046	18.7
		5-year								357	1.4	2/3046	18.7
		10-year								454	1.5	273046	18.7
		20-year								602	1.7	273046	10.7
		100-vear								831	1.0	273046	18.7
	1			1	1					001		2.0070	10.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(.001)	()	2253.8	950.00	030.00	0.488	171	2.4	80668	(
ERCEISAU	ERCEISAUT	5-year	Inatural	12	0	2200.0	330.00	333.00	0.400	306	2.4	80668	11.5
		10-year								392	3.0	80668	11.5
		25-year								510	3.2	80668	11.5
		50-year								600	3.3	80668	11.5
		100-year								720	3.5	80668	11.5
LRCL1400	LRCL1400	2-year	Natural	12	0	1000.0	926.46	921.00	0.546	404	2.2	138419	13.7
		5-year								615	2.3	138419	13.7
		10-year								757	2.3	138419	13.7
		25-year								1096	2.3	138419	13.7
		100-year								1267	2.3	138419	13.7
L RCI 1401	L RCI 1401	2-vear	Natural	12	0	2111.9	938.00	926 46	0.546	339	2.5	172958	10.7
ERGEITOT	ERGETION	5-year	Hatara	12		2111.0	000.00	020.10	0.010	549	2.8	172958	12.7
		10-year								673	3.0	172958	12.7
		25-year								847	3.1	172958	12.7
		50-year								981	3.3	172958	12.7
		100-year								1159	3.4	172958	12.7
LRCL1402	LRCL1402	2-year	Natural	12	0	1428.5	940.00	938.00	0.140	253	1.6	66469	6.1
		5-year								412	1.9	66469	6.1
		10-year								509	2.0	66469	6.1
		25-year								640	2.1	66469	6.1
		100-year								739 873	2.2	66469	6.1
	L PCI 1501	2-vear	Natural	10	0	3017 /	940.00	023 53	0.546	226	2.3	8603	12.7
ERGEISUI	LKCL1501	2-year 5-year	Indiurai	10	0	3017.4	940.00	923.55	0.540	326		8603	12.7
		10-vear								385	4.3	8603	12.7
		25-year								465	4.5	8603	12.7
		50-year								524	4.6	8603	12.7
		100-year								602	4.8	8603	12.7
LRCL1601	LRCL1601	2-year	Natural	12	0	1865.7	937.17	932.00	0.277	776	2.7	107754	7.9
		5-year								1216	2.9	107754	7.9
		10-year								1486	3.0	107754	7.9
		25-year								1857	3.2	107754	7.9
		50-year								1952	3.0	107754	7.9
L PCI 1602	L PCI 1602	2 voor	Natural	10	0	1416.4	040.00	027 17	0.200	2304	3.0	107754	7.9
LKCL1002	LKCL1002	5-vear	Indiurai	10	0	1410.4	940.00	937.17	0.200	589	2.0	45272	6.6
		10-vear								712	2.2	45272	6.6
		25-year								886	2.3	45272	6.6
		50-year								1016	2.1	45272	6.6
		100-year								1185	2.2	45272	6.6
LRCL1603	LRCL1603	2-year	Natural	10	0	3567.4	954.00	940.00	0.392	303	1.7	119848	8.9
		5-year								452	1.8	119848	8.9
		10-year								549	1.9	119848	8.9
		25-year								677	2.0	119848	8.9
		50-year								771	2.0	119848	8.9
		2 voor	Notural	45		2654.0	066 70	054.00	0 470	895	2.1	71422	8.9
LRGL1004	LKCL1004	2-year	เงลเนเสเ	15	0	2054.6	900.72	954.00	0.479	264	∠.9 २.२	71432	12.7
		10-vear								316	3.4	71432	12.7
		25-year								386	3.6	71432	12.7
		50-year								439	3.7	71432	12.7
		100-year								507	3.8	71432	12.7
LRCL16A00	LRCL16A00	2-year	Natural	12	0	896.0	938.63	937.17	0.163	180	1.7	82118	6.1
		5-year								288	2.0	82118	6.1
		10-year								346	2.1	82118	6.1
		25-year								419	2.2	82118	6.1
		50-year								514	1.9	82118	6.1
		100-year								623	1.9	82118	6.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCI 16A01	L RCI 16401	2-vear	Natural	12	0	4868.5	960.00	938.63	0 439	123	13	164395	10.8
ERGETORI	ERGETOROT	5-vear	Naturai	12	0	4000.0	300.00	330.03	0.400	123	1.3	164395	10.8
		10-year								229	1.4	164395	10.8
		25-year								287	1.4	164395	10.8
		50-year								330	1.4	164395	10.8
		100-year								385	1.5	164395	10.8
LRCL1701	LRCL1701	2-year	Natural	12	0	3961.1	950.00	938.00	0.303	304	1.2	92670	9.0
		5-year								504	1.2	92670	9.0
		10-year								610	1.2	92670	9.0
		25-year								746	1.2	92670	9.0
		100-year								000 004	1.1	92670	9.0
L RCI 1702	L RCI 1702	2-vear	Natural	16	0	1452 0	956.00	950.00	0 413	207	22	247849	11.4
ERGEITGE	LIKOLIYOL	5-year	Hatara	10		1102.0	000.00	000.00	0.110	320	2.5	247849	11.4
		10-year								389	2.7	247849	11.4
		25-year								477	2.8	247849	11.4
		50-year								547	2.9	247849	11.4
		100-year								639	3.0	247849	11.4
LRCL1703	LRCL1703	2-year	Natural	13	0	1226.0	960.69	956.00	0.383	160	1.5	239234	12.2
		5-year								249	1.7	239234	12.2
		10-year								306	1.6	239234	12.2
		25-year								382	1.7	239234	12.2
		50-year								439 522	1.7	239234	12.2
L PCI 1801	L PCI 1801	2-vear	Natural	10	0	1020.7	954.00	948.00	0 583	182	0.3	6/027	12.2
LKCL1601	LINCE 1001	2-year 5-year	Indiurai	10	0	1029.7	954.00	940.00	0.565	273	0.3	64927	14.0
		10-vear								328	0.1	64927	14.0
		25-year								401	0.4	64927	14.0
		50-year								456	0.5	64927	14.0
		100-year								529	0.5	64927	14.0
LRCL1901	LRCL1901	2-year	Natural	20	0	1524.2	974.66	960.93	0.901	286	3.3	525958	19.2
		5-year								429	3.5	525958	19.2
		10-year								517	3.5	525958	19.2
		25-year								636	3.6	525958	19.2
		50-year								723	3.6	525958	19.2
L RCI 2001	L RCI 2001	2-vear	Natural	15	0	10/2 7	976.00	971.06	0.254	040 458	2.4	150572	19.2
LINCL2001	LINCE2001	5-vear	Inatural	15	0	1342.7	370.00	371.00	0.234	749	2.4	159572	8.8
		10-vear								914	2.7	159572	8.8
		25-year								993	2.6	159572	8.8
		50-year								1137	2.7	159572	8.8
		100-year								1339	2.7	159572	8.8
LRCL2002	LRCL2002	2-year	Natural	20	0	2622.4	990.00	976.00	0.534	232	3.9	76289	13.1
		5-year								356	4.7	76289	13.1
		10-year								429	4.9	76289	13.1
		25-year								540	5.3	76289	13.1
		50-year								619 722	5.5	76289	13.1
RCI 001	LRCI 001	2-vear	Natural	20	0	85/1 1	912 00	904 70	0 850	123	0.8 1 0	650262	13.1
LINGLOUI	LIXOLOUT	5-vear	ivaluidi	20	0	004.1	312.00	304.72	0.052	328	1.9	650262	17.7
		10-year								389	1.9	650262	17.7
		25-year								470	1.8	650262	17.7
		50-year								531	1.7	650262	17.7
		100-year								611	1.7	650262	17.7
LRCMC01	LRCMC01	2-year	Natural	20	0	1662.4	873.76	871.75	0.121	2412	5.7	42622	5.3
		5-year								4142	6.2	42622	5.3
		10-year								5233	6.4	42622	5.3
		25-year								6745	6.5	42622	5.3
		50-year								/874	6.5	42622	5.3
		100-year								9548	6.5	42622	5.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Licor Dofined	()	()	44.0	072.00	072.76	0.001	2407	((0.0)	(
LICENICOZ	ICONICO2A	5-year	User Denned	0	0	44.0	075.00	075.70	0.031	4138	6.3	0	3.7
		10-year								5221	7.1	0	3.7
		25-year								6739	7.4	0	3.7
		50-year								7861	8.0	0	3.7
		100-year								9534	9.0	0	3.7
LRCMC02	RCMC02B	2-year	Trapezoidal	1	30	44.0	890.00	889.96	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		100-year								0	0.0	92	3.1
LRCMC03	LRCMC03	2-vear	Natural	18	0	50.1	873 84	873.80	0.080	2407	4.3	10966	6.9
	Litomoto	5-vear	Hatara	10		00.1	010.01	010.00	0.000	4137	5.2	10966	6.9
		10-year								5220	5.7	10966	6.9
		25-year								6738	6.0	10966	6.9
		50-year								7860	6.4	10966	6.9
		100-year								9533	6.8	10966	6.9
LRCMC04	LRCMC04	2-year	Natural	18	0	261.5	874.54	873.84	0.267	2402	5.5	30360	10.8
		5-year								4146	5.5	30360	10.8
		10-year								5271	5.5	30360	10.8
		25-year								6780	5.5	30360	10.8
		100-year								7905	5.5	30360	10.8
	PCMC05A	2-vear	Rectangular	4	6	50.2	874 70	874 54	0.267	9013	5.5	30300	6.2
LICIVICUS	KCINIC05A	2-year 5-year	Reciangulai	4	0	59.2	074.70	074.04	0.207	100	6.7	149	6.2
		10-vear								172	6.7	149	6.2
		25-year								173	6.7	149	6.2
		50-year								173	6.7	149	6.2
		100-year								172	6.8	149	6.2
LRCMC05	RCMC05B	2-year	Trapezoidal	15	50	59.2	878.70	878.54	0.100	2286	8.2	25737	26.4
		5-year								4081	9.6	25737	26.4
		10-year								5175	10.9	25737	26.4
		25-year								6622	12.7	25737	26.4
		50-year								0259	13.9	25/3/	26.4
		2-vear	Natural	16	0	1000.0	877 37	874 70	0.267	2408	3.0	23737	20.4
LICENICOU	LICENICOU	5-vear	Inatural	10	0	1000.0	011.51	074.70	0.207	4155	4.0	44452	
		10-vear								5275	3.9	44452	9.9
		25-year								6783	4.1	44452	9.9
		50-year								7909	4.2	44452	9.9
		100-year								9619	4.2	44452	9.9
LRCMC07	LRCMC07	2-year	Natural	16	0	751.4	878.62	877.37	0.166	2410	5.1	27086	6.3
		5-year								4151	5.1	27086	6.3
		10-year								5270	5.2	27086	6.3
		25-year								6777	5.4	27086	6.3
		50-year								7901	5.5	27086	6.3
		2-vear	Natural	1/	0	215.2	878 07	878 62	0 162	2/09	0.C 3.6	21000	0.3 6 7
LICONOUD		5-year	14010101	14	0	210.2	010.91	070.02	0.103	4150	3.0	34648	6.7
		10-year								5268	3.7	34648	6.7
		25-year								6772	3.6	34648	6.7
		50-year								7895	3.6	34648	6.7
		100-year								9606	3.6	34648	6.7
LRCMC09	LRCMC09	2-year	Natural	16	0	948.3	880.54	878.97	0.166	2403	5.2	36388	8.6
		5-year								4142	5.2	36388	8.6
		10-year								5257	5.2	36388	8.6
		25-year								6757	5.2	36388	8.6
		50-year								1811 0585	5.2	36388	۵.۵ ۹ ۴
	1	roo-year	1							9000	5.2	30308	0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	19	()	1046.4	002.27	990 54	0.175	2402	(51705	(
ERCINCTO	LICENICTO	5-year	Inatural	10		1040.4	002.07	000.04	0.175	4139	3.6	51705	10.4
		10-year								5253	3.7	51705	10.4
		25-year								6752	4.1	51705	10.4
		50-year								7871	4.3	51705	10.4
		100-year								9578	4.6	51705	10.4
LRCMC13	RCMC13A	2-year	User Defined	0	0	53.7	882.77	882.37	0.745	2403	8.2	0	10.9
		5-year								4140	10.9	0	10.9
		10-year								5254	12.2	0	10.9
		25-year								6754	13.7	0	10.9
		50-year								1872	14.8	0	10.9
	PCMC12P	2 voor	Tranazaidal	1	20	52.7	002.00	001.05	0.100	9560	10.2	02	10.9
LKCIVIC 13	KCIVIC 13B	2-year 5-year	Паредониан		30	55.7	902.00	901.95	0.100	0	0.0	93	3.1
		10-vear								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LRCMC14	LRCMC14	2-year	Natural	16	0	388.3	883.93	882.77	0.299	2404	6.1	29996	11.9
		5-year								4141	6.1	29996	11.9
		10-year								5255	6.1	29996	11.9
		25-year								6754	6.2	29996	11.9
		50-year								7873	6.5	29996	11.9
		100-year								9580	6.8	29996	11.9
LRCMC15	LRCMC15	2-year	Natural	30	0	1684.2	885.75	883.93	0.108	2404	4.4	89890	10.8
		5-year								4142 5257	4.9	89890	10.8
		25-vear								6756	5.6	89890	10.8
		50-vear								7875	5.8	89890	10.8
		100-year								9585	6.2	89890	10.8
LRCMC16	RCMC16A	2-year	Rectangular	6	6	26.6	885.80	885.75	0.200	27	3.4	204	5.7
		5-year								29	3.4	204	5.7
		10-year								31	3.4	204	5.7
		25-year								35	3.4	204	5.7
		50-year								38	3.4	204	5.7
		100-year								40	3.4	204	5.7
LRCMC16	RCMC16B	2-year	Trapezoidal	20	100	26.6	886.72	886.67	0.100	2369	2.9	59513	24.8
		5-year								4102	4.0	59513	24.8
		10-year								5213	4.6	59513	24.8
		20-year								7824	5.4	50513	24.0
		100-year								9527	6.7	59513	24.0
LRCMC17	LRCMC17	2-year	Natural	30	n	480 7	887 50	885.80	0.354	2406	6.0	141156	15.9
	2.00.0017	5-year			0		007.00	000.00	0.004	4145	6.6	141156	15.9
		10-year								5260	6.8	141156	15.9
		25-year								6759	7.1	141156	15.9
		50-year								7879	7.3	141156	15.9
		100-year								9588	7.6	141156	15.9
LRCMC18	LRCMC18	2-year	Natural	18	0	503.2	890.00	887.50	0.497	2411	7.1	26219	17.0
		5-year								4148	8.2	26219	17.0
		10-year								5262	8.8	26219	17.0
		25-year								6759	9.5	26219	17.0
		50-year								1818	10.0	26219	17.0
	PCMC104	2-vear	Circular	0		65.0	800.00	800.00	0 500	9000 1154	10.7	20219	11.0
LIVOINO 19	NOIVIC 19A	5-year	oncular	0	0	05.9	030.33	030.00	0.500	1391	23.0 27 1	500	11.9
		10-vear								1460	29.0	599	11.9
		25-year								1549	30.7	599	11.9
		50-year								1610	31.9	599	11.9
		100-year								1693	33.5	599	11.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Tranazaidal	((.cot) 50	65.0	808.00	907.02	0.100	102	(5252	(
ERCINCIS	ICCINIC 19D	5-year	Паредонал	0		00.9	030.00	037.33	0.100	1366	9.1	5353	11.5
		10-year								2343	10.8	5353	11.5
		25-year								3662	12.4	5353	11.5
		50-year								4659	13.3	5353	11.5
		100-year								6201	14.5	5353	11.5
LRCMC20	LRCMC20	2-year	Natural	18	0	2590.7	893.50	890.33	0.122	2413	3.6	26466	6.8
		5-year								4152	3.8	26466	6.8
		10-year								5268	3.9	26466	6.8
		25-year								6765	4.0	26466	6.8
		100-year								9596	4.1	26466	6.8
LRCMC23	RCMC23A	2-vear	Circular	8.5	0	67.7	893 59	893 50	0 132	633	11.3	20400	3.7
LITOMOLO	110111020/1	5-vear	Circular	0.0		07.17	000.00	000.00	0.102	802	13.7	211	3.7
		10-year								849	14.6	211	3.7
		25-year								853	14.7	211	3.7
		50-year								858	15.1	211	3.7
		100-year								891	15.6	211	3.7
LRCMC23	RCMC23B	2-year	Trapezoidal	10	50	67.7	900.00	899.93	0.100	891	7.9	7910	13.2
		5-year								2344	10.8	7910	13.2
		10-year								3426	12.1	7910	13.2
		25-year								4850	13.5	7910	13.2
		50-year								5925	14.3	7910	13.2
1001000	DOMOGOO	100-year	O'au da a	7 000		07.7	000 50	000 50	0.400	7596	15.3	7910	13.2
LRCMC23	RCMC23C	2-year	Circular	7.833	0	67.7	893.59	893.50	0.132	898	18.3	290	6.0
		5-year								1042	21.2	290	6.0
		25-vear								1153	22.0	290	6.0
		50-year								1185	24.5	200	6.0
		100-year								1231	25.4	200	6.0
LRCMC24	LRCMC24	2-year	Natural	18	0	1301.4	895.30	893.59	0.132	2409	3.2	28918	8.7
		5-year								4154	3.8	28918	8.7
		10-year								5277	4.0	28918	8.7
		25-year								6779	4.1	28918	8.7
		50-year								7903	4.2	28918	8.7
		100-year								9629	4.3	28918	8.7
LRCMC25	LRCMC25	2-year	Natural	14.5	0	249.1	895.94	895.30	0.257	2389	3.6	37894	7.9
		5-year								4127	3.7	37894	7.9
		10-year								5252	3.7	37894	7.9
		50-vear								7866	3.0	37894	7.9
		100-vear								9596	3.5	37894	7.9
LRCMC26	LRCMC26	2-year	Natural	14	n	1717.9	900.75	895.94	0.280	2402	2.5	112015	9.7
		5-year								4145	2.3	112015	9.7
		10-year								5278	2.4	112015	9.7
		25-year								6782	2.4	112015	9.7
		50-year								7901	2.4	112015	9.7
		100-year								9641	2.5	112015	9.7
LRCMC27	RCMC27A	2-year	Rectangular	10	14	22.1	900.77	900.75	0.090	803	11.4	783	5.6
		5-year								1384	16.9	783	5.6
		10-year								1762	19.9	783	5.6
		25-year								2265	23.7	783	5.6
		50-year								2038	26.4	783	5.6
LRCMC27	RCMC27B	2-vear	Trapezoidal	10	30	22.1	912 00	Q11 Q2	0 100	JZ 10	0.0	2715	0.0
		5-year	Tapozolual	10		22.1	512.00	511.30	0.100	0	0.0	2715	9.0
		10-year								0	0.0	2715	9.0
		25-year								0	0.0	2715	9.0
		50-year								0	0.0	2715	9.0
		100-year								0	0.0	2715	9.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCMC28	LRCMC28	2-vear	Natural	14.5	0	615.6	901 35	900 77	0.094	2408	25	47186	5.8
LICOMOZO	LICOMOZO	5-vear	Naturai	14.5	0	010.0	301.00	500.77	0.004	4152	3.0	47186	5.8
		10-year								5284	3.2	47186	5.8
		25-year								6791	3.4	47186	5.8
		50-year								7909	3.6	47186	5.8
		100-year								9650	3.8	47186	5.8
LRCMC29	RCMC29A	2-year	User Defined	0	0	35.6	901.38	901.35	0.084	2408	5.4	0	3.7
		5-year								4153	7.4	0	3.7
		10-year								5286	8.5	0	3.7
		25-year								5793	9.7	0	3.7
		100-year								9653	11.5	0	3.7
LRCMC29	RCMC29B	2-vear	Trapezoidal	2	30	35.6	914.80	914.76	0.100	0	0.0	312	5.2
		5-year								0	0.0	312	5.2
		10-year								0	0.0	312	5.2
		25-year								0	0.0	312	5.2
		50-year								0	0.0	312	5.2
		100-year								0	0.0	312	5.2
LRCMC30	LRCMC30	2-year	Natural	14	0	51.4	901.43	901.38	0.097	2408	5.1	7027	2.5
		5-year								4153	6.8	7027	2.5
		10-year								5286	1.1	7027	2.5
		25-year								7012	0.7	7027	2.5
		100-year								9653	10.2	7027	2.5
LRCMC31	RCMC31A	2-vear	User Defined	0	0	34.3	901.46	901.43	0.088	2408	5.0	0	3.8
Litemeet		5-year	ooor Donnou			0.110		001110	0.000	4153	6.7	0	3.8
		10-year								5286	7.6	0	3.8
		25-year								6793	8.6	0	3.8
		50-year								7912	9.2	0	3.8
		100-year								9653	10.1	0	3.8
LRCMC31	RCMC31B	2-year	Trapezoidal	2	30	34.3	914.80	914.77	0.100	0	0.0	275	4.6
		5-year								0	0.0	275	4.6
		10-year								0	0.0	275	4.6
		25-year								0	0.0	275	4.0
		100-year								0	0.0	275	4.6
LRCMC32	LRCMC32	2-vear	Natural	16	0	212.7	901.66	901.46	0.094	2387	1.3	123674	6.0
		5-year								4119	1.4	123674	6.0
		10-year								5242	1.5	123674	6.0
		25-year								6737	1.5	123674	6.0
		50-year								7845	1.6	123674	6.0
		100-year								9573	1.6	123674	6.0
LRCMC34	LRCMC34	2-year	Natural	18	0	1949.1	903.60	901.66	0.100	2389	1.6	155911	6.0
		5-year								4121	2.1	155911	6.0
		10-year								5240 6724	2.3	155911	6.0
		50-year								7840	2.5 2.7	155911	0.0 6.0
		100-year								9562	2.9	155911	6.0
LRCMC35	LRCMC35	2-year	Natural	17	0	1120.6	904.72	903.60	0.100	2382	2.9	114045	5.8
		5-year								4108	3.3	114045	5.8
		10-year								5222	3.5	114045	5.8
		25-year								6704	3.8	114045	5.8
		50-year								7812	3.9	114045	5.8
		100-year								9527	4.1	114045	5.8
LRCMC36	LRCMC36	2-year	Natural	16	0	939.4	905.00	904.72	0.030	2387	1.2	90597	4.1
		5-year								4119	1.4	90597	4.1
		10-year								5230 6714	1.5	90597	4.1
		50-year								7820	1.0	90597	4.1 4.1
		100-year								9543	1.8	90597	4.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCMC37	LRCMC37	2-vear	Natural	14	0	1434.8	907 50	905.00	0 174	2383	33	77888	79
LICOMOST	LICOMOGI	5-vear	Induitai	17	0	1404.0	507.50	303.00	0.174	4110	3.8	77888	7.9
		10-year								5220	4.1	77888	7.9
		25-year								6695	4.3	77888	7.9
		50-year								7801	4.5	77888	7.9
		100-year								9518	4.7	77888	7.9
LRCMC38	LRCMC38	2-year	Natural	12	0	1500.0	909.00	907.50	0.100	2348	2.7	45319	5.5
		5-year								4060	3.1	45319	5.5
		10-year								5158	3.3	45319	5.5
		25-year								6617	3.6	45319	5.5
		50-year								0410	3.7	45319	5.5
		2 year	Notural	10	0	2220.4	012.00	000.00	0 170	9410	3.9	45519	0.0
LICENIC39	LICONC39	2-year 5-year	Indiuidi	19	0	2230.4	913.00	909.00	0.179	4048	2.0	265043	8.8
		10-vear								5139	3.3	265043	8.8
		25-vear								6584	3.3	265043	8.8
		50-year								7672	3.5	265043	8.8
		100-year								9362	3.6	265043	8.8
LRCMC40	LRCMC40	2-year	Natural	16	0	1501.5	915.00	913.00	0.133	2308	1.8	229978	7.8
		5-year								4012	2.2	229978	7.8
		10-year								5096	2.3	229978	7.8
		25-year								6559	2.4	229978	7.8
		50-year								7637	2.5	229978	7.8
		100-year								9322	2.7	229978	7.8
LRCMC41	LRCMC41	2-year	Natural	15	0	1543.0	916.50	915.00	0.097	2301	5.4	57821	4.7
		5-year								4008	5.4	57821	4.7
		10-year								5089	5.3	57821	4.7
		25-year								7627	5.3	57821	4.7
		100-year								9318	5.3	57821	4.7
LBCMC42	LRCMC42	2-vear	Natural	13	0	1500.0	918.00	916 50	0 100	2172	1 1	106655	6.0
LICOMO42	LICOMO42	5-vear	Induitai	10	0	1000.0	510.00	510.50	0.100	3764	1.1	106655	6.0
		10-year								4790	1.2	106655	6.0
		25-year								6158	1.2	106655	6.0
		50-year								7139	1.2	106655	6.0
		100-year								8723	1.3	106655	6.0
LRCMC43	LRCMC43	2-year	Natural	10	0	2364.7	921.00	918.00	0.127	2066	2.9	34144	5.5
		5-year								3620	3.4	34144	5.5
		10-year								4614	3.7	34144	5.5
		25-year								5917	3.9	34144	5.5
		50-year								6847	4.1	34144	5.5
		100-year	Natural	4.0		4054.0	000 50	004.00	0.450	8293	4.3	34144	5.5
LKCMC44	LKCMC44	2-year	INATURAL	16	0	1651.9	923.53	921.00	0.153	1984	3.9	113654	6.3
		10-veer								3494	4.4	113654	0.3
		25-vear								5713	4.7	113654	0.3 6 2
		50-year								6599	5.1	113654	6.3
		100-year								7991	5.3	113654	6.3
LRCMC45	LRCMC45	2-year	Natural	15	0	1251.9	925.44	923.53	0.153	1977	1.6	171866	8.4
		5-year								3504	1.8	171866	8.4
		10-year								4473	1.9	171866	8.4
		25-year								5720	2.0	171866	8.4
		50-year								6592	2.1	171866	8.4
		100-year								7991	2.2	171866	8.4
LRCMC46	LRCMC46	2-year	Natural	13	0	1672.5	928.00	925.44	0.153	1956	2.8	97865	6.9
		5-year								3477	3.2	97865	6.9
		10-year								4441	3.4	97865	6.9
		25-year								5666	3.7	97865	6.9
		50-year								6528	3.8	97865	6.9
		100-year								7909	4.0	97865	6.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	20	0.000	10/19 2	932.00	928.00	0.205	1886	, , , , , , , , , , , , , , , , , , ,	341212	10.1
	LICOWO47	5-year		20	0	1040.2	552.00	520.00	0.200	3382	3.3	341212	10.1
		10-year								4329	3.5	341212	10.1
		25-year								5523	3.7	341212	10.1
		50-year								6355	3.8	341212	10.1
		100-year								7713	4.1	341212	10.1
LRCMC48	LRCMC48	2-year	Natural	13	0	2200.2	938.00	932.00	0.273	1352	3.7	90280	8.0
		5-year								2425	4.0	90280	8.0
		10-year								3106	4.2	90280	8.0
		25-year								3969	4.3	90280	8.0
		100-year								5649	4.4	90280	0.0 8.0
LRCMC49	LRCMC49	2-vear	Natural	21	0	1337.0	940.00	938.00	0 150	1364	4.0	313858	8.2
LICOMO45	EI(OMO43	5-vear	Induitai	21	0	1007.0	040.00	330.00	0.100	2284	2.0	313858	8.2
		10-vear								2897	2.1	313858	8.2
		25-year								3637	2.2	313858	8.2
		50-year								4194	2.3	313858	8.2
		100-year								5046	2.4	313858	8.2
LRCMC50	LRCMC50	2-year	Natural	20	0	3736.0	946.00	940.00	0.161	1453	2.2	448377	9.2
		5-year								2435	2.5	448377	9.2
		10-year								3043	2.6	448377	9.2
		25-year								3767	2.8	448377	9.2
		50-year								4316	2.9	448377	9.2
		100-year								5171	3.0	448377	9.2
LRCMC51	LRCMC51	2-year	Natural	13	0	1951.2	948.00	946.00	0.103	1284	2.9	47509	5.2
		5-year								2162	3.2	47509	5.2
		10-year								2090	3.4	47509	5.2
		50-vear								3846	3.5	47509	5.2
		100-year								4595	3.7	47509	5.2
LRCMC52	LRCMC52	2-vear	Natural	10	0	1080.4	952.00	948.00	0.370	1091	3.2	28683	8.6
2.101.002	2.100.0002	5-year	- tatara				002.00	0.0.00	0.070	1852	3.4	28683	8.6
		10-year								2317	3.5	28683	8.6
		25-year								2846	3.7	28683	8.6
		50-year								3296	3.7	28683	8.6
		100-year								3946	3.9	28683	8.6
LRCMC53	LRCMC53	2-year	Natural	10	0	1582.8	960.93	952.00	0.564	920	5.1	26471	8.9
		5-year								1600	5.9	26471	8.9
		10-year								2000	6.2	26471	8.9
		25-year								2439	6.5	26471	8.9
		50-year								2839	6.4	26471	8.9
		2 voor	Noturol	10		2002 7	074.00	060.00	0 404	3404	6.8	26471	8.9
		2-year	เงลเนเลเ	10	0	2092.7	9/1.06	900.93	0.484	1385	4.2	40477	/.8 7 0
		10-vear								1701	4.7	40477	י.0 7 פ
		25-vear								2074		40477	7.8
		50-year								2424	4.9	40477	7.8
		100-year								2899	5.1	40477	7.8
LRCMC55	LRCMC55	2-year	Natural	15	0	2936.7	976.00	971.06	0.168	550	1.7	130380	7.6
		5-year								890	1.8	130380	7.6
		10-year								1107	1.8	130380	7.6
		25-year								1422	2.0	130380	7.6
		50-year								1658	2.1	130380	7.6
		100-year								1975	2.2	130380	7.6
LRCMC56	LRCMC56	2-year	Natural	13	0	2083.0	979.00	976.00	0.144	489	2.3	33556	7.1
		5-year								742	2.6	33556	7.1
		10-year								917	2.8	33556	7.1
		∠o-year								1154	3.0	33556	/.1
		100-year								1589	3.1	33556	7.1
		100 year								1008	5.5	33330	1.1

LRCMC57 LRCMC57 2-year Natural 20 0 3009.5 994.00 979.00 0.498 365 3.0 11501 5-year 5-year Image: Comparison of the comparison of	16.6 16.6 16.6 16.6 16.6 16.6 16.1 16.1
Literior Literior <thliterior< th=""> <th< th=""><th>16.6 16.6 16.6 16.6 16.6 16.1 16.1 16.1</th></th<></thliterior<>	16.6 16.6 16.6 16.6 16.6 16.1 16.1 16.1
10-year 10-year 10-year 11501 25-year 11501 11501 50-year 11501 11501	16.6 16.6 16.6 16.1 16.1 16.1 16.1 16.1
25-year 772 3.6 11501 50-year 50-year 889 3.7 11501	16.6 16.6 16.1 16.1 16.1 16.1 16.1 16.1
50-year 50-year 889 3.7 11501	16.6 16.6 16.1 16.1 16.1 16.1 16.1
	16.6 16.1 16.1 16.1 16.1 16.1
100-year 1038 3.9 11501	16.1 16.1 16.1 16.1 16.1
LRCMC58 LRCMC58 2-year Natural 14 0 1952.7 1008.00 994.00 0.717 286 3.5 9362	16.1 16.1 16.1 16.1
5-year 368 3.3 9362	16.1 16.1 16.1
10-year 440 3.4 9362	16.1
50-vear 611 3.6 9362	10.1
100-year 709 3.7 9362	16.1
LSCL101 LSCL101 2-year Natural 4 6 85.0 903.43 902.36 1.258 81 7.5 42	6.4
5-year 118 8.4 42	6.4
10-year 10-year 140 8.9 42	6.4
25-year 169 9.3 42	6.4
50-year 191 9.3 42	6.4
100-year 219 9.4 42	6.4
LSCL102 LSCL102 2-year Natural 4.5 6 18.3 903.91 903.43 2.630 48 2.5 99	8.6
5-year 69 2.8 99	8.6
10-year 82 2.9 99	0.0
50.vear 112 32 00	0.0
100-year 128 3.2 99	8.6
LSCL103 8362.1 2-year Circular 3 0 189.6 904.26 903.91 0.185 48 8.0 2	3.8
5-year 69 10.8 2	3.8
10-year 82 12.4 2	3.8
25-year 25-year 88 13.1 2	3.8
50-year 58 13.1 2	3.8
100-year 88 13.1 2	3.8
LSCL103 8362.2 2-year Trapezoidal 1 30 189.6 910.00 907.00 1.582 0 0.0 38	12.8
5-year 0 0.0 38	12.8
10-year 0 0.0 38	12.8
50-year 24 43 38	12.0
100-year 43 5.4 38	12.8
LSCL104 8512.1 2-year Circular 3 0 63.9 908.17 904.26 6.122 38 8.9 15	21.7
5-year 55 11.3 15	21.7
10-year 10 10 10 10 10 10 10 10 10 10 10 10 10	21.7
25-year 78 11.6 15	21.7
50-year 87 12.1 15	21.7
100-year 100 14.0 15	21.7
LSCL104 8512.2 2-year Trapezoidal 1 30 63.9 912.00 910.00 3.131 0 0.0 54	18.0
5-year 0 0.0 54	18.0
25.vear 0 0.0 54	18.0
50-vear 0 0.0 54	18.0
100-year 0 0.0 54	18.0
LSCL105 LSCL105 2-year Trapezoidal 4 10 72.6 908.47 908.17 0.413 38 3.2 34	6.1
5-year 55 3.6 34	6.1
10-year 64 3.6 34	6.1
25-year 78 3.6 34	6.1
50-year 87 3.6 34	6.1
100-year 100 3.6 34	6.1
LSCL106 SCL106A 2-year Circular 2 0 35.6 908.74 908.47 0.758 27 10.7 1	3.4
5-year 30 10.8 1	3.4
25.veer 21.0.9 21.0.0 4	3.4
50-vear 31 10.0 1	3.4
100-year 31 10.8 1	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCI 106	SCI 106B	2-vear	Tranezoidal	1	30	35.6	912.00	911 96	0 100	11	1.8	102	3.4
LOOLING	COLICOD	5-vear	Trapozoidai			00.0	012.00	011.00	0.100	24	2.6	102	3.4
		10-year								36	3.0	102	3.4
		25-year								53	3.5	102	3.4
		50-year								65	3.8	102	3.4
		100-year								82	4.2	102	3.4
LSCL107	LSCL107	2-year	Trapezoidal	4	10	27.9	908.94	908.74	0.716	38	0.8	431	7.7
		5-year								55	1.2	431	7.7
		10-year								64	1.3	431	7.7
		25-year								/8	1.5	431	7.7
		100-year								100	1.7	431	7.7
LSCL108	SCL108A	2-vear	Circular	2	0	39.1	909.11	908.94	0.435	20	6.3	8	2.6
		5-year								21	6.6	8	2.6
		10-year								21	6.7	8	2.6
		25-year								21	6.8	8	2.6
		50-year								21	6.8	8	2.6
		100-year								21	6.8	8	2.6
LSCL108	SCL108B	2-year	Trapezoidal	2	30	39.1	912.00	911.96	0.100	30	2.8	298	5.0
		5-year								47	3.3	298	5.0
		10-year								57	3.6	298	5.0
		25-year								71 01	3.8	298	5.0
		100-year								94	3.9	290	5.0
LSCI 109	LSCI 109	2-vear	Trapezoidal	4	10	58.6	909.30	909 11	0.324	38	4.0 0.9	301	5.0
LOOLIUS	LUCETUS	5-vear	Trapezoidai		10	50.0	505.50	303.11	0.524	55	1.2	301	5.4
		10-year								64	1.4	301	5.4
		25-year								78	1.7	301	5.4
		50-year								87	1.8	301	5.4
		100-year								100	2.0	301	5.4
LSCL110	SCL110A	2-year	Circular	2	0	38.4	909.43	909.30	0.339	19	6.1	7	2.3
		5-year								20	6.3	7	2.3
		10-year								20	6.4	7	2.3
		25-year								20	6.4	/	2.3
		100-year								20	6.3	7	2.3
LSCI 110	SCI 110B	2-vear	Trapezoidal	2	30	38.4	912 00	911 96	0 100	33	2.4	300	5.0
LOOLING	COLIND	5-vear	Trapozoidai			00.1	012.00	011.00	0.100	49	2.9	300	5.0
		10-year								59	3.1	300	5.0
		25-year								72	3.3	300	5.0
		50-year								82	3.4	300	5.0
		100-year								95	3.6	300	5.0
LSCL111	LSCL111	2-year	Trapezoidal	4	10	34.2	909.50	909.43	0.204	38	1.0	239	4.3
		5-year								55	1.3	239	4.3
		10-year								64	1.5	239	4.3
		25-year								78	1.8	239	4.3
		100-year								۵/ ۱۸۵	2.0	239	4.3
SCI 112	SCI 1124	2-vear	Circular	2	n	36.3	909 60	909 50	0 523	16	5.1	239	4.3 2 8
LOOLIIZ	JOE 112A	5-year	Circular	2	0	30.3	505.08	505.50	0.020	17	5.2	9	2.0
		10-year								17	5.2	9	2.8
		25-year								17	5.2	9	2.8
		50-year								17	5.2	9	2.8
		100-year								16	5.1	9	2.8
LSCL112	SCL112B	2-year	Trapezoidal	2	30	36.3	912.00	911.96	0.100	34	2.3	309	5.1
		5-year								50	2.6	309	5.1
		10-year								60	2.8	309	5.1
		25-year								73	3.1	309	5.1
		50-year								23	3.2	309	5.1
	I	roo-year								90	3.4	309	5.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Trapezoidal	(10	28.6	000 77	000 60	0.280	38	(273	(
LOOLING	LOOLING	5-vear	Trapezoidai		10	20.0	505.11	303.03	0.200	55	1.1	273	4.9
		10-year								64	1.7	273	4.9
		25-year								78	1.9	273	4.9
		50-year								87	2.1	273	4.9
		100-year								100	2.4	273	4.9
LSCL114	SCL114A	2-year	Circular	2	0	38.4	910.07	909.77	0.781	14	4.7	11	3.4
		5-year								14	4.7	11	3.4
		25-vear								14	4.7	11	3.4
		50-year								14	4.6	11	3.4
		100-year								13	4.3	11	3.4
LSCL114	SCL114B	2-year	Trapezoidal	2	30	38.4	912.00	911.96	0.100	34	2.1	300	5.0
		5-year								51	2.5	300	5.0
		10-year								61	2.7	300	5.0
		25-year								74	2.9	300	5.0
		50-year								84	3.0	300	5.0
LSCI 115	LSCI 115	2-vear	Trapezoidal	4	10	118.6	910 76	910.07	0 582	38	1.5	403	7.2
2002110	2002110	5-year	riapozoidai				0.0.00	0.0.01	0.002	55	2.0	403	7.2
		10-year								65	2.2	403	7.2
		25-year								78	2.5	403	7.2
		50-year								88	2.8	403	7.2
		100-year								101	3.0	403	7.2
LSCL116	8474.1	2-year	Circular	2	0	47.7	911.00	910.76	0.503	27	8.7	15	4.7
		5-year								27	8.9	15	4.7
		25-vear								28	9.0	15	4.7
		50-vear								28	9.1	15	4.7
		100-year								28	9.0	15	4.7
LSCL116	8474.2	2-year	Trapezoidal	2	30	47.7	913.00	912.95	0.100	12	1.8	301	5.0
		5-year								29	2.7	301	5.0
		10-year								39	3.0	301	5.0
		25-year								53	3.4	301	5.0
		50-year								63	3.7	301	5.0
	SCI 14014	2 voor	Circular	2	0	10.0	006.00	002 42	12 029	22	4.0	301	5.0
LIGELIAUT	SCETAUTA	5-year	Circular	3	0	19.9	900.00	903.43	12.920	33 	10.1	106	15.0
		10-year								58	11.2	106	15.0
		25-year								71	11.9	106	15.0
		50-year								80	12.4	106	15.0
		100-year								91	13.2	106	15.0
LSCL1A01	SCL1A01B	2-year	Trapezoidal	1	30	19.9	909.00	908.98	0.100	0	0.0	79	2.6
		5-year								0	0.0	79	2.6
		10-year								0	0.0	79	2.6
		50-vear								0	0.0	79	2.0
		100-year								0	0.0	79	2.6
LSCL1A02	LSCL1A02	2-year	Natural	6	10	134.4	906.89	906.00	0.662	33	2.6	7393	7.2
		5-year								49	2.8	7393	7.2
		10-year								58	2.8	7393	7.2
		25-year								71	2.9	7393	7.2
		50-year								80	2.9	7393	7.2
	9204.4	100-year	Circuler			100 7	007.00	000.00	0.001	92	2.9	7393	7.2
LOULTAU3	0301.1	∠-year 5-vear	Circular	2	0	196.7	907.00	900.89	0.301	22	9.2	13	4.0
		10-vear								24	9.4	13	4.0
		25-year								26	9.4	13	4.0
		50-year								28	9.5	13	4.0
		100-year								28	9.5	13	4.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCI 1A03	8361.2	2-vear	Trapezoidal	1	30	196.7	911 60	909.00	1 322	11	30	351	11.7
20021/00	000112	5-vear	Trapozoidai			100.1	011.00	000.00	1.022	25	4.1	351	11.7
		10-year								33	4.6	351	11.7
		25-year								45	5.2	351	11.7
		50-year								53	5.6	351	11.7
		100-year								65	6.1	351	11.7
LSCL1A04	8340.1	2-year	Circular	2	0	26.5	907.90	907.60	1.132	22	6.9	21	6.7
		5-year								22	7.0	21	6.7
		10-year								22	7.1	21	6.7
		25-year								23	7.1	21	6.7
		100-vear								23	7.2	21	6.7
LSCL1A04	8340.2	2-vear	Trapezoidal	1	30	26.5	911.90	911.60	1.132	12	2.8	305	10.2
		5-year								27	3.9	305	10.2
		10-year								36	4.4	305	10.2
		25-year								49	5.0	305	10.2
		50-year								58	5.3	305	10.2
		100-year								70	5.7	305	10.2
LSCL1B01	8511.1	2-year	Circular	2	0	28.7	904.31	904.26	0.174	0	-0.3	9	2.7
		5-year								0	-0.3	9	2.7
		10-year								0	-0.3	9	2.7
		25-year								3	1.0	9	2.7
		100-year								4	1.1	9	2.7
LSCI 1B01	8511.2	2-vear	Trapezoidal	1	30	28.7	910 48	910.00	1 670	0	0.0	386	12.7
LOOLIDOI	0311.2	5-vear	Trapezoidai			20.7	510.40	510.00	1.070	0	0.0	386	12.9
		10-year								0	0.0	386	12.9
		25-year								0	0.0	386	12.9
		50-year								0	0.0	386	12.9
		100-year								0	0.0	386	12.9
LSCL201	8341.1	2-year	Circular	2	0	140.8	907.85	905.45	1.704	14	5.0	27	8.7
		5-year								16	4.9	27	8.7
		10-year								16	5.2	27	8.7
		25-year								20	6.3	27	8.7
		100-year								21	5.2	27	8.7
LSCI 201	8341.2	2-vear	Tranezoidal	2	30	140.8	911 85	910 70	0.817	21	0.7	840	14.0
LOCEZUT	0341.2	5-year	Паредонал	2		140.0	311.05	310.70	0.017	6	0.0	840	14.0
		10-vear								10	0.8	840	14.0
		25-year								15	1.9	840	14.0
		50-year								20	1.6	840	14.0
		100-year								25	1.6	840	14.0
LSCL301	8409.1	2-year	Circular	2	0	181.5	909.30	906.66	1.454	14	5.0	25	8.1
		5-year								12	5.3	25	8.1
		10-year								11	5.4	25	8.1
		25-year								11	5.6	25	8.1
		50-year								14	5.7	25	8.1
	8409.2	2-vear	Tranazoidal	1	30	181 5	012 20	Q11 Q2	0 250	12	0.0	20 155	0.1 5.0
L30L301	0409.2	∠-year 5-vear	riapezulual	1		01.0	912.30	311.03	0.209	11	0.9	155	
		10-year								15	1.6	155	5.2
		25-year								21	1.9	155	5.2
		50-year								25	2.0	155	5.2
		100-year								30	2.1	155	5.2
LSCL401	8533.1	2-year	Special	3	3	183.8	914.36	908.86	2.992	16	4.7	50	12.3
		5-year								22	5.2	50	12.3
		10-year								25	6.1	50	12.3
		25-year								29	7.0	50	12.3
		50-year								34	8.2	50	12.3
		100-year								41	9.8	50	12.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8533.2	2-vear	Trapezoidal	(30	183.8	010 11	015 25	2 100	(0.0)	0.0	(0.0)	(
L30L401	0555.2	5-year	Паредонал			105.0	313.11	313.23	2.100	0	0.0	442	14.7
		10-year								0	0.0	442	14.7
		25-year								0	0.0	442	14.7
		50-year								0	0.0	442	14.7
		100-year								1	0.1	442	14.7
LSCL402	8532.1	2-year	Special	3	3	293.9	916.52	914.36	0.735	17	6.4	25	6.1
		5-year								22	6.6	25	6.1
		10-year								25	6.7	25	6.1
		50-vear								29	7.1	25	6.1
		100-vear								30	7.2	25	6.1
LSCL402	8532.2	2-year	Trapezoidal	1	30	293.9	920.44	919.11	0.452	0	0.0	205	6.8
		5-year								0	0.0	205	6.8
		10-year								0	0.0	205	6.8
		25-year								0	0.0	205	6.8
		50-year								7	1.8	205	6.8
		100-year								20	2.8	205	6.8
LSCMC01	SCMC01A	2-year	Rectangular	7	7	67.1	887.03	886.70	0.492	205	5.4	530	10.8
		5-year								291	1.2	530	10.8
		25-vear								431	10.4	530	10.8
		50-vear								470	10.0	530	10.8
		100-year								551	12.0	530	10.8
LSCMC01	SCMC01B	2-year	Trapezoidal	1	30	67.1	894.00	893.93	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
1001000	1.001000	100-year	Netural	0	10	FF7 4	004.00	007.00	0.004	0	0.0	98	3.3
LSCIVICU2	LSCMC02	2-year	Naturai	8	10	557.1	891.00	887.03	0.831	120	0.6	9623	10.0
		10-vear								123	0.7	9623	10.0
		25-year								192	0.9	9623	10.0
		50-year								219	0.9	9623	10.0
		100-year								255	1.0	9623	10.0
LSCMC03	LSCMC03	2-year	Natural	5	0	1701.4	902.36	891.66	0.629	123	1.9	14109	8.4
		5-year								181	2.0	14109	8.4
		10-year								218	2.1	14109	8.4
		25-year								266	2.1	14109	8.4
		100-year								300	2.2	14109	8.4 8.4
LSCMC04	LSCMC04	2-vear	Trapezoidal	2	4	24.9	903.36	902.36	4.016	54	7.9	241	10.0
		5-year				20	110.00			79	8.8	241	10.0
		10-year								94	9.3	241	10.0
		25-year								114	9.9	241	10.0
		50-year								127	10.3	241	10.0
		100-year								144	10.7	241	10.0
LSCMC05	SCMC05A	2-year	Circular	4	0	31.3	903.85	903.36	1.568	54	11.5	97	7.8
		5-year								79	13.3	97	7.8
		25-year								94 11/	14.3	97	7.8 7.9
		50-vear								127	16.2	97	7.8
		100-year								144	17.0	97	7.8
LSCMC05	SCMC05B	2-year	Trapezoidal	1	30	31.3	908.00	907.97	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	(()	490.9	004.60	002.95	0.156	(0.0)	(16229	(
LOCINCOO	LOCINCOO	5-year	Naturai	0		400.0	304.00	303.03	0.150	99	0.0	16338	5.5
		10-year								116	0.6	16338	5.5
		25-year								140	0.6	16338	5.5
		50-year								157	0.6	16338	5.5
		100-year								179	0.6	16338	5.5
LSCMC07	8520.1	2-year	Special	2.83	2.83	163.3	905.45	904.60	0.520	39	12.8	16	4.8
		5-year								42	13.1	16	4.8
		10-year								42	13.2	16	4.8
		25-year								42	13.3	16	4.8
		100-vear								43	13.3	16	4.0
LSCMC07	8520.2	2-vear	Trapezoidal	2	30	163.3	910.70	910.00	0.429	45	3.7	609	10.1
		5-year								95	5.0	609	10.1
		10-year								123	5.5	609	10.1
		25-year								154	6.0	609	10.1
		50-year								178	6.4	609	10.1
		100-year								214	6.8	609	10.1
LSCMC08	8526.1	2-year	Special	2.83	2.83	183.8	906.06	905.45	0.332	22	6.5	13	3.8
		5-year								26	7.9	13	3.8
		25-year								22	6.6	13	3.0 3.8
		50-year								22	6.8	13	3.8
		100-year								26	7.7	13	3.8
LSCMC08	8526.2	2-year	Trapezoidal	3	30	183.8	911.56	909.70	1.012	54	2.2	1770	19.7
		5-year								103	3.4	1770	19.7
		10-year								126	3.8	1770	19.7
		25-year								152	4.3	1770	19.7
		50-year								172	4.6	1770	19.7
		100-year								204	5.0	1770	19.7
LSCMC09	8527.1	2-year	Special	2.83	2.83	31.5	906.66	906.06	1.907	34	10.4	30	9.1
		5-year								34	10.3	30	9.1
		25-vear								34	10.4	30	9.1
		50-year								34	10.1	30	9.1
		100-year								34	10.3	30	9.1
LSCMC09	8527.2	2-year	Trapezoidal	1	30	31.5	911.83	911.56	0.858	21	2.6	283	9.4
		5-year								56	4.2	283	9.4
		10-year								72	4.7	283	9.4
		25-year								90	5.1	283	9.4
		50-year								105	5.5	283	9.4
	9509.4	100-year	Speciel	2 22	2.22	172.0	007.60	006.60	0 507	128	6.0	283	9.4
LOUNCIU	0020.1	2-year 5-year	Special	3.33	3.33	173.8	901.08	300.00	0.587	40 45	/./ 87	30	5.9
		10-vear								45	87	30	5.9
		25-year								45	8.7	30	5.9
		50-year								45	8.7	30	5.9
		100-year								45	8.7	30	5.9
LSCMC10	8528.2	2-year	Trapezoidal	1	30	173.8	914.25	911.83	1.392	0	0.0	360	12.0
		5-year								22	2.7	360	12.0
		10-year								35	3.4	360	12.0
		25-year								48	4.0	360	12.0
		50-year								50	4.4	360	12.0
LSCMC11	8529 1	2-vear	Special	2 22	2 2 2	58 /	908 02	907 68	0 582	78 <u>7</u> 0	5.0	200	۱۷.U ۶ ۹
LOOMOTT	5525.1	5-year	Spoola	0.00	0.00		550.02	551.00	0.002	41	8.0	30	5.8
		10-year								41	7.9	30	5.8
		25-year								41	8.0	30	5.8
		50-year								41	8.0	30	5.8
		100-year								41	8.0	30	5.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCMC11	8529.2	2-vear	Trapezoidal	1	30	58.4	914 54	914 25	0 497	0	0.0	215	72
Loomorr	0020.2	5-vear	Trapozoidar		00	00.1	011.01	011.20	0.107	33	3.5	215	7.2
		10-year								45	3.9	215	7.2
		25-year								58	4.3	215	7.2
		50-year								69	4.6	215	7.2
		100-year								86	5.0	215	7.2
LSCMC12	8530.1	2-year	Special	3.33	3.33	126.7	908.76	908.02	0.584	34	6.9	30	5.9
		5-year								34	7.0	30	5.9
		10-year								34	7.0	30	5.9
		25-year								35	7.0	30	5.9
		50-year								35	7.0	30	5.9
1001010	0500.0	100-year	-			400 7			0.004	36	7.1	30	5.9
LSCMC12	8530.2	2-year	Trapezoidal	2	30	126.7	914.18	914.54	-0.284	-17	-1.4	496	8.3
		5-year								-49	-2.5	496	8.3
		25 year								-01	-2.0	490	0.3
		50-vear								-74	-3.1	490	0.3 8.3
		100-vear								-102	-3.6	496	8.3
LSCMC13	8531.1	2-year	Special	.3	1.5	50.9	908 86	908 76	0.196	.38	10.0	13	3.1
		5-year		3	1.0	00.0	000.00	000.10	5.100	39	10.0	13	3.1
		10-year								40	10.1	13	3.1
		25-year								40	10.1	13	3.1
		50-year								41	10.2	13	3.1
		100-year								42	10.3	13	3.1
LSCMC13	8531.2	2-year	Trapezoidal	2	30	50.9	915.25	914.18	2.101	11	1.1	1348	22.5
		5-year								42	2.5	1348	22.5
		10-year								55	3.0	1348	22.5
		25-year								69	3.5	1348	22.5
		50-year								82	3.8	1348	22.5
		100-year								102	4.3	1348	22.5
LSCMC14	8389.1	2-year	Circular	2	0	26.3	908.91	908.86	0.190	9	3.2	9	2.7
		5-year								9	3.1	9	2.7
		10-year								9	3.1	9	2.7
		25-year								9	3.1	9	2.7
		50-year								9	3.1	9	2.7
	0200.2	2 voor	Tranazaidal	2	20	26.2	014.16	014.25	0.242	9	3.1	500	2.7
LSCIVIC 14	0309.2	z-year	Паредойа	2	30	20.3	914.10	914.25	-0.343	-10	1.7	509	0.0
		10-vear								10	2.1	509	8.5
		25-vear								23	2.0	509	8.5
		50-vear								26	2.4	509	8.5
		100-year								28	2.6	509	8.5
LSCMC15	8590.1	2-year	Circular	2	0	170.5	913.74	908.91	2.832	11	5.5	35	11.3
		5-year								16	5.4	35	11.3
		10-year								18	5.8	35	11.3
		25-year								21	6.7	35	11.3
		50-year								24	7.5	35	11.3
		100-year								26	8.2	35	11.3
LSCMC15	8590.2	2-year	Trapezoidal	1	30	170.5	918.49	914.16	2.539	0	0.0	486	16.2
		5-year								0	0.0	486	16.2
		10-year								0	0.0	486	16.2
		25-year								0	0.0	486	16.2
		50-year								0	0.0	486	16.2
1001000	0501.1	100-year	Oliverate	-	-	450 5	040.07	040 7		0	0.0	486	16.2
LSCMC16	8591.1	∠-year	Circular	2	0	150.3	913.95	913.74	0.140	10	5.4	8	2.5
		5-year								16	5.4	8	2.5
		25-vear								18	5.9	0	2.5
		50-vear								21	6.5	٥ ۵	2.5
		100-vear								21	6.5	о 8	2.5
	l		1	I	1	1			1	21	0.0	0	2.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCMC16	8591.2	2-vear	Trapezoidal	1	30	150.3	918 37	918 49	-0.080	0	0.0	86	29
LOOMOTO	0001.2	5-vear	Trapezoidai			100.0	510.07	510.45	0.000	0	0.0	86	2.9
		10-year								0	0.0	86	2.9
		25-year								-1	-0.4	86	2.9
		50-year								-6	-1.0	86	2.9
		100-year								-13	-1.4	86	2.9
LSCMC17	8403.1	2-year	Circular	2	0	117.7	916.38	913.95	2.065	10	5.6	30	9.6
		5-year								16	5.9	30	9.6
		10-year								18	6.1	30	9.6
		50-vear								23	7.3	30	9.0
		100-year								26	8.2	30	9.6
LSCMC17	8403.2	2-year	Trapezoidal	1	30	117.7	920.46	918.37	1.776	0	0.0	406	13.5
		5-year								0	0.0	406	13.5
		10-year								0	0.0	406	13.5
		25-year								0	0.0	406	13.5
		50-year								0	0.0	406	13.5
	/	100-year	<u>.</u>							2	0.2	406	13.5
LSCMC18	8505.1	2-year	Circular	2	0	14.2	916.52	916.38	0.988	10	7.2	14	4.6
		5-year								10	7.7	14	4.6
		25-year								23	8.3	14	4.6
		50-year								25	8.3	14	4.6
		100-year								25	8.3	14	4.6
LSCMC18	8505.2	2-year	Trapezoidal	1	30	14.2	920.44	920.46	-0.141	0	0.0	79	2.6
		5-year								0	0.0	79	2.6
		10-year								0	0.0	79	2.6
		25-year								0	0.0	79	2.6
		50-year								-3	-0.9	79	2.6
	8110.1	100-year	Special	2	2	41.4	016.67	016 52	0.262	-10	-1.7	19	2.0
LSCIVIC 19	0119.1	z-year 5-year	Special	3	3	41.4	910.07	910.52	0.362	37	9.0	10	4.3
		10-vear								44	10.6	18	4.3
		25-year								52	12.6	18	4.3
		50-year								60	14.4	18	4.3
		100-year								69	16.5	18	4.3
LSCMC19	8119.2	2-year	Circular	0.16	0	41.4	920.25	920.44	0.000	0	0.0	0	0.8
		5-year								0	0.0	0	0.8
		10-year								0	0.0	0	0.8
		25-year								0	-2.1	0	0.8
		100-vear								0	-2.0	0	0.8
LSCMC20	8625.1	2-year	Special	3	3	23.2	916.75	916.67	0.345	26	7.3	15	3.7
		5-year								37	9.1	15	3.7
		10-year								42	10.2	15	3.7
		25-year								45	10.9	15	3.7
		50-year								46	11.2	15	3.7
		100-year								48	11.5	15	3.7
LSCMC20	8625.2	2-year	I rapezoidal	3	30	23.2	920.27	920.25	0.100	0	0.0	454	5.0
		o-year								0	0.0	454	5.0
		25-year								9 50	28	454	5.0
		50-year								58	2.8	454	5.0
		100-year								68	2.8	454	5.0
LSRL0101	8440.1	2-year	Circular	4.5	0	118.8	875.33	871.15	3.519	99	11.1	343	21.5
		5-year								125	12.0	343	21.5
		10-year								136	12.2	343	21.5
		25-year								148	12.6	343	21.5
		50-year								154	12.8	343	21.5
		100-year								163	13.1	343	21.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0101	8440.2	2-vear	Trapezoidal	1	30	118.8	893.12	893.00	0 100	0	0.0	97	32
Lonconor	0110.2	5-vear	Trapozoidai			110.0	000.12	000.00	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0102	8439.1	2-year	Circular	4.5	0	296.0	877.75	875.33	0.818	98	12.3	165	10.4
		5-year								125	13.2	165	10.4
		25-vear								135	13.3	165	10.4
		50-vear								153	13.4	165	10.1
		100-year								162	13.5	165	10.4
LSRL0102	8439.2	2-year	Trapezoidal	1	30	296.0	888.00	887.70	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
LSRI 0103	8256 1	2-vear	Circular	45	0	128.0	879.08	877 75	1 041	98	10.5	186	11 7
Loncorroo	0200.1	5-year	Circular	1.0		120.0	010.00	011.10		125	11.4	186	11.7
		10-year								134	11.8	186	11.7
		25-year								146	12.1	186	11.7
		50-year								153	12.2	186	11.7
		100-year								162	12.3	186	11.7
LSRL0103	8256.2	2-year	Trapezoidal	1	30	128.0	889.00	888.00	0.781	0	0.0	270	9.0
		5-year								0	0.0	270	9.0
		25-year								0	0.0	270	9.0
		50-vear								0	0.0	270	9.0
		100-year								0	0.0	270	9.0
LSRL0104	8442.1	2-year	Circular	4.5	0	317.6	879.68	879.08	0.188	94	8.6	79	5.0
		5-year								121	9.4	79	5.0
		10-year								132	9.8	79	5.0
		25-year								144	10.1	79	5.0
		50-year								151	10.3	79	5.0
LSRI 0104	8442.2	2-vear	Trapezoidal	1	30	317.6	891 01	888.00	0.948	0	0.0	297	9.9
201120101	011212	5-year	riapozoidai			01110		000.00	0.0.10	0	0.0	297	9.9
		10-year								0	0.0	297	9.9
		25-year								0	0.0	297	9.9
		50-year								0	0.0	297	9.9
		100-year								0	0.0	297	9.9
LSRL0105	8441.1	2-year	Circular	4.5	0	275.1	879.89	879.68	0.076	94	6.6	50	3.2
		o-year								121	/.6	50	3.2
		25-year								144	0.2 8 9	50	3.2
		50-year								151	9.3	50	3.2
		100-year								159	9.8	50	3.2
LSRL0105	8441.2	2-year	Trapezoidal	1	30	275.1	890.47	890.01	0.167	0	0.0	125	4.2
		5-year								0	0.0	125	4.2
		10-year								0	0.0	125	4.2
		25-year								0	0.0	125	4.2
		100-year								0	0.0	125	4.2
LSRL0106	8444.1	2-vear	Circular	4.5	0	387.1	880.17	879.89	0.072	79	5.1	49	3.1
		5-year						2. 5.00	5.0.2	98	6.0	49	3.1
		10-year								101	6.2	49	3.1
		25-year								104	6.4	49	3.1
		50-year								105	6.4	49	3.1
		100-year								105	6.5	49	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0106	8444 2	2-vear	Trapezoidal	1	30	387.1	888 76	888.00	0 196	0	0.0	135	4.5
Loncorroo	0111.2	5-vear	Trapozoidai			007.1	000.70	000.00	0.100	0	0.0	135	4.5
		10-year								0	0.0	135	4.5
		25-year								0	0.0	135	4.5
		50-year								0	0.0	135	4.5
		100-year								0	0.0	135	4.5
LSRL0107	8443.1	2-year	Circular	4.5	0	193.8	880.42	880.17	0.129	80	5.0	66	4.1
		5-year								98	6.1	66	4.1
		10-year								101	6.4	66	4.1
		50-vear								104	6.6	00 66	4.1
		100-vear								105	6.6	66	4.1
LSRL0107	8443.2	2-year	Trapezoidal	1	30	193.8	888.95	888.76	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
	/	100-year	<u>.</u>							0	0.0	96	3.2
LSRL0108	8255.1	2-year	Circular	4.5	0	54.5	882.98	880.42	4.706	80	7.8	396	24.9
		5-year								98	8.0	396	24.9
		25-vear								101	8.1	396	24.9
		50-vear								101	8.1	396	24.9
		100-year								105	8.0	396	24.9
LSRL0108	8255.2	2-year	Trapezoidal	1	30	54.5	889.00	888.95	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		50-year								0	0.0	92	3.1
		100-year	Matural	0	10	050.4	000.04	000.00	0.040	0	0.0	92	3.1
LSRL0109	LSRL0109	2-year	Natural	6	12	258.1	883.01	882.98	0.012	61	1.8	446	0.5
		10-vear								73	1.7	440	0.5
		25-year								78	1.7	446	0.5
		50-year								79	1.7	446	0.5
		100-year								83	1.6	446	0.5
LSRL0110	SRL0110A	2-year	Circular	4.5	0	89.0	883.52	883.01	0.573	61	8.6	138	8.7
		5-year								77	8.6	138	8.7
		10-year								80	8.6	138	8.7
		25-year								86	8.7	138	8.7
		50-year								91	8.8	138	8.7
LSRI 0110	SRI 0110B	2-vear	Tranezoidal	1	30	80 0	890 00	880 01	0 100	96 0	0.0	138	0.7 3.2
LONLOTTO	GREUTIOD	5-vear	mapezolual			09.0	030.00	003.91	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0111	LSRL0111	2-year	Natural	7	3	311.7	884.00	883.52	0.154	61	2.3	1406	2.5
		5-year								80	2.3	1406	2.5
		10-year								86	2.3	1406	2.5
		∠5-year								90	2.4	1406	2.5
		100-vear								97 105	2.4	1406	2.5 2.5
LSRL0112	SRL0112A	2-year	Circular	4.5	n	93.1	884 10	884.00	0.107	62	7.0	00+1 60	3.8
		5-year							5	81	7.9	60	3.8
		10-year								89	8.1	60	3.8
		25-year								96	8.3	60	3.8
		50-year								102	8.5	60	3.8
		100-year								111	8.7	60	3.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0112	SRI 0112B	2-vear	Trapezoidal	1	30	93.1	890.00	889.91	0 100	0	0.0	95	32
LOILLOITZ	OREGITED	5-vear	Trapozoidai			00.1	000.00	000.01	0.100	0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LSRL0113	LSRL0113	2-year	Natural	6	1.5	201.4	884.20	884.10	0.050	45	2.2	370	1.1
		5-year								57	2.3	370	1.1
		10-year								60	2.2	370	1.1
		50-vear								72	1.0	370	1.1
		100-vear								87	1.0	370	1.1
LSRL0114	SRL0114A	2-year	Circular	4	0	195.9	885.20	884.20	0.510	44	5.5	95	7.6
		5-year								56	6.1	95	7.6
		10-year								59	6.0	95	7.6
		25-year								68	6.1	95	7.6
		50-year								73	6.1	95	7.6
		100-year								89	6.8	95	7.6
LSRL0114	SRL0114B	2-year	Irapezoidal	1	30	195.9	892.00	891.80	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		25-vear								0	0.0	97	3.2
		50-vear								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0115	LSRL0115	2-year	Natural	6.5	5	305.8	885.83	885.20	0.206	44	2.2	1414	2.2
		5-year								56	2.2	1414	2.2
		10-year								59	2.2	1414	2.2
		25-year								68	2.2	1414	2.2
		50-year								73	2.2	1414	2.2
		100-year	0. 1	0.5			000 50	005.00		91	2.3	1414	2.2
LSRL0116	SRL0116A	2-year	Circular	2.5	0	89.7	886.58	885.83	0.836	44	9.4	35	7.1
		5-year 10-vear								59	11.5	35	7.1
		25-year								69	13.7	35	7.1
		50-year								74	14.7	35	7.1
		100-year								75	14.9	35	7.1
LSRL0116	SRL0116B	2-year	Trapezoidal	1	30	89.7	892.00	891.91	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.3	97	3.2
LSRI 0117	LSRI 0117	2-vear	Natural	6	10	109.7	887 25	886 58	0.611	20 27	2.4	97 1323	3.2
LOILUIII	LORLOTT	5-vear		0	10	109.7	001.20	000.00	0.011	37	2.1	1323	4.0
		10-year								40	2.0	1323	4.0
		25-year								48	2.0	1323	4.0
		50-year								51	1.9	1323	4.0
		100-year								63	1.9	1323	4.0
LSRL0118	8259.1	2-year	Circular	2.5	0	340.6	887.31	887.25	0.018	25	5.6	5	1.0
		5-year								35	7.4	5	1.0
		10-year								38	7.8	5	1.0
		∠5-year								36	7.4	5	1.0
		100-vear								32	1.0	5	1.0
LSRL0118	8259.2	2-year	Trapezoidal	1	30	340.6	892 89	892.00	0.261	02	0.0	156	5.2
		5-year				2.0.0			5.201	0	0.0	156	5.2
		10-year								2	0.9	156	5.2
		25-year								18	2.2	156	5.2
		50-year								28	2.7	156	5.2
		100-year								41	3.1	156	5.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 0119	8387 1	2-vear	Circular	2	0	356.0	803.82	887 31	1 829	25	84	28	9.0
LOILETTS	0007.1	5-vear	Oncular	2		000.0	000.02	007.01	1.025	30	9.4	20	9.0
		10-vear								30	9.4	28	9.0
		25-year								30	9.4	28	9.0
		50-year								30	9.4	28	9.0
		100-year								30	9.4	28	9.0
LSRL0119	8387.2	2-year	Trapezoidal	2	30	356.0	898.90	891.89	1.969	0	0.0	1305	21.8
		5-year								5	2.3	1305	21.8
		10-year								12	2.7	1305	21.8
		25-year								21	2.3	1305	21.8
		50-year								26	2.9	1305	21.8
		100-year								34	2.6	1305	21.8
LSRL0120	8404.1	2-year	Circular	2	0	33.7	894.02	893.82	0.593	25	9.0	16	5.1
		5-year								31	9.9	16	5.1
		10-year								32	10.2	16	5.1
		25-year								33	10.3	16	5.1
		100 year								33	10.3	10	5.1
I SRI 0120	8404 2	2-vear	Tranazoidal	2	30	22.2	808 87	807 00	2 876	აპ ი	0.4	10	0.1 26.2
LONLUIZU	0404.2	∑-year 5-vear	Tapezuluai	2	30	33.7	030.07	031.30	2.010	26	1.5	1577	20.3
		10-vear							L	20	1.5	1577	26.3
		25-year								42	2.2	1577	26.3
		50-vear								48	2.4	1577	26.3
		100-year								57	2.7	1577	26.3
LSRL0121	8260.1	2-year	Circular	1.25	0	76.5	894.48	894.02	0.602	14	11.2	5	3.8
		5-year								14	11.2	5	3.8
		10-year								14	11.2	5	3.8
		25-year								14	11.2	5	3.8
		50-year								14	11.2	5	3.8
		100-year								14	11.2	5	3.8
LSRL0121	8260.2	2-year	Trapezoidal	2	30	76.5	898.95	898.87	0.100	13	1.8	301	5.0
		5-year								31	2.6	301	5.0
		10-year								36	2.8	301	5.0
		25-year								44	3.1	301	5.0
		50-year								49	3.2	301	5.0
	0400.4	100-year	Circular	2.5	0	047	004.40	004.44	0.050	57	3.4	301	5.0
LSRL01401	8428.1	z-year	Circular	2.5	0	84.7	904.16	904.11	0.059	10	2.3	9	1.9
		10-vear								10	2.3	9	1.9
		25-vear								10	2.3	9	1.5
		50-vear								10	2.2		1.9
		100-year								10	2.1	9	1.9
LSRL01401	8428.2	2-year	Trapezoidal	1	30	84.7	907.92	907.84	0.100	5	1.2	94	3.1
		5-year								12	1.8	94	3.1
		10-year								17	2.0	94	3.1
		25-year								22	2.2	94	3.1
		50-year								25	2.4	94	3.1
		100-year								35	2.6	94	3.1
LSRL01402	8380.1	2-year	Circular	2.5	0	238.9	904.32	904.16	0.067	11	2.2	10	2.0
		5-year								11	2.2	10	2.0
		10-year								11	2.2	10	2.0
		25-year								11	2.2	10	2.0
		ou-year								11	2.2	10	2.0
	0200.0	2 year	Tropozoidal		20	000.0	009.05	007.00	0.054	11	2.2	10	2.0
LORLU1402	0300.2	2-year	паредоюа	3	30	238.9	300.05	501.92	0.054	-1	-0.2	410	4.0
		10-vear								<u> </u>	0.7	410	4.0
		25-year								12	1.1	410	4.6
		50-year								15	1.2	410	4.6
		100-year								21	1.3	410	4.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 01403	8379 1	2-vear	Circular	2	0	23.1	904.33	904.32	0.043	11	34	4	12
LOILLOI 100	0070.1	5-vear	onoului	-		20.1	001.00	001.02	0.010	14	4.3	4	1.2
		10-year								15	4.7	4	1.2
		25-year								16	5.1	4	1.2
		50-year								17	5.3	4	1.2
		100-year								18	5.7	4	1.2
LSRL01403	8379.2	2-year	Trapezoidal	3	30	23.1	908.00	907.05	4.109	0	0.0	3131	34.8
		5-year								32	1.6	3131	34.8
		10-year								40	1.8	3131	34.8
		25-year								47	2.0	3131	34.8
		100-year								50	2.0	3131	34.8
LSRI 01501	8427 1	2-vear	Circular	25	0	42.8	904 95	904 51	1 029	41	2.0	30	7 9
LOILLOIDOI	0427.1	5-vear	Oncolar	2.5	0	42.0	304.33	304.31	1.025	41	8.6	39	7.5
		10-vear								41	8.6	39	7.9
		25-year								41	8.6	39	7.9
		50-year								41	8.6	39	7.9
		100-year								41	8.6	39	7.9
LSRL01501	8427.2	2-year	Trapezoidal	3	30	42.8	910.00	908.00	4.675	12	3.1	3805	42.3
		5-year								27	2.3	3805	42.3
		10-year								40	2.6	3805	42.3
		25-year								57	2.8	3805	42.3
		50-year								69	3.1	3805	42.3
		100-year								86	3.4	3805	42.3
LSRL01502	8331.1	2-year	Circular	2.5	0	315.0	909.83	904.95	1.550	43	10.0	47	9.7
		5-year								44	10.1	47	9.7
		10-year								45	10.1	47	9.7
		50-year								45	10.1	47	9.7
		100-year								45	10.2	47	9.7
LSRI 01502	8331.2	2-vear	Trapezoidal	4	30	315.0	914.00	910.00	1 270	.0	0.9	3089	25.7
2011201002	000112	5-year	rapozoidai			0.010	01.100	0.000		22	3.9	3089	25.7
		10-year								35	4.7	3089	25.7
		25-year								52	5.5	3089	25.7
		50-year								64	6.0	3089	25.7
		100-year								81	6.5	3089	25.7
LSRL01503	8330.1	2-year	Circular	2.5	0	23.7	910.00	909.83	0.706	44	10.3	28	5.8
		5-year								46	10.4	28	5.8
		10-year								49	10.5	28	5.8
		25-year								49	10.5	28	5.8
		50-year								50	10.6	28	5.8
	8220.0	100-year	Tropozsidal		20	00 7	014.00	014.00	0.400	50	10.6	28	5.8
LSKL01503	8330.2	∠-year 5-year	rapezoidal	2	30	23.7	914.02	914.00	0.100	11	1.8	263	4.4
		10-veer								32	2.9	203	4.4
		25-vear								50	3.3	203	4.4 4 A
		50-year								70	3.9	263	4.4
		100-year								86	4.2	263	4.4
LSRL0201	8286.1	2-year	Circular	2.5	0	39.8	884.28	879.65	11.630	40	9.7	76	15.4
		5-year								54	11.2	76	15.4
		10-year								58	11.4	76	15.4
		25-year								57	11.4	76	15.4
		50-year								56	11.5	76	15.4
		100-year								56	11.4	76	15.4
LSRL0201	8286.2	2-year	Trapezoidal	1	30	39.8	887.28	887.00	0.703	0	0.0	256	8.5
		5-year								0	0.0	256	8.5
		10-year								0	0.0	256	8.5
		25-year								16	2.9	256	8.5
		50-year								31	3.7	256	8.5
		roo-year								50	4.5	256	8.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-1/001	Natural	4		407.0	885 20	884 20	0.250	26	1 =	020	07
LUNLUZUZ	LUNLUZUZ	5-vear	natulai	4	ə	407.2	000.30	004.20	0.200	50	1.0	929	2.7
		10-year								58	1.4	929	2.7
		25-year								67	1.3	929	2.7
		50-year								79	1.3	929	2.7
		100-year								93	1.4	929	2.7
LSRL0203	8651.1	2-year	Circular	2	0	66.5	885.68	885.30	0.571	36	11.9	16	5.1
		5-year								50	16.3	16	5.1
		10-year								53	16.9	16	5.1
		25-year								53	17.0	16	5.1
		100-year								53	17.0	16	5.1
LSRL0203	8651.2	2-year	Trapezoidal	1	30	66.5	890.93	889.00	2.902	0	0.0	520	17.3
		5-year								0	0.0	520	17.3
		10-year								8	3.4	520	17.3
		25-year								23	5.1	520	17.3
		50-year								32	5.8	520	17.3
1.0		100-year				-				46	6.7	520	17.3
LSRL0204	8287.1	2-year	Circular	2	0	27.2	885.86	885.68	0.662	36	11.3	16	5.2
		o-year								37	11.8	16	5.2
		25-year								37	11.8	10	 5.2
		50-vear								37	11.8	16	5.2
		100-year								37	11.8	16	5.2
LSRL0204	8287.2	2-year	Trapezoidal	2	30	27.2	889.94	889.93	0.037	0	0.0	170	2.8
		5-year								45	2.9	170	2.8
		10-year								57	2.9	170	2.8
		25-year								69	2.8	170	2.8
		50-year								78	2.8	170	2.8
	0050.4	100-year	0	0.5		11.0	000.04	000 54	0.000	90	2.8	170	2.8
LSRL0301	8658.1	2-year	Circular	2.5	0	14.3	880.64	880.54	0.698	108	15.8	22	4.5
		10-vear								119	23.9	22	4.5
		25-year								124	25.1	22	4.5
		50-year								125	25.2	22	4.5
		100-year								127	25.5	22	4.5
LSRL0301	8658.2	2-year	Trapezoidal	1	30	14.3	888.64	888.35	2.025	0	0.0	300	10.0
		5-year								0	0.0	300	10.0
		10-year								3	1.6	300	10.0
		25-year								33	4.2	300	10.0
		100-year								23 81	5.1 6.0	300	10.0
LSRL0302	8290.1	2-vear	Circular	2.5	0	327.7	882.82	880.64	0.665	51	10.3	31	6.3
		5-year		2.0					5.000	50	10.2	31	6.3
		10-year								50	10.1	31	6.3
		25-year								50	10.0	31	6.3
		50-year								49	9.9	31	6.3
		100-year								49	9.9	31	6.3
LSRL0302	8290.2	2-year	Trapezoidal	2	30	327.7	890.32	887.64	0.818	32	3.9	841	14.0
		5-year								71	5.4	841	14.0
		25-vear								93	5.2	041 8/11	14.0
		50-year								136	5.9	841	14.0
		100-year								160	6.2	841	14.0
LSRL0303	8657.1	2-year	Circular	2	0	60.2	883.52	882.82	1.164	43	13.5	23	7.2
		5-year								43	13.4	23	7.2
		10-year								42	13.3	23	7.2
		25-year								42	13.2	23	7.2
		50-year								42	13.2	23	7.2
		100-year								42	13.1	23	7.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 0303	8657.2	2-vear	Trapezoidal	2	30	60.2	890.85	889 32	2 543	58	47	1483	24.7
LOILLOOD	0007.2	5-vear	Trapozoidai			00.2	000.00	000.02	2.010	89	5.0	1483	24.7
		10-year								108	5.0	1483	24.7
		25-year								132	5.3	1483	24.7
		50-year								150	5.3	1483	24.7
		100-year								173	5.4	1483	24.7
LSRL0304	8486.1	2-year	Circular	2	0	154.3	885.02	883.52	0.972	35	10.9	21	6.6
		5-year								35	11.1	21	6.6
		10-year								35	11.1	21	6.6
		25-year								35	11.1	21	6.6
		100-year								34	10.6	21	6.6
I SRI 0304	8486.2	2-vear	Trapezoidal	2	30	154.3	892 02	889 85	1 406	59	4.0	1103	18.4
201120001	0.00012	5-year	riapozoidai				002.02	000.00		89	4.6	1103	18.4
		10-year								106	4.9	1103	18.4
		25-year								130	4.8	1103	18.4
		50-year								147	5.0	1103	18.4
		100-year								170	5.5	1103	18.4
LSRL0305	8485.1	2-year	Circular	2	0	241.7	885.63	885.02	0.252	25	8.0	11	3.4
		5-year								25	7.7	11	3.4
		10-year								24	7.6	11	3.4
		25-year								23	7.3	11	3.4
		50-year								23	7.4	11	3.4
L 6 DL 0205	9495 0	100-year	Tranazaidal	2	20	241 7	902 OF	901.02	0.940	23	1.4	950	3.4
LORLUGUD	0403.2	z-year	Паредоциа	2		241.7	693.05	091.02	0.640	61	1.0	002 852	14.2
		10-vear								73	2.4	852	14.2
		25-vear								89	3.1	852	14.2
		50-year								101	3.4	852	14.2
		100-year								117	3.7	852	14.2
LSRL0306	8289.1	2-year	Circular	2	0	325.5	890.88	885.63	1.613	23	7.1	27	8.5
		5-year								22	7.4	27	8.5
		10-year								23	7.4	27	8.5
		25-year								22	7.1	27	8.5
		50-year								23	7.1	27	8.5
	0000.0	100-year	Tana ana islat			005.5	005.00	000.05	4 4 7 7	23	7.1	27	8.5
LSRL0306	8289.2	2-year	Trapezoidal	2	30	325.5	895.88	892.05	1.177	35	1.7	1009	16.8
		5-year								55 68	2.3	1009	16.8
		25-year								83	3.1	1009	16.8
		50-vear								95	3.4	1009	16.8
		100-year								111	3.7	1009	16.8
LSRL0307	8288.1	2-year	Circular	2	0	69.1	891.55	890.88	0.969	20	8.1	21	6.6
		5-year								21	8.2	21	6.6
		10-year								20	8.2	21	6.6
		25-year								21	8.1	21	6.6
		50-year								21	8.1	21	6.6
		100-year								21	8.2	21	6.6
LSRL0307	8288.2	2-year	I rapezoidal	2	30	69.1	895.55	894.88	0.969	61	2.4	916	15.3
		o-year								81	2.9	916	15.3
		25-vear								93	3.2	910	15.3
		50-vear								109	3.5	916	15.3
		100-vear								137	4.1	916	15.3
LSRL03A01	LSRL03A01	2-year	Circular	2.5	0	23.8	883.12	880.64	10.416	1	0.2	110	22.3
		5-year								1	-0.2	110	22.3
		10-year								8	1.6	110	22.3
		25-year								8	1.6	110	22.3
		50-year								8	1.7	110	22.3
		100-year								9	1.8	110	22.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 03B01	LSRI 03B01	2-vear	Circular	2	0	32.2	885.85	882 82	9 410	6	28	64	20.5
2011200201	2011200201	5-year	onoului				000100	002.02		4	1.3	64	20.5
		10-year								4	1.2	64	20.5
		25-year								-3	0.9	64	20.5
		50-year								3	0.9	64	20.5
		100-year								3	0.9	64	20.5
LSRL0401	8291.1	2-year	Circular	2.5	0	172.2	890.03	884.43	3.252	85	17.8	69	14.0
		5-year								85	17.8	69	14.0
		10-year								85	17.7	69	14.0
		50-vear								00 85	17.0	69	14.0
		100-vear								85	17.5	69	14.0
LSRL0401	8291.2	2-year	Trapezoidal	2	30	172.2	894.53	892.00	1.469	102	7.5	1127	18.8
		5-year								191	9.5	1127	18.8
		10-year								245	10.5	1127	18.8
		25-year								316	11.6	1127	18.8
		50-year								369	12.3	1127	18.8
10515		100-year	o: ·				0.5.5.5	000		440	13.2	1127	18.8
LSRL0402	8292.1	2-year	Circular	2.5	0	42.4	890.32	890.03	0.683	79	16.0	31	6.4
		5-year								79	16.0	31	6.4
		25-year								80	16.1	31	6.4
		50-year								80	16.2	31	6.4
		100-vear								80	16.2	31	6.4
LSRL0402	8292.2	2-year	Trapezoidal	3	30	42.4	895.82	894.53	3.040	115	9.1	3068	34.1
		5-year								203	11.2	3068	34.1
		10-year								256	12.2	3068	34.1
		25-year								327	13.3	3068	34.1
		50-year								380	14.1	3068	34.1
		100-year								450	15.0	3068	34.1
LSRL0403	8293.1	2-year	Circular	2.5	0	527.2	893.56	890.32	0.615	41	8.6	30	6.1
		5-year								41	8.6	30	6.1
		25-year								40	0.0 8.5	30	6.1
		50-vear								40	8.4	30	6.1
		100-year								40	8.5	30	6.1
LSRL0403	8293.2	2-year	Trapezoidal	2	30	527.2	898.06	895.82	0.425	120	5.5	606	10.1
		5-year								187	6.5	606	10.1
		10-year								227	7.0	606	10.1
		25-year								280	7.6	606	10.1
		50-year								320	8.0	606	10.1
	00011	100-year	O'muda		-		000.05	000 55	4 005	373	8.4	606	10.1
LSRL0404	8294.1	2-year	Circular	2.5	0	517.7	900.60	893.56	1.360	44	9.0	44	9.0
		10-vear								45	9.0	44	9.0
		25-vear								44	9.0	44	9.0
		50-year								44	9.0	44	9.0
		100-year								44	9.0	44	9.0
LSRL0404	8294.2	2-year	Trapezoidal	1	30	517.7	905.10	899.06	1.167	79	6.3	329	11.0
		5-year								134	7.7	329	11.0
		10-year								166	8.4	329	11.0
		25-year								210	9.2	329	11.0
		50-year								242	9.8	329	11.0
	8205 4	100-year	Circuler	0.5	^	640.0	005 50	000.00	0 775	285	10.4	329	11.0
LOKLU4U5	0295.1	z-year 5-vear	Gircular	2.5	0	043.8	300.59	900.60	0.775	3/ 20	7.5	34	8.0 8.0
		10-vear								38	7.0		6.8
		25-year								38	7.6	34	6.8
		50-year								37	7.6	34	6.8
		100-year								36	7.6	34	6.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0405	8295.2	2-vear	Trapezoidal	1	30	643.8	910.51	906 10	0.685	65	50	252	84
201120100	020012	5-year	riapozoidai			0.010	0.0101	000.10	0.000	110	6.1	252	8.4
		10-year								136	6.6	252	8.4
		25-year								171	7.3	252	8.4
		50-year								198	7.7	252	8.4
		100-year								232	8.2	252	8.4
LSRL0406	8661.1	2-year	Circular	2	0	27.2	905.63	905.59	0.147	42	13.3	8	2.4
		5-year								45	14.2	8	2.4
		10-year								42	13.4	8	2.4
		50-year								36	11.3	8	2.4
		100-year								37	11.6	8	2.4
LSRL0406	8661.2	2-year	Trapezoidal	3	30	27.2	910.55	910.51	0.147	81	4.2	643	7.1
		5-year								124	4.9	643	7.1
		10-year								150	5.3	643	7.1
		25-year								184	5.7	643	7.1
		50-year								210	5.9	643	7.1
	0000 1	100-year	Cine de la	-	-	100.5	000 70	005.00	0.007	244	6.3	643	7.1
LSRL0407	8662.1	2-year	Circular	2	0	122.9	906.72	905.63	0.887	25	8.0	20	6.3
		10-vear								25	0.0 7 9	20	6.3
		25-year								25	8.0	20	6.3
		50-year								25	8.0	20	6.3
		100-year								25	8.0	20	6.3
LSRL0407	8662.2	2-year	Trapezoidal	2	30	122.9	912.55	910.55	1.627	43	3.3	1186	19.8
		5-year								72	4.2	1186	19.8
		10-year								89	4.6	1186	19.8
		25-year								112	5.1	1186	19.8
		50-year								129	5.4	1186	19.8
	0040.4	100-year	0	0	0	077.0	040.04	000 70	1 100	152	5.8	1186	19.8
LSRL0408	8316.1	2-year	Circular	2	0	677.9	916.21	906.72	1.400	23	7.9	25	7.9
		10-vear								23	7.9	25	7.9
		25-year								23	7.6	25	7.9
		50-year								23	7.6	25	7.9
		100-year								23	8.1	25	7.9
LSRL0408	8316.2	2-year	Trapezoidal	1	30	677.9	920.46	912.55	1.167	44	5.0	329	11.0
		5-year								72	6.1	329	11.0
		10-year								89	6.6	329	11.0
		25-year								112	7.2	329	11.0
		50-year								128	/.6	329	11.0
I SRI 0501	8037 1	2-vear	Rectangular	F	6	711 7	801 11	885 10	0 807	150	0.1 Q /	329 350	11.0
LOILUOUT	0037.1	5-year	rectariguial	5	0	744.7	031.11	005.10	0.007	200	9.4	352	11.7
		10-year								237	10.0	352	11.7
		25-year								318	11.2	352	11.7
		50-year								334	11.5	352	11.7
		100-year								331	11.4	352	11.7
LSRL0501	8037.2	2-year	Trapezoidal	1	30	744.7	898.11	893.60	0.606	0	0.0	237	7.9
		5-year								0	0.0	237	7.9
		10-year								0	0.0	237	7.9
		∠5-year								0	0.0	237	7.9
		100-vear								0	0.0	237	7.9 7 Q
LSRL0502	8043.1	2-year	Rectangular	5	6	178 1	891 84	891.11	0.410	151	10.3	251	8.4
		5-year	guidi						50	200	11.2	251	8.4
		10-year								237	11.7	251	8.4
		25-year								317	12.3	251	8.4
		50-year								334	12.3	251	8.4
		100-year								327	12.2	251	8.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0502	8043.2	2-vear	Trapezoidal	1	30	178 1	899.00	898 11	0.500	0	0.0	216	72
LOILLOODE	0010.2	5-vear	Tapozoidai			170.1	000.00	000.11	0.000	0	0.0	216	7.2
		10-year								0	0.0	216	7.2
		25-year								0	0.0	216	7.2
		50-year								0	0.0	216	7.2
		100-year								0	0.0	216	7.2
LSRL0601	8342.1	2-year	Circular	2.5	0	369.1	894.08	891.84	0.607	44	8.9	30	6.0
		5-year								48	9.8	30	6.0
		10-year								48	9.9	30	6.0
		25-year								48	9.9	30	6.0
		100-year								40	9.0	30	6.0
LSRI 0601	8342.2	2-vear	Trapezoidal	1	30	369 1	899 58	899.00	0 157	0	0.0	121	4.0
Loncesson	0012.2	5-vear	Trapozoidai			000.1	000.00	000.00	0.107	28	2.4	121	4.0
		10-year								45	2.9	121	4.0
		25-year								64	3.4	121	4.0
		50-year								78	3.7	121	4.0
		100-year								98	4.0	121	4.0
LSRL0602	8666.1	2-year	Circular	2.5	0	259.4	895.08	894.08	0.385	38	7.8	24	4.8
		5-year								36	7.2	24	4.8
		10-year								34	6.9	24	4.8
		25-year								34	6.9	24	4.8
		50-year								34	6.8	24	4.8
	8666.0	100-year	Tranazaidal	2	20	250.4	000 59	909 F9	0 771	33	0.7	24	4.8
LSRL0602	8000.2	2-year	Trapezoidai	2	30	259.4	900.58	898.58	0.771	17	2.3	817	13.0
		10-vear								59	3.1	817	13.6
		25-year								76	2.8	817	13.6
		50-year								89	3.7	817	13.6
		100-year								105	3.3	817	13.6
LSRL0603	8282.1	2-year	Circular	1.75	0	73.5	896.62	895.08	2.096	27	11.3	21	8.9
		5-year								22	9.1	21	8.9
		10-year								22	9.1	21	8.9
		25-year								21	8.7	21	8.9
		50-year								21	8.7	21	8.9
	0000.0	100-year	Transsidal	0	20	70 5	002.04	000 50	2.240	21	8.7	21	8.9
LSRL0603	8282.2	2-year	i rapezoidai	2	30	73.5	902.04	899.58	3.348	9	0.5	1702	28.4
		10-vear								22	1.1	1702	20.4
		25-vear								40	1.7	1702	28.4
		50-year								47	2.0	1702	28.4
		100-year								57	2.3	1702	28.4
LSRL0604	8281.1	2-year	Circular	1.75	0	176.8	898.83	896.62	1.250	18	8.2	16	6.8
		5-year								18	8.2	16	6.8
		10-year								18	8.2	16	6.8
		25-year								18	8.2	16	6.8
		50-year								18	8.2	16	6.8
	00515	100-year	-			4	007.5	00 (1)		18	8.1	16	6.8
LSRL0604	8281.2	2-year	I rapezoidal	2	30	176.8	905.08	901.04	2.285	13	2.8	1406	23.4
		o-year								25	3.6	1406	23.4
		25-year								33 42	3.3 3.0	1400	23.4
		50-year								42	3.9	1406	23.4
		100-year								59	4.5	1406	23.4
LSRL0605	8665.1	2-year	Circular	1.25	0	54.2	900.07	898.83	2.290	18	14.4	9	7.4
		5-year								18	14.5	9	7.4
		10-year								18	14.5	9	7.4
		25-year								18	14.5	9	7.4
		50-year								18	14.5	9	7.4
		100-year								18	14.5	9	7.4
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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LSRI 0605	8665.2	2-vear	Trapezoidal	2	30	54.2	905 74	904.08	3.065	23	37	1628	27.1
LOI LOUGO	0000.2	5-vear	Trapozoidai			01.2	000.11	001.00	0.000	35	4.0	1628	27.1
		10-year								42	3.8	1628	27.1
		25-year								52	4.3	1628	27.1
		50-year								59	3.5	1628	27.1
		100-year								69	4.4	1628	27.1
LSRL0606	8664.1	2-year	Circular	1.25	0	77.4	901.59	900.07	1.964	13	10.8	8	6.9
		5-year								13	10.8	8	6.9
		10-year								13	10.8	8	6.9
		25-year								13	10.8	8	6.9
		100-year								13	10.8	8	6.9
LSRL0606	8664.2	2-vear	Trapezoidal	2	30	77.4	906.34	904.74	2.067	24	3.2	1337	22.3
		5-year								37	3.7	1337	22.3
		10-year								44	3.8	1337	22.3
		25-year								53	3.8	1337	22.3
		50-year								61	3.9	1337	22.3
		100-year								70	3.5	1337	22.3
LSRL0607	8663.1	2-year	Circular	1.25	0	40.2	903.02	901.59	3.556	12	9.7	11	9.2
		5-year								12	9.9	11	9.2
		10-year								12	9.8	11	9.2
		25-year								12	9.9	11	9.2
		100-year								12	9.0	11	9.2
LSRI 0607	8663.2	2-vear	Trapezoidal	2	30	40.2	906.35	905.34	2 512	29	2.7	1474	24.6
201120001	000012	5-year	riapozoidai				000.00	000101	2.0.12	41	2.7	1474	24.6
		10-year								48	2.4	1474	24.6
		25-year								58	2.9	1474	24.6
		50-year								65	2.9	1474	24.6
		100-year								75	3.2	1474	24.6
LSRL0701	8333.1	2-year	Circular	2.5	0	298.9	898.32	893.82	1.505	36	7.8	47	9.5
		5-year								46	9.3	47	9.5
		10-year								48	9.8	47	9.5
		25-year								49	9.9	47	9.5
		100-year								49	9.9	47	9.5
LSRL0701	8333.2	2-vear	Trapezoidal	1	30	298.9	903.65	902.00	0.552	0	0.0	227	7.6
		5-year								0	0.0	227	7.6
		10-year								4	1.5	227	7.6
		25-year								28	3.3	227	7.6
		50-year								43	3.9	227	7.6
		100-year								60	4.5	227	7.6
LSRL0702	8334.1	2-year	Circular	2.5	0	255.2	901.89	898.32	1.399	32	8.7	45	9.2
		5-year								46	9.3	45	9.2
		10-year								51	10.4	45	9.2
		50-vear								50	10.3	40 45	9.2
		100-vear								50	10.2	45	9.2
LSRL0702	8334.2	2-year	Trapezoidal	3	30	255.2	907.89	902.65	2.053	0	0.0	2521	28.0
		5-year								0	0.0	2521	28.0
		10-year								4	0.3	2521	28.0
		25-year								23	1.1	2521	28.0
		50-year								33	1.5	2521	28.0
		100-year								45	1.9	2521	28.0
LSRL0703	8335.1	2-year	Circular	2	0	219.5	907.52	901.89	2.566	32	12.2	34	10.7
		5-year								41	12.9	34	10.7
		10-year								40	12.6	34	10.7
		20-year								40	12.0	34	10.7
		100-vear								39	12.5	34	10.7
											12.7	54	10.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
SPI 0702	8225.2	2-vear	Trapezoidol		20	210 F	013 50	006 00	3 024	(J. J)		1617	26.0
LUNLU/UJ	0000.2	5-vear	Tapezolual	2		219.0	313.32	300.09	3.021	7	3.2	1617	20.9 26 Q
		10-year								23	4.7	1617	26.9
		25-year								38	3.9	1617	26.9
		50-year								47	4.1	1617	26.9
		100-year								60	4.3	1617	26.9
LSRL0704	8336.1	2-year	Circular	2	0	307.8	912.46	907.52	1.605	32	11.0	27	8.5
		5-year								36	11.6	27	8.5
		10-year								36	11.4	27	8.5
		25-year								34	11.0	27	8.5
		100-year								34	11.9	27	8.5
LSRL0704	8336.2	2-vear	Trapezoidal	2	30	307.8	918.38	912.52	1.904	0	0.0	1283	21.4
201120701	000012	5-year	riapozoidai				0.000	0.2.02		21	3.2	1283	21.4
		10-year								32	3.5	1283	21.4
		25-year								45	3.5	1283	21.4
		50-year								54	3.6	1283	21.4
		100-year								67	4.6	1283	21.4
LSRL0705	8337.1	2-year	Circular	2	0	136.2	914.05	912.46	1.167	31	9.9	23	7.2
		5-year								31	9.9	23	7.2
		10-year								31	9.9	23	7.2
		25-year								31	9.9	23	7.2
		100-year								31	9.9	23	7.2
LSRI 0705	8337.2	2-vear	Trapezoidal	2	30	136.2	919 22	917.38	1 351	2	1.4	1081	18.0
LOILLOI	0007.2	5-vear	Trapezoidai	2		100.2	515.22	517.50	1.001	32	3.4	1081	18.0
		10-year								42	3.2	1081	18.0
		25-year								55	3.4	1081	18.0
		50-year								64	3.3	1081	18.0
		100-year								77	3.1	1081	18.0
LSRL0706	8338.1	2-year	Circular	2	0	297.6	917.90	914.05	1.294	27	8.4	24	7.6
		5-year								24	8.0	24	7.6
		10-year								23	7.8	24	7.6
		25-year								24	7.9	24	7.6
		100-year								24	7.9	24	7.0
LSRI 0706	8338.2	2-vear	Trapezoidal	1	30	297.6	922 23	920 22	0.675	10	2.3	251	8.4
Lonco	0000.2	5-vear	Trapozoidai			207.0	022.20	020.22	0.070	25	3.4	251	8.4
		10-year								34	3.8	251	8.4
		25-year								45	4.3	251	8.4
		50-year								54	4.6	251	8.4
		100-year								65	4.9	251	8.4
LSRL0707	8339.1	2-year	Circular	2	0	321.3	919.80	917.90	0.591	24	7.8	16	5.1
		5-year								24	7.9	16	5.1
		10-year								25	8.1	16	5.1
		∠5-year								23	1.7	16	5.1
		100-year								22	7.5	16	5.1
LSRL0707	8339.2	2-vear	Trapezoidal	1	30	321.3	923 88	923 23	0 202	16	2.0	137	4.6
	5000.2	5-year				0_1.0	0.00		0.202	30	2.6	137	4.6
		10-year								39	2.9	137	4.6
		25-year								50	3.2	137	4.6
		50-year								59	3.4	137	4.6
		100-year								70	3.7	137	4.6
LSRL0801	SRL0801A	2-year	Circular	2	0	37.5	898.04	896.70	3.571	45	17.2	23	7.4
		5-year								55	17.5	23	7.4
		10-year								58	18.2	23	7.4
		50-year								58 58	10.3	23 22	7.4 7.4
		100-vear								59	18.5	23	7.4
											10.0	20	7.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L SRI 0801	SRI 0801B	2-vear	Trapezoidal	10	30	37.5	903.04	903.00	0 100	0	0.0	3433	11.4
LOILLOODT	OREGOUID	5-vear	Trapezoidai	10	50	57.5	505.04	303.00	0.100	0	0.0	3433	11.4
		10-year								20	2.7	3433	11.4
		25-year								56	3.6	3433	11.4
		50-year								79	4.2	3433	11.4
		100-year								108	4.6	3433	11.4
LSRL0802	LSRL0802	2-year	Natural	7	6	252.5	900.00	898.04	0.776	40	4.4	3965	5.8
		5-year								66	4.2	3965	5.8
		10-year								83	4.1	3965	5.8
		25-year								112	4.0	3965	5.8
		50-year								130	4.2	3965	5.8
	SDI 08024	2 voor	Circular	2	0	12.2	000 56	000.00	1 202	154	4.2	3905	5.0 7.6
LORLUGUS	SKLUBUSA	5-vear	Circular	2	0	43.3	900.50	900.00	1.292	40	12.0	24	7.0
		10-vear								42	13.3	24	7.0
		25-year								42	13.3	24	7.6
		50-year								42	13.4	24	7.6
		100-year								43	13.4	24	7.6
LSRL0803	SRL0803B	2-year	Trapezoidal	5	30	43.3	904.00	903.96	0.100	0	0.0	1168	7.8
		5-year								28	2.7	1168	7.8
		10-year								51	3.4	1168	7.8
		25-year								80	4.1	1168	7.8
		50-year								100	4.4	1168	7.8
		100-year								124	4.8	1168	7.8
LSRL0804	LSRL0804	2-year	Natural	5	5	337.4	905.73	900.56	1.532	22	1.4	8619	7.6
		5-year								32	1.4	8619	7.6
		10-year								38	1.4	8619	7.6
		20-year								40 52	1.4	8610	7.0
		100-year								<u>52</u> 60	1.4	8619	7.0
LSRI 0901	8372 1	2-vear	Circular	2	0	163.5	899 70	896.81	1 767	3	4.5	28	8.9
Loncesson	0072.1	5-vear	onoului			100.0	000.70	000.01	1.101	4	9.1	28	8.9
		10-year								4	4.6	28	8.9
		25-year								5	4.7	28	8.9
		50-year								6	3.5	28	8.9
		100-year								6	3.3	28	8.9
LSRL0901	8372.2	2-year	Trapezoidal	1	30	163.5	906.05	905.89	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
	9271 4	2-vear	Circular	4		54.0	001 05	800 70	2 460	0	0.0	95	3.2
LORLUYUZ	03/1.1	2-year	Circular	1	0	54.9	901.05	099.70	2.400	3	0.2 12 F	5	0.0 6.6
		10-vear								4	8.7	5	6.6
		25-year									13.7	5	6.6
		50-year								6	8.6	5	6.6
		100-year								6	8.9	5	6.6
LSRL0902	8371.2	2-year	Trapezoidal	1	30	54.9	906.10	906.05	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		50-year								0	0.0	92	3.1
		100-year						-		0	0.0	92	3.1
LSRL0903	8370.1	2-year	Circular	1	0	100.8	902.30	901.05	1.240	3	5.3	4	4.7
		5-year								4	10.6	4	4.7
		10-year								4	7.3	4	4.7
		20-year								5	7.1	4	4.7
		100-year								0	1.2	4	4.7 4.7
	1	.00 you		1	1					0	17.5	4	7.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0903	8370.2	2-vear	Trapezoidal	1	30	100.8	906.30	906 10	0 198	<u>،</u>	0.0	136	45
LOI LOUGO	0010.2	5-year	Trapozoidai			100.0	000.00	000.10	0.100	0	0.0	136	4.5
		10-year								0	0.0	136	4.5
		25-year								0	0.0	136	4.5
		50-year								0	0.0	136	4.5
		100-year								0	0.0	136	4.5
LSRL0904	8369.1	2-year	Circular	1	0	65.0	903.98	902.30	2.587	3	12.4	5	6.8
		5-year								4	7.9	5	6.8
		10-year								4	9.3	5	6.8
		50-vear								5	7.2	5	6.8
		100-year								6	7.3	5	6.8
LSRL0904	8369.2	2-year	Trapezoidal	1	30	65.0	906.98	905.30	2.587	0	0.0	491	16.4
		5-year								0	0.0	491	16.4
		10-year								0	0.0	491	16.4
		25-year								0	0.0	491	16.4
		50-year								0	0.9	491	16.4
		100-year								2	1.0	491	16.4
LSRL09A01	SRL09A01A	2-year	Circular	2.5	0	94.6	899.65	896.81	3.003	36	8.6	66	13.4
		5-year								47	9.8	66	13.4
		25-vear								52	9.9	00 66	13.4
		50-vear								55	11.2	66	13.4
		100-year								59	12.0	66	13.4
LSRL09A01	SRL09A01B	2-year	Trapezoidal	3	30	94.6	906.00	905.89	0.116	0	0.0	600	6.7
		5-year								0	0.0	600	6.7
		10-year								0	0.0	600	6.7
		25-year								0	0.0	600	6.7
		50-year								0	0.0	600	6.7
		100-year								0	0.0	600	6.7
LSRL09A02	LSRL09A02	2-year	Natural	4.8	10	1257.0	916.18	899.65	1.315	18	1.8	1545	8.2
		5-year								20	2.0	1545	8.2
		25-vear								37	2.1	1545	8.2
		50-year								42	2.1	1545	8.2
		100-year								48	2.1	1545	8.2
LSRL09A03	SRL09A03A	2-year	Circular	2	0	103.7	917.18	916.18	0.964	18	9.2	21	6.6
		5-year								25	11.0	21	6.6
		10-year								27	11.2	21	6.6
		25-year								28	11.3	21	6.6
		50-year								29	11.4	21	6.6
	SBI 00402B	2-vear	Tranazoidal	4	20	102 7	020.00	010.00	0 100	30	11.5	21	0.0
LONLUSAUS	SILUSAUSE	5-year	Tapezulual		30	103.7	320.00	313.30	0.100	0	0.0	95	3.2
		10-year								4	1.1	95	3.2
		25-year								10	1.6	95	3.2
		50-year								14	1.8	95	3.2
		100-year								19	2.1	95	3.2
LSRL09B01	LSRL09B01	2-year	Circular	1	0	42.3	901.05	899.70	3.193	0	0.0	6	7.5
		5-year								0	0.0	6	7.5
		10-year								0	-0.1	6	7.5
		25-year								0	-0.3	6	7.5
		100-vear								0	-0.3	6	7.5 7.5
LSRI 1001	8368 1	2-vear	Circular	2 67	n	243.0	899 92	896 81	1 280	۵ ۵	3.6	51	9.2
	5000.1	5-year		2.07		2.0.0		20001		13	3.8	51	9.2
		10-year								15	4.2	51	9.2
		25-year								19	5.1	51	9.2
		50-year								21	5.5	51	9.2
		100-year								25	6.1	51	9.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 1001	8368.2	2-vear	Trapezoidal	1	30	243.0	906.13	905.89	0 100	0	0.0	96	32
LOILLIGOT	0000.2	5-vear	Trapozoidai			210.0	000.10	000.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRL1002	8446.1	2-year	Circular	1.25	0	41.9	900.50	899.92	1.385	7	7.7	7	5.8
		5-year								10	9.3	7	5.8
		10-year								12	10.1	/	5.8
		50-vear								15	12.5	7	5.8
		100-vear								20	15.6	7	5.8
LSRL1002	8446.2	2-year	Trapezoidal	2	30	41.9	906.17	906.13	0.100	0	0.0	287	4.8
		5-year								0	0.0	287	4.8
		10-year								0	0.0	287	4.8
		25-year								0	0.0	287	4.8
		50-year								0	0.0	287	4.8
		100-year								0	0.0	287	4.8
LSRL1003	8445.1	2-year	Circular	1.25	0	110.4	902.11	900.50	1.458	7	6.8	7	5.9
		5-year								10	8.4	7	5.9
		10-year								11	9.2	7	5.9
		50-vear								11	9.2	7	5.9
		100-vear								11	9.2	7	5.9
LSRL1003	8445.2	2-vear	Trapezoidal	2	30	110.4	906.36	906.17	0.172	0	0.0	386	6.4
		5-year								0	0.0	386	6.4
		10-year								0	0.3	386	6.4
		25-year								5	1.3	386	6.4
		50-year								8	1.6	386	6.4
		100-year								13	1.9	386	6.4
LSRL1004	8367.1	2-year	Circular	1.25	0	59.3	903.32	902.11	2.040	7	7.3	9	7.0
		5-year								10	7.9	9	7.0
		10-year								10	8.1	9	7.0
		50-year								10	8.1	9	7.0
		100-vear								10	8.1	9	7.0
LSRL1004	8367.2	2-year	Trapezoidal	2	30	59.3	906.57	905.36	2.040	0	0.0	1328	22.1
		5-year								2	1.7	1328	22.1
		10-year								8	1.9	1328	22.1
		25-year								12	2.2	1328	22.1
		50-year								14	2.1	1328	22.1
		100-year								17	2.2	1328	22.1
LSRL1101	8351.1	2-year	Circular	2.5	0	240.5	899.25	897.00	0.935	40	8.1	37	7.5
		5-year								48	9.7	37	7.5
		25-vear								57	11.6	37	/.5 7 5
		50-vear								58	11.7	37	7.5
		100-year								59	11.9	37	7.5
LSRL1101	8351.2	2-year	Trapezoidal	3	30	240.5	906.24	906.00	0.100	0	0.0	556	6.2
		5-year								0	0.0	556	6.2
		10-year								1	0.5	556	6.2
		25-year								12	1.6	556	6.2
		50-year								31	2.4	556	6.2
		100-year								51	3.0	556	6.2
LSRL1102	8350.1	2-year	Circular	2.5	0	240.6	902.72	899.25	1.442	40	9.3	46	9.3
		o-year								48	9.7	46	9.3
		25-year								49	9.9	40	9.3
		50-year								50	10.0	46	9.3
		100-year				_				50	10.0	46	9.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 1102	8350.2	2-vear	Trapezoidal	4	30	240.6	908 64	906 24	0.998	0	0.0	2738	22.8
201121102	000012	5-year	riapozoidai			2.010		000.21	0.000	0	0.0	2738	22.8
		10-year								20	3.5	2738	22.8
		25-year								31	4.1	2738	22.8
		50-year								52	4.4	2738	22.8
		100-year								72	4.8	2738	22.8
LSRL1103	8347.1	2-year	Circular	2.5	0	155.0	904.87	902.72	1.387	40	10.2	45	9.1
		5-year								52	10.5	45	9.1
		10-year								54	10.8	45	9.1
		50-vear								55	11.0	40	9.1
		100-vear								55	11.2	45	9.1
LSRL1103	8347.2	2-year	Trapezoidal	2	30	155.0	911.04	907.64	2.193	0	0.0	1377	23.0
		5-year								0	0.0	1377	23.0
		10-year								13	0.8	1377	23.0
		25-year								23	1.2	1377	23.0
		50-year								43	1.9	1377	23.0
		100-year								62	2.6	1377	23.0
LSRL1104	8346.1	2-year	Circular	2	0	122.2	907.85	904.87	2.439	18	7.8	33	10.4
		5-year								26	8.1	33	10.4
		10-year								28	9.0	33	10.4
		25-year								30	9.5	33	10.4
		100-year								30	9.6	33	10.4
I SRI 1104	8346.2	2-vear	Trapezoidal	2	30	122.2	913 52	910.04	2 848	0	0.0	1570	26.2
201121101	001012	5-year	riapozoidai				0.0102	0.0101	2.0.10	0	0.0	1570	26.2
		10-year								0	0.0	1570	26.2
		25-year								0	0.0	1570	26.2
		50-year								13	0.7	1570	26.2
		100-year								20	1.0	1570	26.2
LSRL1105	8353.1	2-year	Circular	2	0	222.7	912.61	907.85	2.137	18	10.2	31	9.8
		5-year								25	10.4	31	9.8
		10-year								25	10.4	31	9.8
		50-vear								32	10.5	31	9.0
		100-vear								32	10.5	31	9.8
LSRL1105	8353.2	2-vear	Trapezoidal	2	30	222.7	917.94	912.52	2.433	0	0.0	1451	24.2
		5-year								0	0.0	1451	24.2
		10-year								0	0.0	1451	24.2
		25-year								1	0.1	1451	24.2
		50-year								12	0.9	1451	24.2
		100-year								20	1.2	1451	24.2
LSRL1106	8357.1	2-year	Circular	1.75	0	152.7	915.38	912.61	1.814	18	9.6	20	8.2
		5-year								25	10.3	20	8.2
		10-year								25	10.5	20	8.2
		50-vear								20 27	10.9	20 20	8.2 8.2
		100-vear								27	11.2	20	8.2
LSRL1106	8357.2	2-year	Trapezoidal	2	30	152.7	920.46	916.94	2.305	0	0.0	1412	23.5
		5-year		_						0	0.0	1412	23.5
		10-year								0	0.0	1412	23.5
		25-year								17	3.4	1412	23.5
		50-year								23	3.6	1412	23.5
		100-year								30	3.8	1412	23.5
LSRL1107	8365.1	2-year	Circular	1.5	0	236.5	918.03	915.38	1.120	4	4.7	10	5.8
		5-year								6	5.3	10	5.8
		10-year								7	5.5	10	5.8 5.9
		50-vear								0	5.8 5.0	10	 5 ຂ
		100-year								11	6.3	10	5.8
	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRL 1107	8365.2	2-vear	Trapezoidal		. ,	236.5	922 53	919 46	1 298	<u>،</u>	0.0	348	11.6
LOILETTO	0000.2	5-vear	Trapozoidai			200.0	022.00	010.10	1.200	0	0.0	348	11.6
		10-year								0	0.0	348	11.6
		25-year								0	0.0	348	11.6
		50-year								0	0.0	348	11.6
		100-year								0	0.0	348	11.6
LSRL1108	8360.1	2-year	Circular	1.5	0	38.4	918.40	918.03	0.963	4	5.2	10	5.4
		5-year								6	5.8	10	5.4
		10-year								7	6.0	10	5.4
		25-year								8	6.3	10	5.4
		100-year								11	6.6	10	5.4
LSRI 1108	8360.2	2-vear	Trapezoidal	1	30	38.4	921 90	921 53	0.963	0	0.0	299	10.0
201121100	0000.2	5-year	rapozoidai				021100	021100	0.000	0	0.0	299	10.0
		10-year								0	0.0	299	10.0
		25-year								0	0.0	299	10.0
		50-year								0	0.0	299	10.0
		100-year								0	0.0	299	10.0
LSRL1109	LSRL1109	2-year	Circular	1.25	0	160.1	919.99	918.40	0.993	4	5.2	6	4.9
		5-year								6	5.8	6	4.9
		10-year								7	5.9	6	4.9
		25-year								8	6.9	6	4.9
		50-year								9	7.5	6	4.9
		100-year	O'avalar.	1.05		40.4	000.40	040.00	4 077	11	8.4	6	4.9
LSRL1110	LSRL1110	2-year	Circular	1.25	0	46.4	920.49	919.99	1.077	4	5.1	6	5.1
		10-vear								7	5.4	6	5.1
		25-year								8	6.5	6	5.1
		50-vear								9	7.4	6	5.1
		100-year								11	8.4	6	5.1
LSRL11A01	LSRL11A01	2-year	Circular	1.25	0	31.0	904.14	902.72	4.582	1	1.2	13	10.5
		5-year								7	5.8	13	10.5
		10-year								7	5.8	13	10.5
		25-year								7	5.7	13	10.5
		50-year								7	5.8	13	10.5
		100-year								7	5.9	13	10.5
LSRL11A02	LSRL11A02	2-year	Circular	1.25	0	25.1	904.65	904.14	2.036	0	0.9	8	6.4
		5-year								5	4.5	8	6.4
		10-year								5	4.3	8	6.4
		25-year								5	4.3	8	6.4
		100-vear								5	4.0	ס פ	6.4
LSRL11B01	LSRL11B01	2-vear	Circular	1 25	0	33.8	907 47	904 87	7 692	0	5 0 0	17	13.6
20.1211001	20.0211001	5-year	5	1.20	5		551.77	551.07	7.002	6	5.4	17	13.6
		10-year								6	5.3	17	13.6
		25-year								6	5.1	17	13.6
		50-year								6	5.1	17	13.6
		100-year								6	4.7	17	13.6
LSRL11C01	LSRL11C01	2-year	Circular	1.25	0	57.2	909.82	907.85	3.443	0	0.0	11	9.1
		5-year								3	3.6	11	9.1
		10-year								-3	3.3	11	9.1
		25-year								5	3.9	11	9.1
		50-year								5	3.8	11	9.1
1 SPI 11000		2 voor	Circular	1 05		24.0	010.05	000.92	1 070	4	4.4	71	9.1
LORLIIGUZ	LORLIIGUZ	2-year 5-year	Circular	1.25	0	31.3	910.25	909.8 2	1.3/3	1	0.0	7	5.7 5.7
		10-vear								-2	-2.3	7	5.7
		25-year								3	3.3	7	5.7
		50-year								3	3.0	7	5.7
		100-year								3	-2.6	7	5.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 11D01	LSRI 11D01	2-vear	Circular	1 25	0	35.2	913 98	912.61	3 898	0	0.0	12	96
LOKETIDOT	LOIGETTEOT	5-vear	Circular	1.20		00.2	010.00	012.01	0.000	1	0.9	12	9.6
		10-year								1	1.2	12	9.6
		25-year								2	1.5	12	9.6
		50-year								2	1.3	12	9.6
		100-year								2	1.5	12	9.6
LSRL11E01	LSRL11E01	2-year	Circular	1.25	0	30.1	913.35	912.61	2.458	0	-0.1	9	7.7
		5-year								1	0.7	9	7.7
		10-year								1	0.8	9	7.7
		25-year								2	1.6	9	1.1
		100-year								2	1.4	9	7.7
LSRI 11F01	LSRI 11E01	2-vear	Circular	1 25	0	48 5	916 54	915.38	2 394	0	0.3	9	7.7
Loncernion	LOILLINGT	5-vear	Circular	1.20		10.0	010.01	010.00	2.001	4	3.3	9	7.6
		10-year								6	4.9	9	7.6
		25-year								5	4.1	9	7.6
		50-year								5	4.3	9	7.6
		100-year								6	4.9	9	7.6
LSRL11F02	LSRL11F02	2-year	Circular	1.25	0	42.3	917.47	916.54	2.199	0	0.0	9	7.2
		5-year								4	3.8	9	7.2
		10-year								4	4.7	9	7.2
		25-year								4	4.4	9	7.2
		50-year								4	4.5	9	7.2
L 6 DI 1201	9222.4	100-year	Circular	2	0	170 E	800.20	907 45	1.061	4	4.0 5.1	9	7.2
LSRL1201	8332.1	2-year	Circular	2	0	173.5	899.29	897.45	1.061	12	5.1	22	6.9
		10-vear								23	7.5	22	6.9
		25-year								23	7.6	22	6.9
		50-year								23	7.6	22	6.9
		100-year								23	7.6	22	6.9
LSRL1201	8332.2	2-year	Trapezoidal	2	30	173.5	902.00	901.83	0.100	-1	-0.2	291	4.9
		5-year								-27	-1.8	291	4.9
		10-year								-22	-1.3	291	4.9
		25-year								-20	-1.2	291	4.9
		50-year								-19	-1.1	291	4.9
10014000	0074.4	100-year	Cincular	4.05	0	07.0	000 55	000.00	0.000	-21	1.5	291	4.9
LSRL1202	8374.1	2-year	Circular	1.25	0	27.0	899.55	899.29	0.963	12	10.3	6	4.6
		10-vear								14	11.7	6	4.0
		25-vear								14	11.7	6	4.6
		50-year								14	11.7	6	4.6
		100-year								14	11.7	6	4.6
LSRL1202	8374.2	2-year	Trapezoidal	4	30	27.0	902.03	902.00	0.100	0	0.0	867	7.2
		5-year								4	1.3	867	7.2
		10-year								14	2.1	867	7.2
		25-year								23	2.4	867	7.2
		50-year								26	2.6	867	7.2
	00000	100-year	<u>.</u>	_			010	0.05		31	2.7	867	7.2
LSRL1601	8329.1	2-year	Circular	2	0	159.6	910.07	908.44	1.022	13	6.0	21	6.8
		o-year								18	6.5 6 °	21	6.8 م
		25-year								21	0.8	∠ I 21	0.0
		50-year								24	7.0	21 21	6.8
		100-year								26	8.2	21	6.8
LSRL1601	8329.2	2-year	Trapezoidal	1	30	159.6	913.97	913.81	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								4	1.0	96	3.2
		100-year								16	1.9	96	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 1602	8328 1	2-vear	Circular	1	0	284.8	916.46	910.07	2 244	6	77	5	63
LOIGETOOL	0020.1	5-vear	Circular			201.0	010.10	010.07	2.211	6	7.7	5	6.3
		10-year								6	7.7	5	6.3
		25-year								6	7.6	5	6.3
		50-year								6	7.7	5	6.3
		100-year								6	7.6	5	6.3
LSRL1602	8328.2	2-year	Trapezoidal	2	30	284.8	919.21	912.74	2.272	7	3.0	1402	23.4
		5-year								13	3.8	1402	23.4
		10-year								20	4.4	1402	23.4
		25-year								21	4.4	1402	23.4
		100-year								30	4.6	1402	23.4
LSRL1701	8375.1	2-vear	Circular	2	0	125.5	910.56	909.33	0.980	22	7.4	21	6.6
		5-year								22	7.4	21	6.6
		10-year								22	7.3	21	6.6
		25-year								22	7.3	21	6.6
		50-year								22	7.3	21	6.6
		100-year								22	7.3	21	6.6
LSRL1701	8375.2	2-year	Trapezoidal	4	30	125.5	915.39	915.26	0.100	13	1.8	869	7.2
		5-year								40	2.8	869	7.2
		10-year								52	3.2	869	7.2
		25-year								68	3.5	869	7.2
		100-year								95	3.0	869	7.2
LSRI 1702	8327 1	2-vear	Circular	2	0	138.9	916.09	910 56	3 982	34	10.8	42	13.3
LOIGETTOZ	0027.1	5-vear	Oncular	2	0	100.0	510.05	510.50	0.002	39	12.4	42	13.3
		10-year								39	12.4	42	13.3
		25-year								39	12.4	42	13.3
		50-year								39	12.4	42	13.3
		100-year								40	12.5	42	13.3
LSRL1702	8327.2	2-year	Trapezoidal	5	30	138.9	920.42	914.39	4.343	0	0.0	8008	53.4
		5-year								22	1.0	8008	53.4
		10-year								35	1.4	8008	53.4
		25-year								51	1.9	8008	53.4
		100-year								78	2.2	8008	53.4
LSRI 1703	8326.1	2-vear	Circular	2	0	74.6	917 45	916.09	1 824	35	11.3	28	9.0
LOILEITOS	0020.1	5-vear	Oncular	2	0	74.0	517.45	510.05	1.024	36	11.3	28	9.0
		10-year								36	11.4	28	9.0
		25-year								36	11.4	28	9.0
		50-year								36	11.4	28	9.0
		100-year								36	11.5	28	9.0
LSRL1703	8326.2	2-year	Trapezoidal	2	30	74.6	921.53	919.42	2.830	0	0.0	1565	26.1
		5-year								35	2.3	1565	26.1
		10-year								47	2.8	1565	26.1
		25-year								62	3.3	1565	26.1
		100-year								00	3.4	1565	26.1
SRI 1704	8325 1	2-vear	Circular	2	0	201 2	924 48	917 45	2 414	90 90	4.0	1000	10 /
LOILETTOA	0323.1	5-year	Circular	2	0	231.3	324.40	317.43	2.414	32	10.0	33	10.4
		10-year								32	10.0	33	10.4
		25-year								32	10.0	33	10.4
		50-year								32	10.0	33	10.4
		100-year								32	10.0	33	10.4
LSRL1704	8325.2	2-year	Trapezoidal	2	30	291.3	928.15	920.53	2.616	0	0.0	1504	25.1
		5-year								7	0.4	1504	25.1
		10-year								14	0.8	1504	25.1
		25-year								24	1.2	1504	25.1
		50-year								31	1.5	1504	25.1
	l	roo-year	1							41	1.9	1504	25.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L SPI 1705	832/ 1	2-vear	Circular	2	0	61 /	025 58	024.48	1 790	26	10.6	28	80
LOILEITOS	0024.1	5-vear	Oncular	2	0	01.4	525.50	324.40	1.730	31	10.6	28	8.9
		10-year								31	10.6	28	8.9
		25-year								31	10.6	28	8.9
		50-year								32	10.6	28	8.9
		100-year								32	10.6	28	8.9
LSRL1705	8324.2	2-year	Trapezoidal	2	30	61.4	928.16	927.15	1.644	0	0.0	1192	19.9
		5-year								28	2.4	1192	19.9
		10-year								36	2.5	1192	19.9
		50-vear								40 53	2.3	1192	19.9
		100-year								63	2.9	1192	19.9
LSRL17A01	LSRL17A01	2-year	Circular	2	0	29.9	916.81	916.09	2.406	1	0.9	33	10.4
		5-year								1	0.8	33	10.4
		10-year								1	0.7	33	10.4
		25-year								1	0.7	33	10.4
		50-year								1	0.7	33	10.4
		100-year	<u>.</u>							2	0.7	33	10.4
LSRL17B01	LSRL17B01	2-year	Circular	2	0	64.4	918.18	917.45	1.134	5	1.7	22	7.1
		5-year								4	1.0	22	7.1
		25-vear								4	1.0	22	7.1
		50-vear								4	1.6	22	7.1
		100-year								5	1.6	22	7.1
LSRL1801	LSRL1801	2-year	Natural	6	10	246.8	916.74	912.78	1.605	103	2.5	4937	11.8
		5-year								144	2.7	4937	11.8
		10-year								172	2.7	4937	11.8
		25-year								204	2.8	4937	11.8
		50-year								228	2.8	4937	11.8
		100-year	0	0.5		74.0	040.00	040 74	0.504	254	2.9	4937	11.8
LSRL1802	SRL1802A	2-year	Circular	3.5	0	74.3	918.60	916.74	2.504	52	11.0	86	9.0
		10-vear								86	12.9	86	9.0
		25-year								102	14.5	86	9.0
		50-year								114	15.9	86	9.0
		100-year								127	17.3	86	9.0
LSRL1802	SRL1802B	2-year	Trapezoidal	1	30	74.3	928.00	927.93	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRL1803	LSRL1803	2-year	Natural	8	10	416 4	924 00	918.60	1.297	83	4.3	3344	8.4
20.121000	20.121000	5-year		0			021.00	0.0.00		118	4.6	3344	8.4
		10-year								141	4.5	3344	8.4
		25-year								175	4.4	3344	8.4
		50-year								198	4.3	3344	8.4
L		100-year								227	4.2	3344	8.4
LSRL1804	LSRL1804	2-year	Natural	8	12	227.5	924.20	924.00	0.088	62	1.8	997	2.1
		5-year								89	2.1	997	2.1
		25-vear								105	2.2	997	2.1
		50-vear								146	2.4	997	2.1
		100-year								167	2.7	997	2.1
LSRL1805	8321.1	2-year	Circular	2.5	0	315.6	925.00	924.20	0.254	36	7.9	19	3.9
		5-year								38	8.1	19	3.9
		10-year								38	8.0	19	3.9
		25-year								38	8.0	19	3.9
		50-year								38	8.1	19	3.9
		100-year								38	8.0	19	3.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 1805	8321.2	2-vear	Trapezoidal	4	30	315.6	929.00	928.68	0 100	0	0.4	868	72
201121000	002112	5-year	riapozoidai			0.010	020100	020.00	000	15	1.7	868	7.2
		10-year								25	2.2	868	7.2
		25-year								45	2.8	868	7.2
		50-year								55	3.0	868	7.2
		100-year								69	3.3	868	7.2
LSRL1806	8320.1	2-year	Circular	2.5	0	206.3	930.09	925.00	2.468	42	10.0	60	12.2
		5-year								54	11.0	60	12.2
		10-year								64	12.9	60	12.2
		25-year								67	13.4	60	12.2
		100-year								67	13.5	60	12.2
LSRI 1806	8320.2	2-vear	Trapezoidal	5	30	206.3	935 59	928.00	3 680	0	0.0	7372	49.1
LOILLIGGO	0020.2	5-vear	Trapozoidai	0		200.0	000.00	020.00	0.000	0	0.0	7372	49.1
		10-year								0	0.0	7372	49.1
		25-year								16	0.7	7372	49.1
		50-year								26	1.0	7372	49.1
		100-year								40	1.4	7372	49.1
LSRL1807	8319.1	2-year	Circular	2.5	0	160.4	930.70	930.09	0.380	32	7.7	23	4.8
		5-year								45	9.1	23	4.8
		10-year								46	9.2	23	4.8
		25-year								46	9.1	23	4.8
		50-year								45	9.1	23	4.8
		100-year								45	9.0	23	4.8
LSRL1807	8319.2	2-year	Trapezoidal	2	30	160.4	935.02	934.59	0.268	0	0.0	482	8.0
		5-year								3	1.1	482	8.0
		25-vear								55	2.0	402	0.0 8.0
		50-vear								62	2.0	482	8.0
		100-year								71	2.8	482	8.0
LSRL1808	8318.1	2-vear	Circular	2.5	0	54.8	930.91	930.70	0.383	31	6.5	24	4.8
		5-year								44	8.8	24	4.8
		10-year								50	10.1	24	4.8
		25-year								52	10.6	24	4.8
		50-year								53	10.7	24	4.8
		100-year								53	10.8	24	4.8
LSRL1808	8318.2	2-year	Trapezoidal	2	30	54.8	936.41	934.02	4.361	0	0.0	1942	32.4
		5-year								0	0.0	1942	32.4
		10-year								0	0.0	1942	32.4
		25-year								15	0.6	1942	32.4
		100 year								23	0.9	1942	32.4
I SRI 1800	8017 1	2-vear	Special	25	1 50	68.0	032 10	930 01	2 1 8 2	23 21	1.2	1942	32.4
LONLIOUS	0017.1	5-year	opeciai	2.0	1.08	00.2	552.40	330.91	2.103	35	9.9	32	9.7
		10-vear								34	10.7	32	9.7
		25-year								34	10.3	32	9.7
		50-year								34	10.2	32	9.7
		100-year								34	10.1	32	9.7
LSRL1809	8017.2	2-year	Trapezoidal	2	30	68.2	935.57	935.41	0.234	0	0.0	450	7.5
		5-year								32	2.9	450	7.5
		10-year								47	2.9	450	7.5
		25-year								58	2.9	450	7.5
		50-year								65	3.0	450	7.5
		100-year								74	3.0	450	7.5
LSRL18A01	8322.1	2-year	Circular	2	0	388.9	926.26	924.00	0.581	23	7.3	16	5.1
		5-year								27	8.5	16	5.1
		10-year								28	8.9	16	5.1
		50-year								∠ŏ 	9.0	10	5.1 5.1
		100-vear								28	9.1	16	5.1
										20	0.1	10	0.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 18401	8322.2	2-vear	Trapezoidal	1	30	388 0	932.26	932.00	0.067	<u>ر ، ،</u>	0.0	70	26
LONCIONOI	5522.2	5-year				000.9	552.20	0.02.00	0.007	2	0.7	79	2.6
		10-year								9	1.3	79	2.6
		25-year								19	1.8	79	2.6
		50-year								26	2.0	79	2.6
		100-year								34	2.3	79	2.6
LSRL18A02	8425.1	2-year	Circular	2	0	47.4	927.66	926.26	2.954	23	7.9	36	11.5
		5-year								29	9.2	36	11.5
		10-year								30	9.6	36	11.5
		25-year								32	10.0	30	11.5
		100-year								32	10.0	36	11.5
LSRL18A02	8425.2	2-vear	Trapezoidal	2	30	47.4	932.66	931.26	2.954	0	0.0	1598	26.6
		5-year								12	0.8	1598	26.6
		10-year								23	1.2	1598	26.6
		25-year								35	1.5	1598	26.6
		50-year								44	1.8	1598	26.6
		100-year								55	2.1	1598	26.6
LSRL18A03	8424.1	2-year	Circular	2	0	44.1	927.85	927.66	0.431	23	8.5	14	4.4
		5-year								24	8.5	14	4.4
		10-year								23	8.6	14	4.4
		25-year								24	8.6	14	4.4
		100-year								24	0.7 8.8	14	4.4
LSRI 18403	8424.2	2-vear	Trapezoidal	2	30	44 1	931 85	931.66	0 431	0	0.0	610	10.2
LOILETOAGO	0121.2	5-vear	Trapezoidai	2			331.03	331.00	0.401	33	2.1	610	10.2
		10-year								40	2.1	610	10.2
		25-year								48	2.2	610	10.2
		50-year								54	2.2	610	10.2
		100-year								63	2.2	610	10.2
LSRL1901	LSRL1901	2-year	Trapezoidal	2	5	228.2	925.02	915.47	4.185	13	4.8	221	10.1
		5-year								19	4.6	221	10.1
		10-year								22	5.1	221	10.1
		25-year								27	5.3	221	10.1
		100-year								30	0.0	221	10.1
I SRI 1902	8378 1	2-vear	Circular	2	0	254.0	925 17	925.02	0.059	13	5.0 6.8	5	10.1
LOILETBOZ	0370.1	5-year	Circular	2	0	234.0	323.17	323.02	0.000	15	7.5	5	1.0
		10-vear								16	7.6	5	1.6
		25-year								17	7.7	5	1.6
		50-year								17	7.8	5	1.6
		100-year								18	7.8	5	1.6
LSRL1902	8378.2	2-year	Trapezoidal	1	30	254.0	929.50	927.02	0.976	0	0.0	301	10.0
		5-year								3	1.7	301	10.0
		10-year								6	2.2	301	10.0
		25-year								10	2.6	301	10.0
		50-year								13	2.9	301	10.0
SPI 1002	8333 1	2-vear	Circular	0	0	61.0	007 67	025 17	1 000	17	ی. ح م	301	10.0
LONLIGUO	0323.1	∠-year 5-vear		2	0	01.2	921.01	920.17	4.000	13	5.8 6.1	42 42	13.5
		10-year								22	7.1	42	13.5
		25-year								27	8.5	42	13.5
		50-year								30	9.5	42	13.5
		100-year								32	10.0	42	13.5
LSRL1903	8323.2	2-year	Trapezoidal	2	30	61.2	931.00	929.50	2.452	0	0.0	1456	24.3
		5-year								0	0.0	1456	24.3
		10-year								0	0.0	1456	24.3
		25-year								0	0.0	1456	24.3
		50-year								0	0.0	1456	24.3
		100-year								3	0.9	1456	24.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 2001	LSRI 2001	2-vear	Tranezoidal	8	15	137.0	922.92	921 32	1 168	37	22	0080	12.1
LOILLEGOT	LOILLEUUT	5-vear	Trapozoidai	0		107.0	022.02	021.02	1.100	55	2.2	9989	12.1
		10-year								65	2.4	9989	12.1
		25-year								78	2.6	9989	12.1
		50-year								88	2.8	9989	12.1
		100-year								102	2.9	9989	12.1
LSRL2002	8016.1	2-year	Special	2.33	2.67	314.9	926.16	922.92	1.029	31	7.1	33	5.1
		5-year								34	7.5	33	5.1
		10-year								36	7.6	33	5.1
		25-year								37	7.1	33	5.1
		100-year								30	7.0	33	5.1
LSRI 2002	8016.2	2-vear	Trapezoidal	1	30	314.9	931 58	931.00	0 184	6	1.0	131	4.4
201122002	001012	5-year	riapozoidai			01.110			0.101	21	2.2	131	4.4
		10-year								29	2.6	131	4.4
		25-year								41	2.9	131	4.4
		50-year								50	3.2	131	4.4
		100-year								62	3.5	131	4.4
LSRL2003	8317.1	2-year	Circular	2	0	65.9	926.92	926.16	1.153	28	8.9	23	7.2
		5-year								31	9.9	23	7.2
		10-year								32	10.1	23	7.2
		25-year								33	10.4	23	7.2
		50-year								33	10.5	23	7.2
L 6 DI 2002	9217.0	100-year	Tranazaidal	2	20	65.0	021.65	021 59	0.100	32	10.0	23	1.2
LORL2003	0317.2	z-year 5-year	Паредоциа	2		65.9	931.05	931.56	0.100	25 43	2.4	294	4.9
		10-vear								53	3.4	294	4.9
		25-vear								67	3.7	294	4.9
		50-year								77	3.9	294	4.9
		100-year								91	4.1	294	4.9
LSRL2101	8377.1	2-year	Circular	2	0	240.7	934.45	927.61	2.842	27	10.2	35	11.3
		5-year								38	12.0	35	11.3
		10-year								45	14.2	35	11.3
		25-year								48	15.2	35	11.3
		50-year								48	15.2	35	11.3
	0077.0	100-year	Tana ana islat			0.40.7	040 74	0.40.50	0.400	49	15.3	35	11.3
LSRL2101	8377.2	2-year	i rapezoidai	3	30	240.7	942.74	942.50	0.100	0	0.0	557	6.2
		10-vear								0	0.0	557	6.2
		25-year								8	1.3	557	6.2
		50-year								16	1.8	557	6.2
		100-year								27	2.3	557	6.2
LSRL2102	8363.1	2-year	Circular	2	0	119.6	935.90	934.45	1.213	27	9.7	23	7.4
		5-year								38	12.0	23	7.4
		10-year								40	12.5	23	7.4
		25-year								40	12.6	23	7.4
		50-year								40	12.6	23	7.4
		100-year	- ····				o · • • •	0.15		40	12.6	23	7.4
LSRL2102	8363.2	2-year	I rapezoidal	4	30	119.6	942.86	942.74	0.100	0	0.0	865	7.2
		o-year								0	0.0	865	7.2
		25-vear								20 40	2.1	200 865	7.2
		50-year								50	2.9	865	7.2
		100-year								61	3.4	865	7.2
LSRL2103	8364.1	2-year	Circular	2	0	80.5	936.72	935.90	1.019	27	8.3	21	6.8
		5-year								36	11.3	21	6.8
		10-year								36	11.4	21	6.8
		25-year								37	11.5	21	6.8
		50-year								37	11.5	21	6.8
		100-year								37	11.6	21	6.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 2103	8364.2	2-vear	Trapezoidal	3	30	80.5	942 94	942.86	0 100	0	0.0	558	62
201122100	000112	5-year	rapozoidai				0.2.01	0.2.00	000	13	1.9	558	6.2
		10-year								35	2.7	558	6.2
		25-year								47	2.8	558	6.2
		50-year								54	2.9	558	6.2
		100-year								64	3.0	558	6.2
LSRL3C01	LSRL3C01	2-year	Circular	2	0	26.7	887.03	885.02	7.531	5	2.8	54	17.3
		5-year								4	2.6	54	17.3
		10-year								4	2.4	54	17.3
		25-year								4	2.0	54	17.3
		100-year								4	2.0	54	17.3
LSRMC01	LSRMC01	2-vear	Natural	12	15	95.6	866.00	860.95	5 281	968	14.0	38439	35.3
Lontinoor	Loranoo i	5-vear	i tatarai	12	10	00.0	000.00	000.00	0.201	1281	11.0	38439	35.3
		10-year								1455	15.8	38439	35.3
		25-year								1689	16.5	38439	35.3
		50-year								1854	17.0	38439	35.3
		100-year								2081	17.5	38439	35.3
LSRMC04	SRMC04A	2-year	Rectangular	10	10	260.3	871.15	866.00	1.979	905	27.3	2750	27.5
		5-year								1217	30.4	2750	27.5
		10-year								1392	31.9	2750	27.5
		25-year								1626	33.8	2750	27.5
		50-year								1791	35.1	2750	27.5
		100-year								2017	36.6	2750	27.5
LSRMC04	SRMC04B	2-year	Trapezoidal	1	30	260.3	893.26	893.00	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		25-vear								0	0.0	90	3.2
		50-vear								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRMC05	LSRMC05	2-vear	Natural	14	10	499.4	871.87	871.15	0.144	942	1.7	27197	7.4
		5-year								1256	1.8	27197	7.4
		10-year								1431	1.9	27197	7.4
		25-year								1666	1.9	27197	7.4
		50-year								1837	2.0	27197	7.4
		100-year								2085	2.0	27197	7.4
LSRMC06	LSRMC06	2-year	Natural	7	5	1289.2	879.65	871.87	0.603	928	6.1	2883	7.8
		5-year								1252	6.5	2883	7.8
		10-year								1419	6.6	2883	7.8
		25-year								1642	6.8	2883	7.8
		50-year								2044	6.9 7 4	2883	7.8
I SRMC07	SRMC074	2-vear	Rectangular	65	0	83.2	880 54	870 65	1 060	2041 112	1.1	2003 080	1.0
	GRIVICU/A	5-year	rectanyular	0.0	9	03.3	000.04	019.00	1.009	442 594	10.5	900	16.8
		10-vear								674	13.6	980	16.8
		25-year								781	15.2	980	16.8
		50-year								857	16.0	980	16.8
		100-year								949	17.4	980	16.8
LSRMC07	SRMC07B	2-year	Trapezoidal	2	30	83.3	887.35	886.00	1.621	0	0.0	1184	19.7
		5-year								0	0.0	1184	19.7
		10-year								0	0.0	1184	19.7
		25-year								0	0.0	1184	19.7
		50-year								0	0.0	1184	19.7
		100-year								0	0.0	1184	19.7
LSRMC08	SRMC08A	2-year	Rectangular	6.5	9	34.1	880.90	880.54	1.056	406	10.9	974	16.7
		5-year								545	12.4	974	16.7
		10-year								616	13.4	974	16.7
		50-year								710	14.8	974	16.7
		100-vear								873	17.1	974	16.7
	1		1	I	1	1				515		514	.0.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC08	SRMC08B	2-vear	Trapezoidal	1	30	34.1	887.38	887.35	0 100	0	0.0	90	3.0
201411000	ertimetter	5-year	riapozoidai			0	001100	001100	000	0	0.0	90	3.0
		10-year								0	0.0	90	3.0
		25-year								0	0.0	90	3.0
		50-year								0	0.0	90	3.0
		100-year								0	0.0	90	3.0
LSRMC09	LSRMC09	2-year	Natural	7	15	446.4	882.68	880.90	0.399	761	11.3	2243	8.8
		5-year								1015	12.2	2243	8.8
		10-year								1137	12.6	2243	8.8
		25-year								1317	12.9	2243	8.8
		100-year								1430	13.2	2243	8.8
LSRMC10	SRMC10A	2-vear	Rectangular	6.5	85	108.4	883.69	882 68	0 932	380	12.7	851	15.4
Lonaliono	Cruite 10/1	5-vear	rtootarigatai	0.0	0.0	100.1	000.00	002.00	0.002	507	14.2	851	15.4
		10-year								568	14.9	851	15.4
		25-year								658	15.9	851	15.4
		50-year								715	16.5	851	15.4
		100-year								794	17.3	851	15.4
LSRMC10	SRMC10B	2-year	Trapezoidal	1	30	108.4	890.00	889.89	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRMC11	LSRMC11	2-year	Natural	8	15	300.3	884.43	883.69	0.246	761	10.0	3843	7.9
		5-year								1015	10.7	3843	7.9
		25-vear								1316	11.9	3843	7.9
		50-vear								1430	11.0	3843	7.5
		100-year								1585	11.2	3843	7.9
LSRMC12	SRMC12A	2-vear	Rectangular	6.5	7.5	291.8	885.10	884.43	0.230	299	11.0	359	7.4
		5-year								383	12.3	359	7.4
		10-year								448	13.2	359	7.4
		25-year								536	14.1	359	7.4
		50-year								587	14.3	359	7.4
		100-year								681	14.7	359	7.4
LSRMC12	SRMC12B	2-year	Trapezoidal	1	30	291.8	893.60	892.00	0.548	0	0.0	226	7.5
		5-year								0	0.0	226	7.5
		10-year								0	0.0	226	7.5
		25-year								0	0.0	226	7.5
		50-year								0	0.0	226	/.5 7 F
I SRMC13	SRMC13A	2-vear	Rectangular	5 3 3	0	Q1 0	880 71	885 10	5 633	205	12.1	1702	7.0 25.5
LONING 13	SINIU ISA	5-year	rectariyular	0.03	9	01.9	009.71	000.10	0.032	290	14.4	1703	35.5
		10-vear								431	15.0	1703	35.5
		25-year								493	15.9	1703	35.5
		50-year								519	15.9	1703	35.5
		100-year								724	18.6	1703	35.5
LSRMC13	SRMC13B	2-year	Trapezoidal	1	30	81.9	895.04	893.60	1.759	0	0.0	405	13.5
		5-year								0	0.0	405	13.5
		10-year								0	0.0	405	13.5
		25-year								0	0.0	405	13.5
		50-year								0	0.0	405	13.5
		100-year								0	0.0	405	13.5
LSRMC14	LSRMC14	2-year	Natural	6	9	133.3	890.00	889.71	0.217	235	11.3	6259	7.8
		5-year								305	11.3	6259	7.8
		10-year								367	11.3	6259	7.8
		50-year								421	11.3	6259	/.ð 7 0
		100-year								611	11.3	6259	7.8
		i oo year								011	11.5	0239	1.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC15	SRMC15A	2-vear	Rectangular	5	10.5	266.0	890 15	890.00	0.056	235	76	188	36
Lonaliono	Crime to r	5-vear	rtootarigatai	0	10.0	200.0	000.10	000.00	0.000	305	9.0	188	3.6
		10-year								367	10.2	188	3.6
		25-year								413	10.9	188	3.6
		50-year								438	10.9	188	3.6
		100-year								612	11.9	188	3.6
LSRMC15	SRMC15B	2-year	Trapezoidal	1	30	266.0	896.00	895.73	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRMC16	LSRMC16	2-vear	Natural	6	Q	134.9	891.05	890 15	0.667	235	9.0	3161	9.4
Lontworto	Lonword	5-vear	Naturai	0	5	104.0	001.00	050.15	0.007	305	10.1	3161	9.4
		10-vear								366	11.3	3161	9.4
		25-year								413	11.7	3161	9.4
		50-year								438	11.8	3161	9.4
		100-year								607	11.9	3161	9.4
LSRMC18	SRMC18A	2-year	Rectangular	5	9	56.7	891.24	891.05	0.335	235	9.7	379	8.4
		5-year								305	10.6	379	8.4
		10-year								366	11.5	379	8.4
		25-year								411	11.9	379	8.4
		50-year								437	11.9	379	8.4
		100-year								607	12.5	379	8.4
LSRMC18	SRMC18B	2-year	Trapezoidal	1	30	56.7	898.00	897.94	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LSRMC19	SRMC19A	2-vear	Rectangular	4 75	6	179.5	891 84	891 24	0.334	118	7.3	211	7 4
Lorano ro	ertine fort	5-year	rtootarigutai					001121	0.001	152	7.9	211	7.4
		10-year								183	8.6	211	7.4
		25-year								204	8.8	211	7.4
		50-year								219	8.8	211	7.4
		100-year								303	10.2	211	7.4
LSRMC19	SRMC19B	2-year	Trapezoidal	1	30	179.5	899.00	898.00	0.557	0	0.0	228	7.6
		5-year								0	0.0	228	7.6
		10-year								0	0.0	228	7.6
		25-year								0	0.0	228	7.6
		50-year								0	0.0	228	7.6
		100-year	Notural	40	4 000	E00.0	000.00	004.04	0.000	0	0.0	228	/.6
LSKIVIC20	LSKIVIC20	∠-year 5-year	inatural	10	1.833	508.2	893.82	891.84	0.390	469	12.2	44121	17.2
		10-veer								795	12.2	44121 AA121	17.2
		25-vear								956	12.2	44121	17.2
		50-year								1055	12.2	44121	17.2
		100-year								1220	12.2	44121	17.2
LSRMC22	SRMC22A	2-year	Rectangular	6	6	530.6	896.70	893.82	0.543	145	7.2	369	10.2
		5-year	Ŭ Ŭ							203	8.5	369	10.2
		10-year								247	9.2	369	10.2
		25-year								297	9.7	369	10.2
		50-year								319	10.1	369	10.2
		100-year								371	11.2	369	10.2
LSRMC22	SRMC22B	2-year	Trapezoidal	1	30	530.6	903.00	902.00	0.188	0	0.0	132	4.4
		5-year								0	0.0	132	4.4
		10-year								0	0.0	132	4.4
		25-year								0	0.0	132	4.4
		50-year								0	0.0	132	4.4
		100-year								0	0.0	132	4.4

LSRMC23 Pyee Natural C <thc< th=""> <thc< th=""> C <</thc<></thc<>	Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
Description Sympr Description Description <thdescription< th=""> Description <thd< th=""><th>LSRMC23</th><th>LSRMC23</th><th>2-vear</th><th>Natural</th><th>10</th><th>18</th><th>172.8</th><th>896.81</th><th>896.70</th><th>0.064</th><th>397</th><th>4.4</th><th>24982</th><th>6.8</th></thd<></thdescription<>	LSRMC23	LSRMC23	2-vear	Natural	10	18	172.8	896.81	896.70	0.064	397	4.4	24982	6.8
Image Image <th< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>556</td><td>4.5</td><td>24982</td><td>6.8</td></th<>			5-year								556	4.5	24982	6.8
styme <tt< td=""><td></td><td></td><td>10-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>673</td><td>4.5</td><td>24982</td><td>6.8</td></tt<>			10-year								673	4.5	24982	6.8
Image <th< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>805</td><td>4.4</td><td>24982</td><td>6.8</td></th<>			25-year								805	4.4	24982	6.8
IDPMC24 SRMC24A SPate Rectangular I I I <thi< t<="" td=""><td></td><td></td><td>50-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>846</td><td>4.4</td><td>24982</td><td>6.8</td></thi<>			50-year								846	4.4	24982	6.8
LSRMC24 SRMC24 2year Reclangular 6 6 111.1 197.0 86.6 0.17 17.9 7.8 6.3 302 6.3 LSRMC24 Stypear I I I I I I 10.4 Rel I 1314 8.8 302 6.3 LSRMC24 Stypear I I I I I I I I 304 11.0 302 6.3 LSRMC24 Stymer I <			100-year								1034	4.4	24982	6.8
Byear Byear <th< td=""><td>LSRMC24</td><td>SRMC24A</td><td>2-year</td><td>Rectangular</td><td>6</td><td>8</td><td>111.1</td><td>897.00</td><td>896.81</td><td>0.171</td><td>179</td><td>6.3</td><td>302</td><td>6.3</td></th<>	LSRMC24	SRMC24A	2-year	Rectangular	6	8	111.1	897.00	896.81	0.171	179	6.3	302	6.3
Introduct Introduct <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>257</td><td>7.8</td><td>302</td><td>6.3</td></t<>			5-year								257	7.8	302	6.3
bots bots <th< td=""><td></td><td></td><td>25-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>375</td><td>9.7</td><td>302</td><td>6.3</td></th<>			25-vear								375	9.7	302	6.3
Inc. Inc. <th< td=""><td></td><td></td><td>50-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>394</td><td>10.0</td><td>302</td><td>6.3</td></th<>			50-vear								394	10.0	302	6.3
LSRMC24 SRMC24B 2year Trapezoidal 1 30 111.1 906.00 905.89 0.100 0 0.00 98 32 10 10 25 year 1 10 10 0 0 0.00 98 32 25 year 10 10 10 10 0 0 0 0 0 98 32 LSRMC25 Lyavat Natral 10 0 88 87.45 87.00 0 0 0 98 32 LSRMC25 LSRMC26 Lyavat Natral 10 0 88 87.45 87.00 0 0 0 0 0 0 30 7210 3.7 10 year 10 10 10 88.8 87.45 0.533 30 4.3 3421 5.5 LSRMC26 Lyear Natral 7 10 411.5 89.89 87.45 0.533 30.43 3421			100-year								486	11.4	302	6.3
interpor	LSRMC24	SRMC24B	2-year	Trapezoidal	1	30	111.1	906.00	905.89	0.100	0	0.0	96	3.2
Image Image <th< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>96</td><td>3.2</td></th<>			5-year								0	0.0	96	3.2
Image: style			10-year								0	0.0	96	3.2
Sb-year Image: Sb-yaar Image: Sb-yaar Image: Sb-yaar			25-year								0	0.0	96	3.2
LSRMC27 Syear Natural 10			50-year								0	0.0	96	3.2
LSRMC25 LSRMC26 cypar Nutrain 10 10 360 697-40 617-40 3.1 7210 3.7 Image: Stress of the stress	LODMOOF	LODMOOF	100-year	Network	10	10	200.0	007.45	007.00	0.440	0	0.0	96	3.2
Image: book of the second se	LSRIVIC25	LSRIVIC25	2-year 5-year	Naturai	10	10	380.8	897.45	897.00	0.116	320 471	3.3	7210	3.7
Image: second			10-vear								578	3.3	7210	3.7
S0-year Image: S0-year Natural Natural </td <td></td> <td></td> <td>25-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>695</td> <td>3.3</td> <td>7210</td> <td>3.7</td>			25-year								695	3.3	7210	3.7
LSRMC262-yearNaturalLSRMC27SRMC27A2-yearRectangular<			50-year								737	3.3	7210	3.7
LSRMC26 LSRMC26 2year Natural 7 10 411.5 899.89 97.45 0.593 33.0 4.3 3421 55.5 I 101			100-year								919	3.3	7210	3.7
i i	LSRMC26	LSRMC26	2-year	Natural	7	10	411.5	899.89	897.45	0.593	330	4.3	3421	5.5
Image:			5-year								488	4.3	3421	5.5
1 25-year 1 1 1 1 100 100 3421 55. LSRMC27 SRMC27A 2-year Retangular 4 14 96.3 900.69 899.89 0.830 354 7.2 7.27 13.0 LSRMC27 SRMC27A 2-year Retangular 4 14 96.3 900.69 899.89 0.830 354 7.2 7.27 13.0 10-year 1 10-year 1 14 96.3 905.59 0.830 354 7.2 7.27 13.0 10-year 1 <			10-year								597	4.3	3421	5.5
Sb-year Image: Sb-year			25-year								702	4.3	3421	5.5
LSRMC27 SRMC27A 2-year Rectangular 4 96.3 900.68 89.8 0.830 3.34 7.2 727 13.0 10-year 10-year 1 96.3 900.68 89.8 0.830 3.82 7.3 727 13.0 10-year 1 10-year 1 1 96.3 906.68 89.8 0.830 3.82 7.3 727 13.0 10-year 1			50-year								926	4.2	3421	5.5
EXMOLY Ford Rectangular Image: Second Se	LSRMC27	SRMC274	2-vear	Rectangular	4	14	96.3	900 69	800 80	0.830	320	7.2	727	13.0
Interpret Interpret <t< td=""><td>LOITINOZI</td><td>ORMOZIA</td><td>5-vear</td><td>rectarigutar</td><td></td><td>17</td><td>50.5</td><td>500.05</td><td>000.00</td><td>0.000</td><td>382</td><td>7.2</td><td>727</td><td>13.0</td></t<>	LOITINOZI	ORMOZIA	5-vear	rectarigutar		17	50.5	500.05	000.00	0.000	382	7.2	727	13.0
Image: sector			10-year								431	7.5	727	13.0
S0-year Image: S0-ye			25-year								526	9.4	727	13.0
Inde-year Inde-year Trapezoidal Inde-year			50-year								547	9.7	727	13.0
LSRMC27 SRMC27B 2-year Trapezoidal 2 30 96.3 905.69 0.100 0 0.00 300 5.0 I 10-year I <td></td> <td></td> <td>100-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>651</td> <td>11.6</td> <td>727</td> <td>13.0</td>			100-year								651	11.6	727	13.0
S-year S-year<	LSRMC27	SRMC27B	2-year	Trapezoidal	2	30	96.3	905.69	905.59	0.100	0	0.0	300	5.0
Interpret Interpret <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>300</td><td>5.0</td></t<>			5-year								0	0.0	300	5.0
100-year 100-year <td< td=""><td></td><td></td><td>25-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>300</td><td>5.0</td></td<>			25-vear								0	0.0	300	5.0
100-year			50-vear								12	1.8	300	5.0
LSRMC27 SRMC27C 2-year Rectangular 5 4 96.3 900.69 899.89 0.830 -29 3.1 208 10.4 10-year 10-year 10-year 10-year 10-year 163 8.0 208 10.4 25-year 10-year 10-year 10-year 173 8.2 208 10.4 10-year 100-year 100-year 100-year 173 8.2 208 10.4 100-year 100-y			100-year								75	3.8	300	5.0
5-year 1 1 1 140 7.3 208 10.4 10-year 25-year 1 1 1 163 8.0 208 10.4 25-year 1 1 1 173 8.2 208 10.4 50-year 1 1 1 173 8.3 208 10.4 100-year 1 1 100-year 1 1 8.3 208 10.4 100-year 1 1 100-year 1 1 8.3 208 10.4 100-year 1<	LSRMC27	SRMC27C	2-year	Rectangular	5	4	96.3	900.69	899.89	0.830	-29	3.1	208	10.4
10-year			5-year								140	7.3	208	10.4
1 25-year 1 1 1 173 8.2 208 10.4 1 50-year 100-year 1 100-year			10-year								163	8.0	208	10.4
50-year 50-year 50-year 60 60 178 8.3 208 10.4 LSRMC28 LSRMC28 2-year Natural 6 9 467.6 904.00 900.69 0.708 367 4.6 4476 6.4 LSRMC28 LSRMC28 2-year Natural 6 9 467.6 904.00 900.69 0.708 367 4.6 4476 6.4 10-year 10-year 10 </td <td></td> <td></td> <td>25-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>173</td> <td>8.2</td> <td>208</td> <td>10.4</td>			25-year								173	8.2	208	10.4
LSRMC28 LSRMC28 2-year Natural 6 9 467.6 904.00 900.69 0.708 367 4.6 4476 6.4 LSRMC28 LSRMC28 2-year Natural 6 9 467.6 904.00 900.69 0.708 367 4.6 4476 6.4 10-year 10-year 10 <td></td> <td></td> <td>50-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>178</td> <td>8.3</td> <td>208</td> <td>10.4</td>			50-year								178	8.3	208	10.4
LSRMC29 LSRMC29 2-year Netural 0 5 407.6 904.00 900.09 0.706 367 4.6 447/6 6.4 10-year 10-year 10 <td></td> <td></td> <td>2 voor</td> <td>Notural</td> <td></td> <td></td> <td>167.0</td> <td>004.00</td> <td>000.60</td> <td>0 700</td> <td>201</td> <td>9.2</td> <td>208</td> <td>10.4</td>			2 voor	Notural			167.0	004.00	000.60	0 700	201	9.2	208	10.4
10-year	LORIVIOZŎ		2-year 5-year	natulal	Ö	9	407.0	504.00	900.09	0.708	307	4.6	4476 4476	0.4 6.4
25-year 25-year 25-year 25-year 25-year 25-year 25-year 25-year 27-year 26-3 27-year			10-year								591	4.6	4476	6.4
50-year 50-year 6 6.4 100-year 100-year 6 928 4.6 4476 6.4 LSRMC29 8167.1 2-year Rectangular 3.5 6 35.8 904.11 904.00 0.308 177 8.5 132 6.3 SFMC29 8167.1 2-year Rectangular 3.5 6 35.8 904.11 904.00 0.308 177 8.5 132 6.3 10-year 10-year 10			25-year								702	4.6	4476	6.4
100-year 100-year Rectangular 3.5 6 35.8 904.11 904.00 0.308 177 8.5 132 6.3 LSRMC29 8167.1 2-year Rectangular 3.5 6 35.8 904.11 904.00 0.308 177 8.5 132 6.3 Sypear 10-year 253 11.1 132 6.3 10-year 25-year 262 11.5 132 6.3 10-year 263 11.1 132 6.3 100-year 265 11.7 132 6.3 100-year 265 11.7 132 6.3			50-year								735	4.6	4476	6.4
LSRMC29 8167.1 2-year Rectangular 3.5 6 35.8 904.11 904.00 0.308 177 8.5 132 6.3 5-year 5-year 6 6 5.8 904.11 904.00 0.308 177 8.5 132 6.3 10-year 10-year 6 <td></td> <td></td> <td>100-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>928</td> <td>4.6</td> <td>4476</td> <td>6.4</td>			100-year								928	4.6	4476	6.4
5-year 238 10.6 132 6.3 10-year 25-year 253 11.1 132 6.3 25-year 25-year 262 11.5 132 6.3 50-year 265 11.7 132 6.3 100-year 265 11.7 132 6.3	LSRMC29	8167.1	2-year	Rectangular	3.5	6	35.8	904.11	904.00	0.308	177	8.5	132	6.3
10-year 253 11.1 132 6.3 25-year 262 11.5 132 6.3 50-year 265 11.7 132 6.3 100-year 265 11.7 132 6.3			5-year								238	10.6	132	6.3
Zoryean Zoc 11.5 132 6.3 50-year 265 11.7 132 6.3 100-year 268 12.4 132 6.3			10-year								253	11.1	132	6.3
100-year 200 11.7 132 0.3			20-year								202	11.5	132	0.3 6.2
			100-year								268	12.4	132	6.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9167.2	2 voor	Tranazaidal	()	20	25.9	007.94	007.00	2 240	(0.0)	(2607	20.0
LOIGNOZS	0107.2	5-year	Паредонал	5		55.0	307.04	307.00	2.343	27	2.2	2697	30.0
		10-year								91	5.1	2697	30.0
		25-year								193	8.1	2697	30.0
		50-year								227	8.9	2697	30.0
		100-year								407	12.0	2697	30.0
LSRMC30	8168.1	2-year	Rectangular	3.5	6	123.1	904.51	904.11	0.325	166	7.8	136	6.5
		5-year								206	9.1	136	6.5
		10-year								217	9.9	136	6.5
		25-year								221	10.4	136	6.5
		100-year								223	11.5	130	6.5
LSRMC30	8168.2	2-vear	Trapezoidal	3	30	123.1	908.00	907.84	0.130	10	1.6	634	7.0
		5-year								75	3.8	634	7.0
		10-year								150	4.9	634	7.0
		25-year								247	6.0	634	7.0
		50-year								282	6.3	634	7.0
		100-year								439	7.4	634	7.0
LSRMC31	8634.1	2-year	Rectangular	4	11	288.5	905.43	904.51	0.319	299	7.7	340	7.7
		5-year								423	8.9	340	7.7
		10-year								452	9.7	340	7.7
		50-vear								457	9.0	340	7.7
		100-year								466	10.1	340	7.7
LSRMC31	8634.2	2-vear	Trapezoidal	3	30	288.5	910.00	908.00	0.693	0	0.0	1465	16.3
		5-year								0	0.0	1465	16.3
		10-year								53	2.5	1465	16.3
		25-year								177	5.4	1465	16.3
		50-year								242	6.5	1465	16.3
		100-year								421	8.4	1465	16.3
LSRMC32	LSRMC32	2-year	Natural	12	12	550.9	908.00	905.43	0.467	245	7.7	45848	17.6
		5-year								352	8.3	45848	17.6
		10-year								421 520	8.6	45848	17.6
		50-year								619	8.3	45848	17.0
		100-vear								772	8.3	45848	17.6
LSRMC33	SRMC33A	2-year	Rectangular	4	5.5	51.1	908.44	908.00	0.862	122	10.7	239	10.9
		5-year								176	11.4	239	10.9
		10-year								210	11.6	239	10.9
		25-year								264	12.3	239	10.9
		50-year								243	12.3	239	10.9
105.15	051107-5	100-year	-				0.15	a ·		254	12.3	239	10.9
LSRMC33	SRMC33B	2-year	I rapezoidal	1	30	51.1	912.81	912.76	0.100	0	0.0	96	3.2
		o-year								0	0.0	96	3.2
		25-vear								0 23	0.0	96 90	3.2 २ २
		50-year								145	5.1	96	3.2
		100-year								276	9.2	96	3.2
LSRMC34	SRMC34A	2-year	Rectangular	4	5.5	64.2	909.00	908.44	0.873	117	10.5	241	10.9
		5-year								169	11.2	241	10.9
		10-year								201	11.5	241	10.9
		25-year								256	11.9	241	10.9
		50-year								233	12.0	241	10.9
LODNOCI	00140040	100-year	T · · · ·				040.0=	046.61	0.10-	235	12.0	241	10.9
LSRMC34	SRMC34B	2-year	i rapezoidal	2	30	64.2	912.87	912.81	0.100	0	0.0	294	4.9
		10-vear								0	0.0	294	4.9 4 0
		25-year								55	3.4	294	4.9
		50-year								220	5.9	294	4.9
		100-year								348	6.9	294	4.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	()	(640.5	000.22	000.00	0.051	100	(610	(
LOINICOO	LOIMICSS	5-year	Naturai	0	,	043.3	303.33	303.00	0.001	276	2.7	619	1.9
		10-year								341	2.9	619	1.9
		25-year								494	2.8	619	1.9
		50-year								575	2.8	619	1.9
		100-year								716	2.8	619	1.9
LSRMC36	SRMC36A	2-year	Rectangular	4	5	166.6	911.95	909.33	1.573	79	7.0	286	14.3
		5-year								110	7.8	286	14.3
		10-year								152	9.2	286	14.3
		50-vear								220	13.2	200	14.3
		100-vear								287	14.3	286	14.3
LSRMC36	SRMC36B	2-year	Trapezoidal	1	30	166.6	917.00	916.83	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								79	3.7	97	3.2
LSRMC37	LSRMC37	2-year	Natural	6	10	238.8	912.78	911.95	0.348	131	3.9	2638	4.6
		5-year								286	4.0 3.0	2638	4.0
		25-year								435	3.9	2638	4.6
		50-year								516	3.9	2638	4.6
		100-year								617	3.9	2638	4.6
LSRMC38	LSRMC38	2-year	Natural	7	7	446.8	915.47	912.78	0.602	35	1.1	6739	7.5
		5-year								99	1.3	6739	7.5
		10-year								174	1.5	6739	7.5
		25-year								265	1.7	6739	7.5
		50-year								319	1.8	6739	7.5
L CDMC20	L SBMC20	100-year	Notural	0	0	100.0	015.01	015 47	0.242	380	1.9	6739	7.5
LSRIVIC39	LORIVIC39	z-year 5-year	เงลเนเลเ	0	0	120.3	915.91	915.47	0.343	20	2.3	5351	6.2
		10-vear								166	3.9	5351	6.2
		25-year								251	4.2	5351	6.2
		50-year								301	4.3	5351	6.2
		100-year								358	4.4	5351	6.2
LSRMC40	SRMC40A	2-year	Circular	2	0	113.7	918.64	915.91	2.402	26	10.6	19	6.0
		5-year								36	11.7	19	6.0
		10-year								36	11.7	19	6.0
		25-year								30	11.7	19	6.0
		100-vear								36	11.7	19	6.0
LSRMC40	SRMC40B	2-year	Trapezoidal	1	30	113.7	926.00	925.89	0.100	0	0.0	97	3.2
		5-year	.,				2.00	00		59	3.3	97	3.2
		10-year								131	4.7	97	3.2
		25-year								216	7.2	97	3.2
		50-year								266	8.9	97	3.2
		100-year								323	10.8	97	3.2
LSRMC41	LSRMC41	2-year	Natural	12	0	724.6	921.32	918.64	0.370	159	0.9	22460	7.0
		5-year								230	0.9	22460	7.0
		25-year								2/1	0.9	22400	7.0
		50-vear								369	0.8	22460	7.0
		100-year								428	0.8	22460	7.0
LSRMC42	LSRMC42	2-year	Natural	8	0	990.2	927.46	921.32	0.620	96	3.1	5371	8.3
		5-year								135	3.4	5371	8.3
		10-year								158	3.6	5371	8.3
		25-year								188	3.7	5371	8.3
		50-year								214	3.9	5371	8.3
		100-year								246	4.0	5371	8.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC43	SRMC43A	2-vear	Rectangular	3	5 17	110.0	927.61	927 46	0 136	97	81	59	38
Lorano io		5-vear	rtootarigatai	0	0.17	110.0	027.01	027.10	0.100	135	9.6	59	3.8
		10-year								158	10.6	59	3.8
		25-year								189	12.9	59	3.8
		50-year								215	14.4	59	3.8
		100-year								247	16.3	59	3.8
LSRMC43	SRMC43B	2-year	Trapezoidal	1	30	110.0	942.50	942.39	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRMC44	SRMC44A	2-vear	Rectangular	3	5.17	41.2	927.67	927.61	0.146	71	5.5	61	3.9
		5-year	<u> </u>							99	6.3	61	3.9
		10-year								116	6.8	61	3.9
		25-year								138	8.9	61	3.9
		50-year								155	9.9	61	3.9
		100-year								177	11.3	61	3.9
LSRMC44	SRMC44B	2-year	Trapezoidal	1	30	41.2	941.54	941.50	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSYMC01	LSYMC01	2-vear	Circular	2.5	0	135.5	900.61	870.86	21.954	17	22.9	178	36.4
20111001	20111001	5-year	onoului	2.0				0.0.00	21.001	25	25.7	178	36.4
		10-year								30	27.1	178	36.4
		25-year								37	28.7	178	36.4
		50-year								42	29.7	178	36.4
		100-year								49	31.0	178	36.4
LSYMC02	8460.1	2-year	Circular	2.5	0	61.0	900.87	900.61	0.426	17	9.1	25	5.1
		5-year								25	10.7	25	5.1
		10-year								30	11.4	25	5.1
		50-vear								37 42	12.4	25	5.1
		100-vear								49	13.8	25	5.1
LSYMC02	8460.2	2-vear	Trapezoidal	1	30	61.0	906.20	905.94	0.426	0	0.0	199	6.6
		5-year								0	0.0	199	6.6
		10-year								0	0.0	199	6.6
		25-year								0	0.0	199	6.6
		50-year								0	0.0	199	6.6
		100-year								0	0.0	199	6.6
LSYMC03	8461.1	2-year	Circular	2.5	0	232.3	906.71	900.87	2.515	13	6.5	60	12.3
		5-year								19	7.5	60	12.3
		10-year								22	8.0	60	12.3
		50-vear								21	0.0 Q ()	00	12.3
		100-vear								36	9.4	60	12.3
LSYMC03	8461.2	2-year	Trapezoidal	1	30	232.3	911.79	906.20	2.407	0	0.0	473	15.8
		5-year								0	0.0	473	15.8
		10-year								0	0.0	473	15.8
		25-year								0	0.0	473	15.8
		50-year								0	0.0	473	15.8
		100-year								0	0.0	473	15.8
LSYMC04	8296.1	2-year	Special	3	3	63.6	910.66	906.71	6.216	13	8.5	42	10.3
		5-year								19	9.4	42	10.3
		25-vear								22	9.8	42	10.3
		50-year								<u>∠1</u> 31	10.3	42 42	10.3
		100-year								36	11.2	42	10.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8206.2	2.vear	Trapezoidol	4	20	62.6	Q15 00	011 70	5 177	(0.0)	0.0	604	, , , , , , , , , , , , , , , , , , ,
2011/004	0230.2	5-year	Tapezoidai			03.0	313.00	311.73	5.177	0	0.0	694	23.1
		10-year								0	0.0	694	23.1
		25-year								0	0.0	694	23.1
		50-year								0	0.0	694	23.1
		100-year								0	0.0	694	23.1
LSYMC05	8462.1	2-year	Special	3	3	53.3	911.21	910.66	1.033	13	5.7	17	4.2
		5-year								19	6.7	17	4.2
		10-year								22	7.1	17	4.2
		25-year								27	8.1	17	4.2
		100-year								36	0.9 Q Q	17	4.2
LSYMC05	8462.2	2-vear	Trapezoidal	1	30	53.3	915 13	915.08	0 100	0	0.0	93	3.1
Lormood	010LL	5-vear	Trapozoidai			00.0	010.10	010.00	0.100	0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LUWL101	LUWL101	2-year	Natural	10	0	1052.6	902.91	893.90	0.856	244	2.2	166246	10.4
		5-year								321	2.2	166246	10.4
		10-year								383	2.1	166246	10.4
		25-year								465	1.9	166246	10.4
		50-year								530	1.8	166246	10.4
		100-year	Notural	10	0	2020.0	008.00	002 70	0 174	613	1.8	100240	10.4
LUWL201	LUVVL201	z-year	เงลเนเลเ	12	0	3039.0	906.00	902.70	0.174	600	1.5	112604	5.3
		10-vear								828	1.5	112604	5.3
		25-vear								1004	1.0	112604	5.3
		50-year								1133	1.0	112604	5.3
		100-year								1324	1.0	112604	5.3
LUWL301	LUWL301	2-year	Natural	15	0	1619.9	915.78	907.00	0.542	356	1.7	408518	11.8
		5-year								568	1.9	408518	11.8
		10-year								701	1.9	408518	11.8
		25-year								887	1.9	408518	11.8
		50-year								1036	2.0	408518	11.8
11.000	11114/1-000	100-year	Matural	10		0050.0	0.40.04	045 70	0.040	1228	2.0	408518	11.8
LUWL302	LUWL302	2-year	Natural	12	0	3250.9	946.34	915.78	0.940	1//	3.0	102728	12.9
		10-vear								309	3.5	102728	12.9
		25-year								508	3.8	102728	12.5
		50-year								602	3.9	102728	12.9
		100-year								723	4.1	102728	12.9
LUWMC00	LUWMC00	2-year	Natural	11.6	0	186.2	884.53	884.30	0.124	1058	3.2	16261	3.8
		5-year								1785	3.1	16261	3.8
		10-year								2347	3.1	16261	3.8
		25-year								3204	3.1	16261	3.8
		50-year								3801	3.1	16261	3.8
		100-year								4444	3.1	16261	3.8
LUWMC01	LUWMC01	2-year	Natural	11	0	981.7	885.58	884.53	0.107	1080	2.7	15072	3.5
		o-year								1795	2.7	15072	3.5 2 F
		25-vear								3171	2.7	15072	3.5
		50-year								3794	2.7	15072	3.5
		100-year								4500	2.8	15072	3.5
LUWMC02	LUWMC02	2-year	Natural	11.4	0	254.9	886.00	885.58	0.165	913	2.4	22772	4.4
		5-year								1512	-2.5	22772	4.4
		10-year								1913	2.5	22772	4.4
		25-year								2542	2.6	22772	4.4
		50-year								2942	2.6	22772	4.4
		100-year								3444	2.6	22772	4.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LUWMC03	UWMC03A	2-vear	Rectangular	6	12	48.1	886.32	886.00	0.666	457	5.9	990	13.7
201111000	errine cert	5-year	rtootangulai				000102	000.00	0.000	758	10.5	990	13.7
		10-year								945	13.1	990	13.7
		25-year								1199	16.6	990	13.7
		50-year								1337	18.5	990	13.7
		100-year								1492	20.7	990	13.7
LUWMC03	UWMC03B	2-year	Trapezoidal	6	30	48.1	894.00	893.95	0.100	0	0.0	1626	9.0
		5-year								0	0.0	1626	9.0
		10-year								22	2.4	1626	9.0
		50-year								265	6.3	1626	9.0
		100-year								462	7.7	1626	9.0
LUWMC04	LUWMC04	2-year	Natural	13.6	0	5583.2	893.90	886.32	0.136	1055	1.0	53750	4.6
		5-year								1702	1.0	53750	4.6
		10-year								2126	1.0	53750	4.6
		25-year								2726	1.1	53750	4.6
		50-year								3191	1.2	53750	4.6
		100-year								3830	1.3	53750	4.6
LUWMC05	LUWMC05	2-year	Natural	16	0	1613.0	895.00	893.90	0.068	1062	1.5	96235	4.6
		5-year								1718	1.8	96235	4.6
		10-year								2147	1.9	96235	4.6
		50-vear								3208	2.0	96235	4.0
		100-year								3849	2.1	96235	4.0
LUWMC06	LUWMC06	2-vear	Natural	10	0	2304 8	901.39	895.00	0 277	948	1.5	88655	6.7
201111000	20111000	5-year	- tatara			200.00		000.00	0.2.1	1535	1.6	88655	6.7
		10-year								1921	1.7	88655	6.7
		25-year								2461	1.8	88655	6.7
		50-year								2876	1.9	88655	6.7
		100-year								3453	2.0	88655	6.7
LUWMC07	LUWMC07	2-year	Natural	8	0	2190.2	902.70	901.39	0.060	880	2.2	6749	2.6
		5-year								1420	2.6	6749	2.6
		10-year								1772	2.7	6749	2.6
		25-year								2269	3.0	6749	2.6
		100-year								3175	3.1	6749	2.0
LUWMC08	LUWMC08	2-vear	Natural	15	0	1312.5	907.00	902 70	0.328	593	1.1	294534	7.8
Lottinoto	Lottinooo	5-vear	i tatarai	10		1012.0	001.00	002.10	0.020	997	1.4	294534	7.8
		10-year								1281	1.5	294534	7.8
		25-year								1672	1.8	294534	7.8
		50-year								1979	1.9	294534	7.8
		100-year								2413	2.0	294534	7.8
LUWMC09	LUWMC09	2-year	Natural	10	0	5593.4	924.05	907.00	0.305	581	1.8	78406	7.0
		5-year								981	2.0	78406	7.0
		10-year								1245	2.1	78406	7.0
		25-year								1616	2.3	78406	7.0
		100-year								2288	2.4	78406	7.0
LUWMC10	LUWMC10	2-vear	Natural	20	٥	3120.2	935 70	924 05	0 373	400	2.0	171892	10.2
Lowmond	LOWMOTO	5-vear	Induitai	20	0	5120.2	555.70	524.05	0.070	713	3.2	171892	10.2
		10-year								922	3.5	171892	10.2
		25-year								1209	3.7	171892	10.2
		50-year								1434	3.9	171892	10.2
		100-year								1733	4.1	171892	10.2
LUWMC11	LUWMC11	2-year	Natural	20	0	1782.7	945.11	935.70	0.528	376	1.6	238422	16.1
		5-year								620	1.8	238422	16.1
		10-year								785	2.0	238422	16.1
		∠5-year								999	2.1	238422	16.1
		100-year								1378	2.2	238422	16.1
	1	roo-year	1							13/0	2.3	230422	10.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LUWMC12	LUWMC12	2-vear	Natural	17	0	3249.4	984 56	945 11	1 214	200	44	94269	16.4
20111012	20111012	5-year	- tatara			02.1011	00.000	0.0111		342	5.1	94269	16.4
		10-year								434	5.5	94269	16.4
		25-year								555	5.8	94269	16.4
		50-year								648	6.1	94269	16.4
		100-year								776	6.4	94269	16.4
LVCL102	LVCL102	2-year	Natural	10	0	2910.5	891.74	873.67	0.621	137	2.2	28188	6.7
		5-year								213	2.3	28188	6.7
		10-year								260	2.3	28188	6.7
		25-year								322	2.4	28188	6.7
		50-year								369	2.4	28188	6.7
11/01/004	11/01/004	100-year	Matural	-	0	007.0	000.40	000 57	0.405	431	2.3	28188	6.7
LVCL201	LVCL201	2-year	Naturai	9	0	827.6	926.49	908.57	2.165	101	1.7	33221	17.3
		10-year								101	2.0	33221	17.3
		25-vear								122	2.1	33221	17.3
		50-vear								171	2.2	33221	17.3
		100-year								199	2.2	33221	17.3
LVCMC02	LVCMC02	2-vear	Natural	16	0	2269.3	873.67	860.79	0.568	609	7.5	13351	12.9
		- 5-year								964	8.5	13351	12.9
		10-year								1178	9.0	13351	12.9
		25-year								1385	9.2	13351	12.9
		50-year								1486	9.2	13351	12.9
		100-year								1614	9.2	13351	12.9
LVCMC03	LVCMC03	2-year	Natural	12.5	0	2262.7	882.12	873.67	0.373	536	3.6	24985	6.2
		5-year								838	4.1	24985	6.2
		10-year								1016	4.3	24985	6.2
		25-year								1250	4.5	24985	6.2
		50-year								1413	4.7	24985	6.2
		100-year								1622	4.8	24985	6.2
LVCMC04	LVCMC04	2-year	Natural	16	0	2893.5	908.57	882.12	0.914	309	3.9	45060	17.2
		5-year								463	4.5	45060	17.2
		10-year								561	4.7	45060	17.2
		25-year								691	5.0	45060	17.2
		100 year								187	5.2	45060	17.2
	LVCMCOF	100-year	Notural	6	0	069.3	025.16	009.57	1 710	924	0.0	45060	17.2
LVCIVICUS	LVCINCUS	z-year	Naturai	0	0	968.3	925.16	908.57	1.713	235	3.7	8951	12.2
		10-vear								410	3.0	8951	12.2
		25-vear								410	4.0	8951	12.2
		50-year								564	4.1	8951	12.2
		100-year								652	4.2	8951	12.2
LVCMC06	VCMC06A	2-year	Rectangular	4	6	152.9	926.96	925.16	1.177	104	11.6	312	13.0
		5-year	3							136	12.7	312	13.0
		10-year								153	13.3	312	13.0
		25-year								175	14.0	312	13.0
		50-year								191	14.4	312	13.0
		100-year								211	15.0	312	13.0
LVCMC06	VCMC06B	2-year	Trapezoidal	5	30	152.9	928.00	927.85	0.100	29	2.4	1204	8.0
		5-year								75	3.6	1204	8.0
		10-year								107	4.2	1204	8.0
		25-year								150	4.8	1204	8.0
		50-year								185	5.2	1204	8.0
		100-year						-		231	5.7	1204	8.0
LVCMC07	LVCMC07	2-year	Natural	6	0	924.8	933.88	926.96	0.748	151	2.5	7969	8.6
		5-year								219	2.5	7969	8.6
		10-year								260	2.5	7969	8.6
		∠5-year								313	2.5	7969	8.6
		100-year								354	2.5	7969	0.6 0.6
		roo-year								408	2.6	1909	ö.b

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(,	(,	378.0	030.08	033.88	1 610	67	24	8313	10.5
EVENICOO	LVCINCOO	5-year	Inatural	0	0	570.5	333.30	333.00	1.010	98	2.4	8313	10.5
		10-year								117	2.8	8313	10.5
		25-year								142	3.1	8313	10.5
		50-year								162	3.1	8313	10.5
		100-year								187	3.3	8313	10.5
LW13L101	8621.1	2-year	Special	5	5	182.6	901.29	901.00	0.159	25	4.8	31	2.4
		5-year								37	5.6	31	2.4
		10-year								42	5.9	31	2.4
		25-year								53	6.6	31	2.4
		50-year								60	7.0	31	2.4
	0004.0	100-year	Tana and dat			400.0	005 70	005.04	0.400	69	7.9	31	2.4
LVV13L101	8621.2	2-year	Trapezoidai	1	30	182.6	905.79	905.61	0.100	0	0.0	96	3.2
		10 year								0	0.0	90	3.2
		25-vear								0	0.0	90	3.2
		50-vear								0	0.0	96	3.2
		100-year								0	0.1	96	3.2
LW13L102	8201.1	2-year	Circular	2	0	114.6	903.74	901.29	2.138	25	9.5	31	9.8
		5-year								37	11.4	31	9.8
		10-year								42	13.2	31	9.8
		25-year								44	13.9	31	9.8
		50-year								44	13.9	31	9.8
		100-year								44	14.0	31	9.8
LW13L102	8201.2	2-year	Trapezoidal	1	30	114.6	908.74	905.79	2.575	0	0.0	489	16.3
		5-year								0	0.0	489	16.3
		10-year								0	0.0	489	16.3
		25-year								10	3.5	489	16.3
		50-year								21	4.7	489	16.3
1 1/121 102	9100 1	2 year	Circular	1.25	0	210.2	011 / 9	002 74	2 405	54	5.7	409	7.7
LWISLIUS	0199.1	5-vear	Circular	1.25	0	310.3	911.40	903.74	2.495	8	7.6	9	7.7
		10-vear								9	7.7	9	7.7
		25-year								10	8.0	9	7.7
		50-year								11	8.6	9	7.7
		100-year								11	9.0	9	7.7
LW13L103	8199.2	2-year	Trapezoidal	1	30	310.3	915.97	908.74	2.330	0	0.0	466	15.5
		5-year								0	0.0	466	15.5
		10-year								0	0.0	466	15.5
		25-year								2	1.1	466	15.5
		50-year								4	1.6	466	15.5
		100-year								6	1.7	466	15.5
LW13L1A01	LW13L1A01	2-year	Circular	2	0	38.6	902.63	901.29	3.469	0	-0.1	39	12.5
		5-year								0	-0.1	39	12.5
		10-year								1	0.4	39	12.5
		20-year								1	0.6	39	12.5
		100-vear								1	0.4		12.5
LW13I 1B01	8200 1	2-year	Circular	2	n	38.6	903 qr	903 74	0 621	19	7 9	17	5.3
	5200.1	5-year			3	55.5		2.50.1 T	0.021	29	9.1	17	5.3
		10-year								34	10.6	17	5.3
		25-year								34	10.6	17	5.3
		50-year								32	10.1	17	5.3
		100-year								32	10.2	17	5.3
LW13L1B01	8200.2	2-year	Trapezoidal	2	30	38.6	907.56	908.74	-3.055	0	0.0	1625	27.1
		5-year								0	0.0	1625	27.1
		10-year								-6	-0.3	1625	27.1
		25-year								-26	-1.1	1625	27.1
		50-year								-32	-1.2	1625	27.1
		100-year								-39	-1.4	1625	27.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I W13I 1C01	8198 1	2-vear	Circular	2	() 0	30.9	Q11 Q7	Q11 48	1 585	6	62	26	84
EWIGEIGGI	0100.1	5-vear	onoului			00.0	011.07	011.10	1.000	8	7.1	26	8.4
		10-year								9	6.9	26	8.4
		25-year								11	6.8	26	8.4
		50-year								21	6.8	26	8.4
		100-year								22	6.8	26	8.4
LW13L1C01	8198.2	2-year	Trapezoidal	1	30	30.9	915.48	915.97	-1.585	0	0.0	384	12.8
		5-year								0	0.0	384	12.8
		10-year								0	0.0	384	12.8
		25-year								-4	-0.4	384	12.8
		100-year								-5	-0.6	384	12.0
I W13I 201	8209 1	2-vear	Circular	35	0	90.0	903 95	903.31	0 711	12	6.5	79	8.2
20002201	020011	5-year	onoului	0.0			000.00	000101	0.111	18	7.6	79	8.2
		10-year								21	8.2	79	8.2
		25-year								26	8.9	79	8.2
		50-year								29	9.3	79	8.2
		100-year								33	9.9	79	8.2
LW13L201	8209.2	2-year	Trapezoidal	1	30	90.0	907.89	908.00	-0.122	0	0.0	107	3.6
		5-year								0	0.0	107	3.6
		10-year								0	0.0	107	3.6
		25-year								0	0.0	107	3.6
		50-year								0	0.0	107	3.6
1 1/1/1 21 202	8208.1	100-year	Circular	2	0	100.9	004.00	002.05	0.046	0	0.0	107	3.0
LWIJLZUZ	0200.1	z-year 5-year	Circular	3	0	109.0	904.00	903.95	0.046	11	3.2	13	1.9
		10-vear								13	4.0	13	1.9
		25-vear								16	4.3	13	1.9
		50-year								18	4.5	13	1.9
		100-year								21	4.8	13	1.9
LW13L202	8208.2	2-year	Trapezoidal	1	30	109.8	908.00	907.89	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
114401-004		100-year	O'au da a			100.0	000.00	007.05	0.500	0	0.0	97	3.2
LW13L301	LW13L301	2-year	Circular	4	0	189.0	908.38	907.25	0.598	-1	-0.3	103	8.2
		5-year								-1	-0.4	103	8.2
		25-year								-1	-0.4	103	8.2
		50-vear								-1	-0.4	103	8.2
		100-year								-1	-0.4	103	8.2
LW13L401	8652.1	2-year	Circular	1	0	60.0	915.34	907.25	13.490	4	8.4	12	15.5
		5-year								6	11.0	12	15.5
		10-year								8	12.4	12	15.5
		25-year								9	14.0	12	15.5
		50-year								10	15.0	12	15.5
		100-year								12	16.3	12	15.5
LW13L401	8652.2	2-year	I rapezoidal	1	30	60.0	917.00	914.08	4.869	0	0.0	673	22.4
		o-year								0	0.0	673	22.4
		25-vear								0	0.0	673 673	22.4
		50-vear								0	0.0	673	22.4
		100-year								0	0.0	673	22.4
LW13MC01	LW13MC01	2-year	Natural	4	0	128.2	903.31	901.00	1.802	54	3.5	4543	10.8
		5-year								79	3.8	4543	10.8
		10-year								94	4.0	4543	10.8
		25-year								114	4.2	4543	10.8
		50-year								129	4.3	4543	10.8
		100-year								148	4.5	4543	10.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(()	588.0	907.00	003 31	0.628	(0.0)	(4478	(
LWISNESZ	LWISWC02	5-year	Naturai		0	500.0	307.00	303.31	0.020	62	1.1	4478	7.2
		10-year								74	1.4	4478	7.2
		25-year								89	1.5	4478	7.2
		50-year								100	1.6	4478	7.2
		100-year								115	1.7	4478	7.2
LW13MC03	8513.1	2-year	Circular	4	0	68.2	907.25	907.00	0.367	44	12.7	81	6.4
		5-year								63	14.6	81	6.4
		10-year								74	15.6	81	6.4
		25-year								101	16.8	81	6.4
		100-year								115	17.0	81	6.4
LW13MC03	8513.2	2-vear	Trapezoidal	1	30	68.2	914 08	914 00	0 117	0	0.0	104	3.5
Entitiette	0010.2	5-year	Trapozoidai		00	00.2	011.00	011.00	0.117	0	0.0	101	3.5
		10-year								0	0.0	104	3.5
		25-year								0	0.0	104	3.5
		50-year								0	0.0	104	3.5
		100-year								0	0.0	104	3.5
LW13MC04	8415.1	2-year	Circular	4	0	431.0	913.59	907.25	1.471	40	8.6	162	12.9
		5-year								57	9.7	162	12.9
		10-year								67	10.3	162	12.9
		25-year								80	11.0	162	12.9
		100-year								91	11.4	162	12.9
	8/15 2	2-vear	Tranazoidal	1	30	/31.0	018.00	01/ 08	0 000	104	11.9	201	12.9
LVV 13101C04	0415.2	2-year 5-year	Паредониан			431.0	918.00	914.00	0.909	0	0.0	291	9.7
		10-vear								0	0.0	201	9.7
		25-year								0	0.0	291	9.7
		50-year								0	0.0	291	9.7
		100-year								0	0.0	291	9.7
LWLL101	8261.1	2-year	Circular	4.5	0	618.4	881.28	874.16	1.151	95	8.6	196	12.3
		5-year								133	10.2	196	12.3
		10-year								157	10.8	196	12.3
		25-year								180	11.2	196	12.3
		50-year								193	12.1	196	12.3
LW/LL101	8261.2	2-vear	Tranazoidal	1	30	618 /	896.24	911.00	-2 387	199	12.4	190	12.3
LWLLIOT	0201.2	5-year	Паредонал		50	010.4	030.24	311.00	-2.307	0	0.0	471	15.7
		10-vear								0	0.0	471	15.7
		25-year								0	0.0	471	15.7
		50-year								0	0.0	471	15.7
		100-year								0	0.0	471	15.7
LWLL102	8262.1	2-year	Circular	4.5	0	222.7	883.84	881.28	1.149	96	12.3	196	12.3
		5-year								134	13.3	196	12.3
		10-year								158	13.4	196	12.3
		25-year								181	13.6	196	12.3
		50-year								192	13.6	196	12.3
WI 102	8262.2	2-vear	Tranezoidal	1	20	<u> </u>	805 50	805 24	0 157	199	13.0	190	12.3
	0202.2	5-year	mapezolual				090.08	030.24	0.157	0	0.0	121	4.0
		10-year								0	0.0	121	4.0
		25-year								0	0.0	121	4.0
		50-year								0	0.0	121	4.0
		100-year								0	0.0	121	4.0
LWLL103	8263.1	2-year	Circular	4.5	0	182.4	885.94	883.84	1.151	95	12.2	196	12.3
		5-year								134	13.3	196	12.3
		10-year								158	13.6	196	12.3
		25-year								185	13.7	196	12.3
		50-year								193	13.7	196	12.3
	l	roo-year								199	13.8	190	12.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LW/LL103	8263.2	2-vear	Trapazoidal	(111)	30	182 /	80/ 77	804 50	0 100	()	0.0	96	32
EWEE100	0203.2	5-vear	Trapezoidai			102.4	004.77	004.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LWLL104	8265.1	2-year	Circular	4.5	0	428.5	886.50	885.94	0.131	54	6.3	66	4.2
		5-year								76	7.2	66	4.2
		10-year								89	7.5	66	4.2
		25-year								107	8.0	60	4.2
		100-year								133	7.3	66	4.2
I WI I 104	8265.2	2-vear	Trapezoidal	2	30	428.5	893.00	892 44	0 131	0	0.0	336	5.6
	0200.2	5-year	riapozoidai				000100	002	0.101	0	0.0	336	5.6
		10-year								0	0.0	336	5.6
		25-year								0	0.0	336	5.6
		50-year								37	2.6	336	5.6
		100-year								118	2.9	336	5.6
LWLL105	8266.1	2-year	Circular	4.5	0	38.7	887.10	886.50	1.549	53	6.0	227	14.3
		5-year								74	6.5	227	14.3
		10-year								87	6.8	227	14.3
		25-year								104	7.1	227	14.3
		100-year								123	10.1	227	14.3
LWIL105	8266.2	2-vear	Tranezoidal	1	30	38.7	895.68	894.00	4 337	134	0.4	635	21.2
EWEE105	0200.2	5-vear	Trapezoidai			50.7	000.00	004.00	4.007	0	0.0	635	21.2
		10-year								0	0.0	635	21.2
		25-year								0	0.0	635	21.2
		50-year								0	0.0	635	21.2
		100-year								0	0.0	635	21.2
LWLL106	8267.1	2-year	Circular	2.5	0	341.7	888.84	887.10	0.509	13	5.4	27	5.5
		5-year								17	5.7	27	5.5
		10-year								20	14.0	27	5.5
		25-year								25	5.9	27	5.5
		100-year								20	6.0	27	5.5
LWI 106	8267.2	2-vear	Trapezoidal	1	30	341 7	900.03	895.68	1 273	23	0.0	344	11.5
LIVELING	OLOT.L	5-vear	Trapozoidai			011.1	000.00	000.00	1.270	0	0.0	344	11.5
		10-year								0	0.0	344	11.5
		25-year								0	0.0	344	11.5
		50-year								0	0.0	344	11.5
		100-year								0	0.0	344	11.5
LWLL107	8268.1	2-year	Circular	2.5	0	64.9	889.17	888.84	0.509	13	5.4	27	5.5
		5-year								17	5.8	27	5.5
		10-year								20	6.0	27	5.5
		∠5-year								24	6.2	27	5.5
		100-year								∠0 31	0.4 6.5	21	5.5
LWI I 107	8268 2	2-vear	Trapezoidal	1	30	64 Q	896 17	896 11	0 100	0	0.0	03	3.1
	5200.2	5-year				54.5	000.17	000.11	0.100	0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.1	93	3.1
LWLL108	8270.1	2-year	Circular	2	0	140.6	895.14	889.17	4.245	13	8.6	43	13.8
		5-year								17	9.4	43	13.8
		10-year								20	9.8	43	13.8
		∠o-year								25	11.1	43	13.8
		100-vear								27	12.2	43 43	13.8
	I	i oo yeai									12.2	40	13.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWI L108	8270.2	2-vear	Trapezoidal	1	30	140.6	899 14	897 17	1 401	0	0.0	361	12.0
LIVELING	0210.2	5-vear	Trapozoidai		00	110.0	000.11	007.17	1.101	0	0.0	361	12.0
		10-year								0	0.0	361	12.0
		25-year								0	0.0	361	12.0
		50-year								0	0.0	361	12.0
		100-year								0	0.0	361	12.0
LWLL109	8269.1	2-year	Circular	2	0	128.5	895.31	895.14	0.132	13	6.3	8	2.4
		5-year								17	7.1	8	2.4
		10-year								20	8.3	8	2.4
		25-year								24	9.9	8	2.4
		100-year								30	11.3	8	2.4
I WI I 109	8269.2	2-vear	Trapezoidal	1	30	128 5	900 27	900 14	0 100	0	0.0	97	3.2
EWEE103	0203.2	5-vear	Trapezoidai			120.0	500.27	500.14	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								3	0.9	97	3.2
LWLL1A01	8264.1	2-year	Circular	2	0	458.5	892.17	885.94	1.359	29	9.6	24	7.8
		5-year								29	9.5	24	7.8
		10-year								29	9.4	24	7.8
		25-year								29	9.3	24	7.8
		50-year								28	9.1	24	7.8
		100-year								28	8.8	24	7.8
LWLL1A01	8264.2	2-year	Irapezoidal	1	30	458.5	895.84	893.44	0.523	14	2.5	221	7.4
		5-year								35	3.0	221	7.4
		25-vear								63	4.0	221	7.4
		50-vear								80	5.0	221	7.4
		100-year								98	5.4	221	7.4
LWLL1A02	8391.1	2-year	Circular	2	0	87.9	892.93	892.17	0.864	19	5.9	20	6.2
		5-year								22	7.0	20	6.2
		10-year								22	7.1	20	6.2
		25-year								23	7.1	20	6.2
		50-year								22	7.1	20	6.2
		100-year								22	7.1	20	6.2
LWLL1A02	8391.2	2-year	Trapezoidal	1	30	87.9	896.93	896.84	0.100	0	0.0	98	3.3
		5-year								5	1.2	98	3.3
		10-year								10	1.6	98	3.3
		25-year								17	2.0	98	3.3
		100-year								22	2.3	98	3.3 २२
I WI I 1R01	8271 1	2-vear	Circular	2	0	305.5	803 13	887 10	2 069	29 29	2.0 12 3	30 96	3.3 Q A
LIVELIDUI	0271.1	5-year	Circular	2	0		000.42	007.10	2.009	38	12.3	30	9.6
		10-vear								38	12.3	30	9.6
		25-year								38	12.3	30	9.6
		50-year								38	12.3	30	9.6
		100-year								38	12.3	30	9.6
LWLL1B01	8271.2	2-year	Trapezoidal	1	30	305.5	898.00	894.68	1.087	14	3.1	318	10.6
		5-year								36	4.5	318	10.6
		10-year								49	5.1	318	10.6
		25-year								67	5.8	318	10.6
		50-year								85	6.3	318	10.6
		100-year								104	6.9	318	10.6
LWLL201	LWLL201	2-year	Natural	10	3	167.5	877.86	875.25	1.559	20	1.4	10476	15.3
		5-year								28	1.3	10476	15.3
		10-year								32	1.3	10476	15.3
		50-year								50	1.2	10476	15.3
		100-vear								-74	1.1	10476	15.3
										, ,			10.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	0/70 1	2 voor	Circular	(()	146.5	002.24	077.06	2 741	20	(259	20.5
	0470.1	5-year	Circular		0	140.5	000.04	077.00	3.741	20	10.6	258	20.5
		10-year								33	11.2	258	20.5
		25-year								40	11.9	258	20.5
		50-year								45	12.4	258	20.5
		100-year								52	12.9	258	20.5
LWLL202	8478.2	2-year	Trapezoidal	1	30	146.5	889.34	888.00	0.915	0	0.0	292	9.7
		5-year								0	0.0	292	9.7
		10-year								0	0.0	292	9.7
		20-year								0	0.0	292	9.7
		100-vear								0	0.0	202	9.7
LWLL301	8307.1	2-year	Rectangular	5	7	149.5	882.59	882.28	0.207	118	5.6	218	6.2
		5-year								191	6.7	218	6.2
		10-year								229	7.1	218	6.2
		25-year								239	7.5	218	6.2
		50-year								239	7.6	218	6.2
		100-year								239	7.7	218	6.2
LWLL301	8307.2	2-year	Irapezoidal	3	30	149.5	889.59	888.00	1.063	0	0.0	1815	20.2
		5-year								0	0.0	1815	20.2
		25-year								44	4.3	1815	20.2
		50-year								84	6.1	1815	20.2
		100-year								131	6.9	1815	20.2
LWLL302	8306.1	2-year	Rectangular	5	7	231.3	886.75	882.59	1.799	118	9.0	641	18.3
		5-year								192	10.3	641	18.3
		10-year								230	10.8	641	18.3
		25-year								262	11.0	641	18.3
		50-year								302	11.1	641	18.3
1.14/11.202	8206.2	100-year	Tropozoidal	1	20	001.0	014.00	800 50	10 101	349	11.1	070	18.3
LWLL302	6306.2	z-year 5-year	Паредоіцаі	1		231.3	914.00	690.59	10.121	0	0.0	970	32.3
		10-vear								0	0.0	970	32.3
		25-year								0	0.0	970	32.3
		50-year								0	0.0	970	32.3
		100-year								0	0.0	970	32.3
LWLL303	LWLL303	2-year	Natural	5	3	216.7	890.36	886.75	1.666	107	5.3	1428	6.3
		5-year								174	5.9	1428	6.3
		10-year								205	6.2	1428	6.3
		25-year								250	6.3	1428	6.3
		100-year								326	6.2	1420	6.3
LWLL304	WLL304A	2-year	Special	7.08	7.08	24.0	890.22	890.18	0.166	107	11.3	118	4.7
		5-year	1			0				179	14.7	118	4.7
		10-year								205	15.5	118	4.7
		25-year								250	16.8	118	4.7
		50-year								282	17.6	118	4.7
		100-year								327	18.8	118	4.7
LWLL304	WLL304B	2-year	Trapezoidal	1	30	24.0	894.00	893.98	0.100	0	0.0	79	2.6
		o-year								0	0.0	79	2.6
		25-year								0	0.0	79	2.0
		50-year								0	0.0	79	2.6
		100-year								0	0.0	79	2.6
LWLL305	WLL305A	2-year	Special	7.08	7.08	77.4	890.36	890.22	0.181	95	8.4	137	5.5
		5-year								155	10.6	137	5.5
		10-year								177	11.1	137	5.5
		25-year								217	12.1	137	5.5
		50-year								243	12.8	137	5.5
		100-year								282	13.8	137	5.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWIL 305	WILL 305B	2-vear	Tranezoidal	2	30	77.4	894.08	894.00	0 100	ر <i>ب</i>	0.0	200	5.0
2002000	WELCOOL	5-vear	Trapozoidai			,,,,,	001.00	001.00	0.100	0	0.0	299	5.0
		10-year								0	0.0	299	5.0
		25-year								0	0.0	299	5.0
		50-year								0	0.0	299	5.0
		100-year								0	0.0	299	5.0
LWLL306	LWLL306	2-year	Natural	5	6	46.1	892.10	890.36	3.771	90	10.3	4396	22.0
		5-year								136	12.2	4396	22.0
		10-year								162	13.0	4396	22.0
		25-year								198	14.1	4396	22.0
		100-year								223	14.5	4390	22.0
LWLI 307	WIL 307A	2-vear	Circular	2	0	44 4	893 74	892 10	3 697	207	10.8	-1000	7.5
20022007	WELCOM	5-vear	Circular				000.11	002.10	0.007	31	11.2	24	7.5
		10-year								33	11.3	24	7.5
		25-year								34	11.3	24	7.5
		50-year								34	11.3	24	7.5
		100-year								34	11.3	24	7.5
LWLL307	WLL307B	2-year	Trapezoidal	2	30	44.4	896.00	895.96	0.100	65	3.7	279	4.7
		5-year								105	4.5	279	4.7
		10-year								129	4.9	279	4.7
		25-year								164	5.3	279	4.7
		50-year								191	5.6	279	4.7
		100-year								226	6.0	279	4.7
LWLL308	LWLL308	2-year	Natural	5	6	162.4	896.11	893.74	1.459	90	7.6	6816	16.7
		5-year								130	8.8	6816	16.7
		25-vear								102	0.0	6816	16.7
		50-vear								223	8.9	6816	16.7
		100-vear								258	8.8	6816	16.7
LWLL309	WLL309A	2-vear	Circular	2	0	15.7	896.41	896.11	1.913	29	10.9	12	3.9
		5-year								32	11.0	12	3.9
		10-year								32	10.9	12	3.9
		25-year								33	10.9	12	3.9
		50-year								33	10.9	12	3.9
		100-year								33	10.9	12	3.9
LWLL309	WLL309B	2-year	Trapezoidal	2	30	15.7	899.00	898.98	0.100	61	3.7	240	4.0
		5-year								103	4.5	240	4.0
		10-year								130	4.9	240	4.0
		25-year								167	5.4	240	4.0
		50-year								194	5.7	240	4.0
W/I 310	\// 310	2-vear	Natural	F	F	22.2	807 07	806 /1	1 052	232	0.1	240 10100	4.0 22.2
LIVELOID	LIVELOID	5-vear		5	0		037.07	030.41	1.900	136	3.7	12122	22.3
		10-vear								174	3.7	12122	22.3
		25-year								198	3.7	12122	22.3
		50-year								229	3.7	12122	22.3
		100-year								259	3.7	12122	22.3
LWLL311	WLL311A	2-year	Circular	2.5	0	16.3	897.36	897.07	1.776	63	12.6	37	7.6
		5-year								65	13.1	37	7.6
		10-year								68	13.5	37	7.6
		25-year								68	13.5	37	7.6
		50-year								68	13.5	37	7.6
	140.000	100-year	- ····					0.000		68	13.6	37	7.6
LWLL311	WLL311B	2-year	I rapezoidal	2	30	16.3	900.00	899.98	0.100	28	2.7	240	4.0
		o-year								70	3.9	240	4.0
		25-vear								124	4.4	240	4.0
		50-vear								104	5.0	240	4.0
		100-year								198	5.8	240	4.0
													•

Link Name Condu	Return uit Name Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		Notural	(()	70.0	907.52	907.26	0.202	(0.0)	(7620	(
	5-vear	Naturai	5	0	70.0	037.32	037.30	0.205	136	3.1	7629	9.2
	10-year								163	3.2	7629	9.2
	25-year								198	3.2	7629	9.2
	50-year								224	3.2	7629	9.2
	100-year								260	3.3	7629	9.2
LWLL313 85	503.1 2-year	Circular	2	0	75.4	897.68	897.52	0.212	24	8.1	10	3.1
	5-year								24	8.1	10	3.1
	10-year								24	8.1	10	3.1
	25-year								24	8.1	10	3.1
	50-year								24	8.1	10	3.1
1.11/11.212 95	100-year	Trapazoidal	2	20	75.4	800.07	000 00	0.100	24	0.1	202	5.1
LVVLL313 85	5-vear	Tapezoidai	2		75.4	099.97	099.09	0.100	124	3.9 4.7	303	5.0
	10-year								151	5.0	303	5.0
	25-year								187	5.5	303	5.0
	50-year								214	5.8	303	5.0
	100-year								250	6.1	303	5.0
LWLL314 82	278.1 2-year	Circular	2	0	26.5	897.73	897.68	0.188	29	8.9	9	2.7
	5-year								29	8.9	9	2.7
	10-year								28	8.8	9	2.7
	25-year								28	8.6	9	2.7
	50-year								27	8.5	9	2.7
	100-year								27	8.4	9	2.7
LWLL314 82	278.2 2-year	Trapezoidal	2	30	26.5	900.58	899.97	2.299	75	4.8	1326	22.1
	5-year								122	5.8	1326	22.1
	10-year								149	6.6	1320	22.1
	50-year								212	6.8	1320	22.1
	100-year								212	7.1	1326	22.1
I WI I 315 84	22.2 2-vear	Trapezoidal	3	30	161.5	900 74	900 58	0 100	75	3.6	554	6.2
21122010 01	5-year	Tapozoidai					000.00	000	114	4.3	554	6.2
	10-year								137	4.6	554	6.2
	25-year								168	5.0	554	6.2
	50-year								192	5.3	554	6.2
	100-year								222	5.6	554	6.2
LWLL316 84	23.1 2-year	Circular	2	0	320.0	901.44	898.07	1.053	26	8.1	22	6.9
	5-year								26	8.1	22	6.9
	10-year								26	8.1	22	6.9
	25-year								26	8.1	22	6.9
	50-year								20	8.1	22	6.9
I WI I 316 94	23.2 2-voor	Trapezoidal	2	30	320.0	905 60	901 74	1 224	20	0.1 5.7	1055	0.9
LVVLL310 84	5-vear	Tapezolual	3		320.0	300.09	301.74	1.234	00 QQ	5.7	1955	21.7
	10-vear								122	7.0	1955	21.7
	25-year								153	8.3	1955	21.7
	50-year								177	8.8	1955	21.7
	100-year								208	9.4	1955	21.7
LWLL317 82	279.1 2-year	Circular	2	0	63.5	901.73	901.44	0.456	23	7.4	14	4.5
	5-year								24	7.5	14	4.5
	10-year	_							24	7.5	14	4.5
	25-year								24	7.4	14	4.5
	50-year								24	7.5	14	4.5
	100-year	T	-			005 75	005.05	0.105	24	7.5	14	4.5
LWLL317 82	279.2 2-year	Trapezoidal	3	30	63.5	905.75	905.69	0.100	69	3.7	541	6.0
	5-year								106	4.4 1 °	541	0.0 6.0
	25-vear								129	4.0 5.2	541	6.0
	50-vear								182	5.2	541	6.0 6.0
	100-year								212	5.8	541	6.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8/21 1	2-vear	Circular	()	()	56.9	001.00	001 73	0.457	(0.0)	7.2	(0.0)	(
LWLLJIO	0421.1	5-year	Circular	2	0	50.5	301.33	301.73	0.437	23	7.2	14	4.5
		10-year								22	7.0	14	4.5
		25-year								22	7.0	14	4.5
		50-year								22	6.9	14	4.5
		100-year								22	7.0	14	4.5
LWLL318	8421.2	2-year	Trapezoidal	3	30	56.9	905.81	905.75	0.100	75	3.5	571	6.3
		5-year								114	4.2	571	6.3
		10-year								137	4.6	571	6.3
		50-vear								100	5.0	571	6.3
		100-vear								222	5.6	571	6.3
LWLL3A01	LWLL3A01	2-year	Natural	5.5	10	480.5	889.49	886.75	0.570	4	1.6	936	4.6
		5-year								6	1.7	936	4.6
		10-year								7	1.7	936	4.6
		25-year								8	1.7	936	4.6
		50-year								9	1.6	936	4.6
		100-year	<u>.</u>							11	1.6	936	4.6
LWLL3A02	WLL3A02A	2-year	Circular	2.5	0	113.2	890.59	889.49	0.972	4	4.5	38	7.6
		5-year								6	5.2	38	7.6
		25-vear								8	6.0	38	7.0
		50-vear								9	6.2	38	7.6
		100-year								11	6.5	38	7.6
LWLL3A02	WLL3A02B	2-year	Trapezoidal	1	30	113.2	894.11	894.00	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
	0000.1	100-year	0	1.5	4.5	00.0	000 50	000.00	0.045	0	0.0	95	3.2
LVVLL3B01	8633.1	2-year	Special	4.5	4.5	89.0	890.50	890.22	0.315	17	3.1	56	5.4
		10-vear								20	3.0	56	5.4
		25-year								34	4.3	56	5.4
		50-year								39	4.5	56	5.4
		100-year								45	4.9	56	5.4
LWLL3B01	8633.2	2-year	Trapezoidal	1	30	89.0	894.63	894.00	0.708	0	0.0	257	8.6
		5-year								0	0.0	257	8.6
		10-year								0	0.0	257	8.6
		25-year								0	0.0	257	8.6
		50-year								0	0.0	257	8.6 8 e
WI 3B02	8632.1	2-vear	Special	45	45	38.8	890.62	890 50	0.310	17	3.8	55	5.0
	0002.1	5-year	opoola	4.5		00.0	000.02	000.00	0.010	25	4.1	55	5.4
		10-year								29	4.4	55	5.4
		25-year								34	4.7	55	5.4
		50-year								39	4.9	55	5.4
		100-year								45	5.1	55	5.4
LWLL3B02	8632.2	2-year	Trapezoidal	1	30	38.8	894.87	893.63	3.198	0	0.0	545	18.2
		5-year								0	0.0	545	18.2
		10-year								0	0.0	545	18.2
		50-year								0	0.0	545 545	18.2
		100-year								0	0.0	545	18.2
LWLL3B03	8631.1	2-year	Special	4.5	4.5	43.0	890.76	890.62	0.326	17	4.2	57	5.5
		- 5-year								25	4.3	57	5.5
		10-year								29	4.7	57	5.5
		25-year								34	5.0	57	5.5
		50-year								39	5.1	57	5.5
		100-year								44	5.3	57	5.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWI L3B03	8631.2	2-vear	Trapezoidal	1	30	43.0	895 19	893.87	3.072	0	0.0	535	17.8
EWELODGO	0001.2	5-vear	Trapozoidar			10.0	000.10	000.07	0.072	0	0.0	535	17.8
		10-year								0	0.0	535	17.8
		25-year								0	0.0	535	17.8
		50-year								0	0.0	535	17.8
		100-year								0	0.0	535	17.8
LWLL3B04	8630.1	2-year	Special	4.5	4.5	52.0	890.92	890.76	0.308	17	4.4	55	5.4
		5-year								24	4.7	55	5.4
		10-year								29	4.9	55	5.4
		50-vear								34	5.2	55	5.4
		100-vear								44	5.5	55	5.4
LWLL3B04	8630.2	2-year	Trapezoidal	1	30	52.0	896.00	894.19	3.479	0	0.0	569	19.0
		5-year								0	0.0	569	19.0
		10-year								0	0.0	569	19.0
		25-year								0	0.0	569	19.0
		50-year								0	0.0	569	19.0
		100-year								0	0.0	569	19.0
LWLL3B05	8629.1	2-year	Special	4.5	4.5	39.5	891.04	890.92	0.304	17	4.5	55	5.4
		5-year								24	4.9	55	5.4
		10-year								29	5.1	55	5.4
		50-year								39	5.4	55	5.4
		100-vear								44	5.6	55	5.4
LWLL3B05	8629.2	2-year	Trapezoidal	2	30	39.5	895.04	895.00	0.100	0	0.0	296	4.9
		5-year								0	0.0	296	4.9
		10-year								0	0.0	296	4.9
		25-year								0	0.0	296	4.9
		50-year								0	0.0	296	4.9
		100-year								0	0.0	296	4.9
LWLL401	8277.1	2-year	Circular	2	0	166.3	891.50	885.32	3.717	21	8.9	40	12.9
		5-year								29	11.7	40	12.9
		25-vear								41	12.4	40	12.9
		50-vear								44	14.0	40	12.9
		100-year								46	14.4	40	12.9
LWLL401	8277.2	2-year	Trapezoidal	1	30	166.3	895.50	892.00	2.105	0	0.0	443	14.8
		5-year								0	0.0	443	14.8
		10-year								0	0.0	443	14.8
		25-year								0	0.0	443	14.8
		50-year								6	2.8	443	14.8
		100-year	Circular			440.0	007 07	000 55	4 000	15	3.9	443	14.8
LVVLL501	VVLL501A	∠-year 5-vear	Circular	2	0	110.2	887.97	886.55	1.289	26	7.8	24	7.6 7.6
		10-vear								20	7.9	24	7.0
		25-vear								26	7.9	24	7.6
		50-year								26	8.0	24	7.6
		100-year								26	7.9	24	7.6
LWLL501	WLL501B	2-year	Trapezoidal	6	30	110.2	890.11	890.00	0.100	29	2.5	1593	8.8
		5-year								58	3.3	1593	8.8
		10-year								75	3.7	1593	8.8
		25-year								102	4.2	1593	8.8
		50-year								123	4.3	1593	8.8
	8420.1	2-vear	Circular	1 5		22.4	887 OF	887 22	2 011	146	4.4	1593	ö.ö
	0420.1	5-year		1.5	0	22.1	001.90	007.33	2.011	15	8.7	14	7.9
		10-year								15	8.7	14	7.9
		25-year								15	8.7	14	7.9
		50-year								15	8.8	14	7.9
		100-year								15	8.9	14	7.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8420.2	2-vear	Trapezoidal	(30	22.1	803.80	803.87	0.100	(0.0)	2.0	1302	(
LWLLOOT	0420.2	5-year	Паредонал	0		22.1	033.03	035.07	0.100	21	2.0	1302	7.2
		10-year								28	2.7	1302	7.2
		25-year								36	3.0	1302	7.2
		50-year								42	3.2	1302	7.2
		100-year								51	3.4	1302	7.2
LWLL701	8419.1	2-year	Circular	1.5	0	21.6	890.11	888.58	7.083	24	13.5	22	12.5
		5-year								24	13.5	22	12.5
		10-year								24	13.5	22	12.5
		25-year								24	13.5	22	12.5
		100-year								24	13.5	22	12.5
I WI I 701	8419.2	2-vear	Trapezoidal	2	30	21.6	895.02	895.00	0 100	-17	2 1	240	4.0
	0110.2	5-vear	Trapozoidai			21.0	000.02	000.00	0.100	36	2.7	240	4.0
		10-year								47	2.9	240	4.0
		25-year								62	3.3	240	4.0
		50-year								73	3.4	240	4.0
		100-year								88	3.6	240	4.0
LWLMC01	LWLMC01	2-year	Circular	6	0	109.1	873.21	871.99	1.118	340	16.4	416	14.7
		5-year								439	16.8	416	14.7
		10-year								487	17.5	416	14.7
		25-year								587	20.3	416	14.7
		100-year								757	24.1	416	14.7
		2-vear	Circular	6	0	85.0	87/ 16	873 21	1 1 1 8	340	20.7	410	14.7
LVVLIVICUZ	WEINICUZA	2-year 5-year	Circular	0	0	05.0	074.10	073.21	1.110	439	16.8	410	14.7
		10-vear								487	17.1	416	14.7
		25-year								587	20.3	416	14.7
		50-year								681	24.0	416	14.7
		100-year								757	26.7	416	14.7
LWLMC02	WLMC02B	2-year	Trapezoidal	1	30	85.0	910.00	909.92	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		2-vear	Circular	6	0	70.4	87/ 05	874 16	1 1 2 2	262	14.2	94 /17	3.1 14.7
EVVENICOS	WEINCOSA	5-year	Circular	0	0	70.4	074.33	074.10	1.122	330	15.0	417	14.7
		10-vear								374	16.3	417	14.7
		25-year								513	18.1	417	14.7
		50-year								597	21.0	417	14.7
		100-year								663	23.3	417	14.7
LWLMC03	WLMC03B	2-year	Trapezoidal	1	30	70.4	910.07	910.00	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		2-vear	Tranezoidal	10	٨	1.9.0	875 25	874 05	1 650	0 262	0.0	90 5507	3.2 12 A
		5-vear	Tapezulual	10	4	10.2	010.20	014.90	1.000	330	4.4	5527	12.0
		10-year								374	4.5	5527	12.6
		25-year								513	4.4	5527	12.6
		50-year								598	4.4	5527	12.6
		100-year								663	4.4	5527	12.6
LWLMC05	LWLMC05	2-year	Natural	18	4	321.2	880.50	875.25	1.634	234	7.1	53939	18.8
		5-year								294	7.2	53939	18.8
		10-year								343	7.2	53939	18.8
		25-year								478	7.2	53939	18.8
		50-year								5/0	7.1	53939	18.8
		roo-year								007	7.1	53939	18.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Circular	(1000)	0	40.4	882.00	880.50	3 711	234	10.0	()	11.0
EWENOOO	WEINCOOK	5-vear	Oncular		0	++	002.00	000.00	0.711	294	24.1	150	11.9
		10-year								316	25.5	150	11.9
		25-year								319	25.6	150	11.9
		50-year								319	25.6	150	11.9
		100-year								320	25.6	150	11.9
LWLMC06	WLMC06B	2-year	Trapezoidal	1	30	40.4	890.00	889.96	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								27	2.6	96	3.2
		25-year								165	5.5	96	3.2
		100-year								342	11.4	96	3.2
LWLMC07	LWLMC07	2-vear	Natural	9	30	195.7	882.28	882.00	0.143	213	1.2	5617	3.8
		5-year								274	1.2	5617	3.8
		10-year								318	1.2	5617	3.8
		25-year								450	1.1	5617	3.8
		50-year								591	1.2	5617	3.8
		100-year								674	1.2	5617	3.8
LWLMC08	LWLMC08	2-year	Natural	10	10	329.5	882.76	882.28	0.146	168	1.7	10491	4.8
		5-year								260	1.7	10491	4.8
		10-year								312	1.7	10491	4.8
		50-vear								422	1.7	10491	4.0
		100-year								477	1.7	10491	4.0
LWLMC09	WLMC09A	2-vear	User Defined	0	0	16.9	882.84	882.76	0.473	169	1.4	0	6.1
		5-year	occi Donnou				002.01	002.10		261	1.9	0	6.1
		10-year								314	2.2	0	6.1
		25-year								379	2.3	0	6.1
		50-year								423	2.5	0	6.1
		100-year								479	2.6	0	6.1
LWLMC09	WLMC09B	2-year	Trapezoidal	1	30	16.9	898.00	897.98	0.100	0	0.0	79	2.6
		5-year								0	0.0	79	2.6
		10-year								0	0.0	79	2.6
		50-year								0	0.0	79	2.0
		100-vear								0	0.0	79	2.6
LWLMC10	LWLMC10	2-year	Natural	10	12	628.0	884.21	882.84	0.218	115	2.6	9285	5.5
		5-year								174	2.8	9285	5.5
		10-year								208	2.9	9285	5.5
		25-year								245	3.0	9285	5.5
		50-year								268	3.1	9285	5.5
		100-year					0 5 + 1	0.0.1		295	3.1	9285	5.5
LWLMC11	WLMC11A	2-year	Rectangular	3	6	134.0	884.94	884.21	0.545	115	6.8	141	7.8
		o-year								175	9.5	141	7.8
		25-vear								209	11.6	141	/.8 7 9
		50-year								245	14.8	141	7.8
		100-year								295	16.3	141	7.8
LWLMC11	WLMC11B	2-year	Trapezoidal	1	30	134.0	894.00	893.87	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year	N				007.5			0	0.0	95	3.2
LWLMC12	LWLMC12	2-year	Natural	8	10	137.9	885.32	884.94	0.276	111	2.0	2168	5.5
		10-vear								205	2.1	2168	5.5 5.5
		25-year								203	2.1	2168	5.5
		50-year								265	2.1	2168	5.5
		100-year								291	2.1	2168	5.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLMC13	LWLMC13	2-vear	Natural	7	5	446.7	886.55	885.32	0 275	101	24	2827	5.0
211211010	Littline to	5-year	- latara				000.00	000.02	0.2.0	180	2.4	2827	5.0
		10-year								223	2.4	2827	5.0
		25-year								255	2.4	2827	5.0
		50-year								283	2.4	2827	5.0
		100-year								315	2.4	2827	5.0
LWLMC14	8276.1	2-year	Circular	2	0	79.9	887.33	886.55	0.976	49	15.3	21	6.6
		5-year								57	17.9	21	6.6
		10-year								57	17.9	21	6.6
		50-vear								57	18.0	21	0.0 6.6
		100-vear								57	18.1	21	6.6
LWLMC14	8276.2	2-year	Trapezoidal	2	30	79.9	894.87	891.00	4.842	0	0.0	2046	34.1
		5-year								52	8.2	2046	34.1
		10-year								91	10.2	2046	34.1
		25-year								130	11.8	2046	34.1
		50-year								157	12.7	2046	34.1
		100-year								193	13.8	2046	34.1
LWLMC15	8275.1	2-year	Circular	2.5	0	635.5	888.58	887.33	0.197	33	6.7	17	3.4
		5-year								34	6.8	17	3.4
		10-year								33	6.0	17	3.4
		50-year								33	6.8	17	3.4
		100-vear								33	6.7	17	3.4
LWLMC15	8275.2	2-vear	Trapezoidal	3	30	635.5	896.00	892.87	0.493	17	2.4	1235	13.7
		5-year								69	1.9	1235	13.7
		10-year								97	2.3	1235	13.7
		25-year								125	2.8	1235	13.7
		50-year								144	3.2	1235	13.7
		100-year								170	3.6	1235	13.7
LWLMC16	8274.1	2-year	Circular	2	0	429.9	894.42	888.58	1.358	18	5.7	24	7.8
		5-year								17	5.4	24	7.8
		10-year								17	5.4	24	7.8
		50-year								17	5.4	24	7.0
		100-vear								17	5.6	24	7.8
LWLMC16	8274.2	2-year	Trapezoidal	3	30	429.9	898.75	894.00	1.105	0	0.0	1850	20.6
		5-year								30	0.8	1850	20.6
		10-year								39	1.0	1850	20.6
		25-year								51	1.3	1850	20.6
		50-year								60	1.4	1850	20.6
		100-year								72	1.6	1850	20.6
LWLMC17	8273.1	2-year	Circular	2	0	603.9	906.62	894.42	2.020	30	9.5	30	9.5
		o-year								31	9.8	30	9.5
		25-vear								31	9.8 Q R	30	9.5
		50-year								31	9.8	30	9.5
		100-year								31	9.9	30	9.5
LWLMC17	8273.2	2-year	Trapezoidal	2	30	603.9	911.12	897.75	2.214	0	0.0	1384	23.1
		5-year								16	0.9	1384	23.1
		10-year								25	1.3	1384	23.1
		25-year								37	1.7	1384	23.1
		50-year								46	2.1	1384	23.1
	a	100-year	<u>.</u>				005.5	000 5		58	2.5	1384	23.1
LWLMC18	8417.1	2-year	Circular	2	0	51.3	908.89	906.62	4.428	32	13.1	44	14.1
		o-year								36	13.1	44	14.1
		25-year								36	13.1	44 44	14.1
		50-vear								37	13.2	44	14.1
		100-year								37	13.0	44	14.1
Table B.4Hydraulic Modeling - Conduit Results for Existing Conditions

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLMC18	8417.2	2-year	Trapezoidal	2	30	51.3	911.89	910.12	3.453	0	0.0	1728	28.8
		5-year								21	1.2	1728	28.8
		10-year								30	1.6	1728	28.8
		25-year								42	2.1	1728	28.8
		50-year								51	2.5	1728	28.8
		100-year								63	2.9	1728	28.8
RCL0820	RCL0820A	2-year	Circular	3	0	77.3	913.50	913.39	0.142	24	4.8	23	3.3
		5-year								35	5.7	23	3.3
		10-year								42	6.3	23	3.3
		25-year								50	7.0	23	3.3
		50-year								52	7.2	23	3.3
		100-year								64	8.8	23	3.3
RCL0820	RCL0820B	2-year	Trapezoidal	1	30	77.3	918.77	918.69	0.104	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3

S-Laura Nama	SWWM	atch- nent	Area	Tc	Future
Subarea Name	Node	ц П	(acres)	(min.)	CN
COUNTRY CL		1	7.57	6 12	(0)
CCMC00	CCMC00	1	12.02	6.13	69 75
CCMC01	CCMC01	I	13.02	14.69	75
CCMC02	CCMC02	1	3.60	1.69	82
CCMC04	CCMC04	1	15.85	14.32	91
CCMC06	CCMC06	1	19.58	5.56	87
CCMC10	CCMC10	1	44.25	20.05	87
CCMC11	CCMC11	1	39.58	19.51	90
CCMC12	CCMC12	1	58.27	18.13	85
CCL101	CCL101	1	21.23	13.24	79
CCL103	CCL103	1	20.86	14.35	84
CCL107	CCL107	1	28.25	16.30	83
CCL112	CCL112	1	5.80	9.74	86
CCL113	CCL113	1	13.11	9.33	87
CCL204	CCL204	1	9.11	8.25	93
EAST 4TH ST	REET (E4)				
E4MC01	E4MC01	1	26.38	9.62	82
EAST 7TH ST	REET (E7)				
E7MC01	E7MC01	1	38.82	16.97	88
EISENHOWER	2 / 23RD STR	REET (E	23)		
E23MC01	E23MC01	1	226.24	55.28	85
E23MC02	E23MC02	1	229.22	46.03	85
E23MC03	E23MC03	1	97.42	35.22	89
E23MC04	E23MC04	1	147.45	46.72	88
E23MC05	E23MC05	1	68.54	44.59	91
E23L105	E23L105	1	2.87	4.91	89
E23L106	E23L106	1	2.08	2.66	89
E23L1A01	E23L1A01	1	8.42	7.97	86
FOREST PAR	K (FP)				
FPMC03	FPMC03	1	2.73	9.92	72
FPMC04	FPMC04	1	35.23	20.86	79
FPMC05	FPMC05	1	28.83	25.81	70
FPL102	FPL102	1	3.40	3.55	81
FPL104	FPL104	1	6.43	9.61	90
FPL203	FPL203	1	2.10	0.77	90
FPL206	FPL206	1	42.96	36.23	91
FPL301	FPL301	1	12.12	14.04	69
INDUSTRIAL F	PARK (IP)				
UWMC01	UWMC01	1	86.26	62.95	89
IPMC07	IPMC07	1	145.47	51.01	93
IPMC09	IPMC09	1	150.31	72.62	92
IPMC10	IPMC10	1	5 09	11.15	92
IPMC11	IPMC11	1	46.89	26.59	89

Subaraa Nama	SWWM	Satch- nent	Area	Tc	Future
JDMC12	IDMC12		(acres)	(11111.)	
IPMC15	IPMC15	1	56.17	40.02	03
IPMC10	IF MC13	1	280.85	06.54	93
IPMC19	IPMC19	1	200.03	90.34	92
IPMC20	IPMC20	1	12.24	49.45	<u>80</u> 02
IPL201 IDL202	IPL201 IDL202	1	12.34	10.04	92
IPL202	IPL202	1	13.30	10.94	95
IPL200	IPL200	1	1.01	3.23	92
IPL2A01	IPL2A01	1	14.30	11.01	93
IPL2A02	IPL2A02	1	10.99	8.54	8/
IPL2A05	IPL2A05	1	10.88	0.83	88
IPL411	IPL411	1	9.00	6.39	87
IPL502	IPL502	1	10.81	18.56	93
IPL601	IPL601	1	37.96	18.48	8/
IPL605	IPL605	1	6.51	9.57	89
IPL6A01	IPL6A01	1	8.18	13.94	87
IPL6A03	IPL6A03	1	8.35	8.78	87
LOWER WILS			100 51	64 50	0.1
LWMC02	LWMC02	1	139.51	64.58	81
LWMC04	LWMC04	1	84.70	52.63	74
LWMC06	LWMC06	1	48.04	21.59	88
LWMC08	LWMC08	1	77.05	20.75	82
LWMC09	LWMC09	1	14.36	15.77	82
LWMC11	LWMC11	1	94.25	70.81	87
LWMC12	LWMC12	1	70.99	30.33	89
LWMC13	LWMC13	1	122.83	97.12	89
LWMC14	LWMC14	1	117.77	116.47	88
LWL101	LWL101	1	143.51	36.01	86
NUGENT CRE	EK (NC)				
NCMC01	NCMC01	1	133.69	84.16	82
NCMC02	NCMC02	1	154.02	100.40	84
NCMC04	NCMC04	1	166.46	95.55	87
NCMC05	NCMC05	1	33.53	31.36	87
NCMC06	NCMC06	1	181.82	76.30	86
NCMC08	NCMC08	1	161.30	67.48	86
NCMC09	NCMC09	1	84.85	41.13	87
NCMC10	NCMC10	1	103.54	46.97	87
NCMC11	NCMC11	1	159.57	45.57	83
NCMC12	NCMC12	1	146.11	37.18	89
NCL201	NCL201	1	25.06	19.22	88
NCL202	NCL202	1	11.43	9.39	86
NCL401	NCL401	1	97.26	38.92	85
NCL4A01	NCL4A01	1	17.99	18.01	91
NCL4B01	NCL4B01	1	10.31	14.06	90

Subarea Name	SWWM Node	Catch- ment	Area	Tc (min.)	Future CN
NCI 4D01	NCL4D01	1	(acres) 6.46	(IIIII) 5 41	90
NCL500	NCL500	1	103.54	46.97	87
NCL502	NCL502	1	137.35	24.11	74
NCL503	NCL503	1	121.20	31.64	72
PIN OAK (PO)	1102000	-	121120	01101	/ _
POMC01	POMC01	1	88.38	33,79	86
POMC02	POMC02	1	34.51	19.10	91
POMC03	POMC03	1	58.08	29.21	87
POMC11	POMC11	1	30.13	15.25	86
POMC18	POMC18	1	41.98	16.82	89
POL102	POL102	1	11.22	12.92	87
POL105	POL105	1	5.22	11.45	87
POL110	POL110	1	4.82	16.35	87
POL301	POL301	1	25.53	14.61	92
POL306	POL306	1	10.01	8.82	89
POL405	POL405	1	14.34	11.76	89
POL502	POL502	1	20.96	14.05	87
POSSUM RUN	(PR)				
PRMC05	PRMC05	1	5.31	9.09	79
PRMC07	PRMC07	1	9.87	13.47	91
PRMC09	PRMC09	1	8.20	9.21	94
PRMC15	PRMC15	1	13.20	7.05	90
PRMC16	PRMC16	1	18.58	21.18	86
PRMC19	PRMC19	1	17.02	8.58	93
PRMC21	PRMC21	1	9.00	6.95	90
PRL101	PRL101	1	3.16	6.20	85
PRL107	PRL107	1	5.00	10.15	89
PRL202	PRL202	1	19.15	11.53	87
PRL204	PRL204	1	9.07	7.96	86
PRL208	PRL208	1	7.80	6.81	84
PRL212	PRL212	1	17.47	9.96	84
PRL215	PRL215	1	5.24	7.39	84
PRL218	PRL218	1	24.68	12.45	85
PRL2A01	PRL2A01	1	8.59	13.05	86
PRL302	PRL302	1	10.27	9.49	88
PRL305	PRL305	1	24.15	15.02	88
PRL307	PRL307	1	2.23	5.97	88
PRL401	PRL401	1	2.22	9.32	90
ROCK CREEK	(RC)				
RCMC01	RCMC01	1	108.36	30.88	83
RCMC02	RCMC02	1	8.53	11.41	70
RCMC03	RCMC03	1	35.29	20.66	77
RCMC06	RCMC06	1	30.76	10.30	82

Subores North	SWWM	Satch- nent	Area	Tc	Future
Subarea Name			(acres)	(min.)	UN 70
RCMC07	RCMC07	1	01.20	4.84	/9 02
RCMC08	RCMC08	1	81.30	59.07	82
RCMC09	RCMC09	1	4.00	4.35	11
RCMC14	RCMC14	I	11.58	5.94	80
RCMC1/	RCMC1/	I	/0.55	27.12	83
RCMC19	RCMC19	1	100.58	32.15	88
RCMC23	RCMC23	1	133.93	37.41	90
RCMC24	RCMC24	l	49.51	19.37	85
RCMC25	RCMC25	1	17.33	10.07	85
RCMC27	RCMC27	1	44.01	34.24	93
RCMC31	RCMC31	1	232.73	78.77	91
RCMC32	RCMC32	1	115.23	29.84	86
RCMC34	RCMC34	1	223.79	62.78	87
RCMC36	RCMC36	1	158.63	62.37	90
RCMC37	RCMC37	1	259.98	63.44	83
RCMC38	RCMC38	1	197.35	88.32	84
RCMC39	RCMC39	1	228.58	76.07	84
RCMC40	RCMC40	1	76.97	28.83	87
RCMC41	RCMC41	1	136.06	109.60	78
RCMC42	RCMC42	1	224.49	85.45	84
RCMC43	RCMC43	1	217.78	104.77	86
RCMC44	RCMC44	1	128.78	48.66	85
RCMC45	RCMC45	1	184.82	61.58	85
RCMC46	RCMC46	1	168.94	149.79	85
RCMC47	RCMC47	1	117.80	75.85	85
RCMC48	RCMC48	1	211.92	59.64	86
RCMC49	RCMC49	1	188.98	68.45	82
RCMC50	RCMC50	1	155.77	65.77	83
RCMC51	RCMC51	1	125.43	60.85	85
RCMC52	RCMC52	1	207.23	63.83	85
RCMC53	RCMC53	1	124.22	50.85	82
RCMC54	RCMC54	1	152.98	37.25	83
RCMC55	RCMC55	1	202.39	53.22	80
RCMC56	RCMC56	1	204.43	42.33	81
RCMC57	RCMC57	1	157.92	65.12	82
RCMC58	RCMC58	1	179.47	43.79	87
RCL0102	RCL0102	1	7.94	6.81	87
RCL0103	RCL0103	1	10.69	8.83	87
RCL0105	RCL0105	1	22.29	12.40	86
RCL0113	RCL0113	1	11.26	5.95	92
RCL01A02	RCL01A02	1	10.46	6.75	84
RCL01A06	RCL01A06	1	11.77	10.73	85
RCL01A08	RCL01A08	1	4 54	3 18	86

Subaraa Nama	SWWM Node	Catch- nent	Area	Tc	Future CN
PCL01A11	PCL01A11		(acres)	(IIIII.)	Q1 87
RCL01A12	RCL01A12	1	6.08	6.22	87
RCL01R01	RCL01R12	1	12.03	6.22	89
RCL 0201	RCL 0201	1	9.57	5.05	81
RCL0201	RCL0201	1	4 69	5.65	84
RCL0206	RCL0206	1	11 40	5.80	79
RCL0211	RCL0211	1	14.23	9.94	86
RCL02A02	RCL02A02	1	5.87	3.51	90
RCL02B02	RCL02B02	1	1.93	2.41	86
RCL02D03	RCL02D03	1	5.09	7.61	91
RCL0300	RCL0300	1	1.92	3.60	81
RCL0303	RCL0303	1	5.30	3.45	75
RCL0305	RCL0305	1	21.30	12.57	90
RCL0402	RCL0402	1	12.65	7.68	82
RCL0403	RCL0403	1	38.60	17.17	90
RCL0408	RCL0408	1	6.38	5.87	85
RCL0501	RCL0501	1	10.62	11.19	85
RCL0502	RCL0502	1	11.79	11.53	86
RCL0504	RCL0504	1	3.33	6.31	88
RCL0505	RCL0505	1	27.29	16.94	90
RCL05A02	RCL05A02	1	10.16	9.46	87
RCL0603	RCL0603	1	6.42	4.57	87
RCL0702	RCL0702	1	11.40	6.75	91
RCL0704	RCL0704	1	4.54	6.16	92
RCL0707	RCL0707	1	5.06	9.53	94
RCL0800	RCL0800	1	49.51	19.37	85
RCL0802	RCL0802	1	19.84	9.85	91
RCL0805	RCL0805	1	4.47	6.82	94
RCL0806	RCL0806	1	4.62	5.14	95
RCL0808	RCL0808	1	3.02	4.80	95
RCL0812	RCL0812	1	4.82	12.60	94
RCL0815	RCL0815	1	71.07	68.78	93
RCL0818	RCL0818	1	0.88	2.32	95
RCL08A01	RCL08A01	1	50.25	32.30	90
RCL08A05	RCL08A05	1	13.44	11.54	93
RCL08A09	RCL08A09	1	9.29	8.96	91
RCL08B03	RCL08B03	1	1.42	4.26	95
RCL08C04	RCL08C04	1	13.38	22.10	94
RCL08D01	RCL08D01	1	1.01	5.09	94
RCL08D05	RCL08D05	1	21.11	31.89	94
RCL1001	RCL1001	1	136.86	44.75	86
RCL1101	RCL1101	1	106.44	24.10	81
RCL1201	RCL1201	1	179.78	134.24	86

Subarea Name	SWWM	Catch- nent	Area	Tc (min)	Future CN
RCL 1202	RCI 1202		(acres)	376 54	88
RCL1202	RCL1202	1	216.68	68.80	92
RCL1300	RCL1300	1	210.00	84.45	84
RCL 1301	RCL1301	1	164.04	40.44	79
RCL1302	RCL1302	1	82.58	22 30	76
RCL1303	RCL1303	1	197.67	21.93	78
RCL13A01	RCL13A01	1	158.22	27.60	77
RCL1400	RCL1400	1	217.78	104.77	86
RCL1401	RCL1401	1	64.80	38.20	87
RCL1402	RCL1402	1	184.23	22.73	81
RCL1501	RCL1501	1	145.26	43.26	90
RCL1601	RCL1601	1	229.49	84.94	87
RCL1602	RCL1602	1	177.96	74.51	89
RCL1603	RCL1603	1	148.78	59.38	88
RCL1604	RCL1604	1	147.24	56.58	88
RCL16A00	RCL16A00	1	190.90	71.79	86
RCL16A01	RCL16A01	1	119.46	41.78	87
RCL1701	RCL1701	1	182.24	86.52	85
RCL1702	RCL1702	1	185.82	108.00	87
RCL1703	RCL1703	1	117.47	26.39	81
RCL1801	RCL1801	1	166.20	61.92	86
RCL1901	RCL1901	1	182.58	30.26	85
RCL2001	RCL2001	1	165.43	34.09	85
RCL2002	RCL2002	1	184.16	40.56	84
RCL901	RCL901	1	151.21	44.47	91
SKUNK RUN (SR)				
SRMC03	SRMC03	1	1.75	23.57	74
SRMC04	SRMC04	1	25.46	10.87	80
SRMC05	SRMC05	1	49.18	13.93	86
SRMC08	SRMC08	1	26.95	14.74	85
SRMC13	SRMC13	1	30.55	22.67	88
SRMC19	SRMC19	1	19.68	11.92	91
SRMC23	SRMC23	1	3.65	4.98	91
SRMC24	SRMC24	1	6.04	9.73	86
SRMC27	SRMC27	1	6.34	8.83	87
SRMC31	SRMC31	1	27.17	13.81	87
SRMC34	SRMC34	1	24.16	12.75	87
SRMC36	SRMC36	1	15.05	13.59	85
SRMC40	SRMC40	1	12.70	10.95	85
SRMC41	SRMC41	1	15.42	10.94	85
SRMC44	SRMC44	1	28.87	11.20	92
SRL0101	SRL0101	1	1.38	4.13	88
SRL0103	SRL0103	1	2.83	11.07	88

Subaraa Nama	SWWM	Catch- nent	Area	Tc (min)	Future CN
SRI 0105	SRI 0105		(acres)	(IIIII.) 63.85	01
SRL0105	SRL0105	1	10.63	11 51	86
SRL0100	SRL0112	1	8.47	8.76	90
SRL0112	SRL0112	1	8 14	9.70	93
SRL0121	SRL0121	1	10.14	17.24	94
SRL01401	SRL01401	1	2.06	4 95	87
SRL01403	SRL01403	1	4 85	8 97	87
SRL01503	SRL01503	1	22.84	19.80	87
SRL0201	SRL0201	1	4.76	5.85	86
SRL0204	SRL0204	1	17.93	26.03	90
SRL0304	SRL0304	1	9.41	7 30	92
SRL0307	SRL0307	1	21.15	13.66	95
SRL0402	SRL0402	1	21.02	11.21	80
SRL0403	SRL0403	1	13.13	11.21	83
SRL0404	SRL0404	1	10.24	6 53	88
SRL0406	SRL0406	1	16.39	7.46	87
SRL0408	SRL0408	1	29.17	13 46	90
SRL0601	SRL0601	1	3.04	2.54	86
SRL0602	SRL0602	1	8.34	13.10	89
SRL0607	SRL0607	1	12.48	10.00	91
SRL0701	SRL0701	1	3.45	6.33	91
SRL0705	SRL0705	1	2.52	6.65	90
SRL0707	SRL0707	1	16.34	23.75	89
SRL0801	SRL0801	1	2.57	3.99	90
SRL0803	SRL0803	1	17.60	11.76	88
SRL0804	SRL0804	1	10.49	13.12	87
SRL0904	SRL0904	1	1.06	2.15	94
SRL09A01	SRL09A01	1	11.14	13.01	90
SRL09A03	SRL09A03	1	8.15	9.17	87
SRL1001	SRL1001	1	0.86	6.90	88
SRL1004	SRL1004	1	3.27	4.93	87
SRL1103	SRL1103	1	9.85	10.30	89
SRL1106	SRL1106	1	7.56	10.68	88
SRL1110	SRL1110	1	2.70	44.81	87
SRL1202	SRL1202	1	5.36	4.42	87
SRL1602	SRL1602	1	5.72	8.96	88
SRL1703	SRL1703	1	7.74	9.40	88
SRL1705	SRL1705	1	12.74	17.33	88
SRL1802	SRL1802	1	10.97	7.14	87
SRL1804	SRL1804	1	11.56	21.89	92
SRL1806	SRL1806	1	4.43	5.75	92
SRL1809	SRL1809	1	12.68	12.96	93
SRL18A03	SRL18A03	1	10 33	10 77	88

Subaraa Nama	SWWM	Catch- nent	Area	Tc	Future
Subarea Maine	SPI 1003		(acres)	(IIIII.) 13.00	01
SRL1903	SRL1903	1	16.51	7.05	91 87
SRL2003	SRL2003	1	12.24	13.80	88
	SKE2105	1	12.24	15.00	00
SCMC01	SCMC01	1	65 14	31.70	85
SCMC03	SCMC03	1	2 67	4 19	91
SCMC05	SCMC05	1	4 61	8 71	92
SCMC08	SCMC08	1	9.73	8.73	88
SCMC13	SCMC13	1	9.48	8.89	87
SCMC20	SCMC20	1	11.53	10.33	88
SCL103	SCL103	1	4.95	9.06	86
SCL116	SCL116	1	16.84	12.37	89
SCL1A04	SCL1A04	1	15.86	10.78	86
SCL201	SCL201	1	5.87	7.74	90
SCL301	SCL301	1	6.26	10.13	87
SYCAMORE S	TREET (SY)	-			
SYMC02	SYMC02	1	2.21	4.52	82
SYMC05	SYMC05	1	6.21	9.29	84
UPPER WILSO	ON (UW)				
UWMC00	UWMC00	1	17.30	27.69	78
UWMC03	UWMC03	1	125.35	102.87	82
UWMC04	UWMC04	1	210.85	92.32	84
UWMC05	UWMC05	1	336.36	114.72	85
UWMC06	UWMC06	1	228.83	82.51	91
UWMC07	UWMC07	1	216.34	75.39	93
UWMC08	UWMC08	1	216.72	172.97	91
UWMC09	UWMC09	1	300.71	46.43	88
UWMC10	UWMC10	1	177.35	32.16	79
UWMC11	UWMC11	1	203.92	43.16	80
UWMC12	UWMC12	1	174.62	22.34	77
UWL101	UWL101	1	156.07	44.62	88
UWL201	UWL201	1	523.41	79.02	89
UWL301	UWL301	1	128.30	32.25	89
UWL302	UWL302	1	197.74	29.77	76
VISITOR CENT	FER (VC)				
VCMC01	VCMC01	1	178.23	75.70	78
VCMC02	VCMC02	1	83.31	33.65	81
VCMC03	VCMC03	1	123.74	30.89	82
VCMC04	VCMC04	1	30.29	17.84	93
VCMC06	VCMC06	1	44.30	13.76	91
VCMC07	VCMC07	1	37.93	15.89	92
VCMC08	VCMC08	1	32.10	12.49	91
VCL102	VCL102	1	111.36	39.30	87

Subarea Name	SWWM Node	Catch- ment	Area (acres)	Tc (min.)	Future CN		
VCL201	VCL201	1	37.12	15.27	89		
WEST 13TH S	WEST 13TH STREET (W13)						
NCL202	NCL202	1	11.43	9.39	88		
W13MC04	W13MC04	1	17.04	12.18	90		
W13L1B01	W13L1B01	1	9.14	9.74	86		
W13L1C01	W13L1C01	1	2.50	6.59	87		
W13L201	W13L201	1	2.10	4.92	88		
W13L202	W13L202	1	3.56	3.09	85		
W13L401	W13L401	1	1.96	3.27	86		
WILLOW STRI	EET (WL)						
WLMC04	WLMC04	1	22.92	19.56	86		
WLMC06	WLMC06	1	21.18	35.28	84		
WLMC09	WLMC09	1	51.15	47.21	85		
WLMC11	WLMC11	1	2.54	10.65	93		
WLMC18	WLMC18	1	17.06	23.64	87		
WLL104	WLL104	1	2.48	3.11	87		
WLL109	WLL109	1	4.75	3.08	95		
WLL1A01	WLL1A01	1	10.59	8.29	89		
WLL1A02	WLL1A02	1	8.78	13.79	87		
WLL1B01	WLL1B01	1	26.25	33.35	92		
WLL202	WLL202	1	8.59	9.98	90		
WLL302	WLL302	1	4.88	4.67	91		
WLL305	WLL305	1	6.00	4.94	87		
WLL314	WLL314	1	6.26	6.08	87		
WLL318	WLL318	1	40.95	17.33	88		
WLL3A02	WLL3A02	1	1.76	2.59	93		
WLL3B05	WLL3B05	1	7.28	7.91	89		
WLL401	WLL401	1	8.48	10.72	92		
WLL501	WLL501	1	30.60	27.94	87		
WLL601	WLL601	1	9.91	7.87	93		
WLL701	WLL701	1	18.94	11.12	87		

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			:1		
				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)		(1111)	m^3/s)
CCL101	2-year	21.23	79	13	33.7
	5-year				53.3
	10-year				65.5
	25-year				81.9
	100 year				94.3
CCI 102	Ducor	20.96	0.4	1.4	110.0
CCLI03	Z-year	20.80	04		40.0
	10 year				73.6
	25 year				73.0
	20-year				102.8
	100-year				1102.0
CCI 107	2 voor	20.25	02	16	F1 0
00L107	∠-year	20.20	03	10	51.9 78.7
	10-vear				95.0
	25-year				116.9
	50-year				133.3
	100-yer				155.1
CCL112	2-vear	5.80	86	10	12.4
	5-year				18.3
	10-year				21.7
	25-year				26.4
	50-year				29.9
	100-yer				34.5
CCL113	2-year	13.11	87	9	28.8
	5-year				41.9
	10-year				49.7
	25-year				60.1
	50-year				67.9
	100-yer				78.2
CCL204	2-year	9.11	93	8	23.8
	5-year				32.8
	10-year				38.1
	25-year				45.1
	50-year				50.4
	100-yer				57.4
CCMC00	2-year	7.57	69	6	8.5
	5-year				15.0
	10-year				19.2
	25-year				24.9
	50-year				29.3
00110-1	100-yer		_		35.3
CCMC01	2-year	13.02	75	15	16.7
	5-year				28.0
	10-year				35.2
	25-year				44.9
	50-year				52.4
	100-yer				62.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
CCMC02	2-year	3.60	82	2	7.3
	5-year				10.9
	10-year				13.0
	25-year				15.9
	50-year				18.1
0014004	100-yer	45.05			21.0
CCMC04	2-year	15.85	91	14	38.2
	5-year				54.2
	10-year				63.8
	25-year				/6.4
	50-year				85.8
	100-yer				98.2
CCMC06	2-year	19.58	87	6	43.1
	5-year				62.7
	10-year				74.4
	25-year				89.9
	50-year				101.4
	100-yer				116.7
CCMC10	2-year	44.25	87	20	87.0
	5-year				128.6
	10-year				153.5
	25-year				186.6
	50-year				211.3
	100-yer				244.1
CCMC11	2-year	39.58	90	20	86.6
	5-year				123.7
	10-year				145.9
	25-year				175.3
	50-year				197.3
	100-yer				226.5
CCMC12	2-year	58.27	85	18	111.4
	5-year				165.7
	10-year				198.6
	25-year				242.4
	50-year				275.4
	100-yer				319.4
E23L105	2-year	2.87	89	5	6.8
	5-year				9.7
	10-year				11.4
	25-year				13.6
	50-year				15.3
	100-yer				17.5
E23L106	2-year	2.08	89	3	5.0
	5-year				7.0
	10-year				8.2
	25-year				9.9
	50-year				11.1
	100-yer				12.7

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
E23L1A01	2-year	8.42	86	8	18.6
	5-year				27.1
	10-year				32.1
	25-year				38.9
	50-year				43.9
50014004	Tuo-yer	000.04	05		0.00
E23MC01	2-year	226.24	85	55	254.1
	5-year				300.3
	10-year				400.8
	25-year				574.7
	100 vor				764.6
E0004000	100-yei	000.00	0.5	10	704.0
E231VIC02	∠-year	229.22	85	46	291.6
	5-year				441.8
	25 year				533.2
	20-year				747.0
	100 year				747.0 960.0
E00M000	Tuo-yer	07.40	00	05	009.0 404.5
E23IVIC03	2-year	97.42	89	35	104.5
	5-year				239.5
	10-year				204.0
	25-year				344.4
	100 vor				309.2
E22MC04		147 45	0.0	47	440.0
E23101C04	2-year	147.45	00	47	207.4
	5-year				304.9
	25 year				441.0
	50-year				500.5
	100-year				578.3
E23MC05	2-vear	68 54	01	45	109.5
L23101003	2-year	00.34	91	43	109.5
	10 year				193.9
	25-year				220.4
	50-year				248.0
	100-ver				240.0
E4MC01	2-vear	26 38	82	10	49.3
Lincor	5-year	20.00	02	10	75.3
	10-vear				91.2
	25-vear				112.5
	50-vear				128.5
	100-ver				149.9
E7MC01	2-year	38.82	88	17	82.0
	5-year				119.2
	10-year				141.5
	25-year				171.2
	50-year				193.3
	100-yer				222.8

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

	-	Area	Curve	Time of	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
EPI 102	2-vear	340	81	4	6 Q
11 2102	5-vear	0.40	01		10.4
	10-vear				12.5
	25-year				15.3
	50-vear				17.5
	100-yer				20.3
FPL104	2-vear	6.43	90	10	15.9
	5-year				22.4
	10-year				26.2
	25-year				31.3
	50-year				35.1
	100-yer				40.2
FPL203	2-year	2.10	90	1	3.0
	5-year				4.2
	10-year				4.9
	25-year				5.9
	50-year				6.6
	100-yer				7.5
FPL206	2-year	42.96	91	36	77.1
	5-year				109.6
	10-year				129.0
	25-year				154.7
	50-year				173.9
	100-yer				199.5
FPL301	2-year	12.12	69	14	11.8
	5-year				21.6
	10-year				28.0
	25-year				36.9
	50-year				43.8
	100-yer				53.1
FPMC03	2-year	2.73	72	10	3.2
	5-year				5.6
	10-year				7.1
	25-year				9.1
	50-year				10.7
	100-yer				12.8
FPMC04	2-year	35.23	79	21	49.8
	5-year				80.0
	10-year				98.8
	25-year				124.3
	50-year				143.7
	100-yer				169.6
FPMC05	2-year	28.83	70	26	23.3
	5-year				43.0
	10-year				55.9
	25-year				73.8
	50-year				87.7
	100-yer				106.8

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			0	Time of	Max Flow
No. do Norro	Return	Area (acres)	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(00103)		(1111)	m*3/s)
IPL201	2-year	12.34	92	13	30.5
	10 year				42.5
	25 year				49.0 50.1
	50-year				66.1
	100-year				75.5
	2-vear	15 36	03	11	30.8
11 2202	5-vear	10.00	30		55.0
	10-vear				64 0
	25-year				75.9
	50-year				84.9
	100-ver				96.8
IPI 206	2-vear	1.61	92	3	4.2
	5-year	1.01	52	5	5.8
	10-vear				6.7
	25-vear				8.0
	50-vear				8.9
	100-yer				10.1
IPL2A01	2-year	14.36	93	12	37.0
	5-year				51.1
	10-year				59.5
	25-year				70.7
	50-year				79.0
	100-yer				90.0
IPL2A02	2-year	7.91	87	9	17.8
	5-year				25.7
	10-year				30.4
	25-year				36.6
	50-year				41.3
	100-yer				47.5
IPL2A05	2-year	10.88	88	7	24.8
	5-year				35.6
	10-year				42.0
	25-year				50.6
	50-year				56.9
	100-yer				65.4
IPL411	2-year	9.00	87	6	20.3
	5-year				29.1
	10-year				34.4
	25-year				41.5
	50-year				46.7
	100-yer				53.7
IPL502	2-year	10.81	93	19	25.8
	5-year				35.9
	10-year				41.9
	25-year				49.8
	50-year				55.7
	100-yer				63.6

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			0	Time of	Max Flow
Nede News	Return	Area (acres)	Curve Number	Conc. (min)	(ft^3/s,
	Period	27.06	07	()	m^3/s)
IPL601	2-year	37.96	87	18	75.8
	5-year				111.4
	25 year				152.0
	20-year				192.6
	100-year				210.9
	2 voor	6.51	80	10	15.3
IF LOUS	2-year	0.51	09	10	21.0
	10-year				21.9
	25-vear				23.0
	50-year				34.0
	100-year				40.1
	2 yoar	9.19	97	1.4	18.0
	5-vear	0.10		14	0.0 26 2
	10-vear				20.2
	25-vear				37.6
	50-year				42.5
	100-ver				49.0
IPI 6A03	2-vear	8.35	87	9	18.7
11 20,100	5-year	0.00	0.		27.1
	10-vear				32.1
	25-vear				38.7
	50-vear				43.7
	100-yer				50.3
IPMC07	2-vear	145.47	93	51	224.9
	5-year				317.2
	10-year				372.0
	25-year				444.7
	50-year				498.9
	100-yer				570.8
IPMC09	2-year	150.31	92	73	181.9
	5-year				257.9
	10-year				303.1
	25-year				363.1
	50-year				407.8
	100-yer				467.2
IPMC10	2-year	5.09	92	11	12.4
	5-year				17.3
	10-year				20.3
	25-year				24.2
	50-year				27.1
	100-yer				31.0
IPMC11	2-year	46.89	89	27	89.3
	5-year				129.5
	10-year				153.6
	25-year				185.7
	50-year				209.7
	100-yer				241.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Aroo	Curvo	Time of	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
IPMC13	2-vear	120.05	80	/10	166.6
	5-vear	120.05	03	+3	245.4
	10-vear				292.5
	25-year				355.2
	50-year				402.0
	100-yer				464.1
IPMC15	2-vear	56.17	93	39	104.2
	5-vear				145.2
	10-vear				169.6
	25-vear				202.0
	50-vear				226.2
	100-yer				258.3
IPMC19	2-vear	280.85	92	97	276.5
	5-year				392.8
	10-year				462.1
	25-year				553.9
	50-year				622.3
	100-yer				713.2
IPMC20	2-year	204.11	86	49	255.6
	5-year				384.7
	10-year				463.1
	25-year				568.1
	50-year				646.9
	100-yer				751.7
LWL101	2-year	143.51	86	36	218.1
	5-year				325.9
	10-year				391.1
	25-year				478.2
	50-year				543.5
	100-yer				630.3
LWMC02	2-year	139.51	81	65	121.8
	5-year				193.1
	10-year				237.3
	25-year				297.0
	50-year				342.1
	100-yer				402.5
LWMC04	2-year	84.70	74	53	57.0
	5-year				100.5
	10-year				128.5
	25-year				167.2
	50-year				197.2
	100-yer				237.7
LWMC06	2-year	48.04	88	22	95.9
	5-year				139.8
	10-year				166.2
	25-year				201.1
	50-year				227.3
	100-yer				262.0

able B.6
lydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
LWMC08	2-year	77.05	82	21	123.7
	5-year				192.5
	10-year				234.8
	25-year				291.7
	50-year				334.5
	100-yer				391.5
LWMC09	2-year	14.36	82	16	25.0
	5-year				38.5
	10-year				46.8
	25-year				58.0
	50-year				66.4
	100-yer				77.5
LWMC11	2-year	94.25	87	71	96.4
	5-year				143.7
	10-year				172.4
	25-year				210.9
	50-year				239.7
	100-yer				278.0
LWMC12	2-year	70.99	89	30	130.4
	5-year				188.7
	10-year				223.8
	25-year				270.3
	50-year				305.1
	100-yer				351.3
LWMC13	2-year	122.83	89	97	111.0
	5-year				161.1
	10-year				191.2
	25-year				231.3
	50-year				261.2
	100-yer				301.0
LWMC14	2-year	117.77	88	116	89.3
	5-year				131.5
	10-year				156.9
	25-year				190.9
	50-year				216.3
	100-yer				250.1
NCL201	2-year	25.06	88	19	50.7
	5-year				74.0
	10-year				88.0
	25-year				106.7
	50-year				120.7
	100-yer				139.3
NCL202	2-year	11.43	86	9	24.4
	5-year				35.7
	10-year				42.5
	25-year				51.6
	50-year				58.4
	100-yer				67.4

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		A	C	Time of	Max Flow
Nede Name	Return	Area (acres)	Curve Number	(min)	(ft^3/s, m^2/a)
NOL 401	Period	07.06	05	()	107.4
NCL401	2-year	97.20	60	39	137.1
	5-year				207.3
	10-year				200.2
	20-year				307.5
	100-year				407.6
	D voor	17.00	01	10	407.0
NCL4A01	2-year	17.99	91	10	41.0 57.0
	10 year				69.1
	25 year				91.5
	20-year				01.5
	100-year				104.9
NCL4D01		10.21	00	1.4	104.3
NGL4BUT	∠-year	10.31	90	14	24.4
	10-year				ى4.8 11 0
	25-year				41.0
	50-year				-+5.2 55.3
	100-ver				63.5
	2 voor	6.46	00	5	15.6
NCL4D01	2-year	0.40	90	5	22.0
	10-year				22.0
	25-year				30.0
	50-year				34.6
	100-year				39.6
NCI 500	2-vear	103 54	87	47	140.5
INCES00	5-vear	103.04	07	47	208.6
	10-year				200.0
	25-year				304.7
	50-year				345.8
	100-ver				400.5
NCI 502	2-vear	137 35	74	24	143.9
1102002	5-year	101.00		2.	247.5
	10-vear				314.5
	25-year				406.6
	50-vear				477.2
	100-yer				572.5
NCL503	2-vear	121.20	72	32	97.2
	5-year				175.6
	10-year				226.9
	25-year				298.0
	50-year				352.9
	100-yer				427.3
NCMC02	2-year	154.02	84	100	111.8
	5-year				171.3
	10-year				207.8
	25-year				256.8
	50-year				293.7
	100-yer				342.9

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
Nodo Nomo	Return	Area (acres)	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s,
NOUE Name	Period	100.40	07	()	120.2
NCIVIC04	2-year	100.40	07	90	139.3
	10 year				207.3
	25 year				240.0
	50-year				344.9
	100-year				399.8
NCMC05	2-vear	33 53	87	31	56.0
NCINCOS	5-vear		07		82.0
	10-vear				99.2
	25-vear				121.0
	50-vear				121.0
	100-ver				159.0
NCMC06	2-vear	181.83	86	76	172.2
NCINCOO	2-year	101.05	00	10	258.5
	10-year				200.0
	25-year				381.6
	50-year				434.5
	100-ver				505.0
NCMC08	2-vear	161 30	86	67	163.8
	5-vear	101.00	00	07	247.0
	10-vear				297.6
	25-year				365.5
	50-year				416.4
	100-ver				484.3
NCMC09	2-vear	84.85	87	41	123.6
	5-vear				183.6
	10-vear				219.9
	25-vear				268.2
	50-year				304.4
	100-yer				352.5
NCMC11	2-year	159.57	83	46	186.9
	5-year				290.5
	10-year				354.2
	25-year				439.7
	50-year				504.2
	100-yer				590.2
NCMC12	2-year	146.11	89	37	239.0
	5-year				348.1
	10-year				413.6
	25-year				500.8
	50-year				565.9
	100-yer				652.5
NCMC14	2-year	133.69	82	84	99.8
	5-year				157.0
	10-year				192.4
	25-year				240.1
	50-year				276.2
	100-yer				324.6

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)		(1111)	m^3/s)
POL102	2-year	11.22	87	13	24.1
	5-year				35.0
	10-year				41.6
	25-year				50.3
	50-year				56.8
DOI 405	Tuo-yer	5.00	07		C.CO
POL105	2-year	5.22	87	11	11.4
	5-year				10.0
	10-year				19.7
	25-year				23.8
	100 vor				20.9
DOI 110	100-yei	4.00	07	10	31.0
POL110	2-year	4.82	87	16	10.0
	5-year				14.7
	25 year				17.5
	20-year				21.2
	100 year				24.0
DOI 201	Ducor		02	15	21.1
POL301	Z-year	25.54	92	10	02.7
	5-year				102.4
	25 year				102.4
	50 year				122.1
	100-year				150.0
POI 306	2-vear	10.01	80	9	23.0
1 01300	2-year	10.01	03	3	20.9
	10-year				39.8
	25-vear				47 7
	50-vear				53.5
	100-ver				61.3
POI 405	2-vear	14 34	80	12	33.0
1 02400	5-year	14.04		12	47.2
	10-vear				55.6
	25-year				66.9
	50-vear				75.3
	100-ver				86.4
POL502	2-vear	20.96	87	14	45.9
	5-vear				66.9
	10-year				79.6
	25-year				96.3
	, 50-year				108.9
	100-yer				125.6
POMC01	2-year	88.38	86	34	136.1
	5-year				204.2
	10-year				245.5
	25-year				300.6
	50-year				342.1
	100-yer				397.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
POMC02	2-year	34.51	91	19	/8.1
	5-year				110.4
	10-year				129.7
	25-year				155.2
	50-year				174.3
DOMOSO	Tuo-yer	50.00	07		199.6
POIVIC03	∠-year	58.08	87	29	102.2
	5-year				150.0
	10-year				179.8
	25-year				218.0
	100 vor				247.0
DOMONA	100-yei	00.40	00	45	200.2
POMC11	2-year	30.13	86	15	60.3
	5-year				88.7
	10-year				105.6
	20-year				145.6
	100 vor				145.0
DOMC19	Ducor	41.00	90	47	01.0
POIVICTO	Z-year	41.90	09	17	91.9
	5-year				152.1
	25 year				197.0
	50 year				211 7
	100-year				211.7
PRI 101	2-vear	3 16	85	6	6.7
TILLIOT	2-year	5.10		0	0.7
	10-year				11.8
	25-vear				14.4
	50-vear				16.3
	100-ver				18.8
PRI 107	2-vear	5.00	89	10	11 7
TREIO	5-vear	0.00	00	10	16.7
	10-vear				19.7
	25-year				23.6
	50-vear				26.5
	100-ver				30.4
PRL202	2-vear	19.15	87	12	42.1
	5-year				61.0
	10-vear				72.4
	25-year				87.5
	50-year				98.7
	100-yer				113.7
PRL204	2-year	9.07	86	8	19.8
	5-year				29.0
	10-year				34.4
	25-year				41.7
	50-year				47.1
	100-yer				54.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
PRL208	2-year	7.80	84	7	15.8
	5-year				23.5
	10-year				28.2
	25-year				34.4
	50-year				39.0
	100-yer	17.17		10	45.2
PRL212	2-year	17.47	84	10	34.2
	5-year				51.2
	10-year				61.5
	25-year				/5.2
	50-year				85.5
	100-yer				99.1
PRL215	2-year	5.24	84	7	10.6
	5-year				15.7
	10-year				18.8
	25-year				23.0
	50-year				26.1
	100-yer	0.4.00	0.5	10	30.2
PRL218	2-year	24.69	85	12	50.6
	5-year				74.9
	10-year				89.0
	25-year				109.2
	100 vor				1/2.9
	2 voor	9 50	96	10	140.4
FREZAUT	2-year	0.09	00	13	26.4
	10 year				20.4
	25 year				31.3
	50-year				/3.3
	100-year				40.0
PRI 302	2-vear	10.27	88	9	-10.0 23.7
T RESUZ	5-year	10.27	00	3	33.0
	10-year				40.0
	25-vear				40.0
	50-vear				54.2
	100-ver				62.2
PRI 305	2-vear	24 15	88	15	51.2
	5-year	27.13		10	74.2
	10-vear				88 O
	25-vear				106.4
	50-vear				120.1
	100-ver				138.3
PRL307	2-year	2.23	88	6	5.2
	5-year				7.3
	10-year				8.6
	25-year				10.4
	50-year				11.7
	100-yer				13.4

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			•	Time of	Max Flow
	Return	Area (acres)	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(40103)	Number	(1111)	m^3/s)
PRL401	2-year	2.22	90	9	5.3
	5-year				7.5
	10-year				8.8
	25-year				10.6
	50-year				11.9
	100-yer				13.6
PRMC05	2-year	5.31	79	9	9.1
	5-year				14.1
	10-year				17.3
	25-year				21.5
	50-year				24.7
	100-yer				28.9
PRMC07	2-year	9.87	91	13	23.5
	5-year				33.1
	10-year				38.8
	25-year				46.3
	50-year				52.0
	100-yer				59.5
PRMC09	2-year	8.21	94	9	21.8
	5-year				29.7
	10-year				34.5
	25-year				40.7
	50-year				45.4
	100-yer				51.7
PRMC15	2-year	13.20	90	7	32.6
	5-year				46.1
	10-year				54.1
	25-year				64.7
	50-year				72.7
	100-yer				83.2
PRMC16	2-year	18.58	86	21	33.8
	5-year				50.7
	10-year				61.0
	25-year				74.7
	50-year				84.9
	100-yer				98.6
PRMC19	2-year	17.02	93	9	44.1
	5-year				60.8
	10-year				70.7
	25-year				83.8
	50-year				93.6
	100-yer				106.7
PRMC21	2-year	9.00	90	7	22.2
	5-year				31.2
	10-year				36.6
	25-year				43.8
	50-year				49.1
	100-yer				56.2

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			•	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(mm)	m^3/s)
RCL0102	2-year	7.94	87	7	17.9
	5-year				25.8
	10-year				30.5
	25-year				36.8
	50-year				41.5
	100-yer				47.7
RCL0103	2-year	10.69	87	9	23.5
	5-year				34.2
	10-year				40.6
	25-year				49.1
	50-year				55.5
	100-yer				63.9
RCL0105	2-year	22.29	86	12	47.1
	5-year				69.0
	10-year				82.2
	25-year				99.9
	50-year				113.0
	100-yer				130.5
RCL0113	2-year	11.26	92	6	28.3
	5-year				39.3
	10-year				45.8
	25-year				54.5
	50-year				61.0
	100-yer				69.6
RCL01A02	2-year	10.46	84	7	21.4
	5-year				31.7
	10-year				37.9
	25-year				46.1
	50-year				52.3
	100-yer				60.5
RCL01A06	2-year	11.77	85	11	24.5
	5-year				36.2
	10-year				43.1
	25-year				52.4
	50-year				59.4
	100-yer				68.6
RCL01A08	2-year	4.54	86	3	10.2
	5-year				14.7
	10-year				17.4
	25-year				21.1
	50-year				23.7
	100-yer				27.3
RCL01A11	2-year	17.30	87	7	38.8
	5-year				56.0
	10-year				66.3
	25-year				80.0
	50-year				90.2
	100-yer				103.8

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			-	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
RCL01A12	2-year	6.08	87	6	13.8
	5-year				19.9
	10-year				23.6
	25-year				28.5
	50-year				32.1
	100-yer	10.00			37.0
RCL01B01	2-year	12.03	89	6	28.8
	5-year				40.8
	10-year				48.0
	25-year				57.5
	50-year				64.6
	100-yer				74.0
RCL0201	2-year	9.57	81	5	16.4
	5-year				25.8
	10-year				31.5
	25-year				39.1
	50-year				44.7
	100-yer				52.2
RCL0203	2-year	4.69	84	6	9.5
	5-year				14.2
	10-year				17.0
	25-year				20.7
	50-year				23.5
	100-yer				27.3
RCL0206	2-year	11.40	79	6	20.4
	5-year				31.6
	10-year				38.4
	25-year				47.5
	50-year				54.4
	100-yer				63.5
RCL0211	2-year	14.23	86	10	30.6
	5-year				44.5
	10-year				52.9
	∠o-year				b4.1
	50-year				/2.4
	Durser	F 07	00		×3.4
RULUZAU2	∠-year	5.87	90	4	14.7
	5-year				20.9
	25 year				24.0
	∠o-year				29.4
	100-year				ىدى 27 ي
	2-voor	1 02	06	0	0. i C م ا
NOLUZDUZ	5-vear	1.93	00	2	4.3 6.2
	10-vear				7 /
	25-vear				0 ∩
	50-vear				10.1
	100-ver				11.7
8					

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)		(1111)	m^3/s)
RCL02D03	2-year	5.09	91	8	12.3
	5-year				17.2
	10-year				20.1
	25-year				24.0
	50-year				26.8
	100-yer	4.00			30.7
RCL0300	2-year	1.92	81	4	3.5
	5-year				5.5
	10-year				6.7
	25-year				8.4
	50-year				9.6
	100-yer				11.2
RCL0303	2-year	5.31	75	3	8.2
	5-year				13.2
	10-year				16.3
	25-year				20.5
	50-year				23.7
	100-yer				27.9
RCL0305	2-year	21.30	90	13	50.8
	5-year				71.9
	10-year				84.5
	25-year				101.2
	50-year				113.6
	100-yer				130.2
RCL0402	2-year	12.65	82	8	23.6
	5-year				35.7
	10-year				43.1
	25-year				53.0
	50-year				60.3
	100-yer			47	70.2
RCL0403	2-year	38.60	90	1/	85.8
	5-year				122.5
	10-year				144.5
	∠o-year				1/3.6
	50-year				195.4
	Durser	0.00	05		224.3
KUL0408	∠-year	6.39	85	6	13.8
	5-year				20.1
	25 veer				23.9
	25-year				29.0
	100-year				32.8 27 0
RCI 0501	2-voor	10.62	QE	11	21.0
NOL0301	5-vear	10.02	Co	11	∠1.0 22 ∩
	10-vear				 ຊຊ ງ
	25-vear				
	50-vear				52 7
	100-ver				61.0
					\$1.0

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

	Poturn	Area	Curve	Time of Conc.	Max Flow
Node Name	Period	(acres)	Number	(min)	(n° 3/3, m^3/s)
RCL0502	2-year	11.79	86	12	24.6
	5-year				36.2
	10-year				43.2
	25-year				52.5
	50-year				59.5
	100-yer				68.8
RCL0504	2-year	3.33	88	6	7.6
	5-year				10.9
	10-year				12.8
	25-year				15.4
	50-year				17.4
	100-yer				20.0
RCL0505	2-year	27.29	90	17	61.4
	5-year				87.5
	10-year				103.0
	25-year				123.7
	50-year				139.1
	100-yer				159.5
RCL05A02	2-year	10.16	87	9	22.5
	5-year				32.7
	10-year				38.7
	25-year				46.8
	50-year				52.8
	100-yer				60.8
RCL0603	2-year	6.42	87	5	14.6
	5-year				21.0
	10-year				24.8
	25-year				29.9
	50-year				33.7
	100-yer				38.7
RCL0702	2-year	11.40	91	7	28.0
	5-year				39.2
	10-year				45.9
	25-year				54.8
	50-year				61.4
	100-yer	4.55			70.2
RCL0704	2-year	4.55	92	6	11.7
	5-year				16.2
	25 vicer				18.9
	25-year				22.5
	100-year				20.1 28 6
RCI 0707	2-voor	5.06	04	10	12 5
ROLU/U/	2-year	5.06	94	10	13.5
	10-vear				0.0 21 5
	25-vear				21.5 25 4
	50-vear				20.4
	100-ver				32.3
	,=:				-=.•

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
RCL0800	2-year	49.51	85	19	93.0
	5-year				139.1
	10-year				166.9
	25-year				204.1
	50-year				232.0
	100-yer	10.05			269.1
RCL0802	2-year	19.85	91	10	48.5
	5-year				68.2
	10-year				79.9
	25-year				95.4
	50-year				107.0
	100-yer				122.3
RCL0805	2-year	4.47	94	7	11.9
	5-year				16.3
	10-year				18.8
	25-year				22.3
	50-year				24.8
	100-yer				28.2
RCL0806	2-year	4.62	95	5	12.2
	5-year				16.5
	10-year				19.1
	25-year				22.6
	50-year				25.1
	100-yer				28.6
RCL0808	2-year	3.02	95	5	8.4
	5-year				11.3
	10-year				13.1
	25-year				15.5
	50-year				17.2
	100-yer				19.6
RCL0812	2-year	4.82	94	13	12.7
	5-year				17.4
	10-year				20.2
	25-year				23.9
	50-year				26.6
	100-yer				30.3
RCL0815	2-year	71.07	93	69	90.5
	5-year				127.6
	10-year				149.6
	25-year				178.8
	50-year				200.6
	100-yer				229.5
RCL0818	2-year	0.88	95	2	2.3
	5-year				3.2
	10-year				3.7
	25-year				4.3
	50-year				4.8
	100-yer				5.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
RCL08A01	2-year	50.25	90	32	90.5
	5-year				130.8
	10-year				154.9
	25-year				187.0
	50-year				211.0
	100-yei	40.44	02	40	242.0
RCL08A05	2-year	13.44	93	12	34.5
	5-year				47.0
	10-year				55.3
	25-year				72.4
	50-year				/ 3.4
	Tuo-yer	0.00	01	0	03.7
KCLU8A09	2-year	9.29	91	9	22.7
	5-year				31.8
	10-year				31.2
	∠o-year				44.4
	50-year				49.8
	100-yei	4.40	05		57.0
RCL08B03	2-year	1.42	95	4	3.8
	5-year				5.1
	10-year				5.9
	25-year				7.0
	50-year				7.8
	100-yei	10.00			0.0
RCL08C04	2-year	13.38	94	22	31.8
	5-year				43.8
	10-year				50.9
	25-year				60.4
	50-year				07.4
	Tuo-yer	1.01	04		70.0
RCL08D01	2-year	1.01	94	5	2.6
	5-year				3.6
	10-year				4.1
	25-year				4.9
	100 year				0.5
	2 voor	04.44	0.4	20	10.2
	∠-year	21.11	94	32	43.3
	10 year				70.0
	25 year				10.2
	50 year				03.4
	100-year				93.3 106 5
RCI 1001	2-voor	136.96	06	ΛE	100.5
NOLIUUT	2-year 5-year	130.00		40	276 1
	10-year				270.1
	25-vear				<u> </u>
	50-vear				460.7
	100-ver				534 3
	100 yor				007.0

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
	_	Aroa	Curvo	Time of	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
RCI 1101	2-vear	106.44	81	24	156.8
ROETTOT	5-vear	100.44	01	Z	246.8
	10-year				302.3
	25-year				377.0
	50-year				433.3
	100-ver				508.5
RCI 1201	2-vear	179 78	86	134	114 7
	5-year			101	172 1
	10-vear				206.9
	25-year				253.6
	50-year				288.6
	100-ver				335.2
RCI 1202	2-vear	267 48	88	377	84.0
	5-year	207.40		511	123 7
	10-vear				147 7
	25-vear				179.8
	50-year				203.9
	100-ver				236.0
RCI 1203	2-vear	216.68	92	69	272.0
	5-vear				384.6
	10-vear				451.7
	25-vear				540.7
	50-vear				607.2
	100-ver				695.4
RCL1300	2-vear	224.49	84	85	178.8
	5-vear				275.8
	10-vear				335.2
	25-vear				415.1
	50-year				475.3
	100-yer				555.7
RCL1301	2-vear	164.04	79	40	169.0
	5-year				276.0
	10-year				343.0
	25-year				434.0
	50-year				503.7
	100-yer				597.6
RCL1302	2-year	82.58	76	22	99.0
	5-year				165.3
	10-year				207.1
	25-year				264.0
	50-year				307.3
	100-yer				365.8
RCL1303	2-year	197.67	74	22	213.0
	5-year				367.9
	10-year				467.1
	25-year				603.7
	50-year				708.2
	100-yer				849.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			0	Time of	Max Flow
Nede News	Return	Area (acres)	Curve	Conc. (min)	(ft^3/s,
	Period	(00103)	77	()	m^3/s)
RCL13A01	2-year	158.22	//	28	181.5
	5-year				300.9
	10-year				375.9
	Zo-year				479.3
	100-year				664.1
BCI 1400	2 voor	217 70	96	105	166.0
RCL1400	2-year	217.70	00	105	240.1
	10-year				249.1
	25 year				299.0
	20-year				307.2
	100-year				417.9
DCI 1401		64.90	07	20	400.4
RGL1401	∠-year	04.60	67	38	147.0
	10-year				147.9
	25-vear				215.1
	50-year				213.1
	100-ver				243.0
PCI 1402	2 voor	194.22	Q1	22	201.3
KCL1402	2-year	104.23	01	23	422.7
	10-year				530.1
	25-year				661.5
	50-year				761.0
	100-year				894.4
RCI 1501	2-vear	145.26	90	/3	234.6
ROEISOT	5-year	140.20			335.8
	10-vear				396.3
	25-year				476.7
	50-year				536.9
	100-ver				616.9
RCI 1601	2-vear	229.49	87	85	212.0
	5-year				314.2
	10-vear				376.0
	25-vear				458.5
	50-vear				520.3
	100-yer				602.5
RCL1602	2-vear	177.96	89	75	190.4
	5-year				277.7
	10-year				330.2
	25-year				400.2
	50-year				452.5
	100-yer				522.0
RCL1603	2-year	148.78	88	59	180.9
	5-year				265.2
	10-year				316.0
	25-year				383.8
	50-year				434.6
	100-yer				502.1

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
		A.r.o.o.	Currie	Time of	Max Flow
Nede Name	Return	Area (acres)	Curve Number	(min)	(ft^3/s, m^2/a)
	Period	147.04		() 57	194 C
RCL1604	Z-year	147.24	00	57	270.0
	10 year				270.9
	25 year				323.0
	20-year				392.0
	100-year				513.8
		100.00	96	70	100.0
RCLIBAUU	Z-year	190.90	00	12	190.0
	10 year				204.3
	25 year				410.4
	20-year				419.4
	100-year				554.5
	2 voor	110.46	07	40	172.0
RUL IDAUT	∠-year	119.40	٥/	42	1/3.2
	10-year				200.9
	25-vear				307.3
	50 year				425.5
	100-year				423.3
PCI 1701	2 voor	192.24	95	97	432.7
RCLITOT	2-year	102.24	00	07	222.4
	10-year				232.4
	25-year				345.2
	50-year				303.8
	100-year				458.4
RCI 1702	2-vear	185.82	87	108	1/3 0
ROEITOZ	5-year	100.02	07	100	212 7
	10-vear				255.0
	25-year				311.5
	50-year				353.9
	100-ver				410.3
RCI 1703	2-vear	117 47	81	26	169.1
ROEITOS	5-vear	117.47	01	20	265.6
	10-vear				325.3
	25-vear				405.8
	50-vear				466.4
	100-ver				547.5
RCL1801	2-vear	166.20	86	62	185.0
	5-year	23.20			276.5
	10-vear				331.9
	25-year				405.9
	50-year				461.4
	, 100-yer				535.2
RCL1901	2-year	182.58	85	30	292.4
	5-year				438.9
	10-year				527.9
	25-year				647.2
	50-year				736.7
	100-yer				855.7

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
RCL2001	2-year	165.43	85	34	246.7
	5-year				3/3./
	10-year				450.9
	25-year				554.1
	50-year				531.6
	Tuo-yer	101.10	0.4		734.7
RCL2002	2-year	184.16	84	41	240.9
	5-year				300.3
	10-year				446.9
	25-year				552.4
	50-year				031.0
DOI 004	100-yei	454.04	04		131.3
RCL901	2-year	151.21	91	44	241.5
	5-year				344.4
	25 year				405.8
	25-year				487.5
	50-year				546.0
DOMODA	Tuo-yer	400.00	00	04	629.6
RCIVICUT	Z-year	106.30	03	31	159.4
	5-year				245.0
	25 year				297.3
	50 year				420.5
	100-year				420.3
RCMC02	2-vear	8 53	70	11	8.6
ICONCO2	2-year	0.00	10		15.8
	10-year				20.4
	25-vear				20.4
	50-vear				31.7
	100-ver				38.3
RCMC03	2-vear	35 29	77	21	46.7
	5-year	00.20		21	76.4
	10-vear				95.0
	25-year				120.4
	50-vear				139.7
	100-ver				165.5
RCMC06	2-vear	30.76	82	10	55.7
	5-year				86.1
	10-vear				104.6
	25-year				129.2
	, 50-year				147.7
	100-yer				172.2
RCMC07	2-year	5.44	79	5	9.6
	5-year				15.0
	10-year				18.2
	25-year				22.6
	50-year				25.9
	100-yer				30.3
Table B.6					
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Hydrologic Modeling - Runoff Results for Future Conditions					

	Detum	Area	Curve	Time of Conc.	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
RCMC08	2-vear	81.31	82	59	73.9
	5-year				119.0
	10-year				146.7
	25-vear				184.0
	50-year				212.1
	100-yer				249.6
RCMC09	2-vear	4.66	77	4	7.5
	5-vear				11.9
	10-year				14.7
	25-year				18.4
	50-vear				21.2
	100-yer				24.9
RCMC14	2-vear	11.58	86	6	24.2
	5-year	11.00			35.9
	10-vear				42.9
	25-year				52.1
	50-year				59.0
	100-ver				68.1
RCMC17	2-vear	76.55	85	27	129.0
	5-year	10.00		2.	193.8
	10-vear				233.0
	25-year				285.4
	50-year				324.7
	100-ver				376.9
RCMC19	2-vear	100.58	88	32	167.5
	5-vear				248.7
	10-vear				297.4
	25-vear				362.4
	50-year				410.9
	100-yer				475.2
RCMC23	2-vear	133.93	90	37	231.3
	5-vear				332.1
	10-vear				392.3
	25-year				472.3
	50-year				532.0
	100-yer				611.2
RCMC25	2-vear	17.33	85	10	31.8
	5-year				49.8
	10-year				60.5
	25-year				74.6
	50-year				85.0
	100-yer				98.9
RCMC27	2-year	44.01	93	34	84.6
	5-year				118.9
	10-year				139.3
	25-year				166.4
	50-year				186.7
	100-yer				213.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		٨٠٥٩	Currie	Time of	Max Flow
Nodo Namo	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
RCMC31	2-vear	、 , 232 73	91	70	255.7
Romoor	5-year	202.70	01	10	366.1
	10-vear				432.2
	25-year				519.9
	50-vear				585.5
	100-yer				672.6
RCMC32	2-vear	115.23	86	30	188.4
	5-vear				282.2
	10-year				339.0
	25-year				414.8
	50-year				471.6
	100-yer				546.9
RCMC34	2-vear	223.79	87	63	246.3
	5-year				369.0
	10-year				443.3
	25-year				542.5
	50-year				616.8
	100-yer				715.6
RCMC36	2-year	158.63	90	62	199.6
	5-year				287.7
	10-year				340.6
	25-year				410.7
	50-year				463.1
	100-yer				532.6
RCMC37	2-year	259.98	83	63	251.1
	5-year				388.7
	10-year				473.0
	25-year				586.6
	50-year				672.2
	100-yer				786.3
RCMC38	2-year	197.35	84	88	156.6
	5-year				240.4
	10-year				291.6
	25-year				360.5
	50-year				412.2
	100-yer				481.2
RCMC39	2-year	228.58	84	76	201.5
	5-year				308.7
	10-year				374.4
	25-year				462.8
	50-year				529.5
	100-yer				618.3
RCMC40	2-year	76.97	87	29	133.3
	5-year				197.9
	10-year				237.0
	25-year				289.1
	50-year				328.2
	100-yer				380.1

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
		A	C	Time of	Max Flow
Nede News	Return	Area (acres)	Curve Number	Conc. (min)	(ft^3/s,
	Period	126.06	70	()	m^3/s)
RCINC41	2-year	136.06	78	110	114.0
	5-year				114.9
	10-year				143.3
	20-year				212.5
	100-ver				212.3
BCMC44	2 voor	100 70	95	40	160.9
KCIVIC44	2-year	120.70	60	49	242.0
	10-year				243.0
	25-year				293.0
	50-year				410.0
	100-year				476.8
PCMC45	2 yoar	19/ 92	95	62	105.0
1.0101040	5-vear	104.02	CO	02	190.9 207 2
	10-vear				291.3
	25-vear				<u> </u>
	50-year				503.7
	100-ver				586.3
RCMC46	2-vear	168 94	85	150	95.1
	5-year	100.01		100	144.5
	10-vear				174.6
	25-vear				214.9
	50-vear				245.3
	100-yer				285.7
RCMC47	2-vear	117.80	85	76	106.4
	5-year				162.1
	10-year				196.1
	25-year				241.8
	50-year				276.3
	100-yer				322.2
RCMC48	2-year	211.92	86	60	235.1
	5-year				353.4
	10-year				425.3
	25-year				521.4
	50-year				593.7
	100-yer				690.0
RCMC49	2-year	188.98	82	68	160.6
	5-year				253.6
	10-year				311.1
	25-year				388.8
	50-year				447.6
	100-yer				526.4
RCMC50	2-year	155.77	83	66	144.6
	5-year				224.8
	10-year				274.1
	25-year				340.5
	50-year				390.5
	100-yer				457.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Area	Curvo	Time of	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
RCMC51	2-vear	125 43	85	61	131.3
	5-year	120.40	00	01	200.1
	10-vear				242.1
	25-year				298.3
	50-year				340.6
	100-yer				397.0
RCMC52	2-vear	207.23	85	64	208.7
	5-vear				319.0
	10-vear				386.3
	25-vear				476.6
	50-vear				544.4
	100-yer				634.8
RCMC53	2-vear	124.22	82	51	129.7
	5-year			51	204.1
	10-year				250.1
	25-year				312.1
	50-year				358.9
	100-yer				421.4
RCMC54	2-year	152.98	83	37	200.9
	5-year				311.5
	10-year				379.7
	25-year				471.3
	50-year				540.3
	100-yer				632.3
RCMC55	2-year	202.39	80	53	188.6
	5-year				303.6
	10-year				375.4
	25-year				472.7
	50-year				546.3
	100-yer				645.0
RCMC56	2-year	204.43	81	42	225.4
	5-year				359.3
	10-year				442.3
	25-year				554.9
	50-year				640.5
	100-yer				755.0
RCMC57	2-year	157.92	82	65	142.5
	5-year				223.7
	10-year				273.7
	25-year				341.1
	50-year				392.0
	100-yer				460.1
RCMC58	2-year	179.47	87	44	254.2
	5-year				377.0
	10-year				451.2
	25-year				550.0
	50-year				624.1
	100-yer				722.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area (acres)	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(00100)		(1111)	m*3/s)
SCL103	2-year	4.95	86	9	10.8
	5-year				15.7
	10-year				18.7
	20-year				22.0
	100-year				20.0
SCI 116	2 voor	16.94	90	10	20.0
SCLIIG	Z-year	10.04	69	12	JO.0
	10 year				55.2
	10-year				79.0
	20-year				70.2
	100 vor				101.1
0014404	100-yei	45.00	00	4.4	101.1
SCLIA04	2-year	15.80	80	11	34.1
	5-year				49.7
	10-year				
	20-year				/ 1.0
	50-year				<u> </u>
001.004	Too-yer	F 07	00	0	93.3
30L201	Z-year	5.67	90	0	14.1
	10 year				19.9
	25 year				23.3
	20-year				21.9
	100-year				35.8
SCI 201		6.06	07	10	10.0
301301	2-year	0.20	07	10	10.0
	10 year				19.0
	25 year				23.0
	50-year				20.3
	100-year				37.1
SCMC01	2-vear	65 14	85	32	99.0
301001	2-year	00.14		52	
	10-vear				181.0
	25-year				222.6
	50-year				254.0
	100-ver				295.7
SCMC03	2-year	2 67	Q1	А	6.7
00000	5-vear	2.07	51		0.7 Q.4
	10-vear				11 0
	25-vear				13.1
	50-vear				14.7
	100-ver				16.7
SCMC05	2-year	4.61	92	9	11.8
	5-vear				16.4
	10-year				19.1
	25-year				22.7
	, 50-year				25.4
	100-yer				29.0

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
SCMC08	2-year	9.73	88	9	22.3
	5-year				32.1
	10-year				37.9
	25-year				45.7
	50-year				51.5
0014040	Tuo-yer	0.40	07		04.0
SCMC13	2-year	9.48	87	9	21.0
	5-year				30.4
	10-year				36.0
	25-year				43.5
	50-year				49.1
	100-yer				56.5
SCMC20	2-year	11.53	88	10	26.2
	5-year				37.6
	10-year				44.5
	25-year				53.5
	50-year				60.3
	100-yer				69.3
SRL0101	2-year	1.38	88	4	3.3
	5-year				4.7
	10-year				5.6
	25-year				6.7
	50-year				7.5
	100-yer				8.6
SRL0103	2-year	2.83	88	11	6.4
	5-year				9.1
	10-year				10.8
	25-year				13.0
	50-year				14.7
	100-yer				16.9
SRL0105	2-year	25.09	91	64	32.4
	5-year				46.1
	10-year				54.2
	25-year				65.1
	50-year				73.2
	100-yer				83.9
SRL0108	2-year	10.63	86	12	22.5
	5-year				33.0
	10-year				39.3
	25-year				47.8
	50-year				54.0
	100-yer				62.4
SRL0112	2-year	8.47	90	9	20.4
	5-year				28.9
	10-year				34.0
	25-year				40.7
	50-year				45.7
	100-yer				52.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(mm)	m^3/s)
SRL0116	2-year	8.14	93	10	21.5
	5-year				29.5
	10-year				34.3
	25-year				40.7
	50-year				45.4
	100-yer				51.7
SRL0121	2-year	10.27	94	17	25.8
	5-year				35.4
	10-year				41.1
	25-year				48.6
	50-year				54.3
	100-yer				61.8
SRL01401	2-year	2.06	87	5	4.6
	5-year				6.6
	10-year				7.9
	25-year				9.5
	50-year				10.7
	100-yer				12.3
SRL01403	2-year	4.85	87	9	10.7
	5-year				15.5
	10-year				18.3
	25-year				22.2
	50-year				25.0
	100-yer				28.8
SRL01503	2-year	22.84	87	20	45.3
	5-year				66.4
	10-year				79.0
	25-year				95.9
	50-year				108.5
	100-yer				125.2
SRL0201	2-year	4.76	86	6	10.5
	5-year				15.2
	10-year				18.1
	25-year				21.8
	50-year				24.7
	100-yer				28.4
SRL0204	2-year	17.93	90	26	35.6
	5-year				51.2
	10-year				60.4
	25-year				72.8
	50-year				82.0
	100-yer				94.2
SRL0304	2-year	9.41	92	7	24.2
	5-year				33.6
	10-year				39.1
	25-year				46.5
	50-year				52.1
	100-yer				59.4

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			0	Time of	Max Flow
Nede News	Return	Area (acres)	Curve Number	Conc. (min)	(ft^3/s,
	Period	(uoroc)		()	m^3/s)
SRL0307	2-year	21.15	95	14	55.0
	5-year				/ 0.0
	10-year				102.0
	50-year				115.9
	100-year				131.8
SPI 0402	2 voor	21.02	80	11	25.1
3KL0402	5-year	21.02	00		54.0
	10-vear				67.1
	25-vear				83.4
	50-year				95.8
	100-ver				112.3
SPI 0403	2 voor	12 12	92	11	25.1
SKL0403	2-year	13.13	03	11	20.1
	10 year				37.0
	25-vear				40.0
	50 year				63.5
	100-year				73.8
SPI 0404	2 voor	10.24	00	7	73.0
SKL0404	Z-year	10.24	00	/	23.7
	10 year				33.0
	25 year				39.9
	20-year				47.9
	100-year				61.8
SPI 0406	2 voor	16.20	07	7	25.7
SKL0400	Z-year	10.39	07	1	51.0
	10 year				61.4
	25-year				74.2
	50-vear				83.7
	100-year				96.4
SRI 0408	2-vear	20 17	90	13	68.6
UILEO400	5-year	20.17		10	96.9
	10-vear				113.9
	25-vear				136 3
	50-vear				153.0
	100-ver				175.3
SRI 0601	2-year	3 04	86	3	6 7
01120001	5-year	0.04	50	5	9.6
	10-vear				11.3
	25-vear				13.6
	50-vear				15.4
	100-ver				17.7
SRL0602	2-vear	8.34	89	13	18.8
	5-vear	5.01			27.0
	10-vear				31.9
	25-vear				38.4
	50-year				43.2
	100-yer				49.6

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			•	Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(mm)	m^3/s)
SRL0607	2-year	12.48	91	10	30.1
	5-year				42.3
	10-year				49.5
	25-year				59.1
	50-year				66.3
051 050 /	100-yer				/5.9
SRL0701	2-year	3.45	91	6	8.5
	5-year				11.9
	10-year				13.9
	25-year				16.6
	50-year				18.6
	100-yer				21.2
SRL0705	2-year	2.52	90	7	6.1
	5-year				8.6
	10-year				10.1
	25-year				12.1
	50-year				13.5
001 0707	100-yer	10.01			15.5
SRL0707	2-year	16.34	89	24	32.4
	5-year				47.0
	10-year				55.8
	25-year				67.4
	50-year				/0.1
	100-yei	0.57	00	4	07.7
SRL0801	2-year	2.57	90	4	0.3
	5-year				0.9
	25 year				10.4
	20-year				12.0
	100-ver				14.0
SBI 0902	2 voor	17.60	00	10	20.2
SKLUOUS	2-year	17.00	00	12	56.7
	10-year				50.7 67.1
	25-vear				81.0
	50-vear				01.0
	100-ver				105.1
SRI 0804	2-vear	10.49	87	13	22.7
01120004	5-vear	10.49	07	13	32 0
	10-vear				30 1
	25-vear				47.3
	50-vear				53.4
	100-ver				61.5
SRL0904	2-year	1.06	94	2	27
2.120001	5-vear		0.4	2	3.7
	10-vear				4.3
	25-vear				5.1
	50-vear				5.7
	100-yer				6.4

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

No de Norro	Return	Area	Curve Number	Time of Conc. (min)	Max Flow (ft^3/s,
	Period	(40100)		()	m^3/s)
SRL09A01	2-year	11.14	90	13	25.9
	5-year				30.8
	10-year				43.4
	20-year				JZ. I
	100-year				67.1
SBI 00402	2 voor	0.15	07	0	10 /
SRLU9AU3	2-year	6.15	07	9	10.4
	10-year				20.3
	25 year				31.4
	50-year				
	100-year				42.7
SPI 1001	2 yoar	0.86	00	7	2.0
SKETUUT	2-year	0.00	00	1	2.0
	10-year				2.0
	25-vear				4.0
	50-year				4.5
	100-ver				5.2
SRI 1004	2-vear	3 27	87	5	7.4
	5-vear	0.21	07		10.7
	10-vear				12.6
	25-year				15.2
	50-year				17.1
	100-ver				19.6
SRL1103	2-vear	9.85	89	10	22.8
	5-vear				32.6
	10-vear				38.4
	25-year				46.2
	50-year				52.0
	100-yer				59.7
SRL1106	2-year	7.56	88	11	17.1
	5-year				24.6
	10-year				29.0
	25-year				35.0
	50-year				39.4
	100-yer				45.3
SRL1110	2-year	2.70	87	45	3.7
	5-year				5.6
	10-year				6.6
	25-year				8.1
	50-year				9.2
	100-yer				10.6
SRL1202	2-year	5.36	87	4	12.2
	5-year				17.5
	10-year				20.7
	25-year				24.9
	50-year				28.1
	100-yer				32.3

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			0	Time of	Max Flow
Nede News	Return	Area (acres)	Curve Number	Conc. (min)	(ft^3/s,
Node Name	Period	(00103)		(1111)	m^3/s)
SRL1602	2-year	5.72	88	9	12.9
	5-year				18.0
	10-year				21.9
	20-year				20.4
	100-year				29.0
SDI 1702	2 voor	7 74	00	0	17.5
SKL1703	2-year	7.74	00	9	25.1
	10-year				20.1
	25-year				29.7
	50-year				40.4
	100-ver				46.5
SPI 1705	2 yoar	12 74	00	17	
SIXE 1703	5-vear	12.74	00	17	20.0 28 6
	10-vear				
	25-year				
	50-year				62.8
	100-ver				72.0
SRI 1802	2-vear	10.97	87	7	25.3
ORETOOZ	5-vear	10.07	07		36.5
	10-vear				43.2
	25-year				52.2
	50-year				58.9
	100-ver				67.8
SRI 1804	2-vear	11.56	92	22	26.1
	5-vear	11.00			36.7
	10-vear				42.9
	25-vear				51.3
	50-vear				57.5
	100-yer				65.7
SRL1806	2-year	4.43	92	6	11.4
	5-year				15.8
	10-year				18.4
	25-year				21.9
	50-year				24.5
	100-yer				28.0
SRL1809	2-year	12.68	93	13	31.7
	5-year				44.0
	10-year				51.3
	25-year				60.9
	50-year				68.1
	100-yer				77.7
SRL18A03	2-year	10.33	88	11	23.0
	5-year				33.2
	10-year				39.3
	25-year				47.4
	50-year				53.5
	100-yer				61.5

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRL1903	2-year	5.65	91	13	13.7
	5-year				19.2
	10-year				22.5
	25-year				26.9
	50-year				30.2
	Tuo-yer	40.50	07		34.5
SRL2003	∠-year	16.52	87	/	38.4
	5-year				55.3
	10-year				05.3
	25-year				/8.8
	100 vor				00.0
	100-yei	40.04	00		102.1
SRL2103	2-year	12.24	88	14	27.0
	5-year				39.0
	25 year				40.2
	20-year				55.9
	100 vor				72.7
CDMC04	Ducor	25.46	90	11	12.1
SRIVIC04	2-year	25.40	80	11	44.4
	5-year				09.1
	25 year				104.2
	20-year				110.9
	100-year				140.2
SDMC05	D voor	40.49	96	1.4	140.2
SKIVICUS	2-year	49.10	00	14	154.1
	10 year				104.1
	25 year				222.0
	50-year				223.0
	100-year				291.6
SPMC08	2-vear	26.95	85	15	53.6
SILINEOO	2-year	20.35		10	79.6
	10-year				95.0
	25-vear				116 3
	50-vear				132.0
	100-ver				152.8
SRMC13	2-vear	30.55	88	23	60.4
	5-year	00.00		20	88.0
	10-vear				104.6
	25-vear				126.8
	50-vear				143.3
	100-yer				165.2
SRMC19	2-year	19.68	91	12	47.6
	5-year				66.9
	10-year				78.4
	25-year				93.6
	50-year				105.0
	100-yer				120.1

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

			•	Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(11111)	m^3/s)
SRMC23	2-year	3.65	91	5	9.0
	5-year				12.6
	10-year				14.7
	25-year				17.5
	50-year				19.6
0514004	100-yer				22.3
SRMC24	2-year	6.04	86	10	13.2
	5-year				19.3
	10-year				22.9
	25-year				27.8
	50-year				31.4
	100-yer				36.2
SRMC27	2-year	6.34	87	9	14.1
	5-year				20.5
	10-year				24.3
	25-year				29.3
	50-year				33.0
	100-yer				38.0
SRMC31	2-year	27.17	87	14	58.3
	5-year				85.0
	10-year				101.1
	25-year				122.5
	50-year				138.5
	100-yer				159.8
SRMC34	2-year	24.16	87	13	51.9
	5-year				75.6
	10-year				89.9
	25-year				108.9
	50-year				123.1
	100-yer				142.0
SRMC36	2-year	15.05	85	14	29.3
	5-year				43.9
	10-year				52.7
	25-year				64.4
	50-year				73.2
	100-yer				84.9
SRMC40	2-year	12.70	85	11	26.7
	5-year				39.4
	10-year				47.0
	25-year				57.1
	50-year				64.7
	100-yer				74.8
SRMC41	2-year	15.42	85	11	32.2
	5-year				47.6
	10-year				56.8
	25-year				69.1
	50-year				78.4
	100-yer				90.6

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc.	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
SRMC44	2-year	28.87	92	11	/1.3
	5-year				99.4
	10-year				116.2
	25-year				138.4
	50-year				154.9
0)/140000	Tuo-yer	0.04		-	177.0
SYMC02	2-year	2.21	82	5	4.4
	5-year				0.0
	10-year				8.0
	25-year				9.7
	50-year				11.1
0)/14005	100-yei	0.04	0.4	0	12.0
SYMC05	2-year	6.21	84	9	12.7
	5-year				18.9
	25 year				22.0
	20-year				27.0
	100 vor				31.3
	Ducor	156.07	0.0	45	30.Z
OWLIGI	2-year	100.07	00	40	223.9
	5-year				329.1
	25 year				392.4
	20-year				520.0
	100-year				623.7
	2 voor	502.44	90	70	540 F
OVVL201	2-year	525.41	09	79	706.0
	10 year				790.9
	25 year				1143.0
	50-year				1290.6
	100-year				1230.0
11/0/1 301	2-vear	128 30	80	32	230.2
0112301	2-year	120.00	03	52	332.6
	10-year				394.2
	25-vear				476.2
	50-vear				537.4
	100-ver				618.7
UWI 302	2-year	197.75	76	30	209.5
02002	5-vear			50	352.8
	10-vear				443.4
	25-vear				567.3
	50-vear				661.6
	100-yer				789.4
UWMC00	2-year	17.30	78	28	20.7
	5-year				34.0
	10-year				42.4
	25-year				53.8
	50-year				62.5
	100-yer				74.2

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Aroa	Curvo	Time of	Max Flow
Node Name	Return Period	(acres)	Number	(min)	(ft^3/s, m^3/s)
UWMC01	2-vear	86 27	89	63	104.5
	5-year	00.21			152.5
	10-vear				181.2
	25-year				219.3
	50-year				247.7
	100-yer				285.5
UWMC03	2-vear	125.35	82	103	79.0
	5-vear				125.6
	10-vear				154.5
	25-vear				193.5
	50-year				223.0
	100-yer				262.5
UWMC04	2-vear	210.85	84	92	159.9
	5-year			52	246.3
	10-year				299.2
	25-year				370.5
	50-year				424.1
	100-yer				495.6
UWMC05	2-year	336.36	85	115	227.7
	5-year				346.7
	10-year				419.5
	25-year				517.4
	50-year				590.9
	100-yer				689.0
UWMC06	2-year	228.83	91	83	242.9
	5-year				348.5
	10-year				411.6
	25-year				495.2
	50-year				557.6
	100-yer				640.4
UWMC07	2-year	216.34	93	75	259.7
	5-year				365.4
	10-year				428.4
	25-year				511.9
	50-year				574.2
	100-yer				656.9
UWMC08	2-year	216.72	91	173	137.8
	5-year				196.2
	10-year				231.2
	25-year				277.7
	50-year				312.5
	100-yer				358.8
UWMC09	2-year	300.71	88	46	424.1
	5-year				623.4
	10-year				743.5
	25-year				903.3
	50-year				1022.9
	100-yer				1181.8

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		Catchment 1			
			0	Time of	Max Flow
Nede News	Return	Area (acres)	Curve Number	Conc. (min)	(ft^3/s,
	Period	(40100)	70	()	m*3/s)
	∠-year	177.35	79	32	212.2
	5-year				343.8
	10-year				425.9
	25-year				537.1
	100 vor				724.2
	100-yei	202.02	00	40	7 34.3
UVVIVIC11	2-year	203.92	80	43	218.9
	5-year				350.8
	10-year				432.7
	25-year				543.7
	50-year				627.9
	100-yer	474.00			740.7
UWMC12	2-year	1/4.62		22	216.0
	5-year				357.5
	10-year				446.2
	25-year				567.1
	50-year				658.9
	100-yer	444.00	07		783.0
VCL102	2-year	111.36	87	39	163.0
	5-year				244.6
	10-year				293.9
	25-year				359.5
	50-year				408.6
	100-yer	07.40		4.5	473.7
VCL201	2-year	37.12	89	15	79.9
	5-year				115.5
	10-year				136.7
	25-year				104.7
	50-year				185.0
1/01/001	Tuo-yer	470.00	70	70	213.4
VCIVIC01	∠-year	178.23	/8	/6	120.4
	5-year				198.3
	10-year				247.4
	∠o-year				314.2
	100 year				303.1 122 F
	2 voor	02.04	04	0.4	400.0
	2-year	03.31	01	34	104.8
	10-year				204 4
	25-year				204.4 255 P
	50-year				200.0
	100-yea				294.0
	2-vear	123 7/	80	31	175 0
	5-year	120.14	02	51	272 0
	10-vear				331.5
	25-vear				Δ11 5
	50-vear				471 7
	100-ver				552.6
					,

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(acres)	Number	(1111)	m^3/s)
VCMC04	2-year	30.29	93	18	72.8
	5-year				101.4
	10-year				118.4
	25-year				140.8
	50-year				157.0
VOMOOC	100-yei	44.00	01	4.4	179.9
VCIVIC06	2-year	44.30	91	14	104.1
	5-year				147.9
	10-year				174.0
	25-year				208.5
	50-year				234.2
101007	100-yei	07.00	00	10	200.4
VCMC07	2-year	37.93	92	16	92.7
	5-year				129.5
	10-year				151.4
	∠o-year				180.5
	50-year				202.2
VOMOOD	Too-yer	20.40	01	40	231.0
	2-year	32.10	91	12	110.0
	5-year				110.0
	10-year				129.1
	20-year				104.4
	100 vor				1/ 3.2
W(12) 1D01		0.14	96	10	190.2
WISLIBUI	Z-year	9.14	00	10	19.7
	10 year				20.0
	25 year				
	50-year				41.7
	100-year				54.4
W13L1C01	2-vear	2 50	87	7	5.5
WISEICOT	2-year	2.00	07	/	
	10-vear				0.0
	25-vear				
	50-vear				12 0
	100-ver				14 9
W13I 201	2-year	2 10	88	5	۲.4.0 ۲ ۵
	5-year	2.10		5	7.0
	10-vear				8.2
	25-vear				9.2 9.9
	50-vear				11 1
	100-ver				12.7
W13L202	2-year	3.56	85	3	7.5
	5-vear				11.0
	10-vear				13.1
	25-vear				15.9
	50-year				18.0
	100-yer				20.7

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

				Time of	Max Flow
	Return	Area (acres)	Curve	Conc. (min)	(ft^3/s,
Node Name	Period	(40103)		(1111)	m*3/s)
VV13L401	2-year	1.96	86	3	4.4
	5-year				0.4
	10-year				7.6
	25-year				9.1
	100 vor				10.3
W/12MC04		17.04	00	10	11.0
W13WC04	2-year	17.04	90	12	40.0
	10 year				57.0 67.7
	25 year				07.7
	20-year				01.1
	100-year				91.1
M/LL 404	100-yei	0.40	07	2	104.4
VVLL104	∠-year	2.48	87	3	5.7
	10 year				<u>٥.</u> ٦
	25-vear				9.0
	20-year				11.0
	100 vor				15.0
W/LL 100	2 voor	4 75	05	2	10.0
WLL109	2-year	4.75	90	3	12.0
	10-year				17.2
	25-year				23.4
	50-year				20.4
	100-year				20.1
W/LL1A01	2-vear	10 50	80	8	25.0
WEETAOT	5-year	10.00	03	0	25.0
	10-year				42.1
	25-vear				50.5
	50-vear				56.8
	100-ver				65.2
W/LL1A02	2-vear	8 78	87	14	18.9
WEEDROZ	5-vear	0.70	01		27.5
	10-vear				32.7
	25-vear				39.6
	50-vear				44.8
	100-ver				51.7
WLL1B01	2-year	26.25	92	33	50.6
	5-vear	_0.20	52		71.3
	10-vear				83.6
	25-vear				99.9
	50-vear				112.2
	100-yer				128.4
WLL202	2-year	8.59	90	10	20.2
	5-year				28.6
	10-year				33.6
	25-year				40.2
	50-year				45.2
	100-yer				51.7

Table B.6
Hydrologic Modeling - Runoff Results for Future Conditions

		A	C	Time of	Max Flow
Nede Neme	Return	Area (acres)	Curve Number	(min)	(ft^3/s, m^2/a)
	Period	(01	()	10.7
VVLL302	2-year	4.00	91	5	12.7
	10-year				20.6
	25-vear				20.0
	50-vear				27.3
	100-ver				31.3
WI L305	2-vear	6.00	87	5	13.5
1122000	5-vear	0.00	0.		19.4
	10-vear				22.9
	25-year				27.6
	50-vear				31.1
	100-yer				35.8
WLL314	2-vear	6.26	87	6	14.3
	5-year				20.6
	10-year				24.3
	25-year				29.3
	50-year				33.0
	100-yer				38.0
WLL318	2-year	40.95	88	17	85.1
	5-year				124.0
	10-year				147.4
	25-year				178.6
	50-year				201.9
	100-yer				232.9
WLL3A02	2-year	1.76	93	3	4.5
	5-year				6.1
	10-year				7.1
	25-year				8.4
	50-year				9.4
	100-yer				10.7
WLL3B05	2-year	7.28	89	8	17.2
	5-year				24.4
	10-year				28.7
	25-year				34.5
	50-year				38.7
	100-yer				44.4
WLL401	2-year	8.48	92	11	21.3
	5-year				29.6
	10-year				34.6
	25-year				41.1
	50-year				46.0
	100-yer				52.6
WLL501	2-year	30.60	87	28	54.0
	5-year				79.6
	10-year				95.1
	25-year				115.7
	50-year				131.1
	100-yer				151.6

			Catchment 1				
		A	0	Time of	Max Flow		
	Return	Area	Curve	Conc.	(ft^3/s,		
Node Name	Period	(acres)	Number	(min)	m^3/s)		
WLL601	2-year	9.91	93	8	25.9		
	5-year				35.		
	10-year				41.		
	25-year				49.		
	50-year				54.		
	100-yer				62.		
WLL701	2-year	18.94	87	11	40.		
	5-year				59.		
	10-year				70.		
	25-year				85.		
	50-year				96.		
	100-yer				110.		
WLMC04	2-year	22.92	86	20	44.		
	5-year				66.		
	10-year				78.		
	25-year				96.		
	50-year				108.		
	100-yer				125.		
WLMC06	2-year	21.18	84	35	29.		
	5-year				45.		
	10-year				54.		
	25-year				67.		
	50-year				77.		
	100-yer				90.		
WLMC09	2-year	51.15	85	47	63.		
	5-year				96.		
	10-year				116.		
	25-year				143.		
	50-year				163.		
	100-yer				190.		
WLMC11	2-year	2.54	93	11	6.		
	5-year				9.		
	10-year				10.		
	25-year				12.		
	50-year				14.		
	100-yer				15.		
WLMC18	2-year	17.06	87	24	32.		
	5-year				47.		
	10-year				56.		
	25-year				68.		
	50-year				77.		
	100-yer				89.		

Table B.6Hydrologic Modeling - Runoff Results for Future Conditions

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL101	2-year	898.00	880.37	883.36	14.64
	5-year			883.96	14.04
	10-year			884.32	13.68
	25-year			884.69	13.31
	50-year			884.96	13.04
	100-yer			885.27	12.73
CCL102	2-year	904.00	896.75	898.37	5.63
	5-vear			898.63	5.37
	10-vear			898.95	5.05
	25-vear			899.32	4.68
	50-year			899.50	4.50
	100-ver			899.68	4.32
CCL103	2-vear	907.42	897.42	898.78	8.64
002100	5-vear	001112	001112	899 14	8 28
	10-vear			899 47	7 95
	25-vear			899.98	7 44
	50-vear			900.27	7.15
	100-ver			900.56	6.86
CCI 104	2-vear	908.08	808.08	898.78	9.00
002104	5-vear	500.00	000.00	800.10	8.95
	10-vear			899.46	8.62
	25-vear			800.40	8 11
	50-vear			900.26	7.82
	100-year			900.20	7.02
CCI 105	2-vear	000 28	800 28	901.63	7.65
COLIUS	2-year	909.20	099.20	901.03	6.37
	10-vear			902.91	6.06
	25-vear			903.22	5.85
	50-year			903.43	5.00
	100-year			903.30	5.72
	100-yei	018.00	008.00	903.72	0.44
CCLIU	z-year	910.00	908.00	908.50	9.44
	10 year			900.74	9.20
	10-year			900.04	9.10
	20-year			900.93	9.07
	100 year			900.99	9.01
	100-yei	044.47	000.47	909.00	0.94
CCL107	z-year	914.17	908.17	909.41	4.76
	5-year			909.71	4.46
	10-year			909.87	4.30
	25-year			910.06	4.11
	50-year			910.17	4.00
	ruu-yer	045 74	000 7 (910.30	3.87
CCL108	2-year	915.74	909.74	909.92	5.82
	5-year			910.05	5.69
	10-year			910.11	5.63
	25-year			910.16	5.58
	50-year			910.20	5.54
	100-yer			910.32	5.42

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL109	2-year	919.85	909.85	911.85	8.00
	5-year			912.23	7.62
	10-year			912.34	7.51
	25-year			912.44	7.41
	50-year			912.50	7.35
	100-yer			912.58	7.27
CCL110	2-year	925.87	915.87	916.09	9.78
	5-year			916.15	9.72
	10-year			916.18	9.69
	25-year			916.22	9.65
	50-year			916.24	9.63
	100-yer			916.27	9.60
CCL111	2-year	922.76	917.18	921.98	0.78
	5-year			922.07	0.69
	10-year			922.11	0.65
	25-year			922.16	0.60
	50-year			922.20	0.56
	100-yer			922.24	0.52
CCL112	2-year	922.80	918.38	922.14	0.66
	5-year			922.26	0.54
	10-year			922.32	0.48
	25-year			922.40	0.40
	50-year			922.45	0.35
	100-yer			922.52	0.28
CCL113	2-year	924.64	920.06	923.77	0.87
	5-year			923.85	0.79
	10-year			923.90	0.74
	25-year			923.95	0.69
	50-year			923.98	0.66
	100-yer			924.02	0.62
CCL201	2-year	910.68	901.16	901.28	9.40
	5-year			901.30	9.38
	10-year			901.32	9.36
	25-year			901.33	9.35
	50-year			901.35	9.33
	100-yer			901.36	9.32
CCL202	2-year	910.74	905.74	906.90	3.84
	5-year			907.11	3.63
	10-year			907.22	3.52
	25-year			907.36	3.38
	50-year			907.47	3.27
	100-yer			907.61	3.13
CCL203	2-year	911.72	906.97	908.20	3.52
	5-year			908.47	3.25
	10-year			908.62	3.10
	25-year			908.83	2.89
	50-year			909.00	2.72
	100-yer			909.26	2.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCL204	2-year	914.18	909.18	910.28	3.90
	5-year			910.54	3.64
	10-year			910.71	3.47
	25-year			911.31	2.87
	50-year			912.36	1.82
	100-yer			913.21	0.97
CCMC00	2-year	876.00	863.18	866.63	9.37
	5-year			867.24	8.76
	10-year			867.61	8.39
	25-year			867.99	8.01
	50-year			868.27	7.73
	100-yer			868.57	7.43
CCMC01	2-year	898.00	879.96	883.42	14.58
	5-year			884.04	13.96
	10-year			884.41	13.59
	25-year			884.78	13.22
	50-year			885.07	12.93
	100-yer			885.37	12.63
CCMC02	2-vear	906.00	880.68	884.45	21.55
	5-vear			885.26	20.74
	10-vear			885.67	20.33
	25-vear			886.13	19.87
	50-vear			886.46	19.54
	100-ver			886.83	19.17
CCMC03	2-vear	907.00	891.70	892.85	14.15
	5-vear			893.06	13.94
	10-vear			893.18	13.82
	25-vear			893.33	13.67
	50-vear			893.43	13.57
	100-ver			893.53	13.47
CCMC04	2-vear	907.00	891 74	893 90	13 10
0011100+	5-vear	007.00	001.74	894 52	12.48
	10-vear			894 87	12.13
	25-vear			895 27	11 73
	50-vear			895.57	11.70
	100-ver			895 91	11.43
	2-voar	000.00	001 74	906.19	2.81
CONICOJ	z-year 5-year	303.00	301.74	900.19	2.01
	10-year			007.04	2.20
	25-year			007.04	1.90
	20-year			007 ED	
	100-year			007.00 007.96	1.40
	2-veor	000 00	001 74	006 10	1.14
	2-year	900.00	901.74	900.19	1.01
	J-year			900.75	1.20
	25 year			907.04	0.90
	20-year			907.37	0.03
	100 year			907.60	0.40
	roo-yer			907.86	0.14

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
CCMC07	2-year	910.07	901.74	906.19	3.88
	5-year			906.75	3.32
	10-year			907.04	3.03
	25-year			907.37	2.70
	50-year			907.60	2.47
	100-yer			907.86	2.21
CCMC08	2-year	910.10	901.88	906.40	3.70
	5-year			907.38	2.72
	10-year			907.77	2.33
	25-year			908.15	1.95
	50-year			908.42	1.68
	100-yer			908.72	1.38
CCMC09	2-year	913.00	904.82	906.40	6.60
	5-year			907.38	5.62
	10-year			907.76	5.24
	25-year			908.15	4.85
	50-year			908.41	4.59
	100-yer			908.71	4.29
CCMC10	2-year	920.17	904.83	907.45	12.72
	5-year			907.85	12.32
	10-year			908.09	12.08
	25-year			908.37	11.80
	50-year			908.57	11.60
	100-yer			908.81	11.36
CCMC11	2-year	928.89	914.89	916.25	12.64
	5-year			916.55	12.34
	10-year			916.70	12.19
	25-year			916.87	12.02
	50-year			917.00	11.89
	100-yer			917.15	11.74
CCMC12	2-year	934.95	928.25	929.23	5.72
	5-year			929.39	5.56
	10-year			929.47	5.48
	25-year			929.57	5.38
	50-year			929.64	5.31
	100-yer			929.72	5.23
CCMC13	2-year	935.00	928.53	929.23	5.77
	5-year			929.39	5.61
	10-year			929.48	5.52
	25-year			929.57	5.43
	50-year			929.64	5.36
	100-yer			929.72	5.28
E23L101	2-year	936.53	929.53	930.27	6.26
	5-year			930.38	6.15
	10-year			930.43	6.10
	25-year			930.52	6.01
	50-year			930.57	5.96
	100-yer			930.65	5.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
E23L102	2-year	935.00	930.00	934.08	0.92
	5-year			934.17	0.83
	10-year			934.21	0.79
	25-year			934.25	0.75
	50-year			934.28	0.72
	100-yer			934.32	0.68
E23L103	2-year	935.14	930.14	934.37	0.77
	5-year			934.48	0.66
	10-year			934.53	0.61
	25-year			934.60	0.54
	50-year			934.64	0.50
	100-yer			934.70	0.44
E23L104	2-year	936.09	931.42	935.20	0.89
	5-year			935.29	0.80
	10-year			935.33	0.76
	25-year			935.38	0.71
	50-year			935.41	0.68
	100-yer			935.45	0.64
E23L105	2-year	936.24	931.66	935.46	0.78
	5-year			935.56	0.68
	10-year			935.61	0.63
	25-year			935.68	0.56
	50-year			935.72	0.52
	100-yer			935.77	0.47
E23L106	2-year	941.65	937.40	938.12	3.53
	5-year			938.32	3.33
	10-year			938.49	3.16
	25-year			940.69	0.96
	50-year			940.70	0.95
	100-yer			940.72	0.93
E23L1A01	2-year	938.00	934.86	936.41	1.59
	5-year			937.07	0.93
	10-year			937.11	0.89
	25-year			937.16	0.84
	50-year			937.18	0.82
	100-yer			937.22	0.78
E23MC01	2-year	915.00	907.40	908.91	6.09
	5-year			909.44	5.56
	10-year			909.66	5.34
	25-year			910.06	4.94
	50-year			910.37	4.63
	100-yer			910.77	4.23
E23MC02	2-year	918.00	910.00	913.53	4.47
	5-year			913.88	4.12
	10-year			914.09	3.91
	25-year			914.30	3.70
	50-year			914.43	3.57
	100-yer			914.56	3.44

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
E23MC03	2-year	919.00	911.41	913.90	5.10
	5-year			914.21	4.79
	10-year			914.37	4.63
	25-year			914.58	4.42
	50-year			914.73	4.27
	100-yer			914.89	4.11
E23MC04	2-year	922.56	916.56	919.44	3.12
	5-year			919.74	2.82
	10-year			919.87	2.69
	25-year			920.01	2.55
	50-year			920.09	2.47
	100-yer			920.18	2.38
E23MC05	2-year	927.58	923.58	926.23	1.35
	5-year			926.27	1.31
	10-year			926.29	1.29
	25-year			926.30	1.28
	50-year			926.31	1.27
	100-yer			926.36	1.22
E4MC00	2-year	901.00	871.31	872.31	28.69
	5-year			872.55	28.45
	10-year			872.67	28.33
	25-year			872.82	28.18
	50-year			872.93	28.07
	100-yer			873.06	27.94
E4MC01	2-year	901.00	879.59	880.59	20.41
	5-year			880.83	20.17
	10-year			880.96	20.04
	25-year			881.11	19.89
	50-year			881.21	19.79
	100-yer			881.35	19.65
E7MC00	2-year	900.00	879.23	880.63	19.37
	5-year			880.92	19.08
	10-year			881.09	18.91
	25-year			881.29	18.71
	50-year			881.43	18.57
	100-yer			881.62	18.38
E7MC01	2-vear	900.00	885.46	886.86	13.14
	5-vear			887.16	12.84
	10-vear			887.32	12.68
	25-year			887.52	12.48
	50-year			887.67	12.33
	100-ver			887.85	12.15
FPL101	2-vear	894.02	886.42	887.35	6.67
	5-vear		5555.12	887.43	6.59
	10-vear			887.64	6.38
	25-vear			887.79	6.23
	50-vear			887.89	6.13
	100-ver			888.01	6.01
	,				

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
FPL102	2-year	894.15	886.65	888.33	5.82
	5-year			888.58	5.57
	10-year			889.71	4.44
	25-year			890.49	3.66
	50-year			891.05	3.10
	100-yer			891.85	2.30
FPL103	2-year	896.03	886.95	888.57	7.46
	5-year			892.91	3.12
	10-year			893.26	2.77
	25-year			893.32	2.71
	50-year			893.36	2.67
	100-yer			893.40	2.63
FPL104	2-year	894.09	888.09	891.35	2.74
	5-year			892.91	1.18
	10-year			893.26	0.83
	25-year			893.32	0.77
	50-year			893.36	0.73
	100-yer			893.40	0.69
FPL201	2-year	893.94	884.11	887.92	6.02
	5-year			892.19	1.75
	10-year			892.30	1.64
	25-year			892.42	1.52
	50-year			892.50	1.44
	100-yer			892.59	1.35
FPL202	2-year	894.14	888.14	892.54	1.60
	5-year			892.89	1.25
	10-year			892.98	1.16
	25-year			893.09	1.05
	50-year			893.17	0.97
	100-yer			893.26	0.88
FPL203	2-year	894.66	888.41	892.64	2.02
	5-year			892.97	1.69
	10-year			893.08	1.58
	25-year			893.20	1.46
	50-year			893.29	1.37
	100-yer			893.40	1.26
FPL204	2-year	894.39	888.89	892.65	1.74
	5-year			892.99	1.40
	10-year			893.10	1.29
	25-year			893.23	1.16
	50-year			893.32	1.07
	100-yer			893.43	0.96
FPL205	2-year	896.71	890.46	894.05	2.66
	5-year			894.14	2.57
	10-year			894.18	2.53
	25-year			894.24	2.47
	50-year			894.28	2.43
	100-yer			894.33	2.38

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
FPL206	2-year	895.09	890.84	894.64	0.45
	5-year			894.78	0.31
	10-year			894.85	0.24
	25-year			894.95	0.14
	50-year			895.01	0.08
	100-yer			895.09	0.00
FPL301	2-year	889.00	878.80	879.90	9.10
	5-year			882.13	6.87
	10-year			885.63	3.37
	25-year			887.17	1.83
	50-year			887.32	1.68
	100-yer			887.47	1.53
FPMC00	2-year	909.00	871.48	873.69	35.31
	5-year			874.49	34.51
	10-year			874.90	34.10
	25-year			875.44	33.56
	50-year			875.83	33.17
	100-yer			876.42	32.58
FPMC01	2-vear	908.97	873.07	875.29	33.68
	5-vear			876.08	32.89
	10-vear			876.49	32.48
	25-vear			877.03	31.94
	50-vear			877.42	31.55
	100-ver			878.01	30.96
FPMC02	2-vear	909.00	873.48	875.69	33.31
	5-vear			876.49	32.51
	10-vear			876.89	32.11
	25-vear			877.44	31.56
	50-vear			877.82	31.18
	100-ver			878.42	30.58
FPMC03	2-vear	910.08	874 72	876.93	33 15
	5-vear	010.00	014.72	877 73	32 35
	10-vear			878 14	31 94
	25-vear			878.68	31.04
	50-year			879.06	31.40
	100-year			879.66	30.42
EDMC04	2-vear	802 12	886 42	888.38	4.04
	Z-year 5 yoar	092.42	000.42	000.30	4.04
	10-year			880.00	3.03
	25-voor			009.00 009.00	2.42
	20-year			2009.34 220 61	3.00 2 77
	100-year			2009.04 200.06	2.11
	2-veor	202.00	007 00	030.00	2.30 1 11
	∠-yeai 5-yoor	093.00	007.00	000.09	4.41
	J-year 10-year			009.13	3.07
	25 year			009.40	3.0U
	20-year			003.75	3.25
	100 year			090.04	2.90
	roo-yer			890.41	2.59

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL201	2-year	912.00	902.67	905.19	6.81
	5-year			905.46	6.54
	10-year			905.58	6.42
	25-year			905.68	6.32
	50-year			905.77	6.23
	100-yer			905.87	6.13
IPL202	2-year	914.00	909.87	911.44	2.56
	5-year			911.71	2.29
	10-year			911.91	2.09
	25-year			912.23	1.77
	50-year			912.36	1.64
	100-yer			912.47	1.53
IPL203	2-year	928.00	923.00	923.30	4.70
	5-year			923.36	4.64
	10-year			923.39	4.61
	25-year			923.42	4.58
	50-year			923.45	4.55
	100-yer			923.48	4.52
IPL204	2-year	931.54	923.54	924.38	7.16
	5-year			924.52	7.02
	10-year			924.60	6.94
	25-year			924.68	6.86
	50-year			924.76	6.78
	100-yer			924.84	6.70
IPL205	2-year	932.29	925.04	925.50	6.79
	5-year			925.59	6.70
	10-year			925.63	6.66
	25-year			925.68	6.61
	50-year			925.72	6.57
	100-yer			925.77	6.52
IPL206	2-year	933.10	928.85	929.65	3.45
	5-year			929.88	3.22
	10-year			930.94	2.16
	25-year			932.11	0.99
	50-year			932.14	0.96
	100-yer			932.15	0.95
IPL2A01	2-year	907.91	903.91	905.21	2.70
	5-year			905.49	2.42
	10-year			905.62	2.29
	25-year			905.74	2.17
	50-year			905.83	2.08
	100-yer			905.94	1.97
IPL2A02	2-year	921.83	916.83	917.38	4.45
	5-year			917.47	4.36
	10-year			917.51	4.32
	25-year			917.57	4.26
	50-year			917.61	4.22
	100-yer			917.65	4.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL2A03	2-year	923.12	917.54	919.46	3.66
	5-year			920.52	2.60
	10-year			921.88	1.24
	25-year			922.22	0.90
	50-year			922.26	0.86
	100-yer			922.31	0.81
IPL2A04	2-year	924.24	917.99	920.03	4.21
	5-year			921.74	2.50
	10-year			922.38	1.86
	25-year			922.45	1.79
	50-year			922.47	1.77
	100-yer			922.50	1.74
IPL2A05	2-year	923.52	918.27	921.60	1.92
	5-year			921.89	1.63
	10-year			922.39	1.13
	25-year			922.46	1.06
	50-year			922.49	1.03
	100-yer			922.52	1.00
IPL401	2-year	908.00	901.03	902.19	5.81
	5-year			902.38	5.62
	10-year			902.44	5.56
	25-year			902.51	5.49
	50-year			902.64	5.36
	100-yer			902.82	5.18
IPL402	2-year	908.00	901.98	903.03	4.97
	5-year			903.33	4.67
	10-year			903.41	4.59
	25-year			903.55	4.45
	50-year			903.80	4.20
	100-yer			903.89	4.11
IPL403	2-year	908.81	903.61	904.66	4.15
	5-year			904.84	3.97
	10-year			904.89	3.92
	25-year			904.97	3.84
	50-year			905.10	3.71
a a .	100-yer			905.14	3.67
IPL404	2-year	909.69	903.86	905.24	4.45
	5-year			905.48	4.21
	10-year			905.56	4.13
	25-year			905.71	3.98
	50-year			905.98	3.71
	100-yer			906.07	3.62
IPL405	2-year	912.60	906.93	907.62	4.98
	5-year			907.76	4.84
	10-year			907.80	4.80
	25-year			907.87	4.73
	50-year			907.96	4.64
	100-yer			907.99	4.61

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL406	2-year	916.60	910.27	911.51	5.09
	5-year			911.78	4.82
	10-year			911.85	4.75
	25-year			912.03	4.57
	50-year			912.29	4.31
	100-yer			912.42	4.18
IPL407	2-year	919.55	912.80	914.00	5.55
	5-year			914.41	5.14
	10-year			914.55	5.00
	25-year			915.62	3.93
	50-year			917.77	1.78
	100-yer			918.46	1.09
IPL408	2-year	925.93	919.35	920.63	5.30
	5-year			921.07	4.86
	10-year			921.65	4.28
	25-year			924.97	0.96
	50-year			925.07	0.86
	100-yer			925.10	0.83
IPL409	2-year	926.56	919.39	921.31	5.25
	5-year			922.17	4.39
	10-year			922.92	3.64
	25-year			924.93	1.63
	50-year			925.02	1.54
	100-yer			925.05	1.51
IPL410	2-year	926.69	919.61	921.93	4.76
	5-year			923.53	3.16
	10-year			924.49	2.20
	25-year			924.93	1.76
	50-year			924.98	1.71
	100-yer			925.01	1.68
IPL411	2-year	926.90	922.40	923.97	2.93
	5-year			925.07	1.83
	10-year			925.15	1.75
	25-year			925.22	1.68
	50-year			925.25	1.65
	100-yer			925.28	1.62
IPL501	2-year	906.00	900.00	901.22	4.78
	5-year			901.82	4.18
	10-year			902.13	3.87
	25-year			902.53	3.47
	50-year			902.80	3.20
	100-yer			903.08	2.92
IPL502	2-year	906.00	901.84	903.44	2.56
	5-year			903.73	2.27
	10-year			903.86	2.14
	25-year			904.01	1.99
	50-year			904.08	1.92
	100-yer			904.17	1.83

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPL601	2-year	907.59	901.37	902.20	5.39
	5-year			903.01	4.58
	10-year			903.44	4.15
	25-year			903.97	3.62
	50-year			904.34	3.25
	100-yer			904.87	2.72
IPL602	2-year	907.66	901.77	903.51	4.15
	5-year			904.28	3.38
	10-year			904.65	3.01
	25-year			904.99	2.67
	50-year			905.22	2.44
	100-yer			905.41	2.25
IPL603	2-year	913.00	904.50	904.98	8.02
	5-year			905.10	7.90
	10-year			905.16	7.84
	25-year			905.22	7.78
	50-year			905.27	7.73
	100-yer			905.41	7.59
IPL604	2-year	914.72	905.30	906.41	8.31
	5-year			906.61	8.11
	10-year			906.71	8.01
	25-year			906.85	7.87
	50-year			906.94	7.78
	100-yer			907.05	7.67
IPL605	2-year	916.55	911.63	912.64	3.91
	5-year			912.87	3.68
	10-year			913.07	3.48
	25-year			913.45	3.10
	50-year			915.34	1.21
	100-yer			915.62	0.93
IPL6A01	2-year	914.43	906.85	911.80	2.63
	5-year			912.62	1.81
	10-year			912.68	1.75
	25-year			912.75	1.68
	50-year			912.80	1.63
	100-yer			912.86	1.57
IPL6A02	2-year	914.66	907.39	912.77	1.89
	5-year			913.04	1.62
	10-year			913.10	1.56
	25-year			913.16	1.50
	50-year			913.20	1.46
	100-yer			913.26	1.40
IPL6A03	2-year	914.34	908.01	912.77	1.57
	5-year			913.04	1.30
	10-year			913.10	1.24
	25-year			913.16	1.18
	50-year			913.20	1.14
	100-yer			913.26	1.08

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC02	2-year	898.50	887.24	892.58	5.92
	5-year			893.53	4.97
	10-year			894.02	4.48
	25-year			894.51	3.99
	50-year			894.82	3.68
	100-yer			895.27	3.23
IPMC03	2-year	898.50	887.40	892.59	5.91
	5-year			893.53	4.97
	10-year			894.04	4.46
	25-year			894.57	3.93
	50-year			894.90	3.60
	100-yer			895.36	3.14
IPMC04	2-year	903.00	891.21	895.69	7.31
	5-year			896.02	6.98
	10-year			896.16	6.84
	25-year			896.48	6.52
	50-year			896.46	6.54
	100-yer			896.75	6.25
IPMC05	2-year	903.00	891.75	895.88	7.12
	5-year			896.35	6.65
	10-year			896.60	6.40
	25-year			896.97	6.03
	50-year			897.09	5.91
	100-yer			897.40	5.60
IPMC06	2-year	909.00	892.00	896.12	12.88
	5-year			896.62	12.38
	10-year			896.88	12.12
	25-year			897.23	11.77
	50-year			897.38	11.62
	100-yer			897.66	11.34
IPMC07	2-vear	909.00	892.50	896.13	12.87
	5-vear			896.65	12.35
	10-vear			896.93	12.07
	25-vear			897.30	11.70
	50-year			897.48	11.52
	100-yer			897.78	11.22
IPMC08	2-vear	913.00	896.15	900.09	12.91
	5-year			900.29	12.71
	10-year			900.38	12.62
	25-vear			900.49	12.51
	50-year			900.59	12.41
	100-yer			900.66	12.34
IPMC09	2-vear	913.00	896.30	900.78	12.22
	5-year	5.000	500.50	901.32	11.68
	10-vear			901.64	11.36
	25-vear			902.04	10.97
	50-vear			902.32	10.68
	100-ver			902.62	10.38

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC10	2-year	912.00	896.50	900.91	11.09
	5-year			901.52	10.48
	10-year			901.84	10.16
	25-year			902.25	9.75
	50-year			902.53	9.47
	100-yer			902.83	9.17
IPMC11	2-year	912.00	897.01	900.91	11.09
	5-year			901.51	10.49
	10-year			901.84	10.16
	25-year			902.24	9.76
	50-year			902.53	9.47
	100-yer			902.82	9.18
IPMC12	2-year	906.00	897.98	901.22	4.78
	5-year			901.82	4.18
	10-year			902.13	3.87
	25-year			902.52	3.48
	50-year			902.80	3.20
	100-yer			903.08	2.92
IPMC13	2-year	908.00	899.05	902.19	5.81
	5-year			903.01	4.99
	10-year			903.44	4.56
	25-year			903.97	4.03
	50-year			904.34	3.66
	100-yer			904.87	3.13
IPMC14	2-year	911.00	901.49	906.44	4.56
	5-year			907.24	3.76
	10-year			907.63	3.37
	25-year			908.15	2.85
	50-year			908.47	2.53
	100-yer			908.87	2.13
IPMC15	2-year	911.00	902.00	906.44	4.56
	5-year			907.31	3.69
	10-year			907.77	3.23
	25-year			908.27	2.73
	50-year			908.60	2.40
	100-yer			909.00	2.00
IPMC16	2-year	912.00	903.73	907.37	4.63
	5-year			908.16	3.84
	10-year			908.57	3.43
	25-year			909.06	2.94
	50-year			909.39	2.61
	100-yer			909.78	2.22
IPMC17	2-year	912.00	903.90	907.44	4.56
	5-year			908.26	3.74
	10-year			908.71	3.29
	25-year			909.22	2.78
	50-year			909.54	2.46
	100-yer			909.96	2.04

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
IPMC18	2-year	913.00	904.00	907.79	5.21
	5-year			908.56	4.44
	10-year			908.99	4.01
	25-year			909.48	3.52
	50-year			909.80	3.20
	100-yer			910.21	2.79
IPMC19	2-year	913.00	904.08	907.84	5.16
	5-year			908.66	4.34
	10-year			909.20	3.80
	25-year			909.72	3.28
	50-year			910.06	2.94
	100-yer			910.51	2.49
IPMC20	2-year	913.52	906.02	907.95	5.57
	5-year			908.74	4.78
	10-year			909.27	4.25
	25-year			909.78	3.74
	50-year			910.12	3.40
	100-yer			910.56	2.96
LWL101	2-vear	930.00	910.43	911.88	18.12
	5-vear			912.14	17.86
	10-vear			912.28	17.73
	25-vear			912.42	17.58
	50-vear			912.52	17.48
	100-ver			912.64	17.36
LWMC01	2-vear	890.00	862.03	866.37	23.63
	5-vear			867.70	22.30
	10-vear			868.58	21.42
	25-vear			869.60	20.40
	50-year			870.10	19.90
	100-ver			870.90	19.10
LWMC02	2-vear	890.00	866.22	872.01	17 99
2000002	5-vear	000.00	000.22	873.49	16.51
	10-vear			874.46	15.54
	25-vear			875 55	14.45
	50-vear			876.07	13 03
	100-year			876.93	13.93
	2-vear	800 00	868 75	872.00	17.01
	z-year 5 yoar	090.00	000.75	972.56	16.44
	10-year			Q71 50	10.44
	25-vear			074.02 975.61	10.40
	20-year			070.01 876 14	14.39
	100-year			876 00	13.00
	2-voor	201 00	074 60	070.39	0.14
	2-year	091.00	074.00	001.00	9.14
	10-year			002.91	0.09
	25 year			003.44	1.30
	20-year			004.20	0.75
	100 year			004.08	0.42
	100-yer			884.97	6.03

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
LWMC05	2-year	896.10	878.13	884.50	11.60
	5-year			886.45	9.65
	10-year			887.71	8.39
	25-year			889.72	6.38
	50-year			890.54	5.56
	100-yer			891.27	4.83
LWMC06	2-year	896.10	878.42	884.73	11.37
	5-year			886.66	9.44
	10-year			887.91	8.19
	25-year			889.87	6.23
	50-year			890.69	5.41
	100-yer			891.45	4.65
LWMC07	2-year	907.00	879.11	886.33	20.67
	5-year			887.90	19.10
	10-year			889.01	17.99
	25-year			890.95	16.05
	50-year			892.08	14.92
	100-yer			892.96	14.04
LWMC08	2-year	907.00	879.55	886.61	20.39
	5-year			888.29	18.71
	10-year			889.47	17.53
	25-year			891.39	15.61
	50-year			892.49	14.51
	100-yer			893.43	13.57
LWMC09	2-year	898.30	884.30	891.86	6.44
	5-year			893.07	5.23
	10-year			893.55	4.75
	25-year			893.96	4.34
	50-year			894.18	4.12
	100-yer			894.71	3.59
LWMC10	2-year	902.00	887.16	891.47	10.53
	5-year			892.60	9.40
	10-year			893.06	8.94
	25-year			893.37	8.63
	50-year			893.54	8.46
	100-yer			893.73	8.27
LWMC11	2-year	902.00	887.47	891.56	10.44
	5-year			892.66	9.34
	10-year			893.12	8.88
	25-year			893.45	8.55
	50-year			893.63	8.37
	100-yer			893.83	8.17
LWMC12	2-year	920.00	898.29	900.35	19.65
	5-year			900.83	19.17
	10-year			901.04	18.96
	25-year			901.30	18.70
	50-year			901.44	18.56
	100-yer			901.62	18.38
					Max WSE
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		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
LWMC13	2-year	930.00	905.80	906.72	23.28
	5-year			906.87	23.13
	10-year			906.95	23.05
	25-year			907.05	22.95
	50-year			907.12	22.88
	100-yer			907.21	22.79
LWMC14	2-year	930.00	911.74	912.25	17.75
	5-year			912.33	17.67
	10-year			912.37	17.63
	25-year			912.42	17.58
	50-year			912.45	17.55
	100-yer			912.49	17.51
NCL101	2-year	896.70	886.70	892.25	4.45
	5-year			892.61	4.09
	10-year			892.80	3.90
	25-year			892.97	3.73
	50-year			893.07	3.63
	100-yer			893.23	3.47
NCL201	2-year	898.00	890.35	891.36	6.64
	5-year			891.55	6.45
	10-year			891.65	6.35
	25-year			891.76	6.24
	50-year			891.84	6.16
	100-yer			891.93	6.07
NCL202	2-year	909.00	901.00	901.69	7.31
	5-year			901.82	7.18
	10-year			901.88	7.12
	25-year			901.95	7.05
	50-year			902.00	7.00
	100-yer			902.07	6.93
NCL401	2-year	908.00	898.00	898.98	9.02
	5-year			899.18	8.82
	10-year			899.28	8.72
	25-year			899.39	8.61
	50-year			899.47	8.53
	100-yer			899.57	8.43
NCL402	2-vear	927.70	919.70	920.20	7.50
	5-year			920.29	7.41
	10-vear			920.33	7.37
	25-year			920.38	7.32
	50-year			920.41	7.29
	100-ver			920.45	7.25
NCL403	2-vear	926.00	920.34	924.33	1.67
	5-vear	5_0.00	5_0.01	924.58	1.42
	10-vear			924.69	1.31
	25-vear			924.82	1.18
	50-vear			924.90	1.10
	100-ver			925.01	0.99

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCL404	2-year	926.10	920.77	924.34	1.76
	5-year			924.59	1.51
	10-year			924.70	1.40
	25-year			924.82	1.28
	50-year			924.91	1.19
	100-yer			925.02	1.08
NCL405	2-year	927.42	922.50	925.40	2.02
	5-year			926.45	0.97
	10-year			926.50	0.92
	25-year			926.54	0.88
	50-year			926.57	0.85
	100-yer			926.60	0.82
NCL4A01	2-year	926.01	921.46	924.38	1.63
	5-year			924.60	1.41
	10-year			924.70	1.31
	25-year			924.83	1.18
	50-year			924.92	1.09
	100-yer			925.02	0.99
NCL4B01	2-year	927.75	923.75	925.84	1.91
	5-year			925.90	1.85
	10-year			925.93	1.82
	25-year			925.96	1.79
	50-year			925.99	1.76
	100-yer			926.02	1.73
NCL4C01	2-year	926.46	921.46	924.46	2.00
	5-year			924.59	1.87
	10-year			924.70	1.76
	25-year			924.82	1.64
	50-year			924.91	1.55
	100-yer			925.02	1.44
NCL4D01	2-year	927.56	922.56	925.63	1.93
	5-year			926.70	0.86
	10-year			926.74	0.82
	25-year			926.79	0.77
	50-year			926.82	0.74
	100-yer			926.85	0.71
NCL500	2-year	916.12	906.12	908.65	7.47
	5-year			908.85	7.27
	10-year			908.93	7.19
	25-year			909.04	7.08
	50-year			909.11	7.01
	100-yer			909.19	6.93
NCL501	2-year	935.91	922.00	924.40	11.51
	5-year			924.61	11.30
	10-year			924.71	11.20
	25-year			924.80	11.11
	50-year			924.87	11.04
	100-yer			924.95	10.96

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCL502	2-year	934.00	924.00	924.79	9.21
	5-year			925.18	8.82
	10-year			925.42	8.58
	25-year			925.73	8.27
	50-year			925.96	8.04
	100-yer			926.24	7.76
NCL503	2-year	972.00	961.73	962.14	9.86
	5-year			962.32	9.68
	10-year			962.42	9.58
	25-year			962.54	9.46
	50-year			962.62	9.38
	100-yer			962.72	9.28
NCMC01	2-year	890.00	868.00	874.91	15.09
	5-year			876.45	13.55
	10-year			876.95	13.05
	25-year			878.08	11.92
	50-year			878.93	11.07
	100-yer			879.76	10.24
NCMC02	2-vear	899.08	877.70	884.66	14.42
	5-vear		0	886.23	12.85
	10-vear			886 74	12.34
	25-year			887.93	11.15
	50-year			888.88	10.20
	100-ver			889.86	9.22
NCMC03	2-vear	907.00	882 76	888.04	18.96
	5-vear		002.10	888.96	18.04
	10-vear			888.81	18.19
	25-year			889.87	17.13
	50-year			890.97	16.03
	100-ver			891.78	15.22
NCMC04	2-vear	907.00	882 89	888.08	18 92
	5-vear	007.00	002.00	889.02	17.98
	10-vear			888.90	18.10
	25-vear			889.95	17.05
	50-vear			891.04	15.00
	100-ver			891.86	15.30
NCMC05	2-vear	QU7 03	35 388	892.68	12 25
	2-year 5-year	304.33	000.00	803.45	11.23
	10-year			803 60	11.40
	25-vear			801 00	10.24
	50-vear			804.09	10.04
	100-ver			804.46	10.01
	2-vezr	001 88	880 88	207.40 205 10	6 20
	z-year 5-vear	301.00	009.00	205.49 205.01	5.04
	10-vear			2030.94 206 07	5.94
	25_veer			05.308	5.01
	50-vear			806.59	5.49
	100-ver			806.03	5.20
	roo-yei			090.00	5.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCMC07	2-year	904.69	894.60	898.34	6.35
	5-year			898.46	6.23
	10-year			899.22	5.47
	25-year			899.51	5.18
	50-year			899.74	4.95
	100-yer			899.99	4.70
NCMC08	2-year	907.00	894.65	898.97	8.03
	5-year			899.84	7.16
	10-year			900.54	6.46
	25-year			901.22	5.78
	50-year			901.85	5.15
	100-yer			902.44	4.56
NCMC09	2-year	910.00	897.35	903.25	6.75
	5-year			903.79	6.21
	10-year			903.98	6.02
	25-year			904.18	5.82
	50-year			904.29	5.71
	100-yer			904.44	5.56
NCMC10	2-year	910.00	899.37	903.68	6.32
	5-vear			904.46	5.54
	10-vear			904.76	5.24
	25-year			905.09	4.91
	50-year			905.36	4.64
	100-yer			905.64	4.36
NCMC11	2-vear	910.00	900.82	904.93	5.07
	5-vear			905.40	4.60
	10-vear			905.61	4.39
	25-vear			905.87	4.13
	50-vear			906.06	3.94
	100-ver			906.28	3.72
NCMC12	2-vear	913.00	903.48	907.35	5.65
	5-vear	010100	000110	907 76	5 24
	10-vear			907.92	5.09
	25-vear			908.10	4 90
	50-vear			908.23	4 77
	100-ver			908.41	4.59
NCMC13	2-vear	915.00	906 50	910.40	4 60
	5-vear	515.00	500.50	910.40	4.00
	10-vear			910.57	4.43
	25-vear			Q10.03	4.57
	50-vear			Q10.70	4.24 <u>1</u> 1
	100-ver			911 06	3 0/
	2-vezr	801 03	873 03	221 55	10.34
	z-year 5-vear	031.33	010.80	201.30 222.10	Q Q1
	10-year			2003.12 222.62	0.01 2 20
	25-vear			88/ 77	7 16
	50-vear			285 63	6 30
	100-ver			886 16	5 /7
	100-yei			000.40	0.47

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
NCMC15	2-year	896.33	874.00	888.25	8.08
	5-year			889.25	7.08
	10-year			889.59	6.74
	25-year			890.41	5.92
	50-year			891.05	5.28
	100-yer			891.70	4.63
POL102	2-year	925.09	919.01	919.39	5.70
	5-year			919.48	5.61
	10-year			919.52	5.57
	25-year			919.58	5.51
	50-year			919.62	5.47
	100-yer			919.67	5.42
POL103	2-year	926.32	920.49	921.73	4.59
	5-year			922.00	4.32
	10-year			922.11	4.21
	25-year			922.32	4.00
	50-year			922.48	3.84
	100-yer			922.75	3.57
POL104	2-year	927.00	921.92	922.83	4.17
	5-year			923.04	3.96
	10-year			923.13	3.87
	25-year			923.28	3.72
	50-year			923.43	3.57
	100-yer			923.68	3.32
POL105	2-year	932.05	927.30	928.58	3.47
	5-year			928.92	3.13
	10-year			929.07	2.98
	25-year			929.39	2.66
	50-year			930.20	1.85
	100-yer			931.09	0.96
POL106	2-year	932.55	928.38	929.02	3.53
	5-year			929.17	3.38
	10-year			929.29	3.26
	25-year			929.56	2.99
	50-year			930.08	2.47
	100-yer			931.29	1.26
POL107	2-year	934.28	930.49	931.59	2.69
	5-year			931.87	2.41
	10-year			931.99	2.29
	25-year			932.18	2.10
	50-year			932.30	1.98
	100-yer			932.46	1.82
POL108	2-year	934.57	931.07	932.73	1.84
	5-year			933.54	1.03
	10-year			933.66	0.91
	25-year			933.76	0.81
	50-year			933.81	0.76
	100-yer			933.89	0.68

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POL109	2-year	935.52	931.69	932.82	2.70
	5-year			933.81	1.71
	10-year			934.10	1.42
	25-year			934.38	1.14
	50-year			934.55	0.97
	100-yer			934.59	0.93
POL110	2-year	935.55	932.35	933.13	2.42
	5-year			933.80	1.75
	10-year			934.20	1.35
	25-year			934.63	0.92
	50-year			934.73	0.82
	100-yer			934.78	0.77
POL201	2-year	910.50	906.08	906.91	3.59
	5-year			907.05	3.45
	10-year			907.15	3.35
	25-year			907.39	3.11
	50-year			907.58	2.92
	100-yer			907.82	2.68
POL301	2-year	919.05	913.80	917.77	1.28
	5-year			917.93	1.12
	10-year			918.01	1.04
	25-year			918.11	0.94
	50-year			918.17	0.88
	100-yer			918.26	0.79
POL302	2-year	919.77	914.77	915.78	3.99
	5-year			916.18	3.59
	10-year			916.42	3.35
	25-year			916.72	3.05
	50-year			916.95	2.82
	100-yer			917.22	2.55
POL303	2-year	940.00	931.00	931.22	8.78
	5-year			931.27	8.73
	10-year			931.30	8.70
	25-year			931.33	8.67
	50-year			931.35	8.65
	100-yer			931.38	8.62
POL304	2-year	937.24	931.41	935.18	2.06
	5-year			936.41	0.83
	10-year			936.49	0.75
	25-year			936.56	0.68
	50-year			936.61	0.63
	100-yer			936.67	0.57
POL305	2-year	939.94	934.27	935.94	4.00
	5-year			938.34	1.60
	10-year			938.63	1.31
	25-year			938.99	0.95
	50-year			939.03	0.91
	100-yer			939.06	0.88

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POL306	2-year	942.07	939.07	939.78	2.29
	5-year			940.02	2.05
	10-year			940.18	1.89
	25-year			940.53	1.54
	50-year			940.73	1.34
	100-yer			941.10	0.97
POL401	2-year	935.00	927.31	928.22	6.78
	5-year			928.43	6.57
	10-year			928.56	6.44
	25-year			928.71	6.29
	50-year			928.84	6.16
	100-yer			928.97	6.03
POL402	2-year	935.53	927.31	928.22	7.31
	5-year			928.44	7.09
	10-year			928.56	6.97
	25-year			928.71	6.82
	50-year			928.84	6.69
	100-yer			928.97	6.56
POL403	2-year	936.12	930.70	932.05	4.07
	5-year			932.53	3.59
	10-year			934.25	1.87
	25-year			935.19	0.93
	50-year			935.24	0.88
	100-yer			935.29	0.83
POL404	2-year	937.42	932.17	933.56	3.86
	5-year			934.35	3.07
	10-year			936.48	0.94
	25-year			936.58	0.84
	50-year			936.61	0.81
	100-yer			936.65	0.77
POL405	2-year	938.15	933.15	934.57	3.58
	5-year			935.77	2.38
	10-year			937.30	0.85
	25-year			937.35	0.80
	50-year			937.38	0.77
	100-yer			937.41	0.74
POL406	2-year	930.00	927.31	928.22	1.78
	5-year			928.43	1.57
	10-year			928.56	1.44
	25-year			928.71	1.29
	50-year			928.84	1.16
	100-yer			928.97	1.03
POL501	2-year	930.20	925.70	926.74	3.46
	5-year			926.99	3.21
	10-year			927.12	3.08
	25-year			927.28	2.92
	50-year			927.39	2.81
	100-yer			927.52	2.68

Node Name Return Period Ground (feet) Invert Elevation (feet) Max Water Elevation (feet) Relative to Ground (feet) POL502 2-year 932.00 926.08 930.13 1.87 5-year 930.21 1.79 930.21 1.79 10-year 930.31 1.69 50-year 930.31 1.69 50-year 930.31 1.69 100-yer 930.31 1.69 50-year 930.21 2.59 100-yer 930.21 2.59 10-year 930.21 2.59 10-year 930.31 2.49 50-year 930.33 2.46 100-yer 930.34 2.46 100-yer 933.56 2.52 10-year 933.72 2.36 25-year 933.70 933.90 2.41 POL601 2-year 933.91 2.18 50-year 933.91 2.52 10-year 888.30 891.34 6.96						Max WSE
Node Name Return Period Elevation (feet) Elevation (feet) Ground (feet) POL502 2-year 932.00 926.08 930.13 1.87 5-year 930.25 1.75 930.25 1.75 25-year 930.31 1.68 10-year 930.33 1.66 100-yer 930.39 1.61 POL503 2-year 932.80 927.97 930.31 2.67 10-year 930.26 2.54 2.59 2.54 2.59 25-year 930.34 2.46 100-yea 930.34 2.46 100-year 930.35 2.54 2.59 2.54 25-year 930.375 932.64 3.44 5-year 933.30 2.41 POL601 2-year 933.30 2.18 50-year 933.90 2.18 5.9 10-year 934.14 1.94 POMC01 2-year 898.30 891.34 6.96 50-year			Ground	Invert	Max Water	Relative to
Name Period (feet) (feet) (feet) POL502 2-year 932.00 926.08 930.13 1.87 5-year 930.21 1.79 930.25 1.75 25-year 930.31 1.69 50-year 930.34 1.66 100-yer 930.39 1.61 POL503 2-year 932.80 927.97 930.13 2.67 5-year 930.21 2.59 1.61 2.59 1.61 POL503 2-year 930.31 2.49 30.34 2.46 100-yer 930.35 932.64 3.44 50-year 930.75 932.64 3.44 50-year 933.30 2.18 3.50 10-year 933.401 2.07 3.33.90 2.18 50-year 933.39 2.44 1.94 POMC01 2-year 898.30 881.34 6.96 50-year 898.30 881.34 6.96 10-ye	Node	Return	Elevation	Elevation	Elevation	Ground
POL502 2-year 932.00 926.08 930.13 1.87 10-year 930.21 1.75 25-year 930.31 1.68 50-year 930.34 1.66 100-yer 930.39 1.61 POL503 2-year 930.31 2.67 5-year 930.21 2.59 10-year 930.31 2.49 50-year 930.34 2.46 100-yer 930.39 2.41 5-year 930.34 2.46 100-yer 933.56 2.52 10-year 933.72 2.36 25-year 933.72 2.36 25-year 933.90 2.18 50-year 933.91 2.07 100-yer 933.401 2.07 100-yer 933.41 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 898.30 881.34 6.96 5.02 6.45	Name	Period	(feet)	(feet)	(feet)	(feet)
5-year 930.21 1.79 10-year 930.25 1.75 25-year 930.34 1.69 50-year 930.34 1.66 100-yer 930.39 1.61 POL503 2-year 930.21 2.59 10-year 930.21 2.59 10-year 930.26 2.54 25-year 930.33 2.49 50-year 930.39 2.41 POL601 2-year 930.39 2.41 POL601 2-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 933.90 2.18 50-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 881.34 6.96 50-year 892.64 5.66 5.02 5.02 10-year 892.85 5.02	POL502	2-year	932.00	926.08	930.13	1.87
10-year 930.25 1.75 25-year 930.31 1.69 50-year 930.33 1.66 100-yer 930.33 1.61 POL503 2-year 932.80 927.97 930.13 2.67 5-year 930.26 2.54 2.59 930.26 2.54 10-year 930.31 2.49 50-year 930.34 2.46 100-yer 930.34 2.44 5-year 933.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.90 2.18 50-year 933.90 2.18 50-year 933.00 2.18 50-year 898.30 891.34 6.96 5-year 898.30 888.30 891.34 6.96 5.92 100-year 892.98 5.32 100-year 892.84 5.66 50-year 893.28 5.02 POMC01 2-year 909.87 899.87 902.79 7.08<		5-year			930.21	1.79
25-year 930.31 1.69 100-yer 930.34 1.66 100-yer 930.39 1.61 POL503 2-year 932.80 927.97 930.13 2.67 5-year 930.21 2.59 10-year 930.26 2.54 25-year 930.31 2.49 930.34 2.46 100-yer 930.33 2.41 POL601 2-year 933.08 93.75 932.64 3.44 5-year 933.72 2.36 2.57 10-year 933.90 2.18 50-year 933.01 2.07 100-yer 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 891.34 6.96 5-year 892.16 6.14 2.5-year 892.64 5.66 50-year 892.85 5.32 100-yer 893.28 5.02 POMC01 2-year 909.87 899.87 902.18 7.69 50-year		10-year			930.25	1.75
50-year 930.34 1.66 100-yer 930.39 1.61 POL503 2-year 932.80 927.97 930.13 2.67 10-year 930.22 2.59 930.23 2.59 10-year 930.26 2.54 25-year 930.33 2.49 50-year 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.30 2.18 3.66 2.52 10-year 933.30 2.18 50-year 933.03 2.16 3.44 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 50-year 898.30 888.30 891.35 6.45 10-year 892.98 5.32 100-yer 893.28 5.02 100-yer 893.28 5.02 POMC02 2-year 909.87 890.87 902.18 7.69 5-year 902.97 7.08 25-year		25-year			930.31	1.69
100-yer 930.39 1.61 POL503 2-year 932.80 927.97 930.13 2.67 5-year 930.21 2.59 10-year 930.21 2.59 10-year 930.31 2.49 50-year 930.33 2.49 50-year 930.34 2.46 100-yer 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.30 2.18 50-year 933.90 2.18 50-year 933.01 2.07 100-yer 934.01 2.07 100-yer 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 881.30 891.34 6.96 5-year 892.16 6.14 25-year 892.64 5.66 50-year 892.87 902.18 7.69 5.32 10-year 892.87 902.59 7.28 10-year 902.97 6.90 5.50<		50-year			930.34	1.66
POL503 2-year 932.80 927.97 930.13 2.67 5-year 930.21 2.59 10-year 930.26 2.54 25-year 930.31 2.49 50-year 930.33 2.44 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.72 2.36 2.5 10-year 933.90 2.18 50-year 933.90 2.18 50-year 934.14 1.94 POMC01 2-year 898.30 888.30 891.85 6.45 10-year 892.64 5.66 5.5 6.45 10-year 892.64 5.66 50-year 892.83 891.85 6.45 1.0 902.79 7.08 5-year 892.64 5.66 5.0 5.02 7.28 7.28 7.28 10-year 902.79 7.08 25-year 902.79 7.08 25-year 902.40 906.40 6.00		100-yer			930.39	1.61
5-year 930.21 2.59 10-year 930.26 2.54 25-year 930.31 2.49 50-year 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.356 2.52 10-year 933.356 2.52 10-year 933.72 2.36 2.5-year 933.90 2.18 50-year 933.401 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.85 6.45 10-year 892.16 6.14 25-year 892.86 5.32 100-year 893.87 902.18 7.69 5.32 100-year 893.87 902.18 7.69 5-year 892.86 5.02 909.87 899.87 902.18 7.69 5-year 902.99 7.28 5.02 7.28 7.29 7.28 10-year 902.79 7.08 5.50	POL503	2-year	932.80	927.97	930.13	2.67
10-year 930.26 2.54 25-year 930.31 2.49 50-year 930.33 2.46 100-yer 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 933.01 2.07 100-yer 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 892.64 5.66 50-year 892.88 5.32 100-yer 893.79 902.18 7.08 5-year 909.87 899.87 902.59 7.28 10-year 902.97 7.08 25-year 902.97 6.90 5-year 902.90 9.5.50 10.79 9.03.10 6.77 100-yer 903.21 6.66 <t< td=""><td></td><td>5-year</td><td></td><td></td><td>930.21</td><td>2.59</td></t<>		5-year			930.21	2.59
25-year 930.31 2.49 50-year 930.34 2.46 100-yer 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 892.16 6.14 1.94 25-year 892.44 5.64 10-year 892.48 5.32 100-yer 893.28 5.02 100-yer 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 902.79 7.08 2.5-year 10-year 902.79 6.90 5.50 10-year 902.79 6.90 5.0-year 902.40 906.40 6.00 5.50 10-year 907.55 5.35 25-year 902.90		10-year			930.26	2.54
50-year 930.34 2.46 100-yer 930.33 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.56 2.52 10-year 933.72 2.36 10-year 933.90 2.18 50-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 891.85 6.45 10-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.59 7.28 10-year 902.97 6.90 5.50 10-year 902.97 6.90 50-year 902.40 906.40 6.00 5.50 10-year 907.55 5.35 25-year		25-year			930.31	2.49
100-yer 930.39 2.41 POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 892.16 6.14 25-year 892.64 5.66 50-year 892.88 5.32 10-year 892.88 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.68 50-year 902.79 7.08 25-year 902.79 7.08 25-year 909.87 899.87 902.18 6.67 10-year 902.79 7.08 25-year 902.97 6.90 50-year 902.90 906.40 6.00 5.50 <td< td=""><td></td><td>50-year</td><td></td><td></td><td>930.34</td><td>2.46</td></td<>		50-year			930.34	2.46
POL601 2-year 936.08 930.75 932.64 3.44 5-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 892.64 5.64 5.45 6.45 6.45 10-year 892.83 893.28 5.02 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.79 7.08 25-year 902.97 6.90 5.50 10-year 902.97 6.90 50-year 902.97 903.21 6.66 600 5.92 7.28 10.677 100-year 907.51 4.89 POMC03 2-year 912.40 902.40		100-yer			930.39	2.41
5-year 933.56 2.52 10-year 933.72 2.36 25-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 898.30 888.30 891.35 6.45 10-year 892.16 6.14 25-year 892.64 5.66 50-year 892.88 5.32 10-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.97 6.90 50-year 902.97 6.90 5.50 10-year 902.97 6.90 50-year 912.40 902.40 906.40 6.00 5.90 50-year 912.40 902.40 906.40 6.00 5.50 10-year 907.05 5.35 25-year <	POL601	2-year	936.08	930.75	932.64	3.44
10-year 933.72 2.36 25-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 881.30 891.34 6.96 5-year 898.30 883.30 891.34 6.96 5-year 892.16 6.14 25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.59 7.28 10-year 902.79 7.08 25-year 902.97 6.90 50-year 902.97 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5.9 10-year 907.05 5.35 25-year 907.34 5.06		5-year			933.56	2.52
25-year 933.90 2.18 50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 891.85 6.45 6.45 6.14 25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 902.87 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.97 6.90 50-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 600 5.90 5.50 10-year 907.05 5.35 25-year 912.40 902.40 906.40 6.00 5.90 5-year 907.05 5.35 25-year 907.34 5.06 10-year 907.34 5.06 907.35 3.95 <		10-year			933.72	2.36
50-year 934.01 2.07 100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 891.85 6.45 10-year 892.16 6.14 25-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.79 7.08 25-year 902.97 6.90 5-year 902.97 9.03.01 6.77 100-year 903.10 6.77 100-year 902.40 906.40 6.00 5.90 5.50 10.9year 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.34 5.06 10-year 907.34 5.06 10-year 907.31 3.77 25-year 907.37<		25-year			933.90	2.18
100-yer 934.14 1.94 POMC01 2-year 898.30 888.30 891.34 6.96 5-year 892.16 6.14 25-year 892.16 6.14 25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.79 7.08 25-year 902.79 7.08 25-year 902.97 6.90 50-year 902.97 6.90 5.01 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 903.21 6.66 6.00 5.50 10-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 10-year 907.31 3.77 25.92 5.95 907.35 3.95		50-year			934.01	2.07
POMC01 2-year 898.30 888.30 891.34 6.96 5-year 891.85 6.45 10-year 892.16 6.14 25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.79 7.08 25-year 902.97 6.90 50-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 600 50-year 902.40 906.40 6.00 50-year 912.40 902.40 906.40 6.00 5.99 5.35 25-year 907.05 5.35 25-year 907.34 5.06 10-year 907.34 5.06 907.35 5.35 5.18 50-year 907.31 3.77 25-year 907.37 3.53 50-year 907.30 3.53		100-yer			934.14	1.94
5-year 891.85 6.45 10-year 892.16 6.14 25-year 892.64 5.66 50-year 893.28 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 902.79 7.08 25-year 902.97 6.90 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 902.97 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.34 5.06 10-year 907.34 5.06 100-year 907.31 3.77 25-year 907.37 3.53 10-year 907.37 3.53 50-year 907.37 3.53 10-year	POMC01	2-year	898.30	888.30	891.34	6.96
10-year 892.16 6.14 25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 10-year 902.79 7.08 25-year 902.97 6.90 5.7 10.9 903.10 6.77 10-year 902.40 906.40 6.00 5-year 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.22 5.18 50.6 50.9 50.6 10-year 907.34 5.06 50.9 50.5 50.5 25-year 907.31 3.77 2.5 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.37 3.53		5-year			891.85	6.45
25-year 892.64 5.66 50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 902.79 7.08 25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.34 5.06 10-year 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.37 3.53 50-year 907.37 3.53 10-year 907.37 3.53 50-year 907.81 3.09 POMC05 <td></td> <td>10-year</td> <td></td> <td></td> <td>892.16</td> <td>6.14</td>		10-year			892.16	6.14
50-year 892.98 5.32 100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 902.79 7.08 25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.05 5.35 25-year 907.34 5.06 100-yer 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.31 3.77 25-year 907.33 3.73 10-year 910.90 902.90 906.44 4.46 5-year 907.31 3.77 25-year 907.31 3.77		25-year			892.64	5.66
100-yer 893.28 5.02 POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 902.79 7.08 10-year 902.79 7.08 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.37 3.53 5.05 3.95 10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.81 3.09 907.81 3.09 POMC05 2-year 907.66 3.34 100-year <td></td> <td>50-year</td> <td></td> <td></td> <td>892.98</td> <td>5.32</td>		50-year			892.98	5.32
POMC02 2-year 909.87 899.87 902.18 7.69 5-year 902.59 7.28 902.79 7.08 25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.13 3.77 25-year 907.37 3.53 10-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 <td></td> <td>100-yer</td> <td></td> <td></td> <td>893.28</td> <td>5.02</td>		100-yer			893.28	5.02
5-year 902.59 7.28 10-year 902.79 7.08 25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 25-year 907.05 5.35 25-year 907.05 5.35 25-year 907.34 5.06 10-year 907.34 5.06 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.51 4.89 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.51 4.89 907.33 3.77 25-year 910.90 902.90 906.44 4.46 5-year 907.37 3.53 50-year 907.37 3.53 50-year 907.81 3.09	POMC02	2-year	909.87	899.87	902.18	7.69
10-year 902.79 7.08 25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 906.90 5.50 10-year 907.05 5.35 25-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 907.37 3.53 5.95 10-year 907.37 3.53 5.55 10-year 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 10-year 907.39 6.61 10-year 907.39 6.61 50-year		5-year			902.59	7.28
25-year 902.97 6.90 50-year 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 907.05 5.35 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.13 3.77 25-year 907.37 3.53 10-year 907.37 3.53 50-year 907.37 3.53 50-year 907.37 3.53 50-year 907.36 3.34 100-yer 907.81 3.09 907.05 6.95 10-year 914.00 906.00 906.91 7.09 5-year 907.39 6.61 50-year 907.39 6.61 50-year 907.58 6.42		10-year			902.79	7.08
50-year 903.10 6.77 100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 906.90 5.50 907.05 5.35 25-year 907.05 5.35 5.9 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 907.51 4.89 907.13 3.77 25-year 907.37 3.53 50-year 907.37 3.53 50-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 907.05 6.95 10-year 914.00 906.00 906.91 7.09 5-year 907.14 6.86 25-year 907.39 6.61 10-year 907.58 6.42 907.58 6.42		25-year			902.97	6.90
100-yer 903.21 6.66 POMC03 2-year 912.40 902.40 906.40 6.00 5-year 906.90 5.50 10-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 907.13 3.77 25-year 907.37 3.53 10-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.39 6.61 50-year 907.39 6.61 50-year 907.58 6.42 907.82 6.18 <		50-year			903.10	6.77
POMC03 2-year 912.40 902.40 906.40 6.00 5-year 906.90 5.50 10-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 907.13 3.77 25-year 907.37 3.53 10-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 907.05 6.95 10-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 10-year 907.39 6.61 50-year 907.58 6.42 907.58 6.42 100-yer 907.82 6.18 907.82		100-yer			903.21	6.66
5-year 906.90 5.50 10-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 910.90 902.90 906.44 4.46 5-year 907.13 3.77 25-year 907.37 3.53 50-year 907.37 3.53 50-year 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5-year 907.39 6.61 6.86 25-year 907.39 6.61 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.58 6.42 907.82 6.18	POMC03	2-year	912.40	902.40	906.40	6.00
10-year 907.05 5.35 25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 906.95 3.95 10-year 907.31 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 6.95 10-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82		5-vear			906.90	5.50
25-year 907.22 5.18 50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 906.95 3.95 3.95 10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 6.95 10-year 907.05 6.95 6.95 6.95 6.61 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.58 6.42 100-yer 907.82 6.18		10-year			907.05	5.35
50-year 907.34 5.06 100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 906.95 3.95 3.95 3.95 10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5-year 907.39 6.61 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.58 6.42 100-yer 907.82 6.18		25-year			907.22	5.18
100-yer 907.51 4.89 POMC04 2-year 910.90 902.90 906.44 4.46 5-year 906.95 3.95 3.95 10-year 907.13 3.77 25-year 907.56 3.34 100-yer 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5.99 10-year 907.05 6.95 10-99 907.14 6.86 25-year 907.39 6.61 50-99 907.58 6.42 100-yer 907.58 6.42 100-99 907.82 6.18		50-vear			907.34	5.06
POMC04 2-year 910.90 902.90 906.44 4.46 5-year 906.95 3.95 10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5.99 10-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.58 6.42 100-yer 907.82 6.18		100-yer			907.51	4.89
5-year 906.95 3.95 10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18 6.18	POMC04	2-vear	910.90	902.90	906.44	4.46
10-year 907.13 3.77 25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.66 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18 6.18 6.18 6.18		5-year			906.95	3.95
25-year 907.37 3.53 50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 914.00 906.00 906.91 7.09 5.99 5-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18 6.18 6.18 6.18 6.18		10-year			907.13	3.77
50-year 907.56 3.34 100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18 907.82 6.18		25-vear			907.37	3.53
100-yer 907.81 3.09 POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18		50-year			907.56	3.34
POMC05 2-year 914.00 906.00 906.91 7.09 5-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18		100-ver			907.81	3.09
5-year 907.05 6.95 10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18	POMC05	2-vear	914.00	906.00	906.91	7.09
10-year 907.14 6.86 25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18		5-vear			907.05	6.95
25-year 907.39 6.61 50-year 907.58 6.42 100-yer 907.82 6.18		10-vear			907.14	6.86
50-year 907.58 6.42 100-yer 907.82 6.18		25-vear			907.39	6.61
100-yer 907.82 6.18		50-vear			907.58	6.42
		100-yer			907.82	6.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
POMC06	2-year	915.00	908.31	909.89	5.12
	5-year			910.11	4.89
	10-year			910.23	4.77
	25-year			910.47	4.53
	50-year			910.61	4.39
	100-yer			910.75	4.25
POMC07	2-year	918.60	908.60	910.37	8.23
	5-year			910.70	7.90
	10-year			910.91	7.69
	25-year			911.63	6.97
	50-year			912.18	6.42
	100-yer			912.89	5.71
POMC08	2-year	919.60	909.60	911.24	8.36
	5-year			911.49	8.11
	10-year			911.69	7.91
	25-year			912.14	7.46
	50-year			912.49	7.11
	100-yer			913.04	6.56
POMC09	2-year	916.47	910.30	912.30	4.17
	5-year			912.79	3.68
	10-year			913.10	3.37
	25-year			914.05	2.42
	50-year			914.76	1.71
	100-yer			915.15	1.32
POMC10	2-year	919.00	911.46	913.13	5.87
	5-year			913.33	5.67
	10-year			913.52	5.48
	25-year			914.15	4.85
	50-year			914.80	4.20
	100-yer			915.19	3.81
POMC11	2-year	919.60	911.60	913.17	6.43
	5-year			913.38	6.22
	10-year			913.61	5.99
	25-year			914.24	5.36
	50-year			914.96	4.64
	100-yer			915.47	4.13
POMC12	2-year	920.00	912.00	913.25	6.75
	5-year			913.53	6.47
	10-year			913.91	6.09
	25-year			914.45	5.55
	50-year			915.08	4.92
	100-yer			915.55	4.45
POMC13	2-year	922.14	912.14	915.41	6.73
	5-year			916.42	5.72
	10-year			916.72	5.42
	25-year			917.01	5.13
	50-year			917.22	4.92
	100-yer			917.43	4.71

Node Name Return Period Ground Elevation (feet) Invert Elevation (feet) Max Water Elevation (feet) Relative Ground (feet) POMC14 2-year 935.00 921.14 921.60 13. 5-year 921.72 13. 10-year 921.78 13. 25-year 921.86 13. 50-year 921.91 13. 100-yer 921.93 13. 100-yer 926.51 3. 5-year 926.71 3. 100-year 926.71 3. 25-year 926.81 3. 25-year 926.93 3. 50-year 927.11 2. 100-yer 927.11 2. POMC16 2-year 934.14 926.50 927.44 6 50-year 927.92 6. 10-year 927.92 6.
Node Name Return Period Elevation (feet) Elevation (feet) Elevation (feet) Ground (feet) POMC14 2-year 935.00 921.14 921.60 13. 5-year 921.72 13. 10-year 921.73 13. 25-year 921.86 13. 50-year 921.91 13. 100-yer 921.91 13. 100-yer 921.93 13. 100-yer 926.51 3. 5-year 926.71 3. 10-year 926.81 3. 25-year 926.93 3. 50-year 927.01 2. 100-yer 927.01 2. 100-yer 927.11 2. POMC16 2-year 934.14 926.50 927.44 5-year 927.63 6. 10-year </th
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50-year 936.40 0.
100-yer 936.47 0.
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5-year 936.18 0.
10-year 936.25 0.
25-year 936.34 0.
50-year 936.40 0.
100-yer 936.47 0.
PRL101 2-year 890.00 878.04 878.46 11
5-vear 878.58 11.
10-year 878.95 11
25-year 879.40 10
50-year 879.65 10.
100-ver 880.04 9
PRL102 2-year 891.00 878.67 880.48 10
5-year 881 10 9
10-year 881 49 9
25-year 882 18 8
50-year 883 49 7
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					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL103	2-year	891.08	879.50	880.64	10.44
	5-year			881.25	9.83
	10-year			881.49	9.59
	25-year			882.21	8.87
	50-year			883.53	7.55
	100-yer			890.16	0.92
PRL104	2-year	893.48	883.91	884.81	8.67
	5-year			884.97	8.51
	10-year			885.13	8.35
	25-year			885.28	8.20
	50-year			885.38	8.10
	100-yer			891.45	2.03
PRL105	2-year	893.51	884.74	885.63	7.88
	5-year			885.82	7.69
	10-year			885.92	7.59
	25-year			886.06	7.45
	50-year			886.16	7.35
	100-yer			891.57	1.94
PRL106	2-year	893.65	886.82	887.79	5.86
	5-year			888.02	5.63
	10-year			888.17	5.48
	25-year			888.37	5.28
	50-year			888.55	5.10
	100-yer			892.72	0.93
PRL107	2-year	893.71	887.31	888.43	5.28
	5-year			888.70	5.01
	10-year			888.87	4.84
	25-year			889.13	4.58
	50-year			889.46	4.25
	100-yer			892.96	0.75
PRL201	2-year	889.00	877.77	879.45	9.55
	5-year			879.81	9.19
	10-year			880.00	9.00
	25-year			880.22	8.78
	50-year			880.36	8.64
	100-yer			880.55	8.45
PRL202	2-year	889.00	879.90	882.08	6.92
	5-year			882.79	6.21
	10-vear			883.17	5.83
	25-vear			883.65	5.35
	50-year			883.98	5.02
	100-ver			884.40	4.60
PRL203	2-vear	894.00	881.77	884.14	9.86
	5-vear			884.63	9.37
	10-vear			884.81	9.19
	25-vear			885.03	8.97
	50-year			885.25	8.75
	100-ver			885.55	8.45
	i oo-yei			000.00	0.40

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL204	2-year	894.00	888.86	890.30	3.70
	5-year			890.60	3.40
	10-year			890.75	3.25
	25-year			890.93	3.07
	50-year			891.10	2.90
	100-yer			891.28	2.72
PRL205	2-year	894.29	889.04	890.50	3.79
	5-year			890.79	3.50
	10-year			890.94	3.35
	25-year			891.11	3.18
	50-year			891.25	3.04
	100-yer			891.42	2.87
PRL206	2-year	895.21	889.96	891.32	3.89
	5-year			891.70	3.51
	10-year			891.90	3.31
	25-year			892.16	3.05
	50-year			892.34	2.87
	100-yer			892.56	2.65
PRL207	2-year	897.00	891.00	892.60	4.40
	5-year			892.88	4.12
	10-year			893.03	3.97
	25-year			893.20	3.80
	50-year			893.33	3.67
	100-yer			893.48	3.52
PRL208	2-year	900.83	893.42	895.84	4.99
	5-year			896.70	4.13
	10-year			897.58	3.25
	25-year			899.08	1.75
	50-year			899.20	1.63
	100-yer			899.33	1.50
PRL209	2-year	900.89	893.97	899.47	1.42
	5-year			899.76	1.13
	10-year			899.93	0.96
	25-year			900.15	0.74
	50-year			900.26	0.63
	100-yer			900.41	0.48
PRL210	2-vear	902.78	895.57	901.25	1.53
	5-year			901.42	1.36
	10-year			901.50	1.28
	25-year			901.61	1.17
	50-year			901.69	1.09
	100-yer			901.78	1.00
PRL211	2-year	902.83	895.58	901.55	1.28
	5-year			901.78	1.05
	10-year			901.91	0.92
	25-vear			902.06	0.77
	50-year			902.17	0.66
	100-yer			902.32	0.51

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL212	2-year	904.26	897.68	902.76	1.50
	5-year			902.92	1.34
	10-year			903.01	1.25
	25-year			903.12	1.14
	50-year			903.20	1.06
	100-yer			903.29	0.97
PRL213	2-year	904.62	898.20	902.98	1.64
	5-year			903.13	1.49
	10-year			903.22	1.40
	25-year			903.33	1.29
	50-year			903.40	1.22
	100-yer			903.50	1.12
PRL214	2-year	911.73	906.73	911.01	0.72
	5-year			911.12	0.61
	10-year			911.18	0.55
	25-year			911.26	0.47
	50-year			911.31	0.42
	100-yer			911.37	0.36
PRL215	2-year	913.56	907.39	911.89	1.67
	5-year			912.02	1.54
	10-year			912.09	1.47
	25-year			912.17	1.39
	50-year			912.23	1.33
	100-yer			912.30	1.26
PRL216	2-year	913.69	907.69	912.24	1.45
	5-year			912.40	1.30
	10-year			912.48	1.21
	25-year			912.58	1.11
	50-year			912.65	1.04
	100-yer			912.74	0.95
PRL217	2-year	916.99	909.24	915.17	1.82
	5-year			915.26	1.73
	10-year			915.31	1.68
	25-year			915.37	1.62
	50-year			915.41	1.58
	100-yer			915.46	1.53
PRL218	2-year	917.39	910.72	916.48	0.91
	5-year			916.57	0.82
	10-year			916.61	0.78
	25-year			916.66	0.73
	50-year			916.70	0.69
	100-yer			916.74	0.65
PRL2A01	2-year	912.97	909.14	912.12	0.85
	5-year			912.19	0.78
	10-year			912.22	0.75
	25-year			912.27	0.70
	50-year			912.30	0.67
	100-yer			912.34	0.63

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRL301	2-year	907.00	901.92	905.29	1.71
	5-year			905.67	1.33
	10-year			905.82	1.18
	25-year			906.00	1.00
	50-year			906.12	0.88
	100-yer			906.26	0.74
PRL302	2-year	907.29	902.29	905.65	1.64
	5-year			905.86	1.43
	10-year			905.98	1.31
	25-year			906.13	1.16
	50-year			906.23	1.06
	100-yer			906.35	0.94
PRL303	2-year	912.12	904.79	907.99	4.13
	5-year			910.20	1.92
	10-year			910.30	1.82
	25-year			910.39	1.73
	50-year			910.45	1.67
	100-yer			910.51	1.61
PRL304	2-year	911.16	904.94	908.89	2.27
	5-year			910.65	0.51
	10-year			910.74	0.42
	25-year			910.84	0.32
	50-year			910.91	0.25
	100-yer			911.00	0.16
PRL305	2-year	912.93	907.35	909.12	3.81
	5-year			911.82	1.11
	10-year			912.05	0.88
	25-year			912.16	0.77
	50-year			912.23	0.70
	100-yer			912.30	0.63
PRL306	2-year	913.29	908.21	908.71	4.58
	5-year			908.81	4.48
	10-year			908.86	4.43
	25-year			908.93	4.36
	50-year			908.97	4.32
	100-yer			909.04	4.25
PRL307	2-year	918.11	913.61	914.12	3.99
	5-year			914.22	3.89
	10-year			914.28	3.83
	25-year			914.35	3.76
	50-year			914.40	3.71
	100-yer			914.46	3.65
PRL401	2-year	927.67	923.25	923.81	3.86
	5-year			923.92	3.75
	10-year			923.98	3.69
	25-year			924.05	3.62
	50-year			924.10	3.57
	100-yer			924.17	3.50

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC00	2-year	874.00	861.41	863.85	10.15
	5-year			864.46	9.54
	10-year			864.75	9.25
	25-year			865.05	8.95
	50-year			865.23	8.77
	100-yer			865.46	8.54
PRMC01	2-year	905.00	869.97	872.41	32.59
	5-year			873.03	31.97
	10-year			873.31	31.69
	25-year			873.63	31.37
	50-year			873.79	31.21
	100-yer			874.03	30.97
PRMC02	2-year	905.00	871.81	874.16	30.84
	5-year			875.02	29.98
	10-year			875.44	29.56
	25-year			875.91	29.09
	50-year			876.17	28.83
	100-yer			876.55	28.45
PRMC03	2-year	905.00	873.16	875.52	29.48
	5-year			876.39	28.61
	10-year			876.83	28.17
	25-year			877.34	27.66
	50-year			877.63	27.37
	100-yer			878.04	26.96
PRMC04	2-year	905.08	874.91	877.28	27.80
	5-year			878.14	26.94
	10-year			878.59	26.49
	25-year			879.12	25.96
	50-year			879.42	25.66
	100-yer			879.86	25.22
PRMC05	2-year	888.00	875.00	877.83	10.17
	5-year			878.58	9.42
	10-year			878.95	9.05
	25-year			879.39	8.61
	50-year			879.65	8.35
	100-yer			880.03	7.97
PRMC06	2-vear	889.00	876.00	877.79	11.21
	5-year			878.54	10.46
	10-year			878.91	10.09
	25-year			879.35	9.65
	50-year			879.61	9.39
	100-yer			880.00	9.00
PRMC07	2-year	889.00	878.81	880.92	8.08
-	5-year			881.28	7.72
	10-year			881.46	7.54
	25-year			881.65	7.35
	50-year			881.77	7.23
	100-yer			882.01	6.99

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC08	2-year	891.00	881.40	882.64	8.36
	5-year			882.90	8.10
	10-year			883.04	7.96
	25-year			883.10	7.90
	50-year			883.16	7.84
	100-yer			883.28	7.72
PRMC09	2-year	892.00	883.33	886.00	6.00
	5-year			886.78	5.22
	10-year			887.77	4.23
	25-year			889.12	2.88
	50-year			889.97	2.03
	100-yer			890.52	1.48
PRMC10	2-year	893.04	885.04	886.88	6.16
	5-year			887.57	5.47
	10-year			888.52	4.52
	25-year			890.20	2.84
	50-year			890.82	2.22
	100-yer			891.20	1.84
PRMC11	2-vear	894.56	886.56	888.84	5.72
	5-vear			889.20	5.36
	10-vear			889.26	5.30
	25-vear			890.29	4.27
	50-vear			890.86	3.70
	100-ver			891.23	3.33
PRMC12	2-vear	892.00	887.00	890.43	1.57
	5-vear			890.83	1.17
	10-vear			890.99	1.01
	25-vear			891.23	0.77
	50-vear			891.40	0.60
	100-ver			891.57	0.43
PRMC13	2-vear	894.00	887 24	890 43	3 57
	5-vear	004.00	007.24	890.83	3 17
	10-vear			891.00	3.00
	25-vear			891.23	2.30
	50-vear			891.20	2.0
	100-ver			891.57	2.00
PRMC14	2-vear	894 00	887 37	801.25	2.40
1 1 1 1 1 1 1 1 1	5-vear	0.04.00	007.07	801.20	2.73
	10-vear			802.12	1 87
	25-vear			802.13	1.07
	50-vear			802.07	1.43
	100-vor			803 33	0.7
	2-VA2r	800 00	880 60	Q01 Q1	7 10
	∠-year 5-vear	033.00	009.00	207.00	۲.19 ۵۵7
	0-year 10-vear			202.33 202.50	0.07 6./1
	25-voor			092.09 802.04	0.41
	20-year			092.94	
	100-year			093.19	5.01 5.60
	roo-yer			093.50	5.50

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
PRMC16	2-year	910.00	899.57	902.30	7.70
	5-year			902.90	7.10
	10-year			903.24	6.76
	25-year			903.64	6.36
	50-year			903.95	6.05
	100-yer			904.33	5.67
PRMC17	2-year	914.36	909.36	910.23	4.13
	5-year			910.37	3.99
	10-year			910.44	3.92
	25-year			910.53	3.83
	50-year			910.59	3.77
	100-yer			910.66	3.70
PRMC18	2-year	914.00	909.50	913.50	0.50
	5-year			913.65	0.35
	10-year			913.73	0.27
	25-year			913.83	0.17
	50-year			913.89	0.11
	100-yer			913.98	0.02
PRMC19	2-year	914.45	909.95	913.92	0.53
	5-year			914.04	0.41
	10-year			914.11	0.34
	25-year			914.20	0.25
	50-year			914.26	0.19
	100-yer			914.34	0.11
PRMC20	2-year	925.04	919.87	924.16	0.88
	5-year			924.22	0.82
	10-year			924.25	0.79
	25-year			924.29	0.75
	50-year			924.31	0.73
	100-yer			924.34	0.70
PRMC21	2-year	926.35	921.60	925.38	0.97
	5-year			925.47	0.88
	10-year			925.51	0.84
	25-year			925.55	0.80
	50-year			925.58	0.77
	100-yer			925.61	0.74
PRMC22	2-year	926.37	922.45	925.38	0.99
	5-year			925.47	0.90
	10-year			925.51	0.86
	25-year			925.55	0.82
	50-year			925.58	0.79
	100-yer			925.61	0.76
RCL0101	2-year	902.07	882.07	883.81	18.26
	5-year			885.75	16.32
	10-year			887.10	14.97
	25-year			888.88	13.19
	50-year			889.99	12.08
	100-yer			891.47	10.60

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0102	2-year	893.53	883.53	885.96	7.57
	5-year			886.57	6.96
	10-year			887.13	6.40
	25-year			888.89	4.64
	50-year			890.00	3.53
	100-yer			891.47	2.06
RCL0103	2-year	893.86	883.86	885.97	7.89
	5-year			886.57	7.29
	10-year			887.13	6.73
	25-year			888.89	4.97
	50-year			890.00	3.86
	100-yer			891.47	2.39
RCL0104	2-year	903.38	895.38	895.87	7.51
	5-year			895.98	7.40
	10-year			896.05	7.33
	25-year			896.12	7.26
	50-year			896.17	7.21
	100-yer			896.23	7.15
RCL0105	2-year	901.57	895.91	900.09	1.48
	5-year			900.31	1.26
	10-year			900.42	1.15
	25-year			900.56	1.01
	50-year			900.65	0.92
	100-yer			900.78	0.79
RCL0106	2-year	902.30	896.55	900.50	1.80
	5-year			900.62	1.68
	10-year			900.67	1.63
	25-year			900.74	1.56
	50-year			900.82	1.48
	100-yer			900.92	1.38
RCL0107	2-year	903.54	898.62	902.61	0.93
	5-vear			902.73	0.81
	10-year			902.78	0.76
	25-year			902.84	0.70
	50-year			902.88	0.66
	100-yer			902.93	0.61
RCL0108	2-year	904.40	899.48	902.96	1.44
	5-vear			903.12	1.28
	10-year			903.19	1.21
	25-vear			903.29	1.11
	50-year			903.35	1.05
	100-yer			903.44	0.96
RCL0109	2-year	913.93	906.10	911.10	2.83
	5-year			911.16	2.77
	10-year			911.20	2.73
	25-vear			911.23	2.70
	50-year			911.26	2.67
	100-yer			911.29	2.64

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0110	2-year	913.65	907.15	911.73	1.92
	5-year			911.81	1.84
	10-year			911.85	1.80
	25-year			911.90	1.75
	50-year			911.93	1.72
	100-yer			911.96	1.69
RCL0111	2-year	913.81	908.81	912.98	0.83
	5-year			913.07	0.74
	10-year			913.11	0.70
	25-year			913.16	0.65
	50-year			913.19	0.62
	100-yer			913.23	0.58
RCL0112	2-year	919.23	914.23	916.07	3.16
	5-year			918.28	0.95
	10-year			918.32	0.91
	25-year			918.36	0.87
	50-year			918.39	0.84
	100-yer			918.42	0.81
RCL0113	2-year	919.81	914.81	916.68	3.13
	5-year			918.93	0.88
	10-year			918.97	0.84
	25-year			919.01	0.80
	50-year			919.04	0.77
	100-yer			919.08	0.73
RCL01A01	2-year	900.00	890.65	890.99	9.01
	5-year			891.06	8.94
	10-year			891.10	8.90
	25-year			891.13	8.87
	50-year			891.14	8.86
	100-yer			891.48	8.52
RCL01A02	2-year	898.24	890.82	892.78	5.46
	5-year			893.16	5.08
	10-year			893.39	4.85
	25-year			893.73	4.51
	50-year			894.02	4.22
	100-yer			894.36	3.88
RCL01A03	2-year	898.90	890.98	892.97	5.93
	5-year			893.30	5.60
	10-year			893.47	5.43
	25-year			893.80	5.10
	50-year			894.08	4.82
	100-yer			894.48	4.42
RCL01A04	2-year	899.10	891.03	893.60	5.50
	5-year			894.13	4.97
	10-year			894.39	4.71
	25-year			894.68	4.42
	50-year			894.93	4.17
	100-yer			895.97	3.13

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL01A05	2-year	898.50	891.08	893.60	4.90
	5-year			894.13	4.37
	10-year			894.39	4.11
	25-year			894.68	3.82
	50-year			894.93	3.57
	100-yer			895.97	2.53
RCL01A06	2-year	902.18	891.18	894.61	7.57
	5-year			896.00	6.18
	10-year			896.69	5.49
	25-year			897.49	4.69
	50-year			898.10	4.08
	100-yer			898.48	3.70
RCL01A07	2-year	911.00	900.00	900.53	10.47
	5-year			900.66	10.34
	10-year			900.71	10.29
	25-year			900.78	10.22
	50-year			900.83	10.17
	100-yer			900.89	10.11
RCL01A08	2-vear	904.78	900.09	904.17	0.61
	5-vear			904.37	0.41
	10-vear			904.46	0.32
	25-vear			904.57	0.21
	50-vear			904.65	0.13
	100-ver			904.75	0.03
RCL01A09	2-vear	918.66	900.39	908.77	9.89
	5-vear			908.88	9.78
	10-vear			908.93	9.73
	25-vear			908.98	9.68
	50-vear			909.02	9.64
	100-ver			909.07	9.59
RCI 01A10	2-vear	916 30	900 72	909.05	7 25
	5-vear	010.00	000.72	909.22	7.20
	10-vear			900.22	6 Q7
	25-vear			009.00 000 15	6 85
	50-vear			000.40 000 53	6 77
	100-ver			909.55 909.64	6 66
	2-voor	010 66	001 66	000.04	1 61
NOLUTATI	∠-year 5-vear	310.00	301.00	000.01	1.01
	J-year			909.21	1.45
	25-voor			000.41	1.30
	20-year			000.41	1.20
	100-year			000.49	1.17
	2-veor	011 00	004 00	303.00 000.05	1.00
	Z-yedi	911.00	904.68	909.05	2.03
	J-year			909.20 000.40	2.02
	25 year			909.42 000 FP	2.40
	20-year			909.38	∠.30
	100 year			909.70	2.18
	roo-yer			909.84	2.04

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL01B01	2-year	912.36	906.86	911.20	1.16
	5-year			911.29	1.07
	10-year			911.33	1.03
	25-year			911.39	0.97
	50-year			911.43	0.93
	100-yer			911.48	0.88
RCL0201	2-year	895.83	881.83	884.58	11.25
	5-year			885.89	9.95
	10-year			886.38	9.45
	25-year			887.01	8.82
	50-year			887.41	8.42
	100-yer			887.96	7.87
RCL0202	2-year	899.34	892.34	893.36	5.98
	5-year			893.58	5.76
	10-year			893.75	5.59
	25-year			894.08	5.26
	50-year			894.25	5.09
	100-yer			894.47	4.87
RCL0203	2-year	901.26	894.76	895.95	5.31
	5-year			896.16	5.10
	10-year			896.43	4.83
	25-year			896.82	4.44
	50-year			897.01	4.25
	100-yer			897.25	4.01
RCL0204	2-year	912.50	907.00	911.61	0.89
	5-year			911.66	0.84
	10-year			911.74	0.76
	25-year			911.82	0.68
	50-year			911.87	0.63
	100-yer			911.93	0.57
RCL0205	2-year	912.90	907.51	912.13	0.77
	5-year			912.20	0.70
	10-year			912.31	0.59
	25-year			912.43	0.47
	50-year			912.49	0.41
	100-yer			912.57	0.33
RCL0206	2-year	912.93	908.35	912.33	0.60
	5-year			912.43	0.50
	10-year			912.56	0.37
	25-year			912.71	0.22
	50-year			912.79	0.14
	100-yer			912.89	0.04
RCL0207	2-year	914.77	908.61	913.43	1.34
	5-year			913.79	0.98
	10-year			913.95	0.82
	25-year			914.02	0.75
	50-year			914.06	0.71
	100-yer			914.11	0.66

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0208	2-year	927.98	916.73	919.36	8.62
	5-year			922.45	5.53
	10-year			925.12	2.87
	25-year			925.19	2.79
	50-year			925.23	2.75
	100-yer			925.28	2.70
RCL0209	2-year	926.46	919.13	923.48	2.98
	5-year			925.17	1.29
	10-year			925.42	1.04
	25-year			925.50	0.96
	50-year			925.55	0.91
	100-yer			925.62	0.84
RCL0210	2-year	926.25	919.50	923.68	2.57
-	5-year			925.17	1.08
	10-year			925.42	0.83
	25-vear			925.50	0.75
	50-vear			925.56	0.69
	100-ver			925.62	0.63
RCI 0211	2-vear	926.00	921.00	923 69	2 31
	5-vear	0_0.00	0200	925 17	0.83
	10-vear			925 42	0.58
	25-vear			925.50	0.50
	50-vear			925.56	0.00
	100-ver			925.62	0.38
RCI 02A01	2-vear	898.67	893.67	895.35	3.32
	5-vear	000.07	000.07	896.88	1 79
	10-vear			897 70	0.97
	25-vear			898.10	0.57
	50-vear			808.42	0.07
	100-ver			898 53	0.23
	2-vear	901.09	806 00	896.91	0.14 18
ITCL02A02	2-year	301.03	090.09	807.56	3.53
	10-year			808 53	2.55
	25-1/02r			800.00	2.JU
	50-year			2039.20 200.01	1.01
	100-year			Q00 12	0.06
	2 x00-y01	000 70	202 20	004.00	0.30
	z-yeai 5-year	090.72	093.72	034.30	4.34
	Jo voor			094.00	4.19
	25 year			094.01	4.11
	20-year			094.71	4.01
	100 year			034.78	3.94 2.74
	2 voc	000.00	004.05	095.01	3.71
RULU2BU2	∠-year	898.90	894.65	895.36	3.54
	o-year			895.56	3.34
	10-year			895.71	3.19
	∠5-year			896.10	2.80
	50-year			896.53	2.37
	100-yer			897.36	1.54

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL02C01	2-year	914.35	909.35	913.43	0.92
	5-year			913.79	0.56
	10-year			913.95	0.40
	25-year			914.02	0.33
	50-year			914.06	0.29
	100-yer			914.11	0.24
RCL02C02	2-year	914.73	909.73	913.43	1.30
	5-year			913.79	0.94
	10-year			913.95	0.78
	25-year			914.02	0.71
	50-year			914.06	0.67
	100-yer			914.11	0.62
RCL02D01	2-year	926.20	921.20	921.86	4.34
	5-year			922.44	3.76
	10-year			925.35	0.85
	25-year			925.40	0.80
	50-year			925.43	0.77
	100-yer			925.47	0.73
RCL02D02	2-year	926.90	921.90	922.82	4.08
	5-year			923.02	3.88
	10-year			925.64	1.26
	25-year			925.82	1.08
	50-year			925.92	0.98
	100-yer			925.96	0.94
RCL02D03	2-year	927.04	922.04	923.17	3.87
	5-year			923.38	3.66
	10-year			925.89	1.15
	25-year			926.11	0.93
	50-year			926.17	0.87
	100-yer			926.21	0.83
RCL0300	2-year	906.05	890.05	890.94	15.11
	5-year			891.09	14.96
	10-year			891.18	14.87
	25-year			891.28	14.77
	50-year			891.34	14.71
	100-yer			891.41	14.64
RCL0301	2-year	907.82	903.38	904.38	3.44
	5-year			904.52	3.30
	10-year			904.58	3.24
	25-year			904.65	3.17
	50-year			904.70	3.12
	100-yer			904.78	3.04
RCL0302	2-year	907.86	903.61	907.16	0.70
	5-year			907.33	0.53
	10-year			907.42	0.44
	25-year			907.52	0.34
	50-year			907.59	0.27
	100-yer			907.68	0.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0303	2-year	908.07	904.24	907.39	0.68
	5-year			907.52	0.55
	10-year			907.59	0.48
	25-year			907.68	0.39
	50-year			907.74	0.33
	100-yer			907.82	0.25
RCL0304	2-year	916.29	911.12	915.45	0.84
	5-year			915.53	0.76
	10-year			915.57	0.72
	25-year			915.62	0.67
	50-year			915.66	0.63
	100-yer			915.70	0.59
RCL0305	2-year	916.56	911.56	915.82	0.74
	5-year			915.92	0.64
	10-year			915.98	0.58
	25-year			916.04	0.52
	50-year			916.08	0.48
	100-yer			916.14	0.42
RCL0401	2-vear	911.42	891.42	892.36	19.06
	5-vear			892.56	18.85
	10-vear			892.68	18.73
	25-vear			892.83	18.59
	50-vear			892.93	18.49
	100-ver			893.04	18.37
RCL0402	2-vear	903.68	893.68	895.37	8.31
	5-vear			896.38	7.30
	10-vear			896.55	7.13
	25-vear			896.72	6.96
	50-vear			896.84	6.84
	100-ver			896.99	6.69
RCI 0403	2-vear	925 74	915 74	917 17	8.57
	5-vear	520.74	010.74	917.39	8 35
	10-vear			917.60	8 25
	25-vear			917.62	8.12
	50-vear			917.02	8.02
	100-ver			917.82	7 92
	2-vear	025.01	020 74	021.67	1.52
	2-year	923.91	920.74	921.07	4.24
	10-year			921.91	4.00
	25 year			922.00	3.00
	20-yeai			922.20	3.00 2.21
	100-year			922.00	3.31
	2-veor	026.00	021 00	324.10 000 00	C 1.1
	Z-yedi	920.99	921.99	922.00	4.11
	J-year			923.09	3.90 57 c
	25 year			923.22	3.11 2 F7
	25-year			923.42	3.57
	100 year			923.00	3.33
	100-yer			925.53	1.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0406	2-year	926.78	922.78	923.55	3.23
	5-year			923.71	3.07
	10-year			923.79	3.00
	25-year			923.91	2.87
	50-year			924.04	2.74
	100-yer			925.47	1.31
RCL0407	2-year	928.69	924.69	925.11	3.58
	5-year			925.21	3.48
	10-year			925.27	3.42
	25-year			925.33	3.36
	50-year			925.38	3.31
	100-yer			925.47	3.22
RCL0408	2-year	931.00	927.85	928.83	2.17
	5-year			929.06	1.94
	10-year			929.19	1.81
	25-vear			929.37	1.63
	50-vear			929.53	1.47
	100-ver			930.03	0.97
RCL0501	2-vear	920.92	898.15	899.32	21.60
	5-vear	020102		899.51	21.00
	10-vear			899.62	21.30
	25-vear			899.74	21.18
	50-vear			899.83	21.09
	100-ver			899.93	20.99
RCL0502	2-vear	911.00	901.23	903.09	7.91
	5-vear	011100	001120	903 51	7 49
	10-vear			903 73	7 27
	25-vear			904.01	6.99
	50-vear			904 22	6 78
	100-ver			904.46	6.54
RCI 0503	2-vear	916 65	909 98	911 89	4 76
11020000	5-vear	010.00	000.00	912 40	4 25
	10-vear			912.30	3.03
	25-vear			913 23	3 42
	50-vear			914 38	2 27
	100-ver			915 79	0.86
	2-vear	022 57	017 /0	021 71	0.86
NCL0304	2-year	922.51	517.45	021.81	0.00
	10-year			021.01	0.70
	25-vear			021.07	0.70
	20-year			921.92	
	100-year			921.97 022.02	0.00
	2-xeor	000 75	017 50	322.UZ	0.00
	z-yeai 5-year	923.75	917.30	923.22	0.00
	J-year			923.30	0.39
	25 year			923.43	0.32
	20-year			923.31	0.24
	100 year			923.37	0.18
	100-yer			923.65	0.10

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL05A01	2-year	919.82	913.40	914.57	5.25
	5-year			914.87	4.95
	10-year			915.12	4.70
	25-year			916.10	3.72
	50-year			918.09	1.73
	100-yer			918.94	0.88
RCL05A02	2-year	925.76	919.68	920.68	5.08
	5-year			920.92	4.84
	10-year			921.06	4.70
	25-year			921.23	4.53
	50-year			921.83	3.93
	100-yer			924.21	1.55
RCL05B01	2-year	923.86	918.86	923.22	0.64
	5-year			923.36	0.50
	10-year			923.43	0.43
	25-year			923.51	0.35
	50-year			923.57	0.29
	100-yer			923.65	0.21
RCL05C01	2-year	924.07	919.07	923.22	0.85
	5-year			923.36	0.71
	10-year			923.43	0.64
	25-year			923.51	0.56
	50-year			923.57	0.50
	100-yer			923.65	0.42
RCL0601	2-year	944.25	930.25	930.52	13.73
	5-year			930.58	13.67
	10-year			930.62	13.63
	25-year			930.67	13.58
	50-year			930.70	13.55
	100-yer			930.74	13.51
RCL0602	2-year	937.76	932.84	934.62	3.14
	5-year			936.87	0.89
	10-year			936.94	0.82
	25-year			937.00	0.76
	50-year			937.03	0.73
	100-yer			937.07	0.69
RCL0603	2-year	937.97	933.72	934.86	3.11
	5-year			937.06	0.91
	10-year			937.11	0.86
	25-year			937.15	0.82
	50-year			937.18	0.79
	100-yer			937.21	0.76
RCL0701	2-year	938.50	923.99	924.31	14.19
	5-year			924.40	14.10
	10-year			924.44	14.06
	25-year			924.50	14.00
	50-year			924.53	13.97
	100-yer			924.58	13.92

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0702	2-year	929.03	926.03	928.13	0.90
	5-year			928.19	0.84
	10-year			928.22	0.81
	25-year			928.25	0.78
	50-year			928.28	0.75
	100-yer			928.31	0.72
RCL0703	2-year	936.09	933.09	933.65	2.44
	5-year			933.74	2.35
	10-year			933.79	2.30
	25-year			933.84	2.25
	50-year			933.88	2.21
	100-yer			933.93	2.16
RCL0704	2-year	936.09	933.40	934.43	1.66
	5-year			934.59	1.50
	10-year			934.68	1.41
	25-year			934.78	1.31
	50-year			934.86	1.23
	100-yer			934.95	1.14
RCL0705	2-year	944.33	937.17	937.31	7.02
	5-year			937.33	7.00
	10-year			937.35	6.98
	25-year			937.37	6.96
	50-year			937.38	6.95
	100-yer			937.40	6.93
RCL0706	2-year	944.84	938.17	939.20	5.64
	5-year			939.36	5.48
	10-year			939.44	5.40
	25-year			939.55	5.29
	50-year			939.63	5.21
	100-yer			939.74	5.10
RCL0707	2-year	945.83	939.50	940.15	5.68
	5-year			940.25	5.58
	10-year			940.31	5.52
	25-year			940.37	5.46
	50-year			940.42	5.41
	100-yer			940.47	5.36
RCL0800	2-vear	916.00	897.63	900.47	15.53
	5-year			900.92	15.08
	10-vear			901.16	14.84
	25-vear			901.42	14.58
	50-year			901.58	14.42
	100-ver			901.80	14.20
RCL0801	2-vear	918.65	902.65	905.43	13.22
	5-vear		562.50	905.86	12.79
	10-vear			906.08	12.57
	25-vear			906.31	12.34
	50-vear			906.47	12.18
	100-ver			906.65	12.00

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0802	2-year	917.39	907.39	907.94	9.45
	5-year			908.05	9.34
	10-year			908.12	9.27
	25-year			908.20	9.19
	50-year			908.25	9.14
	100-yer			908.30	9.09
RCL0803	2-year	912.00	907.62	909.20	2.80
	5-year			909.50	2.50
	10-year			909.66	2.34
	25-year			909.85	2.15
	50-year			909.99	2.01
	100-yer			910.16	1.84
RCL0804	2-year	912.95	907.67	910.29	2.66
	5-year			910.63	2.32
	10-year			910.80	2.15
	25-year			910.99	1.96
	50-year			911.12	1.83
	100-yer			911.29	1.66
RCL0805	2-year	914.00	907.68	910.41	3.59
	5-year			910.89	3.11
	10-year			911.09	2.91
	25-year			911.32	2.68
	50-year			911.62	2.38
	100-yer			911.95	2.05
RCL0806	2-year	914.11	908.89	910.64	3.47
	5-year			911.22	2.89
	10-year			911.51	2.60
	25-year			912.11	2.00
	50-year			912.57	1.54
	100-yer			912.85	1.26
RCL0807	2-year	914.95	909.44	911.49	3.46
	5-year			911.81	3.14
	10-year			912.01	2.94
	25-year			912.40	2.55
	50-year			912.76	2.19
	100-yer			913.02	1.93
RCL0808	2-year	915.00	909.62	911.65	3.35
	5-year			912.02	2.98
	10-year			912.23	2.77
	25-year			912.76	2.24
	50-year			913.17	1.83
	100-yer			913.60	1.40
RCL0809	2-year	916.92	909.88	912.36	4.56
	5-year			912.70	4.22
	10-year			912.88	4.04
	25-year			913.18	3.74
	50-year			913.46	3.46
	100-yer			913.81	3.11

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0810	2-year	917.32	910.32	912.71	4.61
	5-year			913.15	4.17
	10-year			913.39	3.93
	25-year			913.94	3.38
	50-year			914.40	2.92
	100-yer			915.07	2.25
RCL0811	2-year	917.15	911.15	913.24	3.91
	5-year			913.63	3.52
	10-year			913.84	3.31
	25-year			914.21	2.94
	50-year			914.56	2.59
	100-yer			915.14	2.01
RCL0812	2-year	917.54	911.54	913.57	3.97
	5-year			914.01	3.53
	10-year			914.25	3.29
	25-year			914.62	2.92
	50-year			915.14	2.40
	100-yer			915.84	1.70
RCL0813	2-year	917.90	911.90	914.25	3.65
	5-year			914.58	3.32
	10-year			914.76	3.14
	25-year			915.00	2.90
	50-year			915.36	2.54
	100-yer			915.94	1.96
RCL0814	2-year	919.64	913.31	915.24	4.40
	5-year			915.54	4.10
	10-year			915.69	3.95
	25-year			915.87	3.77
	50-year			915.97	3.67
	100-yer			916.13	3.51
RCL0815	2-year	919.77	913.50	915.67	4.10
	5-year			916.11	3.66
	10-year			916.42	3.35
	25-year			916.76	3.01
	50-year			916.89	2.88
	100-yer			917.47	2.30
RCL0816	2-year	919.69	913.39	915.44	4.25
	5-year			915.80	3.89
	10-year			916.02	3.67
	25-year			916.24	3.45
	50-year			916.35	3.34
	100-yer			916.68	3.01
RCL0817	2-year	922.96	917.36	917.45	5.51
	5-year			917.47	5.49
	10-year			917.48	5.48
	25-year			917.49	5.47
	50-year			917.50	5.46
	100-yer			917.51	5.45

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL0818	2-year	923.00	917.40	917.80	5.20
	5-year			917.85	5.15
	10-year			917.88	5.12
	25-year			917.91	5.09
	50-year			917.93	5.07
	100-yer			917.96	5.04
RCL08A01	2-year	914.90	903.90	905.12	9.78
	5-year			905.36	9.54
	10-year			905.44	9.46
	25-year			905.53	9.37
	50-year			905.60	9.30
	100-yer			905.67	9.23
RCL08A02	2-year	923.00	915.00	915.18	7.82
	5-year			915.20	7.80
	10-year			915.21	7.79
	25-year			915.24	7.76
	50-year			915.26	7.74
	100-yer			915.29	7.71
RCL08A03	2-vear	922.76	915.76	917.86	4.90
	5-vear			919.47	3.29
	10-vear			919.97	2.79
	25-vear			920.19	2.57
	50-vear			920.31	2.45
	100-ver			920.46	2.30
RCL08A04	2-vear	925.00	916.17	917.95	7.05
	5-vear			919.68	5.32
	10-vear			920.24	4.76
	25-vear			920.61	4.39
	50-vear			920.87	4.13
	100-ver			921.24	3.76
RCI 08A05	2-vear	923 42	916 42	918.09	5 33
	5-vear	520.42	510.42	919 75	3.67
	10-vear			920 37	3.07
	25-vear			920.79	2.63
	50-vear			921 11	2.00
	100-ver			921.58	1 84
	2_ve2r	020 06	02/ 25	021.00	6 21
	∠-year 5_vear	330.90	324.33	001 71	6.26
	J-year			024.71	6.24
	25-vear			924.72	0.24 6.22
	20-year			924.14	0.22
	100-year			924.79	6.17
	2-voor	021 00	024 60	J24.04	0.12
	z-yeai 5-year	931.00	924.00	920.49	4.01
	J-year			920.94	4.00
	25 year			927.30	0.00 2 4 4
	25-year			927.89	3.11
	100 year			928.21	2.79
	100-yer			928.31	2.69

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL08A08	2-year	930.94	926.00	926.48	4.46
	5-year			926.94	4.00
	10-year			927.35	3.59
	25-year			927.90	3.04
	50-year			928.21	2.73
	100-yer			928.30	2.64
RCL08A09	2-year	931.00	928.00	929.81	1.19
	5-year			930.08	0.92
	10-year			930.15	0.85
	25-year			930.20	0.80
	50-year			930.24	0.76
	100-yer			930.29	0.71
RCL08B01	2-year	913.19	907.71	910.41	2.78
	5-year			910.90	2.29
	10-year			911.10	2.09
	25-year			911.34	1.85
	50-year			911.63	1.56
	100-yer			911.96	1.23
RCL08B02	2-vear	915.00	908.33	910.41	4.59
	5-vear			910.90	4.10
	10-vear			911.18	3.82
	25-vear			911.52	3.48
	50-vear			912.35	2.65
	100-ver			912.08	2.92
RCL08B03	2-vear	916.70	911.45	911.91	4.79
	5-vear			911.99	4.71
	10-vear			912.03	4.67
	25-vear			912.08	4.62
	50-vear			912.12	4.58
	100-ver			912.17	4.53
RCI 08C01	2-vear	919 72	912.08	913.57	6 15
	5-vear	010.72	012.00	914.01	5 71
	10-vear			914.26	5 46
	25-vear			914 62	5 10
	50-year			915 15	
	100-ver			915.84	3.88
	2-vezr	017 28	012 28	010.04 011 10	2 08
	∠-year 5-vear	317.30	312.30	011 Q1	2.30
	10-year			015.02	2.00
	25-vear			015 20	2.32
	20-year			015 72	1.99
	100-year			016 /1	
		022.00	014 00	310.41 046 75	0.97
	Z-year	922.00	914.88	910.75	5.25
	o-year			917.21	4.79
	10-year			917.48	4.52
	∠o-year			917.87	4.13
	ou-year			918.29	3.71
	100-yer			919.94	2.06

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL08C04	2-year	922.77	917.77	919.13	3.64
	5-year			919.41	3.36
	10-year			919.57	3.20
	25-year			919.82	2.95
	50-year			920.00	2.77
	100-yer			921.30	1.47
RCL08D01	2-year	918.09	912.34	914.41	3.68
	5-year			915.06	3.03
	10-year			915.55	2.54
	25-year			916.20	1.89
	50-year			916.87	1.22
	100-yer			917.27	0.82
RCL08D02	2-year	918.64	913.31	917.36	1.28
	5-year			917.84	0.80
	10-year			917.91	0.73
	25-year			918.00	0.64
	50-year			918.07	0.57
	100-yer			918.13	0.51
RCL08D03	2-year	918.86	914.03	917.94	0.92
	5-year			918.11	0.75
	10-year			918.16	0.70
	25-year			918.22	0.64
	50-year			918.26	0.60
	100-yer			918.31	0.55
RCL08D04	2-year	920.00	914.17	918.30	1.70
	5-year			918.42	1.58
	10-year			918.47	1.53
	25-year			918.54	1.46
	50-year			918.59	1.41
	100-yer			918.65	1.35
RCL08D05	2-year	920.18	915.51	918.79	1.39
	5-year			918.93	1.25
	10-year			919.00	1.18
	25-year			919.09	1.09
	50-year			919.15	1.03
	100-yer			919.23	0.95
RCL1001	2-year	926.00	915.58	916.14	9.86
	5-year			916.28	9.72
	10-year			916.35	9.65
	25-year			916.43	9.57
	50-year			916.48	9.52
	100-yer			916.55	9.45
RCL1101	2-year	950.00	938.00	938.45	11.55
	5-year			938.58	11.42
	10-year			938.66	11.34
	25-year			938.74	11.26
	50-year			938.81	11.19
	100-yer			938.88	11.12

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL1201	2-year	930.00	918.00	919.88	10.12
	5-year			920.40	9.60
	10-year			920.67	9.33
	25-year			921.02	8.98
	50-year			921.38	8.62
	100-yer			921.69	8.31
RCL1202	2-year	950.00	930.00	931.12	18.88
	5-year			931.38	18.62
	10-year			931.52	18.48
	25-year			931.69	18.31
	50-year			931.80	18.20
	100-yer			931.94	18.06
RCL1203	2-year	957.00	946.61	947.01	9.99
	5-year			947.11	9.89
	10-year			947.16	9.84
	25-year			947.22	9.78
	50-year			947.26	9.74
	100-yer			947.32	9.68
RCL1300	2-year	932.15	922.15	923.20	8.95
	5-year			923.63	8.52
	10-year			923.85	8.30
	25-year			924.13	8.03
	50-year			924.32	7.84
	100-yer			924.55	7.60
RCL1301	2-year	952.00	939.00	939.93	12.07
	5-year			940.31	11.69
	10-year			940.51	11.49
	25-year			940.75	11.25
	50-year			940.91	11.09
	100-yer			941.10	10.90
RCL1302	2-year	970.00	950.00	951.85	18.15
	5-year			952.39	17.61
	10-year			952.66	17.34
	25-year			952.97	17.03
	50-year			953.18	16.82
	100-yer			953.42	16.58
RCL1303	2-year	980.00	960.00	960.47	19.53
	5-year			960.65	19.35
	10-year			960.75	19.25
	25-year			960.87	19.13
	50-year			960.96	19.04
	100-yer			961.06	18.94
RCL13A01	2-year	970.00	950.00	951.40	18.60
	5-year			951.68	18.32
	10-year			951.80	18.20
	25-year			951.95	18.05
	50-year			952.04	17.96
	100-yer			952.15	17.85

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL1400	2-year	939.00	926.46	927.60	11.40
	5-year			927.84	11.16
	10-year			927.96	11.04
	25-year			928.10	10.90
	50-year			928.20	10.80
	100-yer			928.32	10.68
RCL1401	2-year	950.00	938.00	939.01	11.00
	5-year			939.22	10.78
	10-year			939.32	10.68
	25-year			939.45	10.55
	50-year			939.54	10.46
	100-yer			939.64	10.36
RCL1402	2-year	970.00	940.00	941.49	28.51
	5-year			941.80	28.20
	10-year			941.96	28.04
	25-year			942.14	27.86
	50-year			942.26	27.74
	100-yer			942.41	27.59
RCL1501	2-year	950.00	940.00	941.41	8.59
	5-year			941.74	8.26
	10-year			941.92	8.08
	25-year			942.13	7.87
	50-year			942.28	7.72
	100-yer			942.47	7.53
RCL1601	2-year	950.00	937.17	939.00	11.00
	5-year			939.30	10.70
	10-year			939.44	10.56
	25-year			939.60	10.40
	50-year			939.92	10.08
	100-yer			940.11	9.89
RCL1602	2-year	950.00	940.00	941.49	8.51
	5-year			941.78	8.22
	10-year			941.93	8.07
	25-year			942.11	7.89
	50-year			942.22	7.78
	100-yer			942.37	7.63
RCL1603	2-year	970.00	954.00	954.98	15.02
	5-year			955.16	14.84
	10-year			955.26	14.74
	25-year			955.37	14.63
	50-year			955.44	14.56
	100-yer			955.53	14.47
RCL1604	2-year	990.00	966.72	967.99	22.01
	5-year			968.27	21.73
	10-year			968.41	21.59
	25-year			968.59	21.41
	50-year			968.70	21.30
	100-yer			968.84	21.16

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL16A00	2-year	950.63	938.63	940.26	10.37
	5-year			940.57	10.06
	10-year			940.75	9.88
	25-year			940.97	9.66
	50-year			941.09	9.54
	100-yer			941.25	9.38
RCL16A01	2-year	980.00	960.00	960.79	19.21
	5-year			960.94	19.06
	10-year			961.02	18.98
	25-year			961.10	18.90
	50-year			961.16	18.84
	100-yer			961.23	18.77
RCL1701	2-year	970.00	950.00	951.25	18.75
	5-year			951.50	18.50
	10-year			951.69	18.31
	25-year			951.85	18.15
	50-year			951.95	18.05
	100-yer			952.08	17.92
RCL1702	2-year	980.00	956.00	956.94	23.06
	5-year			957.31	22.69
	10-year			957.30	22.70
	25-year			957.44	22.56
	50-year			957.53	22.47
	100-yer			957.64	22.36
RCL1703	2-year	980.00	960.69	961.31	18.69
	5-year			961.41	18.59
	10-year			961.54	18.46
	25-year			961.63	18.37
	50-year			961.70	18.30
	100-yer			961.77	18.23
RCL1801	2-year	969.33	954.00	954.35	14.98
	5-year			954.44	14.89
	10-year			954.50	14.84
	25-year			954.56	14.77
	50-year			954.60	14.73
	100-yer			954.66	14.67
RCL1901	2-year	995.00	974.66	975.84	19.16
	5-year			976.12	18.88
	10-year			976.27	18.73
	25-year			976.42	18.58
	50-year			976.52	18.48
	100-yer			976.66	18.34
RCL2001	2-year	1000.00	976.00	977.59	22.41
	5-year			977.86	22.14
	10-year			977.98	22.02
	25-year			978.14	21.86
	50-year			978.38	21.62
	100-yer			978.54	21.46

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCL2002	2-year	1010.00	990.00	991.47	18.53
	5-year			991.87	18.13
	10-year			992.14	17.86
	25-year			992.46	17.54
	50-year			992.62	17.38
	100-yer			992.87	17.13
RCL901	2-year	932.00	912.00	912.71	19.29
	5-year			912.86	19.14
	10-year			912.92	19.08
	25-year			913.01	18.99
	50-year			913.07	18.93
	100-yer			913.14	18.86
RCMC00	2-year	891.75	871.75	877.43	14.32
	5-year			879.44	12.31
	10-year			880.20	11.55
	25-year			881.07	10.68
	50-year			881.58	10.17
	100-yer			882.24	9.51
RCMC01	2-vear	893.76	873.76	882.85	10.91
	5-vear			884.68	9.08
	10-vear			885.52	8.24
	25-vear			887.32	6.44
	50-vear			887.85	5.91
	100-ver			888.50	5.26
RCMC02	2-vear	896.84	873.80	882.97	13.87
	5-vear			884.86	11.98
	10-vear			885.73	11.11
	25-vear			887.53	9.31
	50-vear			888.09	8.75
	100-ver			888.80	8.04
RCMC03	2-vear	896 84	873 84	883.09	13 75
	5-vear	000101	010101	885 75	11 09
	10-vear			887 10	9 74
	25-vear			888 88	7 96
	50-vear			889.99	6.85
	100-ver			891 47	5.37
	2-vear	895.00	874 54	883.62	11 38
	2-year 5-year	035.00	074.04	886.02	8 98
	10-year			886 79	0.30 2.22
	25-vear			887 /8	7 52
	50-vear			887 0/	7.02
	100-ver			888 56	6 44
RCMC05	2-vezr	805 00	87/ 70	883 83	11 27
	5-vear	035.00	074.70	886 02	2 Q2
	10-vear			2000.02 226 72	0.30 2.22
	25-vear			887 50	7 50
	50-vear			887 07	7.30
	100-year			222 A2	7.03 6.30
	100-yei			000.01	0.59
					Max WSE
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		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC06	2-year	893.37	877.37	884.58	8.79
	5-year			885.88	7.49
	10-year			886.38	6.99
	25-year			887.01	6.36
	50-year			887.41	5.96
	100-yer			887.96	5.41
RCMC07	2-year	898.62	878.62	885.76	12.86
	5-year			887.91	10.71
	10-year			888.83	9.79
	25-year			889.76	8.86
	50-year			890.31	8.31
	100-yer			891.03	7.59
RCMC08	2-year	895.00	878.97	886.43	8.57
	5-year			887.67	7.33
	10-year			888.17	6.83
	25-year			888.71	6.29
	50-year			889.05	5.95
	100-yer			889.52	5.48
RCMC09	2-vear	902.54	880.54	888.47	14.07
	5-vear			889.52	13.02
	10-vear			890.04	12.50
	25-vear			890.71	11.83
	50-vear			891.15	11.39
	100-ver			891.75	10.79
RCMC10	2-vear	902.95	882.37	889.21	13.74
	5-vear			890.42	12.53
	10-vear			891.03	11.92
	25-vear			891.81	11.14
	50-vear			892.31	10.64
	100-ver			892.99	9.96
RCMC13	2-vear	903.00	882 77	889 75	13 25
	5-vear	000100	002111	891.38	11 62
	10-vear			892 19	10.81
	25-vear			893.20	9.80
	50-vear			893.83	9.00
	100-ver			894.68	8.32
RCMC14	2-vear	013 03	883.03	801.00	22 70
	5-vear	515.55	000.00	892 50	22.70
	10-vear			802.50	21.43
	25-vear			80/ 00	10.02
	50-vear			804.50	10.30
	100-ver			805 28	18.65
RCMC15	2-vezr	016 67	885 75	80/ 22	22 15
	5-vear	310.07	000.70	2034.23 206 00	22.45
	10-vear			206.09 206.05	10.79
	25-vear			807 08	19.72
	50-vear			202 57	10.70
	100-ver			20030	17 21
	100-yei			033.30	17.31

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC16	2-year	916.72	885.80	894.23	22.49
	5-year			896.09	20.63
	10-year			896.95	19.76
	25-year			897.98	18.74
	50-year			898.57	18.15
	100-yer			899.36	17.36
RCMC17	2-year	918.00	887.50	895.24	22.76
	5-year			897.21	20.79
	10-year			898.12	19.88
	25-year			899.18	18.82
	50-year			899.80	18.20
	100-yer			900.63	17.37
RCMC18	2-year	908.00	890.00	897.46	10.54
	5-year			899.19	8.81
	10-year			900.09	7.91
	25-year			901.21	6.79
	50-year			901.91	6.09
	100-yer			902.85	5.15
RCMC19	2-vear	909.33	890.33	898.56	10.77
	5-vear			900.88	8.45
	10-vear			902.04	7.29
	25-vear			903.41	5.92
	50-vear			904.27	5.06
	100-ver			905.45	3.88
RCMC20	2-vear	912.22	893.50	901.36	10.86
	5-vear			903.00	9.22
	10-vear			903.93	8.29
	25-vear			905.13	7.09
	50-year			905.91	6.31
	100-ver			907.01	5.21
RCMC23	2-vear	912.29	893.59	902.16	10.13
110111020	5-vear	012120		904.05	8 24
	10-vear			905.14	7 15
	25-vear			906 45	5.84
	50-vear			907.30	4 99
	100-ver			908.46	3.83
RCMC24	2-vear	915 30	805 30	902 96	12 34
1.000024	5-vear	515.50	000.00	902.90	10 42
	10-vear			905 99	Q 31
	25-year			907 36	7 94
	50-year			908 15	7.54
	100-ver			909.73	6.07
RCMC25	2-vear	Q10 44	805 01	902.20	7 78
1.001020	5-vear	510.44	000.04	902.00	07.7 03 3
	10-vear			903.73 904 20	6.16
	25-vear			904.29 901 05	5.40
	50-vear			004.30 005 27	5.49
	100-year			905.37 QAS Q2	J.07
	100-yei			900.90	4.51

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC26	2-year	921.98	900.75	905.70	16.28
	5-year			906.54	15.44
	10-year			906.95	15.03
	25-year			907.44	14.54
	50-year			907.73	14.25
	100-yer			908.13	13.85
RCMC27	2-year	922.00	900.77	905.77	16.23
	5-year			906.66	15.34
	10-year			907.11	14.89
	25-year			907.65	14.35
	50-year			907.99	14.01
	100-yer			908.45	13.55
RCMC28	2-year	916.80	901.35	907.09	9.71
	5-year			907.98	8.82
	10-year			908.43	8.37
	25-year			908.98	7.82
	50-year			909.33	7.47
	100-yer			909.81	6.99
RCMC29	2-vear	916.89	901.38	907.35	9.54
	5-vear			908.40	8.49
	10-vear			908.94	7.95
	25-vear			909.62	7.27
	50-vear			910.06	6.83
	100-ver			910.63	6.26
RCMC30	2-vear	916.90	901.43	907.47	9.43
	5-vear			908.59	8.31
	10-vear			909.16	7.74
	25-vear			909.90	7.00
	50-vear			910.36	6.54
	100-ver			910.97	5.93
RCMC31	2-vear	917 91	901 46	907.67	10 24
	5-vear	017.01	001.40	908.87	9.04
	10-vear			909.49	8 42
	25-vear			910.28	7.63
	50-year			910 77	7.00
	100-ver			911 43	6 48
RCMC32	2-vezr	020 00	001 66	007 13	10 87
	z-year 5-vear	320.00	301.00	307.13 QAR A1	12.07
	10-voor			908.01	11.55
	25-year			00.42 008 02	11.00
	20-year			900.92 000 22	11.00
	100-year			909.23 000 62	10.77
	2-veor	022.00	002 60	303.0Z	10.30
	2-year	922.00	903.00	900.97	13.03
	10-year			907.94	14.00
	25 year			300.41	13.09
	25-year			908.98	13.02
	100 year			909.34	12.00
	100-yer			909.82	12.18

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC35	2-year	933.50	904.72	908.32	25.18
	5-year			909.39	24.12
	10-year			909.90	23.60
	25-year			910.54	22.96
	50-year			910.93	22.57
	100-yer			911.46	22.04
RCMC36	2-year	930.00	905.00	907.96	22.04
	5-year			908.91	21.09
	10-year			909.38	20.62
	25-year			909.96	20.04
	50-year			910.32	19.68
	100-yer			910.80	19.20
RCMC37	2-year	930.00	907.50	910.64	19.37
	5-year			911.54	18.46
	10-year			911.97	18.03
	25-year			912.52	17.48
	50-year			912.85	17.15
	100-yer			913.30	16.70
RCMC38	2-year	940.00	909.00	912.33	27.67
	5-year			913.29	26.71
	10-year			913.75	26.25
	25-year			914.31	25.69
	50-year			914.66	25.34
	100-yer			915.13	24.87
RCMC39	2-year	940.00	913.00	915.51	24.49
	5-year			916.29	23.71
	10-year			916.67	23.33
	25-year			917.15	22.85
	50-year			917.45	22.55
	100-yer			918.08	21.92
RCMC40	2-year	940.00	915.00	916.78	23.22
	5-year			917.42	22.58
	10-year			917.73	22.27
	25-year			918.13	21.87
	50-year			918.37	21.63
	100-yer			918.71	21.29
RCMC41	2-year	932.00	916.50	923.43	8.57
	5-vear			924.46	7.54
	10-year			924.93	7.07
	25-year			925.51	6.49
	50-year			925.86	6.14
	100-yer			926.35	5.65
RCMC42	2-year	931.00	918.00	920.57	10.43
	5-year			921.28	9.72
	10-year			921.63	9.37
	25-year			922.06	8.94
	50-year			922.31	8.69
	100-yer			922.68	8.32

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC43	2-year	940.00	921.00	923.88	16.12
	5-year			924.76	15.24
	10-year			925.21	14.79
	25-year			925.72	14.28
	50-year			926.02	13.98
	100-yer			926.47	13.53
RCMC44	2-year	940.00	923.53	927.35	12.65
	5-year			928.34	11.66
	10-year			928.85	11.15
	25-year			929.42	10.58
	50-year			929.75	10.25
	100-yer			930.25	9.75
RCMC45	2-year	950.00	925.44	927.90	22.10
	5-year			928.54	21.46
	10-year			928.87	21.14
	25-year			929.23	20.77
	50-year			929.44	20.56
	100-yer			929.76	20.24
RCMC46	2-vear	950.00	928.00	930.68	19.32
	5-vear			931.41	18.59
	10-vear			931.79	18.21
	25-vear			932.20	17.80
	50-vear			932.44	17.56
	100-ver			932.80	17.20
RCMC47	2-vear	960.00	932.00	934.14	25.86
	5-vear			934.85	25.15
	10-vear			935.21	24.79
	25-vear			935.60	24.40
	50-vear			935.81	24.19
	100-ver			936.16	23.84
RCMC48	2-vear	960.00	938.00	942.18	17.82
	5-vear			942.96	17.04
	10-vear			943.34	16.66
	25-vear			943 79	16.00
	50-vear			944.05	15.95
	100-ver			944.38	15.62
RCMC49	2-vear	970.00	940.00	942.63	27 37
	5-vear	570.00	540.00	943.23	26.77
	10-vear			943.23	20.77
	25-vear			012 00	20.40
	50-vear			945.90 QAA 11	20.10
	100-ver			0/1/ /1	25.09
	2-vear	070.00	046.00	0/12 02	23.33
	z-year 5-vear	310.00	340.00	0/0.22	21.70
	10-year			0/12 01	21.32
	25-vear			0/0.91	21.09
	20-year			343.10 0/0.24	20.02
	100-year			949.31 0/0 52	20.09
	100-yei			949.03	20.47

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
RCMC51	2-year	970.00	948.00	952.12	17.88
	5-year			952.91	17.09
	10-year			953.30	16.70
	25-year			953.78	16.22
	50-year			954.01	15.99
	100-yer			954.40	15.60
RCMC52	2-year	970.00	952.00	955.04	14.96
	5-year			955.79	14.21
	10-year			956.15	13.85
	25-year			956.59	13.41
	50-year			956.80	13.20
	100-yer			957.15	12.85
RCMC53	2-year	990.00	960.93	963.30	26.70
	- 5-year			963.99	26.01
	10-year			964.33	25.67
	25-year			964.77	25.23
	50-year			965.26	24.75
	100-yer			965.61	24.39
RCMC54	2-vear	990.00	971.06	973.38	16.62
	5-vear			973.96	16.04
	10-vear			974.23	15.77
	25-vear			974.59	15.41
	50-vear			974.74	15.26
	100-ver			975.03	14.97
RCMC55	2-vear	1000.00	976.00	977.80	22.20
	5-vear			978.21	21.79
	10-vear			978.40	21.60
	25-vear			978.64	21.36
	50-vear			978.81	21.19
	100-ver			979.02	20.98
RCMC56	2-vear	1000.00	979.00	981.37	18.63
	5-vear	1000100	010100	981.88	18.12
	10-vear			982.06	17.94
	25-vear			982.35	17.65
	50-vear			982.55	17.65
	100-ver			982.80	17.20
RCMC57	2-vear	1020.00	994 00	995 68	24 32
	5-vear	1020.00		900.000	27.02
	10-vear			996 17	23.34
	25-year			996 42	23.53
	50-year			996 57	23.00
	100-ver			996 76	23.43
RCMC58	2-vear	1030.00	1008.00	1009.05	20.24
	5-vear	1030.00	1000.00	1009.05	20.33
	10-vear			1003.22	20.70
	25-vear			1009.47	20.33
	50-vear			1009.02	20.30
	100-year			1009.72	20.20
	100-yei			1009.03	20.17

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL101	2-year	910.00	903.43	905.81	4.19
	5-year			906.12	3.88
	10-year			906.27	3.73
	25-year			906.49	3.51
	50-year			906.68	3.32
	100-yer			906.85	3.15
SCL102	2-year	908.41	903.91	905.79	2.62
	5-year			906.10	2.31
	10-year			906.25	2.16
	25-year			906.45	1.96
	50-year			906.65	1.76
	100-yer			906.81	1.60
SCL103	2-year	911.00	904.26	907.30	3.70
	5-year			908.73	2.27
	10-year			909.66	1.34
	25-year			910.12	0.88
	50-year			910.19	0.81
	100-yer			910.26	0.74
SCL104	2-year	913.00	908.17	909.19	3.81
	5-year			909.67	3.33
	10-year			910.42	2.58
	25-year			911.04	1.96
	50-year			911.40	1.60
	100-yer			911.90	1.11
SCL105	2-year	913.00	908.47	909.56	3.44
	5-year			909.91	3.09
	10-year			910.50	2.50
	25-year			911.09	1.91
	50-year			911.44	1.56
	100-yer			911.92	1.08
SCL106	2-year	913.00	908.74	912.23	0.77
	5-year			912.35	0.65
	10-year			912.43	0.57
	25-year			912.54	0.46
	50-vear			912.61	0.39
	100-yer			912.69	0.31
SCL107	2-vear	914.00	908.94	912.23	1.77
	5-vear			912.35	1.65
	10-vear			912.44	1.56
	25-vear			912.54	1.46
	50-year			912.61	1.39
	100-ver			912.70	1.30
SCL108	2-vear	914.00	909.11	912.40	1.60
	5-vear		500.11	912.51	1.49
	10-vear			912.57	1 43
	25-vear			912.66	1.40
	50-vear			912 72	1 28
	100-ver			912.80	1 20
	100 901			312.00	1.20

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL109	2-year	914.00	909.30	912.41	1.59
	5-year			912.52	1.48
	10-year			912.58	1.42
	25-year			912.68	1.32
	50-year			912.74	1.26
	100-yer			912.83	1.17
SCL110	2-year	914.00	909.43	912.47	1.53
	5-year			912.59	1.41
	10-year			912.65	1.35
	25-year			912.74	1.26
	50-year			912.81	1.19
	100-yer			912.89	1.11
SCL111	2-year	914.00	909.50	912.47	1.53
	5-year			912.60	1.40
	10-year			912.66	1.34
	25-year			912.76	1.24
	50-year			912.82	1.18
	100-yer			912.91	1.09
SCL112	2-year	914.00	909.69	912.51	1.49
	5-year			912.64	1.36
	10-year			912.71	1.29
	25-year			912.80	1.20
	50-year			912.87	1.13
	100-yer			912.95	1.05
SCL113	2-year	914.00	909.77	912.52	1.48
	5-year			912.65	1.35
	10-year			912.72	1.28
	25-year			912.81	1.19
	50-year			912.88	1.12
	100-yer			912.97	1.03
SCL114	2-year	914.07	910.07	912.55	1.52
	5-year			912.68	1.39
	10-year			912.76	1.31
	25-year			912.85	1.22
	50-year			912.92	1.15
	100-yer			913.01	1.06
SCL115	2-year	914.95	910.76	912.58	2.37
	5-year			912.74	2.21
	10-year			912.83	2.12
	25-year			912.95	2.00
	50-year			913.03	1.92
	100-yer			913.14	1.81
SCL116	2-year	915.00	911.00	913.25	1.75
	5-year			913.40	1.60
	10-year			913.48	1.52
	25-year			913.56	1.44
	50-year			913.62	1.38
	100-yer			913.69	1.31

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCL1A01	2-year	912.00	906.00	907.04	4.96
	5-year			907.28	4.72
	10-year			907.41	4.59
	25-year			907.69	4.31
	50-year			907.93	4.07
	100-yer			908.22	3.78
SCL1A02	2-year	912.89	906.89	907.87	5.02
	5-year			908.06	4.83
	10-year			908.16	4.73
	25-year			908.27	4.62
	50-year			908.35	4.54
	100-yer			908.56	4.33
SCL1A03	2-year	912.60	907.60	911.72	0.88
	5-year			911.80	0.80
	10-year			911.84	0.76
	25-year			911.89	0.71
	50-year			911.92	0.68
	100-yer			911.96	0.64
SCL1A04	2-year	912.90	907.90	912.03	0.87
	5-year			912.12	0.78
	10-year			912.16	0.74
	25-year			912.21	0.69
	50-year			912.25	0.65
	100-yer			912.29	0.61
SCL1B01	2-year	911.48	904.31	907.30	4.18
	5-year			908.73	2.75
	10-year			909.66	1.82
	25-year			910.12	1.36
	50-year			910.19	1.29
	100-yer			910.26	1.22
SCL201	2-year	913.85	907.85	911.78	2.07
	5-year			911.95	1.90
	10-year			911.98	1.87
	25-year			912.02	1.83
	50-year			912.05	1.80
	100-yer			912.08	1.77
SCL301	2-year	913.30	909.30	912.40	0.90
	5-year			912.50	0.80
	10-year			912.54	0.76
	25-year			912.59	0.71
	50-year			912.63	0.67
	100-yer			912.67	0.63
SCL401	2-year	920.11	914.36	915.71	4.40
	5-year			916.45	3.66
	10-year			916.88	3.23
	25-year			917.34	2.77
	50-year			917.93	2.18
	100-yer			918.82	1.29

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC01	2-year	895.03	887.03	892.28	2.75
	5-year			892.67	2.36
	10-year			892.89	2.14
	25-year			893.12	1.91
	50-year			893.26	1.77
	100-yer			893.56	1.47
SCMC02	2-year	899.66	891.66	892.68	6.98
	5-year			892.92	6.74
	10-year			893.06	6.60
	25-year			893.22	6.44
	50-year			893.33	6.33
	100-yer			893.46	6.20
SCMC03	2-year	907.36	902.36	902.99	4.37
	5-year			903.12	4.24
	10-year			903.19	4.17
	25-year			903.26	4.10
	50-year			903.32	4.04
	100-yer			903.38	3.98
SCMC04	2-year	909.00	903.36	904.43	4.57
	5-vear			904.62	4.38
	10-vear			904.71	4.29
	25-year			904.82	4.18
	50-year			904.90	4.10
	100-yer			904.98	4.02
SCMC05	2-year	911.85	903.85	905.84	6.01
	5-vear			906.25	5.60
	10-year			906.47	5.38
	25-year			906.75	5.10
	50-vear			906.95	4.90
	100-yer			907.20	4.65
SCMC06	2-vear	912.60	904.60	905.85	6.75
	5-vear			906.26	6.34
	10-vear			906.48	6.12
	25-vear			906.75	5.85
	50-vear			906.95	5.65
	100-ver			907.21	5.39
SCMC07	2-vear	912 70	905 45	911 10	1 60
Comoor	5-vear	0.12.110	000110	911.34	1.86
	10-vear			911 44	1 26
	25-vear			911 55	1 15
	50-vear			911.63	1.13
	100-ver			911.74	0.96
SCMC08	2-vear	914 56	906.06	911 91	2 65
2011000	5-vear	017.00	000.00	912.07	2.00
	10-vear			912.07	2.40
	25-year			912.14	2.72
	50-vear			912.21	2.00
	100-ver			912.20	2.00
	100 301			512.04	2.22

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC09	2-year	912.83	906.66	912.03	0.80
	5-year			912.22	0.61
	10-year			912.29	0.54
	25-year			912.37	0.46
	50-year			912.42	0.41
	100-yer			912.50	0.33
SCMC10	2-year	915.25	907.68	913.81	1.44
	5-year			914.43	0.82
	10-year			914.49	0.76
	25-year			914.54	0.71
	50-year			914.59	0.66
	100-yer			914.64	0.61
SCMC11	2-year	917.54	908.02	914.40	3.14
	5-year			914.86	2.68
	10-year			914.93	2.61
	25-year			914.99	2.55
	50-year			915.04	2.50
	100-yer			915.11	2.43
SCMC12	2-year	916.18	908.76	914.83	1.35
	5-year			915.11	1.07
	10-year			915.19	0.99
	25-year			915.26	0.92
	50-year			915.33	0.85
	100-yer			915.42	0.76
SCMC13	2-year	917.25	908.86	915.36	1.89
	5-year			915.49	1.76
	10-year			915.53	1.72
	25-year			915.57	1.68
	50-year			915.61	1.64
	100-yer			915.66	1.59
SCMC14	2-year	916.16	908.91	915.36	0.80
	5-year			915.49	0.67
	10-year			915.53	0.63
	25-year			915.57	0.59
	50-year			915.61	0.55
	100-yer			915.66	0.50
SCMC15	2-year	919.49	913.74	915.71	3.78
	5-year			916.44	3.05
	10-year			916.85	2.64
	25-year			917.31	2.18
	50-year			917.86	1.63
	100-yer			918.52	0.97
SCMC16	2-year	919.37	913.95	916.06	3.31
	5-year			917.30	2.07
	10-year			918.03	1.34
	25-year			918.60	0.77
	50-year			918.74	0.63
	100-yer			918.89	0.48

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SCMC17	2-year	921.46	916.38	917.27	4.19
	5-year			917.82	3.64
	10-year			918.95	2.51
	25-year			920.02	1.44
	50-year			920.40	1.06
	100-yer			920.53	0.93
SCMC18	2-year	921.44	916.52	917.51	3.93
	5-year			917.93	3.51
	10-year			919.07	2.37
	25-year			920.20	1.24
	50-year			920.56	0.88
	100-yer			920.65	0.79
SCMC19	2-year	923.25	916.67	918.04	5.21
	5-year			918.60	4.65
	10-year			920.00	3.25
	25-year			921.52	1.73
	50-year			922.26	0.99
	100-yer			922.91	0.34
SCMC20	2-year	923.27	916.75	918.22	5.05
	5-year			918.99	4.28
	10-year			920.41	2.86
	25-year			921.53	1.74
	50-year			922.26	1.01
	100-yer			922.91	0.36
SRL0101	2-year	894.12	875.33	876.99	17.13
	5-year			877.37	16.75
	10-year			877.82	16.30
	25-year			878.30	15.82
	50-year			878.68	15.44
	100-yer			879.04	15.08
SRL0102	2-year	889.00	877.75	880.49	8.51
	5-year			880.90	8.10
	10-year			880.98	8.02
	25-year			881.06	7.94
	50-year			881.16	7.84
	100-yer			881.37	7.63
SRL0103	2-year	890.00	879.08	881.48	8.52
	5-year			881.90	8.10
	10-year			882.02	7.98
	25-year			882.19	7.81
	50-year			882.31	7.70
	100-yer			882.48	7.52
SRL0104	2-year	892.01	879.68	883.13	8.88
	5-year			883.75	8.26
	10-year			883.98	8.03
	25-year			884.45	7.56
	50-year			884.65	7.36
	100-yer			884.92	7.09

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0105	2-year	891.47	879.89	883.96	7.51
	5-year			884.90	6.57
	10-year			885.26	6.21
	25-year			886.04	5.43
	50-year			886.45	5.02
	100-yer			886.90	4.57
SRL0106	2-year	889.76	880.17	884.66	5.10
	5-year			885.84	3.92
	10-year			886.28	3.48
	25-year			886.78	2.98
	50-year			887.14	2.62
	100-yer			887.55	2.21
SRL0107	2-year	889.95	880.42	885.03	4.92
	5-year			886.38	3.57
	10-year			886.84	3.11
	25-year			887.20	2.75
	50-year			887.50	2.45
	100-yer			887.87	2.08
SRL0108	2-year	890.00	882.98	884.87	5.13
	5-year			886.01	3.99
	10-year			886.70	3.30
	25-year			887.27	2.73
	50-year			887.62	2.38
	100-yer			888.00	2.00
SRL0109	2-year	890.91	883.01	885.13	5.78
	5-year			886.07	4.84
	10-year			886.73	4.18
	25-year			887.33	3.58
	50-year			887.64	3.27
	100-yer			888.01	2.90
SRL0110	2-year	891.00	883.52	885.63	5.37
	5-vear			886.24	4.76
	10-year			886.82	4.18
	25-year			887.43	3.57
	50-year			887.76	3.24
	100-yer			888.10	2.90
SRL0111	2-vear	891.00	884.00	886.27	4.73
	5-vear			886.62	4.38
	10-vear			886.98	4.02
	25-vear			887.51	3.49
	50-year			887.83	3.17
	100-yer			888.17	2.83
SRL0112	2-vear	891.00	884.10	886.70	4.30
	5-vear		500	887.08	3.92
	10-vear			887.31	3.69
	25-vear			887.73	3.27
	50-vear			888.02	2.98
	100-yer			888.39	2.61
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					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0113	2-year	892.80	884.20	887.07	5.73
	5-year			887.38	5.42
	10-year			887.55	5.25
	25-year			887.90	4.90
	50-year			888.18	4.62
	100-yer			888.62	4.18
SRL0114	2-year	893.00	885.20	887.34	5.66
	5-year			887.71	5.29
	10-year			887.88	5.12
	25-year			888.29	4.71
	50-year			888.65	4.35
	100-yer			889.36	3.64
SRL0115	2-year	892.91	885.83	887.99	4.92
	5-year			888.24	4.67
	10-year			888.33	4.58
	25-year			888.61	4.30
	50-year			888.87	4.04
	100-yer			889.48	3.43
SRL0116	2-year	893.00	886.58	889.17	3.84
	5-year			890.06	2.94
	10-year			890.49	2.51
	25-year			891.36	1.64
	50-year			892.07	0.93
	100-yer			892.39	0.61
SRL0117	2-year	893.25	887.25	889.22	4.03
	5-year			890.07	3.18
	10-year			890.50	2.75
	25-year			891.36	1.89
	50-year			892.07	1.18
	100-yer			892.40	0.85
SRL0118	2-year	893.89	887.31	890.76	3.13
	5-year			892.29	1.60
	10-year			892.98	0.91
	25-year			893.18	0.71
	50-year			893.28	0.61
	100-yer			893.36	0.53
SRL0119	2-year	900.90	893.82	895.66	5.24
	5-year			898.97	1.93
	10-year			899.02	1.88
	25-year			899.06	1.84
	50-year			899.09	1.81
	100-yer			899.12	1.78
SRL0120	2-year	900.87	894.02	896.12	4.75
	5-year			899.03	1.84
	10-year			899.06	1.81
	25-year			899.09	1.78
	50-year			899.11	1.76
	100-yer			899.13	1.74

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0121	2-year	900.95	894.48	899.24	1.71
	5-year			899.40	1.55
	10-year			899.44	1.51
	25-year			899.49	1.46
	50-year			899.52	1.43
	100-yer			899.57	1.38
SRL01401	2-year	910.92	904.16	908.09	2.83
	5-year			908.20	2.72
	10-year			908.25	2.67
	25-year			908.41	2.51
	50-year			908.54	2.38
	100-yer			908.73	2.19
SRL01402	2-year	911.05	904.32	907.20	3.85
	5-year			908.28	2.77
	10-year			908.35	2.70
	25-year			908.43	2.62
	50-year			908.57	2.48
	100-yer			908.75	2.30
SRL01403	2-vear	911.00	904.33	907.25	3.75
	5-vear			908.33	2.67
	10-vear			908.45	2.55
	25-vear			908.61	2.39
	50-vear			908.83	2.17
	100-ver			909.02	1.98
SRL01501	2-vear	914.00	904.95	910.05	3.95
	5-vear			910.14	3.86
	10-vear			910.18	3.82
	25-vear			910.22	3.78
	50-vear			910.25	3.75
	100-ver			910.29	3.71
SRI 01502	2-vear	919.00	909.83	914 03	4 97
011201002	5-vear	010100		914 19	4 81
	10-vear			914.26	4 74
	25-vear			914.32	4 68
	50-vear			914.36	4.60
	100-ver			914 42	4 58
SRI 01503	2-vear	Q16 02	910 00	014 22	1.80
511201303	5-vear	510.02	510.00	91 <i>4 2</i> 0	1.00
	10-vear			01 <i>1</i> / 8	1.02
	25-1/02r			Q1/ 57	1.00
	50-vear			914.57	1.40
	100-ver			914.03	1 32
SRI 0201	2_ve2r	888 28	884 28	288 UJ	2.02
JILUZUI	5-vear	000.20	004.20	886 74	2.20
	10-vear			2000.74 227 16	1.04
	25-1/02r			887 /6	1.12 0.82
	50-vear			227 56	0.02
	100-year			887 65	0.72
	100-yei			007.00	0.03

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0202	2-year	890.00	885.30	887.01	2.99
	5-year			887.13	2.87
	10-year			887.26	2.74
	25-year			887.53	2.47
	50-year			887.63	2.37
	100-yer			887.73	2.27
SRL0203	2-year	891.93	885.68	888.84	3.09
	5-year			890.68	1.25
	10-year			891.01	0.92
	25-year			891.08	0.85
	50-year			891.12	0.81
	100-yer			891.16	0.77
SRL0204	2-year	892.94	885.86	889.62	3.32
	5-year			890.69	2.25
	10-vear			891.02	1.92
	25-vear			891.09	1.85
	50-vear			891.13	1.81
	100-ver			891.17	1.77
SRI 0301	2-vear	889 64	880 64	885.36	4 28
ONLOODI	5-vear	000.01	000.01	886.59	3.05
	10-vear			887.36	2 28
	25-vear			888.28	1.36
	50-vear			888 75	0.89
	100-ver			888.87	0.77
SRL0302	2-vear	892.32	882.82	890.57	1.75
0	5-vear		002.02	890.73	1.59
	10-vear			890.81	1.51
	25-vear			890.90	1.42
	50-vear			890.96	1.36
	100-ver			891.03	1.29
SRI 0303	2-vear	892 85	883 52	891 12	1 73
ONLOODO	5-vear	002.00	000.02	891.21	1.76
	10-vear			891.25	1.61
	25-vear			891.20	1.00
	50-vear			801.30	1.55
	100-ver			891.38	1.01
SDI 0304	2-voar	804.02	885.02	802.35	1.47
SILU304	z-year 5-year	094.02	003.02	802.33	1.07
	10-voor			802.44	1.50
	25 year			092.49	1.55
	20-year			092.00 092.00	1.47
	100-year			092.00 202 65	1.42
	2-veor	90E 0E	005 60	032.00	1.37
SKLU3U3	Z-yedi	090.05	000.03	033.30	1.09
	J-year			093.40	1.00
	25 year			093.49	1.50
	20-year			093.00	1.00
	100 year			093.09	1.40
	roo-yer			აყა. 64	1.41

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0306	2-year	897.88	890.88	896.14	1.74
	5-year			896.22	1.66
	10-year			896.26	1.62
	25-year			896.31	1.57
	50-year			896.35	1.53
	100-yer			896.39	1.49
SRL0307	2-year	897.55	891.55	896.09	1.46
	5-year			896.16	1.39
	10-year			896.20	1.35
	25-year			896.25	1.30
	50-year			896.29	1.26
	100-yer			896.34	1.21
SRL03A01	2-vear	890.00	883.12	885.36	4.64
	5-year			886.59	3.41
	10-vear			887.36	2.64
	25-year			888.28	1.72
	50-vear			888.75	1.25
	100-ver			888.87	1.13
SRI 03B01	2-vear	892.00	885 85	890.57	1 43
ORLOODOR	5-vear	002.00	000.00	890 73	1.10
	10-vear			890.81	1.27
	25-vear			890.90	1.10
	50-vear			890.96	1.10
	100-ver			891.03	0.97
SRI 0401	2-vear	898 53	890.03	894 99	3 54
OREGIOT	5-vear	000.00	000.00	895.20	3 33
	10-vear			895 31	3 22
	25-vear			895.44	3.09
	50-vear			895.53	3.00
	100-ver			895.64	2.89
SBI 0402	2-vear	808.82	800 32	806.21	2.00
SIL0402	2-year	090.02	090.32	806.38	2.01
	10-year			806.46	2.44
	25-1/02r			200.40 206 56	2.30
	20-year			000.00	2.20
	100-year			2080.03 206 72	2.19
SDI 0402	2 voor	000 50	000 E0	030.72	2.10
SRL0403	z-year	900.50	693.56	898.79	1.71
	5-year			899.02	1.48
	10-year			899.15	1.35
	∠5-year			899.30	1.20
	100 year			899.40	1.10
	100-yer	007.40	000.00	899.54	0.96
SKL0404	∠-year	907.10	900.60	905.52	1.58
	5-year			905.68	1.42
	10-year			905.76	1.34
	25-year			905.86	1.24
	50-year			905.93	1.17
	100-yer			906.02	1.08

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0405	2-year	914.51	905.59	910.95	3.56
	5-year			911.11	3.40
	10-year			911.20	3.31
	25-year			911.30	3.21
	50-year			911.37	3.14
	100-yer			911.46	3.05
SRL0406	2-year	913.55	905.63	911.21	2.34
	5-year			911.41	2.14
	10-year			911.51	2.04
	25-year			911.65	1.90
	50-year			911.74	1.81
	100-yer			911.86	1.69
SRL0407	2-year	915.55	906.72	912.81	2.74
	5-year			912.91	2.64
	10-year			912.96	2.59
	25-year			913.02	2.53
	50-year			913.06	2.49
	100-yer			913.11	2.44
SRL0408	2-year	921.46	916.21	920.75	0.71
	5-year			920.86	0.60
	10-year			920.91	0.55
	25-year			920.98	0.48
	50-year			921.02	0.44
	100-yer			921.08	0.38
SRL0501	2-year	899.11	891.11	893.34	5.77
	5-year			893.84	5.27
	10-year			894.23	4.88
	25-year			895.13	3.98
	50-year			895.74	3.37
	100-yer			896.85	2.26
SRL0601	2-year	900.58	894.08	899.27	1.31
	5-year			900.04	0.54
	10-year			900.17	0.41
	25-year			900.30	0.28
	50-year			900.39	0.19
	100-yer			900.49	0.09
SRL0602	2-year	902.58	895.08	900.76	1.82
	5-year			900.92	1.66
	10-year			900.98	1.60
	25-year			901.04	1.54
	50-year			901.09	1.49
	100-yer			901.15	1.43
SRL0603	2-year	904.04	896.62	902.12	1.92
	5-year			902.18	1.86
	10-year			902.21	1.83
	25-year			902.24	1.80
	50-year			902.26	1.78
	100-yer			902.29	1.75

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0604	2-year	907.08	898.83	905.20	1.88
	5-year			905.25	1.83
	10-year			905.28	1.80
	25-year			905.31	1.77
	50-year			905.34	1.74
	100-yer			905.37	1.71
SRL0605	2-year	907.74	900.07	905.89	1.85
	5-year			905.93	1.81
	10-year			905.95	1.79
	25-year			905.98	1.76
	50-year			906.00	1.74
	100-yer			906.03	1.71
SRL0606	2-year	908.34	901.59	906.51	1.83
	5-year			906.56	1.78
	10-year			906.59	1.75
	25-year			906.62	1.72
	50-year			906.64	1.70
	100-yer			906.67	1.67
SRL0607	2-year	908.35	903.02	906.53	1.82
	5-year			906.57	1.78
	10-year			906.60	1.75
	25-year			906.63	1.72
	50-year			906.65	1.70
	100-yer			906.68	1.67
SRL0701	2-year	905.65	898.32	900.50	5.15
	5-year			902.68	2.97
	10-year			903.74	1.91
	25-year			903.92	1.73
	50-year			904.01	1.64
	100-yer			904.09	1.56
SRL0702	2-year	910.89	901.89	903.45	7.44
	5-year			905.97	4.92
	10-year			907.94	2.95
	25-year			908.06	2.84
	50-year			908.10	2.79
	100-yer			908.14	2.75
SRL0703	2-year	915.52	907.52	909.08	6.44
	5-year			913.58	1.94
	10-year			913.67	1.85
	25-year			913.72	1.80
	50-year			913.75	1.77
	100-yer			913.79	1.74
SRL0704	2-year	920.38	912.46	916.42	3.96
	5-year			918.54	1.84
	10-year			918.59	1.79
	25-year			918.64	1.74
	50-year			918.67	1.71
	100-yer			918.71	1.67

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0705	2-year	921.22	914.05	919.27	1.95
	5-year			919.45	1.77
	10-year			919.49	1.73
	25-year			919.54	1.68
	50-year			919.57	1.65
	100-yer			919.61	1.61
SRL0706	2-year	924.23	917.90	922.37	1.86
	5-year			922.48	1.75
	10-year			922.52	1.71
	25-year			922.58	1.65
	50-year			922.62	1.61
	100-yer			922.67	1.56
SRL0707	2-year	924.88	919.80	924.18	0.70
	5-year			924.32	0.56
	10-year			924.38	0.50
	25-year			924.46	0.42
	50-year			924.51	0.37
	100-yer			924.58	0.30
SRL0801	2-year	913.04	898.04	900.78	12.26
	5-year			902.75	10.29
	10-year			903.34	9.70
	25-year			903.58	9.46
	50-year			903.71	9.33
	100-yer			903.85	9.19
SRL0802	2-year	908.96	900.00	902.37	6.59
	5-year			902.88	6.08
	10-year			903.42	5.54
	25-year			903.69	5.27
	50-year			903.82	5.14
	100-yer			903.96	5.00
SRL0803	2-year	909.00	900.56	903.91	5.09
	5-year			904.38	4.62
	10-year			904.55	4.45
	25-year			904.70	4.30
	50-year			904.79	4.21
	100-yer			904.90	4.10
SRL0804	2-year	911.00	905.73	906.89	4.11
	5-year			907.05	3.95
	10-year			907.12	3.88
	25-year			907.19	3.81
	50-year			907.23	3.77
	100-yer			907.29	3.71
SRL0901	2-year	907.05	899.70	900.39	6.66
	5-year			900.94	6.11
	10-year			901.22	5.83
	25-year			901.51	5.54
	50-year			901.68	5.37
	100-yer			901.89	5.16

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL0902	2-year	907.10	901.05	901.62	5.48
:	5-year			901.74	5.36
	10-year			901.82	5.28
	25-year			902.08	5.02
:	50-year			902.66	4.44
	100-yer			903.15	3.95
SRL0903	2-year	907.30	902.30	902.98	4.32
:	5-year			903.39	3.91
	10-year			903.82	3.48
	25-year			904.29	3.01
:	50-year			905.31	1.99
	100-yer			905.98	1.32
SRL0904	2-year	907.98	903.98	904.49	3.49
	5-year			904.60	3.38
	10-year			904.86	3.12
	25-year			905.75	2.23
	50-year			906.99	0.99
	100-yer			907.02	0.96
SRL09A01	2-year	909.00	899.65	901.35	7.65
:	5-year			902.04	6.96
	10-year			902.53	6.47
	25-year			903.13	5.87
:	50-year			903.57	5.43
	100-yer			904.06	4.94
SRL09A02	2-year	921.00	916.18	916.92	4.08
:	5-year			917.05	3.95
	10-year			917.13	3.87
	25-year			917.21	3.79
:	50-year			917.27	3.73
	100-yer			917.34	3.66
SRL09A03	2-year	921.00	917.18	918.81	2.19
:	5-year			920.06	0.94
	10-year			920.17	0.83
	25-year			920.26	0.74
	50-year			920.31	0.69
	100-yer			920.36	0.64
SRL09B01	2-year	904.05	901.05	901.05	3.00
	- 5-year			901.05	3.00
	10-year			901.22	2.83
	25-year			901.51	2.54
	50-year			901.68	2.37
	100-yer			901.89	2.16
SRL1001	2-year	908.13	899.92	900.69	7.44
-	5-year			900.84	7.29
	10-year			900.90	7.23
	25-year			901.05	7.08
	50-year			901.13	7.00
	100-yer			901.23	6.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1002	2-year	908.17	900.50	901.55	6.62
	5-year			902.21	5.96
	10-year			902.50	5.67
	25-year			903.50	4.67
	50-year			904.25	3.92
	100-yer			905.50	2.67
SRL1003	2-year	908.36	902.11	903.17	5.19
	5-year			905.45	2.91
	10-year			906.39	1.97
	25-year			906.52	1.84
	50-year			906.57	1.79
	100-yer			906.63	1.73
SRL1004	2-year	908.57	903.32	904.22	4.35
	5-year			906.62	1.95
	10-year			906.66	1.91
	25-year			906.68	1.89
	50-year			906.70	1.87
	100-yer			906.71	1.86
SRL1101	2-vear	910.24	899.25	902.99	7.25
	5-vear			904.70	5.54
	10-vear			906.32	3.92
	25-vear			906.54	3.70
	50-vear			906.75	3.49
	100-ver			906.91	3.33
SRL1102	2-vear	912.64	902.72	905.55	7.09
	5-vear			908.36	4.28
	10-vear			908.84	3.80
	25-vear			908.89	3.75
	50-vear			908.98	3.66
	100-ver			909.05	3.59
SRI 1103	2-vear	913 04	904 87	907.06	5.98
ORETTOO	5-vear	010.01	001.07	911.01	2.03
	10-vear			911.01	1.88
	25-vear			911.20	1.86
	50-vear			911.20	1.04
	100-ver			911.34	1.70
SPI 1104	2-voar	015 52	007.85	008.02	6.60
SIXLIII04	z-year 5-year	915.52	307.03	900.92	2.08
	10-voor			012.34	2.30
	25_veer			012.70	2.02
	50-vear			012 62	1 80
	100-ver			012 66	1.09
SRI 1105	2-vear	010.04	012 61	012 75	F 10
SKLIIUS	2-year	919.94	912.01	913.73	0.19 1 17
	10-year			015 00	4.47
	25-year			910.02	<u>4.12</u>
	20-year			317.33 019.05	2.01
	100-year			010.00	1.09
	roo-yer			919.08	1.80

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1106	2-year	922.46	915.38	916.80	5.66
	5-year			919.59	2.87
	10-year			920.20	2.26
	25-year			920.59	1.87
	50-year			920.62	1.84
	100-yer			920.65	1.81
SRL1107	2-year	923.53	918.03	918.65	4.88
	5-year			918.81	4.72
	10-year			918.90	4.63
	25-year			919.03	4.50
	50-year			919.13	4.40
	100-yer			919.29	4.24
SRL1108	2-year	922.90	918.40	919.05	3.85
	5-year			919.21	3.69
	10-year			919.31	3.59
	25-year			919.43	3.47
	50-year			919.54	3.36
	100-yer			919.71	3.19
SRL1109	2-year	925.00	919.99	920.74	4.26
	5-year			920.99	4.01
	10-year			921.37	3.63
	25-year			922.25	2.75
	50-year			922.97	2.03
	100-yer			924.48	0.52
SRL1110	2-year	926.00	920.49	921.19	4.81
	5-year			921.43	4.57
	10-year			921.89	4.11
	25-year			923.07	2.93
	50-year			924.02	1.98
	100-yer			925.87	0.13
SRL11A01	2-year	910.00	904.14	905.55	4.45
	5-year			908.36	1.64
	10-year			908.84	1.16
	25-year			908.90	1.10
	50-year			908.98	1.02
	100-yer			909.05	0.95
SRL11A02	2-year	911.00	904.65	905.55	5.45
	5-year			908.36	2.64
	10-year			908.84	2.16
	25-year			908.90	2.10
	50-year			908.98	2.02
	100-yer			909.06	1.94
SRL11B01	2-year	912.00	907.47	907.47	4.53
	5-year			911.02	0.98
	10-year			911.16	0.84
	25-year			911.20	0.80
	50-year			911.28	0.72
	100-yer			911.34	0.66

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL11C01	2-year	914.00	909.82	909.82	4.18
	5-year			912.54	1.46
	10-year			912.70	1.30
	25-year			913.20	0.80
	50-year			913.63	0.37
	100-yer			913.67	0.33
SRL11C02	2-year	915.00	910.25	910.25	4.75
	5-year			912.54	2.46
	10-year			912.70	2.30
	25-year			913.20	1.80
	50-year			913.63	1.37
	100-yer			913.67	1.33
SRL11D01	2-year	919.00	913.98	913.98	5.02
	5-year			915.48	3.52
	10-year			915.82	3.18
	25-year			917.95	1.05
	50-year			918.06	0.94
	100-yer			918.10	0.90
SRL11E01	2-vear	919.00	913.35	913.75	5.25
	5-vear			915.47	3.53
	10-vear			915.82	3.18
	25-vear			917.94	1.06
	50-vear			918.06	0.94
	100-ver			918.10	0.90
SRL11F01	2-vear	921.00	916.54	916.80	4.20
	5-vear			919.60	1.40
	10-vear			920.20	0.80
	25-vear			920.59	0.41
	50-vear			920.63	0.37
	100-ver			920.66	0.34
SRI 11F02	2-vear	920 72	917 47	917 47	3 25
ORETH 02	5-vear	520.72	017.47	919.60	1 12
	10-vear			920.20	0.52
	25-vear			920.20	0.52
	50-vear			920.00	0.12
	100-ver			920.03	0.09
SRI 1201	2-vear	006.00	800 20	000 26	5.00
	2-year 5-year	300.00	099.29	00.30	2 20
	10-year			902.01	3.09
	25-vear			302.94 002.22	3.00 2 77
	20-yeai			203.23 203.23	2.11
	100-year			903.39	2.01
SDI 1202	2-xeor	006.02	900 EE	001 42	2.04
SRL1202	z-yeai 5-year	900.03	099.00	901.43 002 64	4.00
	J-year			902.01	3.4Z
	25 year			902.94	3.09
	20-year			903.23	2.60
	100 year			903.39	2.04
	roo-yer			903.66	2.31

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1601	2-year	914.97	910.07	911.19	3.78
	5-year			912.28	2.69
	10-year			913.07	1.90
	25-year			913.60	1.37
	50-year			914.07	0.90
	100-yer			914.27	0.70
SRL1602	2-year	921.21	916.46	919.29	1.92
	5-year			919.33	1.88
	10-year			919.35	1.86
	25-year			919.37	1.84
	50-year			919.38	1.83
	100-yer			919.40	1.81
SRL1701	2-year	919.39	910.56	915.69	3.70
	5-year			915.94	3.45
	10-year			916.02	3.37
	25-year			916.11	3.28
	50-year			916.18	3.21
	100-yer			916.26	3.13
SRL1702	2-year	925.42	916.09	919.30	6.12
	5-year			920.55	4.87
	10-year			920.59	4.83
	25-year			920.63	4.79
	50-year			920.66	4.76
	100-yer			920.70	4.72
SRL1703	2-year	923.53	917.45	921.24	2.29
	5-year			921.72	1.81
	10-year			921.76	1.77
	25-year			921.81	1.72
	50-year			921.84	1.69
	100-yer			921.87	1.66
SRL1704	2-year	930.15	924.48	926.03	4.12
	5-year			928.22	1.93
	10-year			928.27	1.88
	25-year			928.31	1.84
	50-year			928.34	1.81
	100-yer			928.37	1.78
SRL1705	2-year	930.16	925.58	927.13	3.03
	5-year			928.36	1.80
	10-year			928.39	1.77
	25-year			928.43	1.73
	50-year			928.46	1.70
	100-yer			928.49	1.67
SRL17A01	2-year	921.00	916.81	919.30	1.70
	5-year			920.55	0.45
	10-year			920.59	0.41
	25-year			920.64	0.36
	50-year			920.66	0.34
	100-yer			920.70	0.30

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL17B01	2-year	922.00	918.18	921.24	0.76
	5-year			921.72	0.28
	10-year			921.76	0.24
	25-year			921.81	0.19
	50-year			921.84	0.16
	100-yer			921.88	0.12
SRL1801	2-year	929.93	916.74	917.80	12.12
	5-year			917.99	11.93
	10-year			918.11	11.82
	25-year			918.22	11.71
	50-year			918.31	11.62
	100-yer			918.39	11.54
SRL1802	2-year	929.00	918.60	920.85	8.15
	5-year			921.36	7.64
	10-year			921.83	7.17
	25-year			923.42	5.58
	50-year			924.56	4.44
	100-yer			925.70	3.30
SRL1803	2-year	933.00	924.00	925.87	7.13
	5-year			926.16	6.84
	10-year			926.33	6.67
	25-year			926.54	6.46
	50-year			926.68	6.32
	100-yer			926.83	6.17
SRL1804	2-year	932.68	924.20	926.10	6.58
	5-year			926.43	6.25
	10-year			926.62	6.06
	25-year			926.86	5.82
	50-year			927.01	5.67
	100-yer			927.19	5.50
SRL1805	2-year	935.00	925.00	929.05	5.95
	5-year			929.36	5.64
	10-year			929.48	5.52
	25-year			929.65	5.35
	50-year			929.73	5.27
	100-yer			929.82	5.18
SRL1806	2-year	940.59	930.09	931.89	8.70
	5-year			933.46	7.13
	10-year			935.18	5.41
	25-year			935.70	4.89
	50-year			935.74	4.85
	100-yer			935.79	4.80
SRL1807	2-year	937.02	930.70	933.12	3.90
	5-year			935.12	1.90
	10-year			935.40	1.62
	25-year			935.74	1.28
	50-year			935.78	1.24
	100-yer			935.83	1.19

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL1808	2-year	938.41	930.91	933.49	4.92
	5-year			935.81	2.60
	10-year			936.34	2.07
	25-year			936.51	1.90
	50-year			936.54	1.87
	100-yer			936.57	1.84
SRL1809	2-year	937.57	932.40	934.86	2.71
	5-year			935.97	1.60
	10-year			936.35	1.22
	25-year			936.52	1.05
	50-year			936.55	1.02
	100-yer			936.59	0.98
SRL18A01	2-year	933.26	926.26	930.04	3.22
	5-year			932.40	0.86
	10-year			932.58	0.68
	25-year			932.72	0.54
	50-year			932.80	0.46
	100-yer			932.88	0.38
SRL18A02	2-vear	935.66	927.66	930.58	5.08
	5-vear			932.76	2.90
	10-vear			932.81	2.85
	25-vear			932.85	2.81
	50-vear			932.88	2.78
	100-ver			932.91	2.75
SRL18A03	2-vear	933.85	927.85	931.09	2.76
	5-vear			932.76	1.09
	10-vear			932.81	1.04
	25-vear			932.85	1.00
	50-vear			932.88	0.97
	100-ver			932.91	0.94
SRI 1901	2-vear	928.02	925.02	925 49	2 53
01121001	5-vear	020102	020102	925.58	2 44
	10-vear			925.63	2.39
	25-vear			925 70	2.00
	50-vear			925.70	2.02
	100-ver			925.80	2.20
SRI 1902	2-vear	Q31 50	925 17	929.00	2.22
ORETOOZ	5-vear	551.50	525.17	929.57	1 93
	10-vear			929.57	1.95
	25-1/02r			929.00	1.30
	50-vear			929.03	1.07
	100-ver			929.00	1.00
SRI 1002	2-vear	033 00	007 67	929.07 020.00	1.00
SUL 1903	z-yeai 5-year	933.00	921.01	929.00	J.92
	10-year			900.09 020.09	2.91
	25-year			930.20	2.12
	20-year			930.00	2.40
	100-year			930.00	2.12
	roo-yei			931.04	1.90

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRL2001	2-year	932.00	922.92	923.54	8.46
	5-year			923.68	8.32
	10-year			923.75	8.25
	25-year			923.83	8.17
	50-year			923.89	8.11
	100-yer			923.96	8.04
SRL2002	2-year	934.58	926.16	931.77	2.81
	5-year			931.94	2.64
	10-year			932.02	2.56
	25-year			932.11	2.47
	50-year			932.18	2.40
	100-yer			932.25	2.33
SRL2003	2-year	933.65	926.92	932.03	1.61
	5-year			932.17	1.48
	10-year			932.23	1.41
	25-year			932.31	1.33
	50-year			932.37	1.28
	100-yer			932.44	1.21
SRL2101	2-year	946.74	934.45	935.74	11.00
	5-year			938.33	8.42
	10-year			941.58	5.16
	25-year			942.99	3.75
	50-year			943.11	3.63
	100-yer			943.23	3.52
SRL2102	2-year	946.86	935.90	938.07	8.79
	5-year			942.14	4.72
	10-year			943.24	3.62
	25-year			943.42	3.44
	50-year			943.47	3.39
	100-yer			943.54	3.32
SRL2103	2-year	945.94	936.72	939.29	6.65
	5-year			943.23	2.71
	10-year			943.42	2.52
	25-year			943.54	2.40
	50-year			943.59	2.35
	100-yer			943.66	2.28
SRL3C01	2-year	893.00	887.03	892.35	0.65
	5-year			892.44	0.56
	10-year			892.49	0.51
	25-year			892.55	0.45
	50-year			892.60	0.40
	100-yer			892.65	0.35
SRMC00	2-year	903.00	860.95	863.22	39.78
	5-year			863.58	39.42
	10-year			863.78	39.22
	25-year			864.00	39.00
	50-year			864.16	38.84
	100-yer			864.35	38.65

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC01	2-year	902.85	866.00	868.28	34.57
	5-year			868.65	34.20
	10-year			868.84	34.01
	25-year			869.06	33.79
	50-year			869.22	33.63
	100-yer			869.40	33.45
SRMC04	2-year	894.26	871.15	875.29	18.97
	5-year			876.24	18.02
	10-year			876.74	17.52
	25-year			877.34	16.92
	50-year			877.79	16.47
	100-yer			878.32	15.94
SRMC05	2-year	888.00	871.87	875.42	12.58
	5-year			876.32	11.68
	10-year			876.81	11.19
	25-year			877.40	10.60
	50-year			877.85	10.15
	100-yer			878.37	9.63
SRMC06	2-year	888.00	879.65	884.79	3.21
	5-year			885.28	2.72
	10-year			885.49	2.51
	25-year			885.73	2.27
	50-year			885.86	2.14
	100-yer			886.03	1.97
SRMC07	2-year	889.35	880.54	884.86	4.49
	5-year			885.55	3.80
	10-year			885.89	3.46
	25-year			886.21	3.14
	50-year			886.43	2.92
	100-yer			886.75	2.60
SRMC08	2-year	888.38	880.90	884.93	3.45
	5-year			885.68	2.70
	10-year			886.05	2.33
	25-year			886.38	2.00
	50-year			886.62	1.76
	100-yer			887.00	1.38
SRMC09	2-year	890.89	882.68	886.40	4.49
	5-year			887.05	3.85
	10-year			887.32	3.57
	25-year			887.65	3.24
	50-year			887.87	3.02
	100-yer			888.15	2.74
SRMC10	2-year	891.69	883.69	887.04	4.65
	5-year			887.76	3.93
	10-year			888.07	3.62
	25-year			888.46	3.23
	50-year			888.71	2.98
	100-yer			889.03	2.66

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC11	2-year	895.00	884.43	887.79	7.21
	5-year			888.46	6.54
	10-year			888.81	6.19
	25-year			889.24	5.76
	50-year			889.52	5.48
	100-yer			889.81	5.19
SRMC12	2-year	895.60	885.10	889.08	6.52
	5-year			889.84	5.76
	10-year			890.24	5.36
	25-year			890.76	4.84
	50-year			891.29	4.31
	100-yer			892.06	3.54
SRMC13	2-year	896.04	889.71	891.00	5.04
	5-year			891.24	4.80
	10-year			891.38	4.66
	25-vear			891.69	4.35
	50-vear			892.11	3.93
	100-yer			893.20	2.84
SRMC14	2-vear	896.73	890.00	892.60	4,13
	5-vear			892.80	3.93
	10-vear			893.00	3 73
	25-vear			893 50	3 23
	50-year			893.85	2.88
	100-ver			894 28	2 45
SRMC15	2-vear	897.00	890 15	893.35	3 65
	5-vear			893 71	3 29
	10-vear			893.93	3.07
	25-vear			894.37	2 63
	50-year			894.98	2.02
	100-ver			895.67	1.33
SRMC16	2-vear	898 94	891.05	893 72	5 22
	5-vear	000.04	001.00	894 21	4 73
	10-vear			894.53	4.70
	25-vear			895 74	3 20
	50-vear			896.13	2 81
	100-ver			896.39	2.51
SRMC18	2-vezr	800 00	801 24	803.05	5.05
	z-year 5-vear	039.00	031.24	201 AC	
	Jo-year			804.80	4.34
	25-vear			205 20	4.20
	20-year			090.09 806 /1	J. 12 2 50
	100-year			2050.41 206 22	2.09
	2-voor	001 04	001 04	030.03	2.17 7 97
	z-yeai 5-year	901.04	091.04	034.47	1.31
	10-year			090.00 QOE 11	0.04 6.42
	25-year			090.41	0.43 5 5 9
	20-year			030.20 207.00	0.00
	100-year			097.00	4.04
	100-yei			091.03	4.01

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC20	2-year	905.00	893.82	898.21	6.79
	5-year			898.65	6.35
	10-year			899.08	5.92
	25-year			899.49	5.51
	50-year			899.57	5.43
	100-yer			899.60	5.40
SRMC22	2-year	913.00	896.70	899.21	13.79
	5-year			899.95	13.05
	10-year			900.56	12.44
	25-year			901.28	11.72
	50-year			901.71	11.29
	100-yer			902.11	10.89
SRMC23	2-year	909.00	896.81	900.36	8.64
	5-year			900.89	8.11
	10-year			901.21	7.79
	25-year			901.51	7.49
	50-year			901.67	7.33
	100-yer			901.88	7.12
SRMC24	2-year	909.00	897.00	900.52	8.48
	5-year			901.13	7.87
	10-year			901.53	7.48
	25-year			901.89	7.11
	50-year			902.09	6.91
	100-yer			902.38	6.62
SRMC25	2-year	910.00	897.45	902.02	7.98
	5-year			902.63	7.37
	10-year			902.94	7.06
	25-year			903.22	6.78
	50-year			903.37	6.63
	100-yer			903.64	6.36
SRMC26	2-year	907.59	899.89	904.31	3.28
	5-year			905.04	2.55
	10-year			905.26	2.33
	25-year			905.46	2.13
	50-year			905.57	2.02
	100-yer			905.74	1.85
SRMC27	2-year	907.69	900.69	904.27	3.42
	5-year			905.25	2.44
	10-year			905.61	2.08
	25-year			905.87	1.82
	50-year			906.06	1.63
	100-yer			906.34	1.35
SRMC28	2-year	911.00	904.00	907.43	3.57
	5-year			907.69	3.31
	10-year			907.88	3.12
	25-year			908.05	2.95
	50-year			908.16	2.84
	100-yer			908.32	2.68

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC29	2-year	913.00	904.11	907.65	5.35
	5-year			908.01	4.99
	10-year			908.21	4.79
	25-year			908.42	4.58
	50-year			908.54	4.46
	100-yer			908.73	4.27
SRMC30	2-year	911.00	904.51	908.25	2.75
	5-year			908.74	2.26
	10-year			909.09	1.91
	25-year			909.44	1.56
	50-year			909.64	1.36
	100-yer			909.95	1.05
SRMC31	2-year	917.43	905.43	908.75	8.68
	5-year			909.98	7.45
	10-year			910.39	7.04
	25-year			910.79	6.64
	50-year			910.97	6.46
	100-yer			911.30	6.13
SRMC32	2-year	920.00	908.00	910.10	9.90
	5-year			911.07	8.93
	10-year			911.41	8.59
	25-year			911.93	8.07
	50-year			913.34	6.66
	100-yer			913.66	6.34
SRMC33	2-year	914.81	908.44	910.51	4.30
	5-year			911.39	3.42
	10-year			911.75	3.06
	25-year			912.43	2.38
	50-year			913.76	1.05
	100-yer			914.12	0.69
SRMC34	2-year	916.87	909.00	911.01	5.86
	5-year			911.80	5.07
	10-year			912.18	4.69
	25-year			913.03	3.84
	50-year			914.13	2.74
	100-yer			914.54	2.33
SRMC35	2-year	919.27	909.33	912.68	6.58
	5-year			913.25	6.01
	10-year			913.53	5.73
	25-year			914.17	5.10
	50-year			914.72	4.54
	100-yer			915.13	4.13
SRMC36	2-year	918.00	911.95	913.29	4.71
	5-year			913.87	4.13
	10-year			914.50	3.50
	25-year			915.55	2.45
	50-year			916.77	1.23
	100-yer			917.75	0.25

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SRMC37	2-year	920.00	912.78	914.91	5.09
	5-year			915.34	4.66
	10-year			915.87	4.13
	25-year			916.40	3.60
	50-year			916.68	3.32
	100-yer			916.95	3.05
SRMC38	2-year	924.00	915.47	916.06	7.94
	5-year			916.50	7.50
	10-year			916.86	7.14
	25-year			917.18	6.82
	50-year			917.36	6.64
	100-yer			917.53	6.47
SRMC39	2-year	926.89	915.91	916.91	9.98
	5-year			917.63	9.26
	10-year			918.13	8.76
	25-year			918.52	8.37
	50-year			918.74	8.15
	100-yer			918.95	7.94
SRMC40	2-year	931.00	918.64	925.48	5.52
	5-year			926.65	4.35
	10-year			927.02	3.98
	25-year			927.43	3.57
	50-year			927.74	3.26
	100-yer			928.13	2.87
SRMC41	2-year	934.00	921.32	922.55	11.45
	5-year			922.81	11.19
	10-year			922.93	11.07
	25-year			923.08	10.92
	50-year			923.19	10.81
	100-yer			923.33	10.67
SRMC42	2-year	943.39	927.46	929.57	13.82
	5-year			929.81	13.58
	10-year			929.93	13.46
	25-year			930.07	13.32
	50-year			930.18	13.21
	100-yer			930.31	13.08
SRMC43	2-year	945.50	927.61	930.12	15.38
	5-year			930.64	14.86
	10-year			930.92	14.58
	25-year			931.50	14.00
	50-year			931.97	13.53
	100-yer			932.85	12.65
SRMC44	2-year	942.54	927.67	930.21	12.34
	5-year			930.82	11.72
	10-year			931.10	11.44
	25-year			931.81	10.73
	50-year			932.36	10.18
	100-yer			933.36	9.19

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
SYMC00	2-year	903.00	870.86	871.38	31.62
	5-year			871.49	31.51
	10-year			871.56	31.44
	25-year			871.63	31.37
	50-year			871.69	31.31
	100-yer			871.75	31.25
SYMC01	2-year	906.94	900.61	901.13	5.81
	5-year			901.25	5.69
	10-year			901.31	5.63
	25-year			901.38	5.56
	50-year			901.44	5.50
	100-yer			901.50	5.44
SYMC02	2-year	907.20	900.87	902.25	4.95
	5-year			902.55	4.65
	10-year			902.72	4.48
	25-year			902.97	4.23
	50-year			903.19	4.01
	100-yer			903.71	3.49
SYMC03	2-year	912.79	906.71	907.48	5.31
	5-year			907.67	5.13
	10-year			907.76	5.03
	25-year			907.89	4.90
	50-year			907.98	4.81
	100-yer			908.10	4.69
SYMC04	2-year	916.08	910.66	911.37	4.71
	5-year			911.52	4.56
	10-year			911.61	4.47
	25-year			911.71	4.37
	50-year			911.79	4.29
	100-yer			911.90	4.18
SYMC05	2-year	916.13	911.21	912.38	3.75
	5-year			912.68	3.45
	10-year			912.96	3.17
	25-year			913.70	2.43
	50-year			914.11	2.02
	100-yer			914.64	1.49
UWL101	2-year	913.00	902.91	903.86	9.14
	5-year			903.93	9.07
	10-year			904.00	9.00
	25-year			904.09	8.91
	50-year			904.14	8.86
	100-yer			904.20	8.80
UWL201	2-year	920.00	908.00	910.69	9.31
	5-year			910.97	9.03
	10-year			911.09	8.91
	25-year			911.24	8.76
	50-year			911.34	8.66
	100-yer			911.46	8.54

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
UWL301	2-year	931.00	915.78	916.58	14.42
	5-year			916.78	14.22
	10-year			916.90	14.10
	25-year			917.03	13.97
	50-year			917.11	13.89
	100-yer			917.22	13.78
UWL302	2-year	959.00	946.34	947.94	11.06
	5-year			948.32	10.68
	10-year			948.51	10.49
	25-year			948.74	10.26
	50-year			948.88	10.12
	100-yer			949.05	9.95
UWMC00	2-year	897.00	884.53	892.02	4.98
	5-year			893.15	3.85
	10-year			893.63	3.37
	25-year			894.06	2.94
	50-year			894.30	2.70
	100-yer			894.81	2.19
UWMC01	2-year	897.00	885.58	892.58	4.42
	5-year			893.52	3.48
	10-year			894.01	2.99
	25-year			894.50	2.50
	50-year			894.80	2.20
	100-yer			895.26	1.74
UWMC02	2-year	900.00	886.00	892.72	7.28
	5-year			893.61	6.39
	10-year			894.09	5.91
	25-year			894.58	5.42
	50-year			894.89	5.11
	100-yer			895.33	4.67
UWMC03	2-year	900.00	886.32	892.75	7.25
	5-year			893.81	6.19
	10-year			894.38	5.62
	25-year			895.04	4.96
	50-year			895.47	4.53
	100-yer			896.06	3.94
UWMC04	2-year	913.00	893.90	896.35	16.65
	5-year			896.93	16.07
	10-year			897.25	15.75
	25-year			897.63	15.37
	50-year			897.89	15.11
	100-yer			898.21	14.79
UWMC05	2-year	911.00	895.00	897.51	13.49
	- 5-year			898.08	12.92
	10-year			898.40	12.60
	25-year			898.77	12.23
	50-year			899.02	11.98
	100-yer			899.34	11.66

					Max WSE	
		Ground	Invert	Max Water	Relative to	
Node	Return	Elevation	Elevation	Elevation	Ground	
Name	Period	(feet)	(feet)	(feet)	(feet)	
UWMC06	2-year	912.00	901.39	902.93	9.07	
	5-year			903.30	8.70	
	10-year			903.50	8.50	
	25-year			903.73	8.27	
	50-year			903.89	8.11	
	100-yer			904.09	7.91	
UWMC07	2-year	920.00	902.70	906.72	13.28	
	5-year			907.41	12.59	
	10-year			907.77	12.23	
	25-year			908.20	11.80	
	50-year			908.49	11.52	
	100-yer			908.84	11.16	
UWMC08	2-year	922.00	907.00	908.94	13.06	
	5-year			909.37	12.63	
	10-year			909.60	12.40	
	25-year			909.88	12.12	
	50-year			910.07	11.93	
	100-yer			910.30	11.70	
UWMC09	2-year	945.00	924.05	925.38	19.62	
	5-year			925.74	19.26	
	10-year			925.92	19.08	
	25-year			926.15	18.85	
	50-year			926.30	18.70	
	100-yer			926.48	18.52	
UWMC10	2-year	956.00	935.70	938.37	17.63	
	5-year			939.02	16.98	
	10-year			939.35	16.65	
	25-year			939.73	16.27	
	50-year			939.98	16.02	
	100-yer			940.29	15.71	
UWMC11	2-year	966.00	945.11	946.34	19.66	
	5-year			946.71	19.29	
	10-year			946.89	19.11	
	25-year			947.10	18.90	
	50-year			947.25	18.75	
	100-yer			947.44	18.56	
UWMC12	2-vear	1002.00	984.56	986.98	15.02	
	5-year			987.50	14.50	
	10-vear			987.74	14.26	
	25-year			988.04	13.96	
	50-year			988.23	13.77	
	100-yer			988.46	13.54	
VCL102	2-vear	904.00	891.74	893.41	10.59	
	5-year			893.80	10.20	
	10-year			894.00	10.00	
	25-year			894.24	9.76	
	50-year			894.40	9.60	
	100-yer			894.60	9.40	
					Max WSE	
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		Ground	Invert	Max Water	Relative to	
Node	Return	Elevation	Elevation	Elevation	Ground	
Name	Period	(feet)	(feet)	(feet)	(feet)	
VCL201	2-year	936.00	926.49	927.34	8.66	
	5-year			927.47	8.53	
	10-year			927.55	8.45	
	25-year			927.63	8.37	
	50-year			927.68	8.32	
	100-yer			927.75	8.25	
VCMC01	2-year	890.00	860.79	863.80	26.20	
	5-year			864.75	25.25	
	10-year			865.26	24.74	
	25-year			865.62	24.38	
	50-year			865.86	24.14	
	100-yer			866.12	23.88	
VCMC02	2-year	890.00	873.67	877.63	12.37	
	5-year			878.76	11.24	
	10-year			879.35	10.65	
	25-year			880.10	9.90	
	50-year			880.54	9.46	
	100-yer			880.93	9.07	
VCMC03	2-year	910.00	882.12	885.05	24.95	
	5-year			885.39	24.61	
	10-year			885.56	24.44	
	25-year			885.76	24.24	
	50-year			886.02	23.98	
	100-yer			886.20	23.80	
VCMC04	2-year	926.00	908.57	910.85	15.15	
	5-year			911.28	14.72	
	10-year			911.49	14.51	
	25-year			911.74	14.26	
	50-year			911.74	14.26	
	100-yer			911.96	14.04	
VCMC05	2-year	933.00	925.16	926.70	6.30	
	5-vear			926.92	6.08	
	10-year			927.03	5.97	
	25-year			927.16	5.84	
	50-year			927.25	5.75	
	100-yer			927.35	5.65	
VCMC06	2-year	933.00	926.96	928.55	4.45	
	5-vear			928.86	4.14	
	10-year			929.01	3.99	
	25-year			929.21	3.79	
	50-year			929.34	3.66	
	100-yer			929.51	3.49	
VCMC07	2-year	940.00	933.88	935.20	4.80	
	5-year			935.38	4.62	
	10-year			935.47	4.53	
	25-year			935.59	4.41	
	50-year			935.66	4.34	
	100-yer			935.75	4.25	

Ground Invert Max Water H Node Return Elevation Elevation Elevation	Relative to Ground	
Node Return Elevation Elevation Elevation	Ground	
Name Period (feet) (feet) (feet)	(feet)	
VCMC08 2-year 952.00 939.98 940.96	11.04	
5-year 941.10	10.90	
10-year 941.17	10.83	
25-year 941.25	10.75	
50-year 941.31	10.69	
100-yer 941.38	10.62	
W13L101 2-year 906.79 901.29 903.14	3.65	
5-year 903.52	3.27	
10-year 903.71	3.08	
25-year 904.13	2.66	
50-year 905.02	1.77	
100-yer 905.81	0.98	
W13L102 2-year 910.74 903.74 905.11	5.63	
5-year 906.84	3.90	
10-year 908.20	2.54	
25-year 908.83	1.91	
50-year 908.89	1.85	
100-yer 908.94	1.80	
W13L103 2-year 916.97 911.48 912.16	4.81	
5-year 912.47	4.50	
10-year 915.40	1.57	
25-year 916.01	0.96	
50-year 916.02	0.95	
100-yer 916.11	0.86	
W13L1A012-year 906.21 902.63 903.14	3.07	
5-year 903.52	2.69	
10-year 903.71	2.50	
25-year 904.13	2.08	
50-year 905.02	1.19	
100-yer 905.81	0.40	
W13L1B012-year 909.56 903.98 905.54	4.02	
5-vear 907.56	2.00	
10-year 908.84	0.72	
25-year 909.03	0.53	
50-year 909.08	0.48	
100-yer 909.13	0.43	
W13L1C012-vear 916.48 911.97 912.59	3.89	
5-year 912.75	3.73	
10-year 915.46	1.02	
25-year 916.05	0.43	
50-year 916.07	0.41	
100-yer 916.25	0.23	
W13L201 2-vear 908.89 903.95 904.91	3.98	
5-vear 905.11	3.78	
10-year 905.21	3.68	
25-year 905.33	3.56	
50-year 905.42	3.47	
100-yer 905.53	3.36	

					Max WSE	
		Ground	Invert	Max Water	Relative to	
Node	Return	Elevation	Elevation	Elevation	Ground	
Name	Period	(feet)	(feet)	(feet)	(feet)	
W13L202	2-year	909.00	904.00	905.18	3.82	
	5-year			905.41	3.59	
	10-year			905.53	3.47	
	25-year			905.68	3.32	
	50-year			905.79	3.21	
	100-yer			905.92	3.08	
W13L301	2-year	913.00	908.38	909.15	3.85	
	5-year			909.48	3.52	
	10-year			909.66	3.34	
	25-year			909.89	3.11	
	50-year			910.06	2.94	
	100-yer			910.28	2.72	
W13L401	2-year	918.00	915.34	915.76	2.24	
	5-year			915.86	2.14	
	10-year			915.91	2.09	
	25-year			915.99	2.01	
	50-year			916.05	1.95	
	100-yer			916.14	1.86	
W13MC01	2-year	909.00	903.31	904.12	4.88	
	5-year			904.23	4.77	
	10-vear			904.29	4.71	
	25-year			904.35	4.65	
	50-year			904.40	4.60	
	100-ver			904.45	4.55	
W13MC02	2-vear	915.00	907.00	907.37	7.63	
	5-year			907.45	7.55	
	10-year			907.50	7.50	
	25-vear			907.55	7.45	
	50-vear			907.59	7.41	
	100-ver			907.64	7.36	
W13MC03	2-vear	915.08	907 25	909 15	5.93	
	5-vear	010100	001120	909.48	5.60	
	10-vear			909 66	5 42	
	25-vear			909.89	5 19	
	50-vear			910.06	5.02	
	100-ver			910.28	4 80	
	2_ve2r	Q1Q 00	013 50	01/ 05	4.00	
1010004	5-vear	313.00	315.55	914.90	4.03	
	10-voar			915.20	3.61	
	25-vear			015 50	3.01	
	50-vear			Q15 72	3.41	
	100-vor			Q15 Q2	3.27	
WI I 101	2_vear	807 24	881 Jo	883 10	12 75	
	∠-year 5_vear	037.24	001.20	2003.49 221 01	12.70	
	10-year			204.01 22/ 21	10.20	
	25-vear			004.01 226 26	12.43	
	50-year			000.00	10.30	
	100-year			000.92	0.32	
	roo-yer			090.30	0.94	

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL102	2-year	896.59	883.84	886.07	10.52
	5-year			886.57	10.02
	10-year			886.95	9.64
	25-year			888.82	7.77
	50-year			891.13	5.46
	100-yer			892.52	4.07
WLL103	2-year	895.77	885.94	888.16	7.61
	5-year			888.67	7.10
	10-year			889.01	6.76
	25-year			890.42	5.35
	50-year			892.90	2.87
	100-yer			894.57	1.20
WLL104	2-year	895.00	886.50	889.32	5.68
	5-year			889.91	5.09
	10-year			890.28	4.72
	25-year			891.55	3.45
	50-year			893.57	1.43
	100-yer			894.65	0.35
WLL105	2-year	896.68	887.10	889.21	7.47
	5-year			889.83	6.85
	10-year			890.23	6.45
	25-year			891.61	5.07
	50-year			893.75	2.93
	100-yer			894.85	1.83
WLL106	2-year	902.03	888.84	890.04	11.99
	5-year			890.42	11.61
	10-year			890.92	11.11
	25-year			892.67	9.36
	50-year			895.92	6.11
	100-yer			895.89	6.14
WLL107	2-year	898.17	889.17	890.37	7.80
	5-vear			890.65	7.52
	10-year			891.04	7.13
	25-year			892.90	5.27
	50-year			896.10	2.07
	100-yer			896.17	2.00
WLL108	2-year	901.14	895.14	895.88	5.26
	5-vear			896.02	5.12
	10-year			896.09	5.05
	25-year			896.20	4.94
	50-year			897.23	3.91
	100-yer			898.59	2.55
WLL109	2-year	901.27	895.31	896.97	4.30
	5-year			897.59	3.68
	10-year			898.17	3.10
	25-vear			899.09	2.18
	50-year			899.49	1.78
	100-yer			900.41	0.86

					Max WSE	
		Ground	Invert	Max Water	Relative to	
Node	Return	Elevation	Elevation	Elevation	Ground	
Name	Period	(feet) (feet)		(feet)	(feet)	
WLL1A01	2-year	897.84	892.17	896.03	1.81	
	5-year			896.16	1.68	
	10-year			896.23	1.61	
	25-year			896.31	1.53	
	50-year			896.38	1.46	
	100-yer			896.45	1.39	
WLL1A02	2-year	897.93	892.93	896.70	1.23	
	5-year			897.11	0.82	
	10-year			897.18	0.75	
	25-year			897.26	0.67	
	50-year			897.31	0.62	
	100-yer			897.37	0.56	
WLL1B01	2-year	899.00	893.42	898.15	0.85	
	5-year			898.27	0.73	
	10-year			898.32	0.68	
	25-year			898.39	0.61	
	50-year			898.45	0.55	
	100-yer			898.51	0.49	
WLL201	2-vear	889.00	877.86	878.94	10.06	
	5-vear			879.91	9.09	
	10-vear			880.99	8.01	
	25-vear			883.21	5.79	
	50-vear			885.32	3.68	
	100-ver			886.85	2.15	
WLL202	2-vear	890.34	883.34	884.09	6.25	
	5-vear			884.24	6.10	
	10-vear			884.31	6.03	
	25-vear			884.41	5.93	
	50-vear			886.44	3.90	
	100-ver			887.47	2.87	
WLL301	2-vear	892 59	882 59	885.29	7.30	
WELCOT	5-vear	002.00	002.00	886.35	6 24	
	10-vear			886.95	5 64	
	25-vear			889.88	2 71	
	50-vear			890.04	2.71	
	100-ver			890 17	2.00	
WI I 302	2-vear	915 00	886 75	888 02	26.02	
	5-vear	010.00	000.70	888 /18	20.30	
	10-vear			888 72	20.02	
	25-vear			880.02	20.20	
	50-vear			800 15	23.02	
	100-ver			800.40	24.00	
WI I 303	2-vezr	00 308	800 18	200.90 201 22	۲.10 ۸ 10	
VILLOUD	∠-year 5-vear	030.00	030.10	207 10	4.12 2.92	
	10-vear			802.10	3.02	
	25-veer			2032.29 202.47	3.71	
	50-vear			2032.47 202.61	3.00	
	100-year			2032.01 202.76	2.09	
	100-yei			092.70	3.24	

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL304	2-year	896.00	890.22	892.12	3.88
	5-year			892.48	3.52
	10-year			892.64	3.36
	25-year			892.84	3.16
	50-year			893.01	2.99
	100-yer			893.19	2.81
WLL305	2-year	896.08	890.36	892.46	3.62
	5-year			892.94	3.14
	10-year			893.14	2.94
	25-year			893.40	2.68
	50-year			893.62	2.46
	100-yer			893.87	2.21
WLL306	2-year	897.96	892.10	893.01	4.95
	5-year			893.42	4.54
	10-year			893.65	4.31
	25-year			893.95	4.01
	50-year			894.31	3.66
	100-yer			894.52	3.44
WLL307	2-year	898.74	893.74	896.62	2.12
	5-year			896.82	1.92
	10-year			896.93	1.81
	25-year			897.07	1.67
	50-year			897.17	1.57
	100-yer			897.30	1.44
WLL308	2-year	901.11	896.11	897.39	3.72
	5-year			897.64	3.47
	10-year			898.02	3.09
	25-year			898.30	2.81
	50-year			898.49	2.62
	100-yer			898.93	2.18
WLL309	2-year	901.41	896.41	899.54	1.87
	5-year			899.70	1.71
	10-year			899.82	1.59
	25-year			899.97	1.44
	50-year			900.07	1.34
	100-yer			900.23	1.18
WLL310	2-vear	902.07	897.07	900.09	1.98
	5-year			900.08	1.99
	10-year			900.10	1.97
	25-year			900.11	1.96
	50-year			900.35	1.72
	100-yer			900.40	1.67
WLL311	2-vear	902.36	897.36	900.20	2.16
	5-year			900.49	1.87
	10-year			900.62	1.74
	25-vear			900.81	1.55
	50-year			900.95	1.41
	100-yer			901.08	1.28

Nocie Name Return Period Ground Elevation (feet) Invert Elevation (feet) Max Water Elevation (feet) Relative to Ground (feet) WLL312 2-year 903.00 897.52 900.21 2.79 5-year 900.064 2.36 25-year 900.083 2.17 50-year 900.96 2.04 100-yer 900.96 2.04 100-yer 901.02 901.09 S-year 901.02 0.95 25-year 901.02 0.95 25-year 901.16 0.81 10-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 10-year 901.38 4.20 10.9 4.29 10.9 4.29 50-year 901.70 801.20 4.29 10.16 4.42 25-year 904.74 898.07 901.81 4.20 10-year 904.74 898.07 901.						Max WSE	
Node Name Return Period Elevation (feet) Elevation (feet) Ground (feet) WLL312 2-year 900.00 897.52 900.21 2.79 10-year 900.64 2.36 900.64 2.36 25-year 900.83 2.17 50-year 900.96 2.04 100-year 900.90 2.04 100-year 901.09 1.91 WLL313 2-year 901.97 897.68 900.91 1.06 10-year 901.97 897.68 901.02 0.95 25-year 901.16 0.41 0.81 0.91 1.06 10-year 901.26 0.71 100-yea 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.50 4.42 2.5 4.29 2.9 2.9 2.9 2.9 2.9 2.9 3.21 5.9 9.01.50 4.20 2.9 2.9 2.9 2.9 <t< th=""><th></th><th></th><th>Ground</th><th>Invert</th><th>Max Water</th><th>Relative to</th></t<>			Ground	Invert	Max Water	Relative to	
Name Period (feet) (feet) (feet) (feet) WLL312 2-year 903.00 897.52 900.51 2.49 10-year 900.64 2.36 25-year 900.83 2.17 50-year 901.09 1.01 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.97 897.68 900.91 1.06 10-year 901.02 0.95 2.5-year 901.26 0.71 100-yer 901.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.38 4.20 10-year 901.38 4.20 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 10-year 901.73 3.01 10-year 901.73 3.01 10-year 901.73 3.01 10-year 901.77 3.03<	Node	Return	Elevation	Elevation	Elevation	Ground	
WLL312 2-year 903.00 897.52 900.21 2.79 5-year 900.64 2.36 25-year 900.63 2.17 50-year 900.83 2.17 50-year 900.96 2.04 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.16 0.81 50.92 901.26 0.71 100-yer 901.26 0.71 100.99 901.26 0.71 100-year 901.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.39 0.58 10-year 901.39 0.58 10.5 4.53 10-year 901.16 4.42 25-year 901.39 4.67 5.year 901.50 4.08 100.128 4.20 100-year 901.73 3.01 10-year 901.50 4.08 100-year 902.06	Name	Period	(feet)	(feet)	(feet)	(feet)	
5-year 900.64 2.36 25-year 900.83 2.17 50-year 900.96 2.04 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.97 897.68 900.69 1.28 5-year 901.02 0.95 25-year 901.02 0.95 25-year 901.16 0.71 100-year 901.26 0.71 100-year 901.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.38 4.20 10-year 901.50 4.08 4.02 25-year 901.50 4.08 WLL315 2-year 901.73 3.01 10-year 901.73 3.01 10-year 901.69 901.84 2.50 4.29 4.29 50-year 901.73 3.01 10-year 901.73 3.01 10-year 901.73 3.01	WLL312	2-year	903.00	897.52	900.21	2.79	
10-year 900.64 2.36 25-year 900.83 2.17 50-year 900.96 2.04 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.02 0.95 2.5-year 901.02 0.95 25-year 901.26 0.71 100-year 901.26 0.71 100-yer 901.39 0.58 897.73 900.91 4.67 5-year 901.58 897.73 900.16 4.42 25-year 901.38 4.20 100-year 901.38 4.20 50-year 901.73 3.01 10-year 901.73 3.01 10-year 904.74 898.07 901.53 3.21 5-year 901.64 2.90 2.5-year 901.73 3.01 10-year 901.74 898.07 901.53 3.21 5-year 901.64 3.65 5-year 906.61 3.53		5-year			900.51	2.49	
25-year 900.83 2.17 50-year 900.96 2.04 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.02 0.95 25-year 901.02 0.95 25-year 901.26 0.71 100-yer 901.26 0.71 100-year 901.58 897.73 900.91 4.67 5-year 901.53 3.21 5-year 901.50 4.53 10-year 901.50 4.08 0.00 25-year 901.73 3.01 10-year 901.73 901.73 3.01 10-year 902.16 2.56 WLL316 2-year 909.69 <td></td> <td>10-year</td> <td></td> <td></td> <td>900.64</td> <td>2.36</td>		10-year			900.64	2.36	
50-year 900.96 2.04 100-yer 901.09 1.91 WLL313 2-year 901.97 897.68 900.69 1.28 5-year 901.02 0.95 25-year 901.16 0.81 50-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.16 4.42 25-year 901.26 0.71 10-year 901.39 0.58 897.73 900.91 4.67 5-year 901.50 4.53 10-year 901.26 0.71 10-year 901.73 3.01 10-year 901.33 4.20 100-yer 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.73 3.01 10-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 3.33 5-year 906.6		25-year			900.83	2.17	
100-yer 901.97 897.68 900.69 1.28 5-year 901.97 897.68 900.69 1.28 5-year 901.02 0.95 25-year 901.02 0.95 25-year 901.26 0.71 0.81 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.38 4.20 25-year 901.39 4.67 901.39 4.29 50-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.38 4.20 100-yer 901.33 3.21 5-year 904.74 898.07 901.53 3.21 5-year 901.97 2.77 50-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 3.65 5-year 906.61 3.53 10-year 909.69 901.44 </td <td></td> <td>50-year</td> <td></td> <td></td> <td>900.96</td> <td>2.04</td>		50-year			900.96	2.04	
WLL313 2-year 901.97 897.68 900.69 1.28 5-year 900.91 1.06 900.91 1.06 10-year 901.16 0.81 50-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.29 4.29 50-year 901.16 4.42 25-year 901.38 4.20 100-yer 901.50 4.08 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 901.81 2.56 WLL316 2-year 902.06 2.68 100-yer 906.61 3.53 10-year 906.63 3.33 10-year 906.63 3.33 </td <td></td> <td>100-yer</td> <td></td> <td></td> <td>901.09</td> <td>1.91</td>		100-yer			901.09	1.91	
5-year 900.91 1.06 10-year 901.02 0.95 25-year 901.16 0.81 50-year 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.42 25-year 901.16 4.42 25-year 901.29 4.29 50-year 901.50 4.08 WLL315 2-year 904.74 898.07 901.50 4.08 WLL315 2-year 904.74 898.07 901.73 3.01 10-year 901.73 3.01 10-year 901.84 2.90 25-year 901.73 3.01 10-year 902.06 2.68 100-yer 902.06 9.68 901.44 906.04 3.65 5-year 906.61 3.53 10-year 906.63 3.38 10-year 906.63 3.38 50-year 906.36 3.33 10-year 906.75 901.73 </td <td>WLL313</td> <td>2-year</td> <td>901.97</td> <td>897.68</td> <td>900.69</td> <td>1.28</td>	WLL313	2-year	901.97	897.68	900.69	1.28	
10-year 901.02 0.95 25-year 901.16 0.81 50-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.29 4.29 50-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.50 4.08 4.20 100-yer 901.53 3.21 5-year 904.74 898.07 901.53 3.21 5.year 901.84 2.90 25-year 904.74 898.07 901.73 3.01 10-year 901.84 2.90 25-year 904.74 898.07 901.81 2.90 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 3.33 10-year 906.31 3.38 50-year 906.61 3.14 3.33 3.04 <td></td> <td>5-year</td> <td></td> <td></td> <td>900.91</td> <td>1.06</td>		5-year			900.91	1.06	
25-year 901.16 0.81 50-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.29 4.29 50-year 901.29 4.29 50-year 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.81 2.66 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.31 3.38 50-year 906.31 3.38 10-year 906.75 901.73 906.42 3.33 10-year 906.31 3.38 50-year 906.61 3.14 10-year 906.75 901.73 906.42 3.33 5.9 906.71<		10-year			901.02	0.95	
50-year 901.26 0.71 100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 901.29 4.29 50-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.73 3.01 10-year 901.84 2.90 25-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 10-year 906.31 3.38 50-year 909.75 901.73 906.42 3.33 100-yer 906.61 3.14 10-year 906		25-year			901.16	0.81	
100-yer 901.39 0.58 WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.16 4.42 25-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-year 909.69 901.44 906.04 3.65 5-year 906.61 3.53 10-year 906.23 3.46 25-year 909.75 901.73 906.41 3.38 50-year 906.61 3.14 10-year 906.61 3.14 10-year 906.73		50-year			901.26	0.71	
WLL314 2-year 905.58 897.73 900.91 4.67 5-year 901.05 4.53 10-year 901.16 4.42 25-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 902.18 2.56 3.33 10-year 906.31 3.38 50-year 906.31 3.38 50-year 906.33 3.33 100-yer 909.75 901.73 906.42 3.33 100-year 906.61 3.14 10-year 906.61 3.14 10-year 909.75 901.73 906.42 3.33 100-year		100-yer			901.39	0.58	
5-year 901.05 4.53 10-year 901.16 4.42 25-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.08 901.44 906.04 3.65 VLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.61 3.53 10-year 906.31 3.38 50-year 906.31 3.38 50-year 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 100-year 906.61 3.14 10-year 906.63 3.26 WLL317 2-year 909.81 901.99 906.63 3.26	WLL314	2-year	905.58	897.73	900.91	4.67	
10-year 901.16 4.42 25-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 3.65 WLL316 2-year 909.69 901.44 906.04 3.65 S-year 906.61 3.53 10-year 906.31 3.38 50-year 909.75 901.73 906.42 3.33 100-yer 906.71 3.04 2.5 WLL317 2-year 909.75 901.73 906.42 3.33 50-year 906.83 2.92 50-year 906.83 2.92 50-year 906.71 3.04 25-year 906.61 3.14 <td></td> <td>5-year</td> <td></td> <td></td> <td>901.05</td> <td>4.53</td>		5-year			901.05	4.53	
25-year 901.29 4.29 50-year 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 909.69 901.44 906.04 3.65 10-year 906.31 3.38 50-year 906.31 3.38 10-year 909.75 901.73 906.42 3.33 100-yer 909.75 901.73 906.61 3.14 10-year 909.75 901.73 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.62 2.83 10.79		10-year			901.16	4.42	
50-year 901.38 4.20 100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 901.73 3.01 10-year 901.84 2.90 25-year 901.84 2.90 25-year 902.06 2.68 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 2.68 100-yer 902.06 9.69 901.44 906.04 3.65 5-year 906.69 901.44 906.04 3.65 5-year 906.31 3.38 50-year 906.36 3.33 100-yer 909.75 901.73 906.42 3.33 100-yer 906.71 3.04 2.5 WLL317 2-year 909.75 901.73 906.42 3.33 100-yer 906.71 3.04 2.92 3.34 10-year 909.75 901.73 906.74		25-year			901.29	4.29	
100-yer 901.50 4.08 WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 10-year 906.23 3.46 25-year 906.31 3.38 50-year 906.31 3.38 50-year 909.75 901.73 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 100-yer 906.71 3.04 25-year 906.83 2.92 50-year 906.71 3.04 2.92 3.04 2.92 3.02 50-year 906.81 9.01.99 906.55 3.26 3.27		50-year			901.38	4.20	
WLL315 2-year 904.74 898.07 901.53 3.21 5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.23 3.46 3.25 3.38 3.50 10-year 906.31 3.38 3.26 3.33 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 100-yer 906.71 3.04 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 50-year 906.71 3.04 3.26 WLL317 2-year 906.71 3.04 25-year 906.83 2.92 3.33 100-year 907.03 2.72 906.83 </td <td></td> <td>100-yer</td> <td></td> <td></td> <td>901.50</td> <td>4.08</td>		100-yer			901.50	4.08	
5-year 901.73 3.01 10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 909.69 901.44 906.16 3.53 10-year 906.31 3.38 50-year 906.31 3.38 50-year 909.75 901.73 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 50-year 906.71 3.04 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 50-year 906.71 3.04 2.5 3.33 50-year 906.71 3.04 2.92 3.33 100-year 906.83 2.92 2.83 2.92 3.07 10-year 906.85 2.96 2.5 3.26 3.26<	WLL315	2-year	904.74	898.07	901.53	3.21	
10-year 901.84 2.90 25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 10-year 906.31 3.38 50-year 906.31 3.38 50-year 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 50-year 906.61 3.14 10-year 906.61 3.14 10-year 909.75 901.73 906.42 3.33 50-year 906.61 3.14 10-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 2.83 100-yea 2.83 100-yea 100-year 906.85 2.96 2.5-year 906.74 3.07 10-year 906.85 2.9		5-year			901.73	3.01	
25-year 901.97 2.77 50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 10-year 906.23 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 50-year 906.83 2.92 50-year 906.85 3.26 5-year 906.85 2.92 50-year 907.03 2.72 WLL318 2-year 909.81 901.99 25-year 906		10-year			901.84	2.90	
50-year 902.06 2.68 100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.71 3.04 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.61 3.14 10-year 906.75 901.73 906.83 2.92 50-year 906.83 2.92 5.83 1.00 2.72 907.03 2.		25-year			901.97	2.77	
100-yer 902.18 2.56 WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 10-year 906.23 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.87 2.84 50-year 906.74 3.07 10-year 906.85 2.96 2.96 2.96		50-year			902.06	2.68	
WLL316 2-year 909.69 901.44 906.04 3.65 5-year 906.16 3.53 3.46 25-year 906.23 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.55 3.26 25-year 906.85 2.96 2.96 2.96 2.96		100-yer			902.18	2.56	
5-year 906.16 3.53 10-year 906.23 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 907.03 2.72 906.97 2.84	WLL316	2-year	909.69	901.44	906.04	3.65	
10-year 906.23 3.46 25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 50-year 906.83 2.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.97 2.84 50.7 3.07 10-year 907.06 2.75 100-yer 907.17 2.64		5-year			906.16	3.53	
25-year 906.31 3.38 50-year 906.36 3.33 100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 50-year 906.83 2.92 50-year 906.83 2.92 25-year 906.83 2.92 25-year 906.83 2.92 25-year 906.83 2.92 25-year 906.83 2.92 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00		10-year			906.23	3.46	
50-year 906.36 3.33 100-yer 909.75 901.73 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.55 3.26 5-year 906.85 2.96 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.85 2.96 2.96 2.96 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49		25-year			906.31	3.38	
100-yer 906.43 3.26 WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 50-year 906.83 2.92 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.97 2.84 3.07 10-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.35		50-year			906.36	3.33	
WLL317 2-year 909.75 901.73 906.42 3.33 5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.74 3.07 10-year 909.81 901.99 906.74 3.07 10-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.74 3.07 10-year 909.81 901.99 906.55 3.26 25-year 906.85 2.96 2.96 25-year 906.97 2.84 50 3.07 10-year 907.06 2.75 100 4.79 5-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.70 10-year 890.30 4.65		100-yer			906.43	3.26	
5-year 906.61 3.14 10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.55 3.26 5-year 906.74 3.07 10-year 906.85 2.96 25-year 906.85 2.96 2.96 2.96 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55	WLL317	2-year	909.75	901.73	906.42	3.33	
10-year 906.71 3.04 25-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.55 3.26 5-year 906.83 2.92 307 10-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 909.81 901.99 906.85 2.96 25-year 906.97 2.84 3.07 10-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 890.35 4.65 25-ye		5-year			906.61	3.14	
25-year 906.83 2.92 50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.85 2.683 906.74 3.07 10-year 909.81 901.99 906.55 3.26 5-year 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.07 2.64 907.07 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 895.00 889.49 890.31 4.59 50-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.90 4.10 </td <td></td> <td>10-year</td> <td></td> <td></td> <td>906.71</td> <td>3.04</td>		10-year			906.71	3.04	
50-year 906.92 2.83 100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.74 3.07 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 895.00 889.49 890.31 4.79 5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 4.55 4.55 4.55		25-year			906.83	2.92	
100-yer 907.03 2.72 WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.74 3.07 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.06 2.75 100-yer 907.06 2.75 100-yer 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 895.00 889.49 890.31 4.59 5-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 4.55 4.55 4.55 100-yer 890.90 4.10 890.90 4.10		50-year			906.92	2.83	
WLL318 2-year 909.81 901.99 906.55 3.26 5-year 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 4.55 4.55		100-yer			907.03	2.72	
5-year 906.74 3.07 10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 100-yer 890.90 4.10	WLL318	2-year	909.81	901.99	906.55	3.26	
10-year 906.85 2.96 25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 890.30 4.65 25-year 890.41 4.59 50-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 4.55 4.55		5-year			906.74	3.07	
25-year 906.97 2.84 50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 895.00 889.49 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 4.55 4.55 4.55 100-yer 890.90 4.10 10-yer 10-yer <td></td> <td>10-year</td> <td></td> <td></td> <td>906.85</td> <td>2.96</td>		10-year			906.85	2.96	
50-year 907.06 2.75 100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 4.65 4.55 4.55 4.65 4.55 4.65 4.55 4.65 4.55 4.65 4.55 4.55 4.55 4.55 4.55 4.55 4.10 4.10 4.55 4.10 4.10 4.55 4.10 4.10 4.55 4.10		25-year			906.97	2.84	
100-yer 907.17 2.64 WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.45 4.55 4.65 4.55 4.55 4.65		50-year			907.06	2.75	
WLL3A01 2-year 895.00 889.49 890.21 4.79 5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.90 4.10		100-yer			907.17	2.64	
5-year 890.30 4.70 10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-year 890.45 4.55	WLL3A01	2-year	895.00	889.49	890.21	4.79	
10-year 890.35 4.65 25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.90 4.10		5-year			890.30	4.70	
25-year 890.41 4.59 50-year 890.45 4.55 100-yer 890.90 4.10		10-year			890.35	4.65	
50-year 890.45 4.55 100-yer 890.90 4.10		25-vear			890.41	4.59	
100-yer 890.90 4.10		50-year			890.45	4.55	
, , , , , , , , , , , , , , , , , , , ,		100-yer			890.90	4.10	

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL3A02	2-year	895.11	890.59	891.17	3.94
	5-year			891.27	3.84
	10-year			891.33	3.78
	25-year			891.39	3.72
	50-year			891.44	3.67
	100-yer			891.50	3.61
WLL3B01	2-year	895.63	890.50	892.14	3.49
	5-year			892.52	3.11
	10-year			892.69	2.94
	25-year			892.91	2.72
	50-year			893.11	2.52
	100-yer			893.36	2.27
WLL3B02	2-year	895.87	890.62	892.14	3.73
	5-year			892.53	3.34
	10-year			892.71	3.16
	25-vear			892.95	2.92
	50-vear			893.15	2.72
	100-ver			893.44	2.43
WLL3B03	2-vear	896.19	890.76	892.17	4.02
	5-vear			892.55	3 64
	10-vear			892 74	3 45
	25-vear			892.99	3 20
	50-vear			893.19	3.00
	100-ver			893 51	2.68
WLL3B04	2-vear	897.00	890.92	892.20	4.80
	5-vear		000102	892.58	4 42
	10-vear			892 77	4 23
	25-vear			893.03	3.97
	50-vear			893 25	3 75
	100-ver			893.59	3.41
WLL3B05	2-vear	897 04	891 04	892.25	4 79
WELODOO	5-vear	007.04	001.04	892.20	4.13
	10-vear			892.81	4 23
	25-vear			893.06	3.98
	50-vear			893 30	3 74
	100-ver			893.64	3 40
WI I 201	2-Vezr	806 50	801 50	802 52	3.40
	2-year	090.00	091.00	802.33	3.37
	10-year			803.07	3.73
	25-vear			QOE 11	3.43
	20-year			805.58	1.09
	100-year			205 62	0.92
	2-xeor	906 11	007 07	030.03 000 E7	0.07
VILIOUI	z-yeai 5-year	090.11	007.97	090.37	5.04
	J-year			030.70	ບ.ວວ
	25 year			090.00	D.20
	20-year			091.00	J.11
	100 year			001.20	4.85
	roo-yer			891.81	4.30

					Max WSE
		Ground	Invert	Max Water	Relative to
Node	Return	Elevation	Elevation	Elevation	Ground
Name	Period	(feet)	(feet)	(feet)	(feet)
WLL601	2-year	899.89	887.95	894.08	5.81
	5-year			895.08	4.81
	10-year			895.17	4.72
	25-year			895.24	4.65
	50-year			895.28	4.61
	100-yer			895.34	4.55
WLL701	2-year	897.02	890.11	896.20	0.82
	5-year			896.50	0.52
	10-year			896.61	0.41
	25-year			896.72	0.30
	50-year			896.79	0.23
	100-yer			896.87	0.15
WLMC00	2-year	911.00	871.99	876.13	34.87
	5-year			877.31	33.69
	10-year			877.61	33.39
	25-year			877.99	33.01
	50-year			877.99	33.01
	100-yer			877.99	33.01
WLMC01	2-vear	911.00	873.21	877.35	33.65
	5-vear	0	010121	878.53	32.47
	10-vear			879.18	31.82
	25-year			880.27	30.73
	50-year			881.24	29.76
	100-ver			881.99	29.01
WI MC02	2-vear	912 00	874 16	878.30	33 70
	5-vear	0.2.00	01 11 0	879.48	32.52
	10-vear			880.45	31.55
	25-year			882.06	29.94
	50-year			883.77	28.23
	100-ver			885.08	26.92
WI MC03	2-vear	911.07	874 95	878.82	32.25
	5-vear	011.07	07 4.00	879.95	31 12
	10-vear			881.00	30.07
	25-vear			883.21	27.86
	50-vear			885.31	27.00
	100-year			886.82	23.70
	2-voar	011.00	875.25	878.81	27.20
	z-year	911.00	075.25	970.01	32.19
	Jo-year			880.00	30.01
	25-vear			000.99 000.99	20.01
	20-year			003.20 225 21	27.00
	100-year			000.31	20.09
	2-voor	000 E0	000 E0	000.02	24.10 11 01
	z-yeai 5-year	090.00	00.00	003.09	14.01
	10-year			003.30	14.02
	25 year			004.20	14.30
	20-year			004.00	13.02
	100 year			000.38	13.12
	100-yer			886.82	11.68

					Max WSE	
		Ground	Invert	Max Water	Relative to	
Node	Return	Elevation	Elevation	Elevation	Ground	
Name	Period	(feet)	(feet)	(feet)	(feet)	
WLMC06	2-year	891.00	882.00	887.40	3.60	
	5-year			889.42	1.58	
	10-year			890.40	0.60	
	25-year			891.06	-0.05	
	50-year			891.25	-0.25	
	100-yer			891.46	-0.46	
WLMC07	2-year	894.00	882.28	887.41	6.59	
	5-year			889.43	4.57	
	10-year			890.40	3.60	
	25-year			891.06	2.94	
	50-year			891.26	2.74	
	100-yer			891.46	2.54	
WLMC08	2-year	898.98	882.76	885.99	12.99	
	5-year			886.45	12.53	
	10-year			886.66	12.32	
	25-year			886.87	12.11	
	50-year			887.00	11.98	
	100-yer			887.14	11.84	
WLMC09	2-year	899.00	882.84	886.01	12.99	
	5-year			886.48	12.52	
	10-year			886.70	12.30	
	25-year			886.91	12.09	
	50-year			887.04	11.96	
	100-yer			887.19	11.81	
WLMC10	2-year	894.87	884.21	887.28	7.59	
	5-year			887.85	7.02	
	10-year			888.11	6.76	
	25-year			888.35	6.52	
	50-year			888.48	6.39	
	100-yer			888.62	6.25	
WLMC11	2-year	895.00	884.94	887.59	7.41	
	5-year			888.88	6.12	
	10-year			889.68	5.32	
	25-year			890.51	4.49	
	50-year			891.09	3.91	
	100-yer			891.75	3.25	
WLMC12	2-vear	893.32	885.32	887.72	5.60	
	5-vear			888.93	4.39	
	10-vear			889.71	3.61	
	25-vear			890.53	2.79	
	50-year			891.10	2.22	
	100-yer			891.76	1.56	
WLMC13	2-year	896.00	886.55	889.12	6.88	
	5-year			889.59	6.41	
	10-year			889.96	6.04	
	25-vear			890.63	5.37	
	50-year			891.16	4.84	
	100-yer			891.79	4.21	

Node Name	Return Period	Ground Elevation (feet)	Invert Elevation (feet)	Max Water Elevation (feet)	Max WSE Relative to Ground (feet)
WLMC14	2-year	899.87	887.33	893.26	6.61
	5-year			895.08	4.79
	10-year			895.17	4.70
	25-year			895.24	4.63
	50-year			895.28	4.59
	100-yer			895.34	4.53
WLMC15	2-year	899.00	888.58	896.20	2.80
	5-year			896.50	2.50
	10-year			896.61	2.39
	25-year			896.72	2.28
	50-year			896.78	2.22
	100-yer			896.87	2.13
WLMC16	2-year	901.75	894.42	898.73	3.02
	5-year			898.99	2.76
	10-year			899.03	2.72
	25-year			899.08	2.67
	50-year			899.11	2.64
	100-yer			899.15	2.60
WLMC17	2-year	913.12	906.62	910.48	2.64
	5-year			911.25	1.87
	10-year			911.29	1.83
	25-year			911.34	1.78
	50-year			911.37	1.75
	100-yer			911.41	1.71
WLMC18	2-year	913.89	908.89	911.56	2.33
	5-year			912.02	1.87
	10-year			912.06	1.83
	25-year			912.10	1.79
	50-year			912.12	1.77
	100-yer			912.15	1.74

Link Name	Conduit Name	Return	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 veer	Notural	(1001)	(1001)	(1001)	000.07	070.00	(/0) E 400	(013)	(143)	16004	(143)
LCCLIUI	LUCLIUI	2-year	Naturai	14	0	7.9	880.37	879.96	5.183	169	8.5 0.5	16034	22.0
		10-vear								200	9.5	16834	22.0
		25-year								427	10.2	16834	22.0
		50-vear								505	11.3	16834	22.0
		100-year								592	11.7	16834	22.0
LCCL102	LCCL102	2-year	Natural	6	0	1292.8	896.75	880.37	1.267	86	2.6	5466	9.3
		5-year								123	2.6	5466	9.3
		10-year								156	2.6	5466	9.3
		25-year								228	2.4	5466	9.3
		50-year								279	2.3	5466	9.3
		100-year								340	2.2	5466	9.3
LCCL103	CCL103A	2-year	Rectangular	4	7	68.0	897.42	896.75	0.985	89	8.7	346	12.4
		5-year								130	10.4	346	12.4
		10-year								170	11.7	346	12.4
		25-year								251	14.3	346	12.4
		50-year								303	15.8	346	12.4
		100-year					00.1.5	005.5		363	17.3	346	12.4
LCCL103	CCL103B	2-year	I rapezoidal	1	30	68.0	904.00	903.00	1.471	0	0.0	370	12.3
		5-year								0	0.0	370	12.3
		10-year								0	0.0	370	12.3
		25-year								0	0.0	370	12.3
		100-year								0	0.0	370	12.3
		2-vear	Natural	10	15	22.8	808.08	807 /2	2 000	55	2.2	/0525	21.3
LCCL104	LUCLIU4	5-vear	Indiuidi	10	15	22.0	090.00	097.42	2.900	74	2.2	49525	21.3
		10-vear								128	2.2	49525	21.3
		25-year								185	2.1	49525	21.3
		50-vear								220	2.1	49525	21.3
		100-year								260	2.1	49525	21.3
LCCL105	CCL105A	2-year	Special	4.5	4.5	271.6	899.28	898.08	0.442	54	9.5	66	6.5
		5-year								70	10.4	66	6.5
		10-year								88	11.2	66	6.5
		25-year								104	11.6	66	6.5
		50-year								110	11.6	66	6.5
		100-year								112	11.6	66	6.5
LCCL105	CCL105B	2-year	Trapezoidal	2	30	271.6	902.78	902.00	0.287	0	0.0	498	8.3
		5-year								5	1.4	498	8.3
		10-year								38	3.2	498	8.3
		25-year								78	4.2	498	8.3
		50-year								107	4.7	498	8.3
		100-year	Notural	10		040.0	000.00	000.00	0.540	145	5.3	498	8.3
LCCL106	LUCL106	∠-year	INATURA	10	0	343.3	908.00	899.28	2.540	68	0.9	48400	21.2
		10-year								119	1.0	40400	21.2
		25-vear								104	1.0	40400	21.2
		50-year								225	1.1	48400	21.2
		100-vear								262	1.2	48400	21.2
LCCL107	CCL107A	2-year	Special	6	6	45.3	908.17	908.00	0.375	34	10.4	115	7.0
		5-year								60	12.9	115	7.0
		10-year								78	14.2	115	7.0
		25-year								98	15.8	115	7.0
		50-year								113	16.6	115	7.0
		100-year								131	17.6	115	7.0
LCCL107	CCL107B	2-year	Trapezoidal	1	30	45.3	912.00	911.95	0.100	0	0.0	101	3.4
		5-year								0	0.0	101	3.4
		10-year								0	0.0	101	3.4
		25-year								0	0.0	101	3.4
		50-year								0	0.0	101	3.4
		100-year								0	0.0	101	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(,	7	08.7	000 74	008 17	1 590	18	0.4	17504	12.4
LOOLING	LOOLING	5-vear	Naturai	0	,	50.7	303.74	300.17	1.550	47	0.4	17504	12.4
		10-year								63	0.7	17504	12.4
		25-year								81	0.7	17504	12.4
		50-year								93	0.7	17504	12.4
		100-year								109	0.8	17504	12.4
LCCL109	CCL109A	2-year	Circular	2	0	71.1	909.85	909.74	0.155	9	5.1	5	1.5
		5-year								11	5.5	5	1.5
		10-year								11	5.7	5	1.5
		25-year								12	5.9	5	1.5
		100-year								12	6.2	5	1.5
LCCI 109	CCI 109B	2-vear	Trapezoidal	1	30	71 1	911 85	911 74	0 155	0	0.0	120	4.0
2002100	0021002	5-year	riapozoidai				011100	0	000	26	2.6	120	4.0
		10-year								41	3.1	120	4.0
		25-year								58	3.5	120	4.0
		50-year								69	3.8	120	4.0
		100-year								84	4.1	120	4.0
LCCL110	LCCL110	2-year	Natural	10	0	350.7	915.87	909.85	1.717	40	0.5	57804	17.6
		5-year								59	0.5	57804	17.6
		10-year								70	0.6	57804	17.6
		25-year								86	0.6	57804	17.6
		100-year								97	0.6	57804	17.0
	8669.1	2-vear	Special	2.67	2.67	31/ 1	017 18	015.87	0.417	14	7.0	57604	17.0
LCCLIII	8009.1	2-year 5-year	Special	2.07	2.07	314.1	917.10	915.67	0.417	14	7.0	14	4.3
		10-vear								15	7.4	14	4.3
		25-year								15	7.5	14	4.3
		50-year								16	7.7	14	4.3
		100-year								16	7.8	14	4.3
LCCL111	8669.2	2-year	Trapezoidal	1	30	314.1	921.76	918.37	1.079	27	4.0	317	10.6
		5-year								45	4.9	317	10.6
		10-year								56	5.4	317	10.6
		25-year								70	5.9	317	10.6
		50-year								81	6.2	317	10.6
	8253.1	2-vear	Circular	2	0	28.7	018 38	017 18	/ 181	90	0.0	317	10.0
LCCLT12	0200.1	5-vear	Circular	2	0	20.7	910.30	917.10	4.101	10	6.8	43	13.7
		10-vear								17	6.5	43	13.7
		25-year								19	6.6	43	13.7
		50-year								20	6.5	43	13.7
		100-year								21	6.6	43	13.7
LCCL112	8253.2	2-year	Trapezoidal	1	30	28.7	921.80	921.76	0.139	25	2.7	114	3.8
		5-year								42	3.3	114	3.8
		10-year								53	3.6	114	3.8
		25-year								67	3.9	114	3.8
		50-year								77	4.1	114	3.8
1.001.442	0050.4	100-year	Cincular	0	0	200.0	000.00	040.00	0.005	91	4.4	114	3.8
LUULII3	0202.1	2-year	Gircular	2	0	208.8	92U.Ub	910.38	0.805	20	6.0	19	6.0
		10-vear								20	0.9 6.8	19	0.0
		25-vear								20	6.8	19	6.0
		50-year								20	6.8	19	6.0
		100-year								20	6.8	19	6.0
LCCL113	8252.2	2-year	Trapezoidal	1	30	208.8	923.64	921.80	0.881	9	1.4	286	9.5
		5-year								23	2.3	286	9.5
		10-year								30	2.7	286	9.5
		25-year								41	3.1	286	9.5
		50-year								49	3.4	286	9.5
		100-year								59	3.7	286	9.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LCCL201	LCCL201	2-vear	Natural	8	0	237.1	901.16	880.68	8.637	24	0.4	47978	37.9
		5-year								33	0.3	47978	37.9
		10-year								38	0.3	47978	37.9
		25-year								45	0.3	47978	37.9
		50-year								50	0.3	47978	37.9
1.001.000	0000.4	100-year	O'mulan			00.7	005 74	004.40	7 000	57	0.3	47978	37.9
LCCL202	8283.1	2-year	Circular	3	0	62.7	905.74	901.16	7.309	24	16.6	167	23.7
		10-vear								38	19.3	167	23.7
		25-year								45	20.3	167	23.7
		50-year								50	21.0	167	23.7
		100-year								57	21.8	167	23.7
LCCL202	8283.2	2-year	Trapezoidal	1	30	62.7	909.74	909.68	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		50-vear								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LCCL203	8284.1	2-year	Circular	2.5	0	72.2	906.97	905.74	1.703	24	10.2	50	10.1
		5-year								33	11.2	50	10.1
		10-year								38	11.7	50	10.1
		25-year								45	12.3	50	10.1
		50-year								50	12.7	50	10.1
	8284.2	2-vear	Trapazoidal	1	30	72.2	010 72	000 74	1 357	57	13.2	355	10.1
LUCL203	0204.2	5-year	Паредониа		30	12.2	910.72	909.74	1.557	0	0.0	355	11.8
		10-year								0	0.0	355	11.8
		25-year								0	0.0	355	11.8
		50-year								0	0.0	355	11.8
		100-year								0	0.0	355	11.8
LCCL204	8285.1	2-year	Circular	2	0	80.4	909.18	906.97	2.748	12	6.3	20	6.5
		5-year								16	6.9	20	6.5
		25-vear								23	7.1	20	6.5
		50-year								25	8.0	20	6.5
		100-year								28	8.7	20	6.5
LCCL204	8285.2	2-year	Trapezoidal	1	30	80.4	913.18	910.72	3.059	0	0.0	533	17.8
		5-year								0	0.0	533	17.8
		10-year								0	0.0	533	17.8
		25-year								0	0.0	533	17.8
		100-vear								2	1.8	533	17.8
LCCMC01	LCCMC01	2-year	Natural	12	0	851.5	879.96	863.18	1.971	262	7.3	11935	18.3
		5-year								442	8.2	11935	18.3
		10-year								582	8.7	11935	18.3
		25-year								751	9.3	11935	18.3
		50-year								900	9.7	11935	18.3
1.0004000	1.0014000	100-year						070.00	0.047	1076	10.1	11935	18.3
LCCMC02	LCCMC02	∠-year 5-vear	Natural	14.5	0	1521.5	880.68	879.96	0.047	190	1.8	4402	3.3
		10-vear								407	2.2	4402	3.3
		25-year								517	2.6	4402	3.3
		50-year								607	2.8	4402	3.3
		100-year								716	3.0	4402	3.3
LCCMC03	LCCMC03	2-year	Natural	14	0	160.4	891.70	880.68	6.869	199	1.6	123213	43.6
		5-year								328	1.7	123213	43.6
		10-year								412 500	1.8	123213	43.6
		50-vear								522 610	2.U 2 1	123213	43.0 43.6
		100-year								716	2.2	123213	43.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	CCMC04A	2-vear	Rectangular	10.5	10.5	131.0	801 74	801 70	0.031	100	11.1	380	35
LOOMOOT	0011004/	5-vear	rectarigutar	10.5	10.0	101.0	001.74	031.70	0.001	328	14.6	389	3.5
		10-year								412	16.4	389	3.5
		25-year								522	18.6	389	3.5
		50-year								610	20.1	389	3.5
		100-year								716	21.9	389	3.5
LCCMC04	CCMC04B	2-year	Trapezoidal	1	30	131.0	906.00	905.87	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	90	3.2
LCCMC05	LCCMC05	2-vear	Trapezoidal	4	4	125.8	903 76	902 24	1 209	189	5.8	654	7.8
20011000	20011000	5-year	riapozoidai					002.21		312	6.6	654	7.8
		10-year								393	7.0	654	7.8
		25-year								496	7.4	654	7.8
		50-year								578	7.7	654	7.8
		100-year								676	8.2	654	7.8
LCCMC06	LCCMC06	2-year	Trapezoidal	6	100	10.0	901.74	901.74	0.000	189	0.4	8632	0.0
		5-year								312	0.6	8632	0.0
		10-year								393	0.7	8632	0.0
		25-year								496	0.9	8632	0.0
		100-year								578	1.0	8632	0.0
		2-vear	Tranazoidal	6	100	10.0	901 74	901 74	0.000	231	1.1	8632	0.0
LCCIVICO7	LCCINICUT	2-year 5-year	Паредониан	0	100	10.0	901.74	901.74	0.000	349	0.0	8632	0.0
		10-vear								431	0.8	8632	0.0
		25-year								531	1.0	8632	0.0
		50-year								608	1.1	8632	0.0
		100-year								707	1.2	8632	0.0
LCCMC08	CCMC08A	2-year	Rectangular	3.75	4	16.0	901.88	901.74	0.875	231	14.1	146	9.7
		5-year								339	22.5	146	9.7
		10-year								367	24.4	146	9.7
		25-year								384	25.5	146	9.7
		50-year								389	25.9	146	9.7
	CCMC08B	2-vear	Tranazoidal	3	30	33.0	907 10	907.07	0 100	390	20.3	556	9.7
LCCINCOO	CCINCOOD	5-year	Паредонал	5		55.0	307.10	307.07	0.100	16	22	556	6.2
		10-vear								77	4.1	556	6.2
		25-year								166	5.4	556	6.2
		50-year								239	6.2	556	6.2
		100-year								331	6.9	556	6.2
LCCMC09	LCCMC09	2-year	Trapezoidal	8	45	153.6	904.82	901.88	1.914	243	0.9	25709	16.0
		5-year								361	0.9	25709	16.0
		10-year								442	0.9	25709	16.0
		25-year								541	0.9	25709	16.0
		50-year								616	0.9	25709	16.0
	CCMC10A	2-vear	Circular	15	0	22.0	001 83	004 82	0.044	110	0.9 g 7	25709	10.0
LCCIVIC 10	CCINIC TUA	5-vear	Circular	1.5	0	22.9	904.03	904.02	0.044	14	8.6	1	0.7
		10-year								14	8.5	1	0.7
		25-year								14	8.3	1	0.7
		50-year								14	8.2	1	0.7
		100-year								14	7.9	1	0.7
LCCMC10	CCMC10B	2-year	Circular	1		22.9	904.83	904.82	0.044	5	7.1	0	0.5
		5-year								5	6.9	0	0.5
		10-year								5	6.8	0	0.5
		25-year								5	6.5	0	0.5
		50-year								5	6.4	0	0.5
		100-year								5	6.1	0	0.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LCCMC10	CCMC10C	2-vear	Trapezoidal	3	30	22.9	906 17	906 15	0 100	233	62	581	6.5
20011010		5-year	riapozoidai					000.10	000	359	7.2	581	6.5
		10-year								440	7.7	581	6.5
		25-year								540	8.3	581	6.5
		50-year								617	8.6	581	6.5
		100-year								717	9.1	581	6.5
LCCMC11	LCCMC11	2-year	Natural	14	0	1001.7	914.89	904.83	1.004	174	2.2	49973	11.9
		5-year								258	2.6	49973	11.9
		10-year								312	2.7	49973	11.9
		50-year								433	2.9	49973	11.9
		100-vear								502	3.1	49973	11.9
LCCMC12	LCCMC12	2-year	Natural	5.75	0	1276.3	928.25	914.89	1.047	106	2.2	10946	8.4
		5-year								159	2.4	10946	8.4
		10-year								193	2.4	10946	8.4
		25-year								235	2.5	10946	8.4
		50-year								269	2.5	10946	8.4
		100-year								312	2.6	10946	8.4
LCCMC13	CCMC13A	2-year	Circular	4	0	52.2	928.53	928.25	0.536	0	-0.1	98	7.8
		5-year								0	-0.1	98	7.8
		10-year								0	-0.1	98	7.8
		50-vear								0	-0.1	90	7.0
		100-vear								0	-0.1	98	7.8
LCCMC13	CCMC13B	2-vear	Trapezoidal	1	30	52.2	934.00	933.95	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LE23L101	LE23L101	2-year	Natural	7	2	1873.3	929.53	910.00	1.043	22	0.2	26848	10.8
		5-year								30	0.2	26848	10.8
		10-year								30	0.2	26848	10.8
		50-vear								43	0.2	26848	10.8
		100-vear								56	0.2	26848	10.8
LE23L102	8203.1	2-year	Circular	2	0	121.6	930.00	929.53	0.387	25	11.1	13	4.2
		5-year								26	11.3	13	4.2
		10-year								27	11.4	13	4.2
		25-year								28	11.5	13	4.2
		50-year								29	11.5	13	4.2
		100-year	_							29	11.6	13	4.2
LE23L102	8203.2	2-year	Frapezoidal	1	30	121.6	934.00	932.53	1.209	5	2.2	335	11.2
		5-year								17	3.5	335	11.2
		10-year								25	4.0	335	11.2
		50-year								42	4.0	335	11.2
		100-year								51	5.4	335	11.2
LE23L103	8204.1	2-year	Circular	2	0	53.4	930.14	930.00	0.262	23	7.2	11	3.4
		- 5-year								24	7.4	11	3.4
		10-year								24	7.6	11	3.4
		25-year								25	7.8	11	3.4
		50-year								25	7.8	11	3.4
		100-year								25	7.9	11	3.4
LE23L103	8204.2	2-year	Trapezoidal	1	30	53.4	934.14	934.00	0.262	14	2.2	156	5.2
		5-year								27	2.8	156	5.2
		25-vear								35	3.1	156	5.2
		50-vear								-+5	3.6	156	5.2
		100-year								63	3.9	156	5.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	0010 1	2 1005	Circulor	()		02.0	024 40	020 14	1 500	(3:3)	(P3) × 7	(0.0)	(00)
LEZ3L104	0212.1	2-year	Circular	2	0	03.3	_ଅ ର । . 42	5 30.14	0.00	22	7.1	20	ຽ.3 ຊາ
		10-vear								23 23	7.3	20	0.3 ຊາ
		25-vear								24	7.7	26	8.3
		50-year								25	7.8	26	8.3
		100-year								24	7.7	26	8.3
LE23L104	8212.2	2-year	Trapezoidal	1	30	83.3	935.09	934.14	1.140	8	1.7	326	10.9
		5-year								22	2.8	326	10.9
		10-year								31	3.3	326	10.9
		25-year								41	3.8	326	10.9
		50-year								50	4.1	326	10.9
		100-year								60	4.5	326	10.9
LE23L105	8514.1	2-year	Circular	2	0	46.8	931.66	931.42	0.513	23	7.1	15	4.8
		5-year								23	7.2	15	4.8
		10-year								23	7.2	15	4.8
		25-year								23	7.2	15	4.8
		50-year								23	7.3	15	4.8
		100-year								23	7.3	15	4.8
LE23L105	8514.2	2-year	I rapezoidal	1	30	46.8	935.24	935.09	0.321	14	2.2	173	5.8
		5-year								27	2.9	173	5.8
		10-year								35	3.2	1/3	5.8
		25-year								45	3.5	173	5.8
		100 year								53	3.7	173	5.8
1 5221 106	9010.1	2 voor	Circular	1.05	0	225 1	027.40	021.66	1 710	63 F	4.0	173	5.0 6.4
LEZSLIUG	0213.1	Z-year	Circular	1.25	0	335.1	937.40	931.00	1.713	5	5.2	0	6.4
		10-vear								<u> </u>	6.9	0 8	6.4
		25-vear								8	7.0	8	6.4
		50-vear								8	7.0	8	6.4
		100-year								8	7.0	8	6.4
LE23L106	8213.2	2-vear	Trapezoidal	1	30	335.1	940.65	935.24	1.614	0	0.0	388	12.9
		5-year								0	0.0	388	12.9
		10-year								0	0.0	388	12.9
		25-year								2	0.7	388	12.9
		50-year								3	0.8	388	12.9
		100-year								5	1.0	388	12.9
LE23L1A01	8211.1	2-year	Circular	2	0	134.7	934.86	931.66	2.376	18	6.5	32	10.3
		5-year								22	7.0	32	10.3
		10-year								23	7.1	32	10.3
		25-year								23	7.1	32	10.3
		50-year								23	7.1	32	10.3
		100-year								23	7.2	32	10.3
LE23L1A01	8211.2	2-year	Trapezoidal	1	30	134.7	937.00	935.24	1.307	0	0.0	349	11.6
		5-year								4	0.8	349	11.6
		10-year								10	1.4	349	11.6
		∠5-year								16	1.9	349	11.6
		100-year								22	2.3	349	11.6
	E23MC01A	2-vear	Rectangular	А	0	A1 E	007 40	006 50	2 170	20	2.0	549	11.0
LEZJIVICUT	EZSIVICUTA	∠-year 5-year	Reclangular	4	8	41.5	501.40	900.00	2.170	201	9.7	800	10.9
		10-vear								361	14.6	800 808	18.9
		25-year								454	16.8	000 606	18.9
		50-vear								529	18.5	606	18.9
		100-year								630	20.6	606	18.9
LE23MC01	E23MC01B	2-year	Trapezoidal	3	30	41.5	912.00	911.96	0.100	0	0.0	546	6.1
		5-year								0	0.0	546	6.1
		10-year								0	0.0	546	6.1
		25-year								0	0.0	546	6.1
		50-year								0	0.0	546	6.1
		100-year								0	0.0	546	6.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LE23MC02	LE23MC02	2-vear	Natural	5.6	<u></u> Λ	1605.8	910.00	907 40	0 162	576	23	6324	32
LEZOMOUZ		5-vear	i tatarai	0.0		1000.0	010.00	007.10	0.102	902	2.5	6324	3.2
		10-year								1024	2.5	6324	3.2
		25-year								1322	2.5	6324	3.2
		50-year								1573	2.5	6324	3.2
		100-year								1930	2.6	6324	3.2
LE23MC03	LE23MC03	2-year	Natural	7.5	0	614.9	911.41	910.00	0.229	398	1.4	17315	5.1
	-	5-year								615	1.4	17315	5.1
		10-year								740	1.5	17315	5.1
		25-year								886	1.7	17315	5.1
		50-year								1016	1.7	17315	5.1
LE23MC04	LE23MC04	2-vear	Natural	6	0	1102.0	916 56	Q11 41	0.467	296	3.7	7219	5.0
LEZSINOUT	LEZSWOO4	5-year	Indulai	0	0	1102.0	510.00	511.41	0.407	458	3.7	7219	5.9
		10-vear								556	3.6	7219	5.9
		25-year								691	3.6	7219	5.9
		50-year								787	3.6	7219	5.9
		100-year								911	3.6	7219	5.9
LE23MC05	LE23MC05	2-year	Natural	4	10	1172.6	923.58	916.56	0.599	135	3.2	1722	3.9
		5-year								211	3.2	1722	3.9
		10-year								248	3.2	1722	3.9
		25-year								299	3.2	1722	3.9
		50-year								337	3.3	1722	3.9
		100-year								387	3.3	1722	3.9
LE4MC01	LE4MC01	2-year	Circular	6	0	200.4	879.59	871.31	4.132	48	15.6	799	28.3
		5-year								75	17.7	799	28.3
		10-year								90	10.0	799	28.3
		50-year								172	20.7	799	20.3
		100-year								149	20.7	799	28.3
LE7MC01	LE7MC01	2-vear	Circular	5	0	158.2	885 46	879 23	3 937	82	18.3	480	24.4
LETWOOT	LETHIOUT	5-vear	onoului	0		100.2	000.10	070.20	0.007	119	20.3	480	24.4
		10-year								141	21.3	480	24.4
		25-year								171	22.4	480	24.4
		50-year								193	23.1	480	24.4
		100-year								222	24.0	480	24.4
LFPL101	8250.1	2-year	Circular	3	0	378.3	886.42	874.72	3.093	23	8.8	109	15.4
		5-year								26	9.4	109	15.4
		10-year								38	9.5	109	15.4
		25-year								46	9.6	109	15.4
		50-year								52	10.3	109	15.4
	8250.0	100-year	Tropozsidal		20	270.0	802.02	004.00	0.404	60	11.4	109	15.4
LFPL101	8∠00.2	∠-year 5-year	rapezoidal	1	30	3/8.3	893.02	891.39	0.431	0	0.0	200	b./
		10-veer								0	0.0	200	6.7
		25-vear								0	0.0	200	6.7
		50-year								0	0.0	200	6.7
		100-year								0	0.0	200	6.7
LFPL102	8454.1	2-year	Circular	2	0	46.3	886.65	886.42	0.496	23	10.3	15	4.7
		5-year								26	11.0	15	4.7
		10-year								38	14.4	15	4.7
		25-year								46	16.8	15	4.7
		50-year								52	18.4	15	4.7
		100-year								60	20.4	15	4.7
LFPL102	8454.2	2-year	Trapezoidal	1	30	46.3	893.15	893.02	0.281	0	0.0	162	5.4
		5-year								0	0.0	162	5.4
		10-year								0	0.0	162	5.4
		25-year								0	0.0	162	5.4
		50-year								0	0.0	162	5.4
		100-year								0	0.0	162	5.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I FPI 103	8455 1	2-vear	Circular	2	0	52.1	886.95	886.65	0.575	16	60	16	51
EITEIGO	0100.1	5-vear	Circular			02.1	000.00	000.00	0.070	10	6.1	16	5.1
		10-year								17	6.1	16	5.1
		25-year								17	6.1	16	5.1
		50-year								17	6.0	16	5.1
		100-year								17	6.0	16	5.1
LFPL103	8455.2	2-year	Trapezoidal	1	30	52.1	893.03	892.98	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								10	1.7	96	3.2
		50-vear								10	2.0	90	3.2
		100-vear								24	2.5	96	3.2
LFPL104	8251.1	2-year	Circular	1	0	105.0	888.09	886.95	1.086	6	7.9	3	4.4
		5-year								6	7.9	3	4.4
		10-year								6	7.9	3	4.4
		25-year								6	7.9	3	4.4
		50-year								6	7.9	3	4.4
		100-year								6	7.9	3	4.4
LFPL104	8251.2	2-year	Trapezoidal	3	30	105.0	891.09	890.99	0.100	10	1.6	556	6.2
		5-year								19	2.0	556	6.2
		25-vear								20	1.9	556	6.2
		50-vear								35	1.9	556	6.2
		100-year								40	1.9	556	6.2
LFPL201	8456.1	2-year	Circular	2	0	89.5	884.11	874.72	10.487	75	23.4	68	21.7
		5-year								87	27.2	68	21.7
		10-year								86	27.1	68	21.7
		25-year								86	27.1	68	21.7
		50-year								86	27.1	68	21.7
		100-year								86	27.0	68	21.7
LFPL201	8456.2	2-year	Irapezoidal	1	30	89.5	891.94	891.39	0.614	0	0.0	239	8.0
		5-year								24	3.3	239	8.0
		25-vear								72	5.0	239	8.0
		50-year								92	5.5	239	8.0
		100-year								119	6.1	239	8.0
LFPL202	8457.1	2-year	Circular	2	0	97.5	888.14	884.11	4.133	56	18.6	43	13.6
		5-year								56	18.6	43	13.6
		10-year								56	18.6	43	13.6
		25-year								56	18.6	43	13.6
		50-year								56	18.6	43	13.6
	8457.0	2-vear	Tranazoidal	2	20	07 F	802 14	801 04	0.205	90	18.6	43	7.0
LFFL202	0407.2	∠-year 5-vear	riapezulual	2	30	97.5	092.14	091.94	0.205	29 Q2	2.7	421	7.0
		10-vear								111	4.6	421	7.0
		25-year								138	5.0	421	7.0
		50-year								157	5.3	421	7.0
		100-year								182	5.6	421	7.0
LFPL203	8496.1	2-year	Circular	1.25	0	222.0	888.41	888.14	0.122	7	5.8	2	1.7
		5-year								7	5.8	2	1.7
		10-year								7	5.8	2	1.7
		25-year								7	5.8	2	1.7
		100-year								7	5.8 5.9	2	1.7
FPI 203	8496.2	2-vear	Trapezoidal	2	२ ∩	222 ∩	891.66	891 44	0 100	7/	2.0	20/	1.7
LL00	5100.2	5-year		2		222.0	001.00		0.100	109	2.8	294	4.9
		10-year								128	2.9	294	4.9
		25-year								154	3.2	294	4.9
		50-year								173	3.4	294	4.9
		100-year								198	3.7	294	4.9

Link Name	Conduit Name	Return	Shane	Diam./ Height	Bottom Width	Length	U/S Invert	D/S Invert	Conduit Slope	Max Flow (cfs)	Max Velocity (fns)	Design Full Flow	Design Velocity (fps)
	0400.4	2 4655	Circular	4.05	(1001)	400.0	000.00	000.44	(/0)	(513)	(641)	(013)	(641)
LTML204	0499.1	2-year 5-vear	Gircular	1.25	0	102.8	000.89	000.41	0.467	4	3.6	4	<u>3.3</u> 3.3
		10-vear								4	3.6	4	3.3
		25-year								4	3.6	4	3.3
		50-year								4	3.6	4	3.3
		100-year								4	3.6	4	3.3
LFPL204	8499.2	2-year	Trapezoidal	3	30	102.8	891.39	891.29	0.100	72	1.9	557	6.2
		5-year								105	2.1	557	6.2
		10-year								124	2.4	557	6.2
		25-year								150	2.7	557	6.2
		100-year								109	2.9	557	6.2
LEPI 205	8497 1	2-vear	Circular	1 25	0	124.2	890.46	888 89	1 265	134	6.2	7	5.5
	0437.1	5-vear	Oncolar	1.20	0	127.2	000.40	000.00	1.200	8	6.1	7	5.5
		10-year								8	6.1	7	5.5
		25-year								8	6.1	7	5.5
		50-year								8	6.1	7	5.5
		100-year								8	6.1	7	5.5
LFPL205	8497.2	2-year	Trapezoidal	3	30	124.2	893.71	891.39	1.869	70	3.2	2405	26.7
		5-year								103	3.6	2405	26.7
		10-year								123	4.0	2405	26.7
		25-year								149	4.4	2405	26.7
		100-year								108	4.7	2405	26.7
LEPI 206	8498 1	2-vear	Circular	1 25	0	95.3	890 84	890.46	0 300	135	5.2	2403	20.7
LITE200	0430.1	5-year	Circular	1.25	0	30.5	030.04	030.40	0.335	6	5.2	4	3.1
		10-year								6	5.1	4	3.1
		25-year								6	5.1	4	3.1
		50-year								6	5.1	4	3.1
		100-year								6	5.1	4	3.1
LFPL206	8498.2	2-year	Trapezoidal	1	30	95.3	894.09	893.71	0.399	72	4.4	193	6.4
		5-year								104	5.1	193	6.4
		10-year								123	5.4	193	6.4
		25-year								149	5.8	193	6.4
		100-year								100	6.1	193	6.4
LEPL301	8458 1	2-vear	Circular	2	0	451.2	878 80	874 72	0 904	133	4.9	20	6.4
LITEOU	0430.1	5-vear	Oncolar	2	0	401.2	070.00	014.12	0.304	22	6.8	20	6.4
		10-year								28	8.8	20	6.4
		25-year								31	9.7	20	6.4
		50-year								31	9.8	20	6.4
		100-year								32	9.9	20	6.4
LFPL301	8458.2	2-year	Trapezoidal	1	30	451.2	887.00	886.55	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								3	0.9	96	3.2
		100-year								11 22	1.5	96	3.2
LEBMC01	LEPMC01	2-vear	Circular	6	n	107 ዖ	873.07	871 48	1 475	130	2.0 14 7	90 179	16.0
		5-year	Jirodiai	0	0	107.0	515.01	071.40	1.413	240	16.9	478	16.9
		10-year								296	17.8	478	16.9
		25-year								369	18.8	478	16.9
		50-year								417	19.1	478	16.9
		100-year								479	19.3	478	16.9
LFPMC02	FPMC02A	2-year	Circular	6	0	27.2	873.48	873.07	1.508	139	14.7	483	17.1
		5-year								240	16.9	483	17.1
		10-year								295	17.8	483	17.1
		25-year								369	18.8	483	17.1
		100-year								417	19.2	483 483	17.1
		100-year	l							419	19.4	403	17.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LEPMC02	FPMC02B	2-vear	Trapezoidal	1	30	27.2	908.00	907 97	0 100	0	0.0	101	3.4
	TTWOOLD	5-vear	Trapozoidai			21.2	000.00	001.01	0.100	0	0.0	101	3.4
		10-year								0	0.0	101	3.4
		25-year								0	0.0	101	3.4
		50-year								0	0.0	101	3.4
		100-year								0	0.0	101	3.4
LFPMC03	FPMC03A	2-year	Circular	6	0	84.2	874.72	873.48	1.473	138	14.7	477	16.9
		5-year								240	16.9	477	16.9
		10-year								295	17.8	477	16.9
		25-year								309	10.7	477	16.9
		100-year								479	19.2	477	16.9
LFPMC03	FPMC03B	2-vear	Trapezoidal	1	30	84.2	908.08	908.00	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LFPMC04	8459.1	2-year	Circular	2.5	0	385.7	886.42	874.72	3.033	37	8.7	39	7.9
		5-year								40	8.9	39	7.9
		10-year								40	8.9	39	7.9
		25-year								40	8.9	39	7.9
		100-year								40	8.9	39	7.9
LEPMC04	8459.2	2-vear	Trapezoidal	1	30	385.7	888.00	887 61	0 100	16	1.7	96	3.2
	0100.2	5-vear	Trapozoidai			000.1	000.00	007.01	0.100	62	3.1	96	3.2
		10-year								95	3.7	96	3.2
		25-year								128	4.6	96	3.2
		50-year								154	5.3	96	3.2
		100-year								187	6.2	96	3.2
LFPMC05	LFPMC05	2-year	Natural	6	14	1428.6	887.00	886.42	0.041	20	0.6	746	1.0
		5-year								39	0.9	746	1.0
		10-year								52	1.1	746	1.0
		25-year								81	1.2	746	1.0
		100-year								97	1.2	740	1.0
LIPL201	LIPL201	2-vear	Natural	9	10	484.0	902.67	896.50	1.275	95	3.6	28318	11.6
		5-year								154	2.2	28318	11.6
		10-year								185	1.8	28318	11.6
		25-year								223	1.6	28318	11.6
		50-year								257	1.9	28318	11.6
		100-year								297	2.8	28318	11.6
LIPL202	LIPL202	2-year	Natural	4	10	1173.1	909.87	902.67	0.614	42	2.3	848	3.7
		5-year								57	2.5	848	3.7
		10-year								63	2.6	848	3.7
		∠o-year 50-vear								80 81	2.7	848 848	3.7
		100-vear								94	2.8	848	3.7
LIPL203	LIPL203	2-year	Natural	4	15	549.6	923.00	909.87	2.389	4	0.9	1388	8.4
		5-year								6	1.0	1388	8.4
		10-year								7	1.1	1388	8.4
		25-year								8	1.1	1388	8.4
		50-year								9	1.1	1388	8.4
		100-year								10	1.2	1388	8.4
LIPL204	8224.1	2-year	Circular	2	0	108.3	923.54	923.00	0.499	4	5.1	15	4.7
		5-year								6	5.7	15	4.7
		10-year								7	6.0	15	4.7
		50-year								<u>ہ</u> م	6.0	15	4.7 4.7
		100-year								10	6.9	15	4.7
	1	,	1			1							

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8224.2	2 voor	Tranazaidal	(1001)	(1001)	109.2	020 54	027.00	2.269	(0.0)	(.pc)	(010)	(190)
LIF L204	0224.2	2-year 5-year	Паредониа		30	100.5	930.34	927.00	3.200	0	0.0	551	18.4
		10-year								0	0.0	551	18.4
		25-year								0	0.0	551	18.4
		50-year								0	0.0	551	18.4
		100-year								0	0.0	551	18.4
LIPL205	8225.1	2-year	Circular	2	0	52.6	925.04	923.54	2.853	4	4.8	35	11.3
		5-year								6	5.4	35	11.3
		10-year								7	5.7	35	11.3
		25-year								8	6.0	35	11.3
		100-year								10	6.5	35	11.3
LIPI 205	8225.2	2-vear	Trapezoidal	1	30	52.6	931 29	929 54	3 329	.0	0.0	557	18.6
2.1. 2200	022012	5-year	rapozoidai			02.0	001120	020101	0.020	0	0.0	557	18.6
		10-year								0	0.0	557	18.6
		25-year								0	0.0	557	18.6
		50-year								0	0.0	557	18.6
		100-year								0	0.0	557	18.6
LIPL206	8226.1	2-year	Circular	1.25	0	233.7	928.85	925.04	1.630	4	6.5	8	6.2
		5-year								6	7.0	8	6.2
		10-year									7.2	8	6.2
		25-year								8	8.0	8	6.2
		100-year								8	8.2	8	6.2
LIPL206	8226.2	2-vear	Trapezoidal	1	30	233.7	932.10	930.29	0.774	0	0.0	268	8.9
		5-year								0	0.0	268	8.9
		10-year								0	0.0	268	8.9
		25-year								0	0.4	268	8.9
		50-year								1	0.9	268	8.9
		100-year								2	1.2	268	8.9
LIPL2A01	LIPL2A01	2-year	Trapezoidal	4	24	168.0	903.91	902.67	0.738	46	1.1	1161	7.3
		5-year								77	1.2	1161	7.3
		10-year								93	1.2	1161	7.3
		50-year								133	1.5	1161	7.3
		100-year								154	1.7	1161	7.3
LIPL2A02	LIPL2A02	2-year	Natural	4	24	1114.6	916.83	903.91	1.159	40	1.7	7168	7.0
		5-year								58	1.8	7168	7.0
		10-year								68	1.8	7168	7.0
		25-year								84	1.8	7168	7.0
		50-year								96	1.8	7168	7.0
	00000	100-year					o	045.5		111	1.8	7168	7.0
LIPL2A03	8229.1	2-year	Circular	2.5	0	127.5	917.54	916.83	0.557	24	9.3	28	5.8
		5-year								34	10.5	28	5.8
		25-year								41 43	13.3	28	5.8 5.8
		50-year								44	13.5	28	5.8
		100-year								46	13.6	28	5.8
LIPL2A03	8229.2	2-year	Trapezoidal	1	30	127.5	922.12	920.83	1.012	0	0.0	307	10.2
		5-year								0	0.0	307	10.2
		10-year								0	0.0	307	10.2
		25-year								7	2.3	307	10.2
		50-year								12	2.9	307	10.2
	0000 1	100-year	Circulture			40 -	047.00	047	0.000	20	3.5	307	10.2
LIPL2A04	8228.1	∠-year	Circular	2	0	46.5	917.99	917.54	0.969	24	7.6	21	6.6
		10-vear								34 36	10.8	∠1 21	0.0
		25-year								37	11.7	21	6.6
		50-year								37	11.7	21	6.6
		100-year								37	11.8	21	6.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LIPI 2404	8228.2	2-vear	Trapezoidal	2	30	46.5	922.24	921 12	2 411	0	0.0	1444	24.1
	OLLO.L	5-vear	Trapozoidai			10.0	022.21	021112	2.111	0	0.0	1444	24.1
		10-year								19	2.8	1444	24.1
		25-year								36	3.0	1444	24.1
		50-year								43	3.1	1444	24.1
		100-year								52	3.4	1444	24.1
LIPL2A05	8227.1	2-year	Circular	2	0	134.3	918.27	917.99	0.208	23	7.4	10	3.1
		5-year								24	7.5	10	3.1
		10-year								24	7.5	10	3.1
		50-vear								24	7.5	10	3.1
		100-year								24	7.6	10	3.1
LIPL2A05	8227.2	2-year	Trapezoidal	2	30	134.3	921.52	921.24	0.208	1	0.7	425	7.1
		5-year								28	2.4	425	7.1
		10-year								40	2.5	425	7.1
		25-year								48	2.6	425	7.1
		50-year								55	2.5	425	7.1
		100-year								63	2.5	425	7.1
LIPL401	LIPL401	2-year	Natural	6	6	923.8	901.03	897.01	0.435	19	1.0	1554	3.6
		5-year								28	1.0	1554	3.0
		25-vear								35	1.0	1554	3.6
		50-vear								42	0.9	1554	3.6
		100-year								46	0.9	1554	3.6
LIPL402	IPL402A	2-year	Special	2.67	3.33	86.9	901.98	901.03	1.093	20	5.1	51	5.7
		5-year								28	5.8	51	5.7
		10-year								31	6.0	51	5.7
		25-year								35	6.3	51	5.7
		50-year								43	6.8	51	5.7
		100-year	-				007.00		0.400	46	7.0	51	5.7
LIPL402	IPL402B	2-year	Irapezoidal	1	30	86.9	907.00	906.91	0.100	0	0.0	96	3.2
		5-year 10-vear								0	0.0	96	3.2
		25-vear								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LIPL403	LIPL403	2-year	Natural	4.5	5	320.7	903.61	901.98	0.507	20	2.2	1927	3.9
		5-year								29	2.3	1927	3.9
		10-year								31	2.4	1927	3.9
		25-year								36	2.4	1927	3.9
		50-year								44	2.4	1927	3.9
		2-vear	Special	25	3 5	477	003 86	903 61	0.524	40 20	2.4 ج ع	1927	3.9 2.9
LII L404	L404A	5-vear	opeola	2.0	3.5	77.7	555.00	505.01	0.024	20	6.4	20 26	3.8
		10-year								31	6.6	26	3.8
		25-year								36	7.1	26	3.8
		50-year								44	7.8	26	3.8
		100-year								46	8.1	26	3.8
LIPL404	IPL404B	2-year	Trapezoidal	1	30	47.7	908.69	907.81	1.844	0	0.0	414	13.8
		5-year								0	0.0	414	13.8
		10-year								0	0.0	414	13.8
		∠5-year								0	0.0	414	13.8
		100-vear								0	0.0	414 414	13.8
LIPL405	LIPL405	2-year	Natural	5	5	233.6	906.93	903.86	1.317	20	1.8	4157	67
		5-year					110.00	115.00		29	1.9	4157	6.7
		10-year								31	2.0	4157	6.7
		25-year								36	2.0	4157	6.7
		50-year								44	2.1	4157	6.7
		100-year								47	2.2	4157	6.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LIPI 406	8470 1	2-year	Circular	25	0	50 9	910 27	906 93	6 562	20	11 1	57	11.6
	0110.1	5-vear	onoului	2.0		00.0	010.27	000.00	0.002	20	12.3	57	11.6
		10-year								31	12.5	57	11.6
		25-year								36	13.1	57	11.6
		50-year								44	13.9	57	11.6
		100-year								47	13.9	57	11.6
LIPL406	8470.2	2-year	Trapezoidal	1	30	50.9	915.60	911.60	7.866	0	0.0	855	28.5
		5-year								0	0.0	855	28.5
		10-year								0	0.0	855	28.5
		25-year								0	0.0	855	28.5
		100-year								0	0.0	855	28.5
LIPL407	8471.1	2-vear	Circular	2	0	127.0	912.80	910.27	1.993	20	10.1	30	9.4
		5-year								29	10.9	30	9.4
		10-year								31	11.2	30	9.4
		25-year								36	11.9	30	9.4
		50-year								44	13.9	30	9.4
		100-year								47	14.6	30	9.4
LIPL407	8471.2	2-year	Trapezoidal	1	30	127.0	918.55	914.60	3.111	0	0.0	538	17.9
		5-year								0	0.0	538	17.9
		10-year								0	0.0	538	17.9
		25-year								0	0.0	538	17.9
		100-year								0	0.0	538	17.9
	8230.1	2-vear	Circular	2	0	363.0	919 35	912.80	1 805	20	0.0	28	9.0
	0200.1	5-vear	Oncular	2	0	000.0	515.55	512.00	1.000	20	10.3	28	9.0
		10-year								31	10.5	28	9.0
		25-year								35	10.9	28	9.0
		50-year								35	11.0	28	9.0
		100-year								35	11.0	28	9.0
LIPL408	8230.2	2-year	Trapezoidal	1	30	363.0	924.93	917.55	2.033	0	0.0	435	14.5
		5-year								0	0.0	435	14.5
		10-year								0	0.0	435	14.5
		25-year								2	1.8	435	14.5
		50-year								16	3.7	435	14.5
	8231.1	2-vear	Circular	2	0	61.5	010 30	010 35	0.065	24	4.2	433	14.5
LII L409	0231.1	5-vear	Circular	2	0	01.5	313.33	313.33	0.005	20	9.5	5	1.7
		10-vear								31	9.7	5	1.7
		25-year								33	10.4	5	1.7
		50-year								33	10.4	5	1.7
		100-year								33	10.4	5	1.7
LIPL409	8231.2	2-year	Trapezoidal	2	30	61.5	924.56	923.93	1.025	0	0.0	941	15.7
		5-year								0	0.0	941	15.7
		10-year								0	0.0	941	15.7
		25-year								42	3.1	941	15.7
		50-year								53	3.2	941	15.7
	8222.1	2-vear	Circular	2	0	72.0	010 61	010 20	0 202	00	3.4	941	15.7
	0232.1	2-year	Circular	2	0	12.9	919.01	519.39	0.302	20 20	0.3 Q 1	12	3.7
		10-vear								23 31	9,8	12	3.7
		25-year								31	9.9	12	3.7
		50-year								31	9.9	12	3.7
		100-year								32	10.0	12	3.7
LIPL410	8232.2	2-year	Trapezoidal	2	30	72.9	924.69	923.56	1.550	0	0.0	1158	19.3
		5-year								0	0.0	1158	19.3
		10-year								0	0.0	1158	19.3
		25-year								36	2.8	1158	19.3
		50-year								51	3.0	1158	19.3
		100-year								59	3.2	1158	19.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	00004	2 100	Circuler	()		007 5	000.40	010.04	(/0)	(3:3)	(641)	(013)	(,63)
LIPL411	0233.1	2-year 5-vear	Gircular	2	0	221.5	922.40	919.01	1.227	20	0.9 7 0	23	7.4 7.4
		10-vear								23	7.6	23	7.4
		25-year								22	7.1	23	7.4
		50-year								22	7.1	23	7.4
		100-year								22	7.1	23	7.4
LIPL411	8233.2	2-year	Trapezoidal	2	30	227.5	924.90	923.69	0.532	0	0.0	678	11.3
		5-year								11	2.3	678	11.3
		10-year								22	2.7	678	11.3
		25-year								34	2.8	678	11.3
		50-year								39	2.7	678	11.3
		2 voor	Tranazaidal	6	20	67.6	000.00	907.09	2 096	40	3.0	5900	11.3
LIFLOU	LIFLOUT	2-year 5-year	Паредониан	0	20	07.0	900.00	097.90	2.900	36	1.0	5800	17.3
		10-vear								42	1.0	5800	17.3
		25-year								50	1.0	5800	17.3
		50-year								56	1.1	5800	17.3
		100-year								64	1.1	5800	17.3
LIPL502	IPL502A	2-year	Circular	3.5	0	53.4	901.84	900.00	3.444	26	10.0	101	10.5
		5-year								36	11.2	101	10.5
		10-year								42	11.8	101	10.5
		25-year								50	12.4	101	10.5
		50-year								56	12.7	101	10.5
		100-year								64	13.1	101	10.5
LIPL502	IPL502B	2-year	Irapezoidal	1	30	53.4	905.00	904.95	0.100	0	0.0	93	3.1
		5-year								0	0.0	93	3.1
		25-vear								0	0.0	93	3.1
		50-vear								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LIPL601	LIPL601	2-year	Natural	6.2	4	524.6	901.37	899.05	0.443	119	0.5	71892	14.7
		5-year								163	0.5	71892	14.7
		10-year								187	0.5	71892	14.7
		25-year								208	0.5	71892	14.7
		50-year								218	0.4	71892	14.7
		100-year	a							224	0.4	71892	14.7
LIPL602	IPL602A	2-year	Special	2	3.5	66.1	901.77	901.37	0.601	22	6.8	24	3.7
		5-year								34	1.1	24	3.7
		25-vear								40	0.0	24	3.7
		50-vear								52	9.7	24	3.7
		100-year								56	10.0	24	3.7
LIPL602	IPL602B	2-year	Trapezoidal	1	30	66.1	906.66	906.59	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LIPL603	LIPL603	2-year	Natural	4	20	448.5	904.50	901.77	0.609	47	1.6	6596	10.3
		5-year								74	1.7	6596	10.3
		25-year								100	1.8	0596	10.3
		50-vear								120	1.0	6596	10.3
		100-year								137	1.9	6596	10.3
LIPL604	8468.1	2-year	Circular	3	0	67.7	905.30	904.50	1.181	15	9.3	67	9.5
		5-year								22	10.5	67	9.5
		10-year								26	11.1	67	9.5
		25-year								31	11.8	67	9.5
		50-year								35	12.4	67	9.5
		100-year								40	12.9	67	9.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8/68 2	2-vear	Trapazoidal	(,	30	67.7	013 72	911.00	4.016	()	0.0	611	20.4
	0400.2	5-vear	Trapezoidai			07.1	515.72	511.00	4.010	0	0.0	611	20.4
		10-year								0	0.0	611	20.4
		25-year								0	0.0	611	20.4
		50-year								0	0.0	611	20.4
		100-year								0	0.0	611	20.4
LIPL605	8469.1	2-year	Circular	2	0	311.3	911.63	905.30	2.034	15	9.0	30	9.5
		5-year								22	10.4	30	9.5
		10-year								26	10.7	30	9.5
		25-year								31	11.0	30	9.5
		100-year								36	11.7	30	9.5
LIPI 605	8469.2	2-vear	Trapezoidal	1	30	311.3	915 55	912 72	0 909	0	0.0	291	9.7
211 2000	0100.2	5-vear	Trapozoidai		00	011.0	010.00	012.72	0.000	0	0.0	291	9.7
		10-year								0	0.0	291	9.7
		25-year								0	0.0	291	9.7
		50-year								0	0.0	291	9.7
		100-year								4	1.8	291	9.7
LIPL6A01	8393.1	2-year	Circular	2	0	84.4	906.85	904.50	2.783	33	16.4	35	11.2
		5-year								38	18.0	35	11.2
		10-year								39	18.3	35	11.2
		25-year								41	18.7	35	11.2
		50-year								43	18.9	35	11.2
	8303.2	2-vear	Tranazoidal	1	30	84.4	012 /3	912.00	0.500	45	19.1	218	73
LIFLOAUT	0393.2	2-year 5-year	Паредониан			04.4	912.43	912.00	0.509	14	2.5	210	7.3
		10-vear								23	3.0	218	7.3
		25-year								34	3.5	218	7.3
		50-year								43	3.8	218	7.3
		100-year								55	4.2	218	7.3
LIPL6A02	8223.1	2-year	Circular	2	0	231.8	907.39	906.85	0.233	16	5.2	10	3.2
		5-year								17	5.5	10	3.2
		10-year								18	5.6	10	3.2
		25-year								18	5.6	10	3.2
		50-year								18	5.6	10	3.2
	8000.0	100-year	Tranazaidal	2	20	221.0	012.66	012.42	0.100	18	5.7	202	3.2
LIPLOAUZ	0223.2	z-year	Паредоциа	2	30	231.0	912.00	912.43	0.100	18	1.0	293	4.9
		10-vear								23	2.1	293	4.9
		25-vear								30	2.3	293	4.9
		50-year								35	2.5	293	4.9
		100-year								41	2.6	293	4.9
LIPL6A03	8222.1	2-year	Circular	2	0	43.2	908.01	907.39	1.436	15	5.1	25	8.0
		5-year								17	5.5	25	8.0
		10-year								18	5.8	25	8.0
		25-year								18	5.8	25	8.0
		50-year								18	5.8	25	8.0
	0000.0	100-year	Teerstit		<u>^-</u>	10.0	011.01	044.04	0.000	20	6.4	25	8.0
LIPL6A03	8222.2	∠-year	i rapezoidal	3	30	43.2	911.34	911.31	0.069	18	1.3	464	5.2
		10-vear								∠0 21	1.4	404	5.2
		25-vear								38	1.4	464	5.2
		50-year								43	1.4	464	5.2
		100-year								49	1.5	464	5.2
LIPMC02	LIPMC02	2-year	Natural	11.2	0	824.4	887.24	885.58	0.201	873	2.7	19847	4.9
		5-year								1226	2.6	19847	4.9
		10-year								1369	2.6	19847	4.9
		25-year								1506	2.6	19847	4.9
		50-year								1705	2.6	19847	4.9
		100-year								1766	2.6	19847	4.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	IPMC03A	2-vear	Liser Defined	0	0	41.6	887.40	887.24	0.384	856	10.0	(0.0)	11.4
	II MOUSA	5-vear	OSCI Denneu	0	0	+1.0	007.40	007.24	0.00+	1217	13.4	0	11.4
		10-year								1380	14.7	0	11.4
		25-year								1549	15.9	0	11.4
		50-year								1764	17.3	0	11.4
		100-year								1852	17.7	0	11.4
LIPMC03	IPMC03B	2-year	Trapezoidal	2	30	41.6	894.50	894.46	0.100	0	0.0	288	4.8
		5-year								0	0.0	288	4.8
		10-year								0	0.0	288	4.8
		25-year								1	0.6	288	4.8
		100-year								113	2.5	288	4.0
LIPMC04	LIPMC04	2-vear	Natural	81	0	1846.0	891 21	887 40	0 206	856	22	8741	4.4
2.1.11.001	2.1.1.001	5-year	- latara	0.1			001121		0.200	1205	2.3	8741	4.4
		10-year								1402	2.4	8741	4.4
		25-year								1638	2.5	8741	4.4
		50-year								1895	2.6	8741	4.4
		100-year								2040	2.7	8741	4.4
LIPMC05	IPMC05A	2-year	User Defined	0	0	21.6	891.75	891.21	2.501	837	6.8	0	16.0
		5-year								1195	8.6	0	16.0
		10-year								1394	9.5	0	16.0
		25-year								1642	10.2	0	16.0
		100-year								2045	11.5	0	16.0
		2-vear	Tranazoidal	1	30	21.6	902.00	001 08	0 100	2045	0.0	03	3.1
LIFINCUS	IF MC03B	2-year 5-year	Паредониан		30	21.0	902.00	901.90	0.100	0	0.0	93	3.1
		10-vear								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LIPMC06	LIPMC06	2-year	Natural	8	0	247.5	892.00	891.75	0.101	836	2.1	6538	3.3
		5-year								1194	2.0	6538	3.3
		10-year								1393	2.0	6538	3.3
		25-year								1643	2.1	6538	3.3
		50-year								1846	2.2	6538	3.3
		2-vear	Rectangular	12	12	95.2	802 50	802.00	0.525	2040	2.2	2304	16.0
		5-year	Rectarigutar	12	12	33.2	032.30	032.00	0.323	398	7.6	2304	16.0
		10-vear								464	8.4	2304	16.0
		25-year								548	9.1	2304	16.0
		50-year								615	9.9	2304	16.0
		100-year								682	10.4	2304	16.0
LIPMC07	IPMC07B	2-year	Trapezoidal	1	30	95.2	908.00	907.90	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		2-vear	Natural	10	0	1763.2	806 15	802 50	0 207	751	0.0	25036	ى.ئ 5 1
		∠-year 5-vear	inaluidi	10	0	1703.3	090.15	092.00	0.207	1065	2.1	25036	5.1 5.1
		10-year								1246	2.2	25036	5.1
		25-year								1487	2.3	25036	5.1
		50-year								1649	2.4	25036	5.1
		100-year								1840	2.4	25036	5.1
LIPMC09	IPMC09A	2-year	Rectangular	12	8	151.3	896.30	896.15	0.099	384	11.5	575	6.0
		5-year								537	14.5	575	6.0
		10-year								627	16.2	575	6.0
		25-year								746	18.3	575	6.0
		50-year								831	19.6	575	6.0
		100-year								924	21.0	575	6.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Trapezoidal	1	30	151.3	912.00	911.85	0 100	0	0.0	96	32
	II MOOD	5-vear	Trapozoidai			101.0	012.00	011.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LIPMC10	LIPMC10	2-year	Trapezoidal	10	6	20.5	896.50	896.30	0.978	617	7.2	4535	12.6
		5-year								878	8.3	4535	12.6
		10-year								1027	8.8	4535	12.6
		25-year								1221	9.2	4535	12.6
		50-year								1363	9.4	4535	12.6
		100-year								1527	9.8	4535	12.6
LIPMC11	LIPMC11	2-year	Irapezoidal	8	6	26.3	897.01	896.50	1.937	580	2.0	22383	15.0
		5-year								826	1.6	22383	15.0
		10-year								975	1.6	22383	15.0
		25-year								1212	1.7	22303	15.0
		100-year								1492	1.7	22303	15.0
LIPMC12	LIPMC12	2-vear	Natural	6	22	1160.2	897 08	897 01	0 084	567	1.0	3500	2.5
		5-year		0		1100.2	031.30	007.01	0.004	817	1.1	3599	2.5
		10-vear								964	1.2	3599	2.5
		25-vear								1153	1.3	3599	2.5
		50-year								1293	1.3	3599	2.5
		100-year								1434	1.3	3599	2.5
LIPMC13	IPMC13A	2-year	Rectangular	6	6	87.2	899.05	897.98	1.226	289	15.4	554	15.4
		5-year	<u> </u>			-				417	18.1	554	15.4
		10-year								491	19.4	554	15.4
		25-year								590	21.0	554	15.4
		50-year								662	22.0	554	15.4
		100-year								727	22.9	554	15.4
LIPMC13	IPMC13B	2-year	Trapezoidal	1	30	87.2	905.00	904.91	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3
LIPMC14	LIPMC14	2-year	Trapezoidal	8	10	1301.8	901.49	899.05	0.187	482	4.3	1664	5.0
		5-year								706	4.7	1664	5.0
		10-year								836	5.0	1664	5.0
		25-year								1026	5.2	1664	5.0
		100-year								13/1	5.4	1664	5.0
		2-vear	Rectangular	E	6	25.0	002.00	001 40	1 404	1341	0.0 7 0	1004	0.0 15.6
		2-year 5-year	Reclangular	5	Ö	35.8	902.00	501.49	1.424	245	٥. <i>1</i>	407	15.0
		10-vear							L	270	0.1	407	15.6
		25-year								282	9.3	467	15.6
		50-year								285	9.4	467	15.6
		100-year								288	9.4	467	15.6
LIPMC15	IPMC15B	2-year	Trapezoidal	5	30	35.8	906.00	905.96	0.100	-10	-1.0	1284	8.6
		5-year								189	4.9	1284	8.6
		10-year								380	7.3	1284	8.6
		25-year								560	8.3	1284	8.6
		50-year								690	8.9	1284	8.6
		100-year								863	9.7	1284	8.6
LIPMC16	LIPMC16	2-year	Trapezoidal	7	10	337.3	903.73	902.00	0.513	434	4.4	1922	7.6
		5-year								635	4.7	1922	7.6
		10-year								754	4.9	1922	7.6
		25-year								920	5.1	1922	7.6
		50-year								1041	5.3	1922	7.6
		100-year								1203	5.5	1922	7.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Rectangular	(,		117	003.00	003 73	0.204	017	76	240	0.7
		∠-year 5-vear	rectanyular	5	8	44./	303.90	303.13	0.301	312	7.0 8.0	349	0.7 8 7
		10-year								337	9.1	349	8.7
		25-year								359	9.1	349	8.7
		50-year								372	9.1	349	8.7
		100-year								385	9.2	349	8.7
LIPMC17	IPMC17B	2-year	Trapezoidal	4	30	44.7	908.00	907.96	0.100	0	0.0	820	6.8
		5-year								12	1.7	820	6.8
		10-year								81	4.1	820	6.8
		25-year								203	5.7	820	6.8
		50-year								299	0.0	820	6.0 6.8
LIPMC18	LIPMC18	2-vear	Tranezoidal	75	22	580.4	904.00	903.90	0.017	430	1.0	1246	1.4
		5-vear	Trapezoidai	1.5		500.4	304.00	303.30	0.017	635	1.9	1246	1.4
		10-year								753	1.9	1246	1.4
		25-year								919	1.9	1246	1.4
		50-year								1039	1.9	1246	1.4
		100-year								1199	2.0	1246	1.4
LIPMC19	IPMC19A	2-year	Rectangular	5	8	50.9	904.25	904.00	0.500	218	7.5	397	9.9
		5-year								319	9.0	397	9.9
		10-year								376	9.7	397	9.9
		25-year								423	10.2	397	9.9
		50-year								449	10.5	397	9.9
		100-year	Transsidal	4	20	50.0	000.00	000.05	0.400	474	11.4	397	9.9
	IPMC19B	∠-year 5-vear	rapezoidal	4	30	50.9	909.00	908.95	0.100	0	0.0	860	7.2
		10-vear								7	0.0	008 038	7.2
		25-year								81	4.0	860	7.2
		50-year								159	5.2	860	7.2
		100-year								286	6.5	860	7.2
LIPMC20	LIPMC20	2-year	Trapezoidal	7.5	25	291.3	906.02	904.08	0.666	251	2.5	5085	9.4
		5-year								377	2.7	5085	9.4
		10-year								453	2.8	5085	9.4
		25-year								555	2.9	5085	9.4
		50-year								634	2.9	5085	9.4
		100-year				o		0.000		738	3.0	5085	9.4
LLWL101	LLWL101	2-year	Natural	15	0	2597.6	910.43	898.29	0.467	196	2.0	220813	9.2
		5-year								294	2.1	220813	9.2
		25-vear								356	2.2	220813	9.2
		50-year								503	2.3	220013	9.2
		100-vear								585	2.4	220813	9.2
LLWMC02	LLWMC02	2-year	Natural	12	0	791.5	866.22	862.03	0.529	1244	7.8	6650	11.2
		5-year								2044	8.9	6650	11.2
		10-year								2696	9.6	6650	11.2
		25-year								3571	10.3	6650	11.2
		50-year								4047	10.7	6650	11.2
		100-year								4896	11.2	6650	11.2
LLWMC03	LLWMC03	2-year	Trapezoidal	12	25	26.8	869.31	867.40	7.125	1234	12.7	48339	108.9
		5-year								2029	13.2	48339	108.9
		10-year								2676	14.2	48339	108.9
		∠o-year								3548	15.4	48339	108.9
		100-year								4019	10.0	40339	108.9
LLWMC04	LLWMC04	2-vear	Natural	16	n	1641 2	874 60	868 75	0.356	123/	5.9	2221/	10.9
LETTWOOT	LEUMOOT	5-year		10	0	1071.2	01 7.00	000.10	0.000	2029	5.8	22314	10.2
		10-year								2677	6.3	22314	10.2
		25-year								3548	6.5	22314	10.2
		50-year								4020	6.5	22314	10.2
		100-year								4863	6.7	22314	10.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-veor	Natural	14		2061 7	870 10	874 60	0.110	1000	(193)	0169	(יקי) ס כ
		5-vear	natulai	14	0	2901.7	010.13	074.00	0.119	2022	3.0 4.3	9168	3.9
		10-year								2672	4.8	9168	3.9
		25-year								3541	4.8	9168	3.9
		50-year								4009	4.8	9168	3.9
		100-year								4836	4.8	9168	3.9
LLWMC06	LWMC06A	2-year	User Defined	0	0	26.0	878.42	878.13	0.695	1231	6.4	0	11.8
		5-year								2024	6.9	0	11.8
		10-year								2681	7.6	0	11.8
		25-year								3614	7.9	0	11.8
		50-year								4081	8.2	0	11.8
		2-vear	Trapazoidal	1	30	/1 7	895 10	805.06	0 100	4001	0.7	0/	3.1
LEVINCOO	LVVIVICOOB	2-year 5-year	Паредоциа			41.7	895.10	895.00	0.100	0	0.0	94	3.1
		10-vear								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LLWMC07	LLWMC07	2-year	Natural	15.2	0	706.1	879.11	878.42	0.098	1228	4.4	6225	3.3
		5-year								2019	4.7	6225	3.3
		10-year								2677	5.0	6225	3.3
		25-year								3614	5.2	6225	3.3
		50-year								4086	5.3	6225	3.3
		100-year								4845	5.4	6225	3.3
LLWMC08	LWMC08A	2-year	User Defined	0	0	66.8	879.55	879.11	0.659	1228	5.5	0	13.0
		5-year								2020	7.1	0	13.0
		10-year								2677	8.2	0	13.0
		20-year								3025	9.2	0	13.0
		100-vear								4107	9.0	0	13.0
	I WMC08B	2-vear	Trapezoidal	1	30	66.8	906.00	905 93	0 100	0-19	0.0	aa	33
LETTINOUU	2000000	5-year				00.0	000.00	000.00	0.100	0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		50-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LLWMC09	LLWMC09	2-year	Natural	14	0	1607.1	884.30	879.55	0.296	1224	4.5	25013	6.7
		5-year								2022	4.5	25013	6.7
		10-year								2696	4.5	25013	6.7
		25-year								3744	4.5	25013	6.7
		50-year								4310	4.5	25013	6.7
		100-year	Natural			000 -	007.40	004.00	0.010	4957	4.5	25013	6.7
LLWMC10		∠-year	INATURA	14	0	923.7	887.16	884.30	0.310	196	3.0	41376	7.4
		10-veer								239	3.1	413/0	7.4
		25-year								∠09 400	3.1	41376	7.4
		50-year								493	3.0	41376	7.4
		100-year								607	2.7	41376	7.4
LLWMC11	LWMC11A	2-year	Rectangular	3	6	37.4	887.47	887.16	0.829	98	5.4	174	9.7
_	_	5-year	<u> </u>							120	6.7	174	9.7
		10-year								125	6.9	174	9.7
		25-year								128	7.1	174	9.7
		50-year								130	7.2	174	9.7
		100-year								131	7.3	174	9.7
LLWMC11	LWMC11B	2-year	Trapezoidal	10	30	37.4	892.00	891.96	0.100	0	0.0	3438	11.5
		5-year								57	3.0	3438	11.5
		10-year								138	4.1	3438	11.5
		25-year								228	5.3	3438	11.5
		50-year								302	6.3	3438	11.5
		100-year								402	7.4	3438	11.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	10.0	(- ,	3605.0	808 20	887 /7	0 202	202	17	15012	6.2
LEVINOTZ	LEWINOTZ	5-vear	Induitai	12.2	0	0000.0	030.23	007.47	0.200	203	1.6	45913	6.3
		10-year								354	1.6	45913	6.3
		25-year								438	1.5	45913	6.3
		50-year								511	1.5	45913	6.3
		100-year								603	1.4	45913	6.3
LLWMC13	LLWMC13	2-year	Natural	20	0	780.1	905.80	898.29	0.963	148	0.9	541338	17.4
		5-year								230	1.0	541338	17.4
		10-year								277	1.0	541338	17.4
		25-year								340	1.0	541338	17.4
		100 year								380	1.1	541338	17.4
		2-vear	Natural	12	0	2122.2	011 74	905.80	0 280	447 81	0.5	215804	8.3
LEVVIVIC 14	LLWINC 14	5-vear	Indiuidi	12	0	2122.2	911.74	905.80	0.200	123	0.5	215804	8.3
		10-vear								148	0.5	215804	8.3
		25-vear								180	0.6	215804	8.3
		50-year								204	0.6	215804	8.3
		100-year								236	0.6	215804	8.3
LNCL101	LNCL101	2-year	Natural	10	3	291.5	886.70	886.36	0.117	405	3.2	9003	5.0
		5-year								577	3.0	9003	5.0
		10-year								704	2.8	9003	5.0
		25-year								852	2.5	9003	5.0
		50-year								936	2.3	9003	5.0
		100-year								1086	2.1	9003	5.0
LNCL201	LNCL201	2-year	Natural	7	0	280.3	890.35	889.88	0.168	118	0.4	15111	5.1
		5-year								182	0.5	15111	5.1
		10-year								222	0.5	15111	5.1
		25-year								213	0.5	15111	5.1
		100-year								366	0.5	15111	5.1
LNCI 202	LNCI 202	2-vear	Natural	7	0	1537 1	901.00	890 35	0 693	94	1.7	30715	10.4
	LINOLZOZ	5-vear	Induitai	,	0	1007.1	501.00	000.00	0.000	140	1.9	30715	10.4
		10-year								169	2.0	30715	10.4
		25-year								207	2.0	30715	10.4
		50-year								235	2.1	30715	10.4
		100-year								272	2.2	30715	10.4
LNCL401	LNCL401	2-year	Natural	10	0	506.1	898.00	894.65	0.662	147	0.5	92795	11.0
		5-year								223	0.6	92795	11.0
		10-year								275	0.6	92795	11.0
		25-year								341	0.7	92795	11.0
		50-year								390	0.7	92795	11.0
		100-year	Natural	^		0000 0	040 70	000.00	0.045	453	0.7	92795	11.0
LNCL402	LNCL402	2-year	INATURAL	8	0	2662.6	919.70	898.00	0.815	64	1.4	74997	11.9
		10-veer								91	1.5	74997	11.9
		25-vear								108	1.5	74997	11.9
		50-year								153	1.5	74997	11.9
		100-year								176	1.6	74997	11.9
LNCL403	8717.1	2-year	Circular	3	0	100.0	920.34	919.70	0.640	61	14.4	50	7.0
		5-year								65	15.1	50	7.0
		10-year								67	15.4	50	7.0
		25-year								70	15.7	50	7.0
		50-year								71	16.0	50	7.0
		100-year								73	16.3	50	7.0
LNCL403	8717.2	2-year	Trapezoidal	2	30	100.0	924.00	923.90	0.100	17	2.0	294	4.9
		5-year								47	3.1	294	4.9
		10-year								65	3.5	294	4.9
		∠5-year								89	4.0	294	4.9
		100-year								107	4.3	294	4.9
		roo-year								131	4.7	294	4.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8718 1	2-vear	Circular	3	0	67.3	020 77	020 34	0.630	15	3.0	50	7.0
LINCLAST	0/10.1	5-vear	Oncular	5	0	07.0	520.11	520.04	0.000	20	3.3	50	7.0
		10-year								22	3.3	50	7.0
		25-year								23	3.5	50	7.0
		50-year								23	3.5	50	7.0
		100-year								24	3.6	50	7.0
LNCL404	8718.2	2-year	Trapezoidal	2	30	67.3	924.10	924.00	0.149	6	0.7	359	6.0
		5-year								14	0.9	359	6.0
		10-year								19	1.0	359	6.0
		25-year								24	1.1	359	6.0
		50-year								28	1.1	359	6.0
	9210.1	2 voor	Circular	2	0	102.9	022 50	020 77	0 907	33	1.3	309	6.0
LINCL405	0210.1	2-year 5-year	Circular	2	0	192.0	922.50	920.77	0.097	21	6.7	20	6.3
		10-vear								23	7.2	20	6.3
		25-vear								20	7.7	20	6.3
		50-year								25	7.8	20	6.3
		100-year								25	7.9	20	6.3
LNCL405	8210.2	2-year	Trapezoidal	1	30	192.8	926.42	924.10	1.203	0	0.0	335	11.2
		5-year								1	0.2	335	11.2
		10-year								5	0.6	335	11.2
		25-year								11	1.5	335	11.2
		50-year								15	2.2	335	11.2
		100-year								20	2.8	335	11.2
LNCL4A01	8715.1	2-year	Circular	2	0	10.5	921.46	920.34	10.707	32	10.1	40	12.8
		5-year								32	10.3	40	12.8
		10-year								33	10.4	40	12.8
		25-year								31	9.9	40	12.8
		100-year								31	9.9	40	12.0
L NCI 4401	8715.2	2-vear	Tranezoidal	2	30	10.5	924.01	924.00	0 100	32	3.0	288	4.8
ENGLAZOT	0713.2	5-vear	Trapezoidai	2		10.5	524.01	524.00	0.100	52	3.5	288	4.8
		10-year								63	3.5	288	4.8
		25-year								76	3.5	288	4.8
		50-year								87	3.6	288	4.8
		100-year								100	3.7	288	4.8
LNCL4B01	8716.1	2-year	Circular	2	0	87.0	923.75	920.34	3.921	18	6.3	24	7.7
		5-year								18	6.2	24	7.7
		10-year								18	6.0	24	7.7
		25-year								18	5.8	24	7.7
		50-year								18	5.8	24	7.7
	0740.0	100-year	T	-			005 75	00105	0.045	18	5.9	24	7.7
LNCL4B01	8/16.2	2-year	i rapezoidal	2	30	87.0	925.75	924.00	2.012	8	1.9	1319	22.0
		J-year								19	1.9	1319	22.0
		25-year								20 34	2.2	1319	22.0
		50-year								41	2.4	1319	22.0
		100-year								50	2.8	1319	22.0
LNCL4C01	LNCL4C01	2-year	Circular	2	0	43.4	921.46	920.77	1.591	-2	-0.7	26	8.4
		5-year								-3	-0.9	26	8.4
		10-year								3	1.0	26	8.4
		25-year								-3	-0.8	26	8.4
		50-year								-2	-0.8	26	8.4
		100-year								3	0.9	26	8.4
LNCL4D01	8412.1	2-year	Circular	2	0	42.3	922.56	922.50	0.142	16	6.0	8	2.5
		5-year								21	6.6	8	2.5
		10-year								22	7.0	8	2.5
		25-year								25	7.8	8	2.5
		50-year								25	7.8	8	2.5
		roo-year								25	7.9	8	2.5

LNCLAD01 B412. Pymar Tranz.odu 1 NO VI-70 VI-70 VI-70 NO NO <	Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
Linex.cov Oracle Syme Line cov Line Log Log <thlog< th=""> Log Log</thlog<>		8/12.2	2-1001	Tranazoidal	4	20	10.0	026 56	026 42	0 224	(0.0	176	50
b b		0412.2	2-year	паредоюан	1	30	42.3	920.00	920.4Z	0.331	0 6	0.0	176	5.9
b b			10-vear								10	2.0	176	5.9
Sp.yevr Image <			25-vear								15	2.3	176	5.9
Incl.sco low, war Num No. <			50-year								19	2.5	176	5.9
LNCL500 LNCL500 Zyard Natural 10 10 100 998.71 20.75 23.8 44.8 45.4 95.6 10-yeart 10-yeart 10 114 32 8476 96. LNCL501 2yeart Netural 0 0 2254.7 92.00 906.12 0.671 114 42 8476 96. LNCL501 2yeart 10 <			100-year								23	2.8	176	5.9
byar image byar image byar image byar	LNCL500	LNCL500	2-year	Natural	8	0	1000.0	906.12	899.37	0.675	235	4.4	84746	9.6
Image Image <th< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>468</td><td>4.5</td><td>84746</td><td>9.6</td></th<>			5-year								468	4.5	84746	9.6
Image: style Style <tt>Style</tt> Style			10-year								597	3.8	84746	9.6
image <th< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>794</td><td>3.4</td><td>84746</td><td>9.6</td></th<>			25-year								794	3.4	84746	9.6
Inclasion Inclasion Sevent Name Nam Nam Name			50-year								950	3.3	84746	9.6
LNCL501 LNCL501 2year Naval 6 0 235.47 92.00 90.712 0.674 13 3.9 94.708 99.8 I 10year I			100-year								1144	3.2	84746	9.6
image image <th< td=""><td>LNCL501</td><td>LNCL501</td><td>2-year</td><td>Natural</td><td>8</td><td>0</td><td>2354.7</td><td>922.00</td><td>906.12</td><td>0.674</td><td>153</td><td>3.9</td><td>84708</td><td>9.6</td></th<>	LNCL501	LNCL501	2-year	Natural	8	0	2354.7	922.00	906.12	0.674	153	3.9	84708	9.6
Interpret Interpret <t< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>347</td><td>4.0</td><td>84708</td><td>9.6</td></t<>			5-year								347	4.0	84708	9.6
Image: Sever base in the			10-year								464	4.0	84708	9.6
Boyger Boyger<			25-year								607	4.0	84708	9.6
INCL502 Veral Rectangular 4 6 29.7 924.00 6.739 95 10.8 747 31.1 INCL502 Syear IO IO IO IO IO 20.0 6.739 95 10.8 747 31.1 INCL502 Syear IO IO IO IO 20.0 10.73 15.2 747 31.1 INCL502 NCL5028 Syear IO IO IO 42.0 27.4 747 31.1 INCL502 NCL5028 Syear INC INC Syear IO IO 00 0.00 226 4.9 INCL502 NCL5028 Syear IN IN IN IO IN IO IO IO IN IO IN IO IN IO IN			50-year								733	3.9	84708	9.6
LNCL502 NCL502/L 2-year Rectangular 4 6 23.7 924.00 92.20 6.7.3 95 10.8 747 31.1 Image: Syear Image: Syear Image: Syear Image: Syear Image: Syear 1.7.4 13.1 Image: Syear Image: Syear Image: Syear Image: Syear 1.7.4 31.1 Image: Syear Image: Syear Image: Syear Image: Syear 1.8.4 7.4.7 31.1 Image: Syear Image: Syear Image: Syear Image: Syear 1.0.0 0.0 0.00 2.96 4.9. Image: Syear			100-year								893	3.6	84708	9.6
image image <th< td=""><td>LNCL502</td><td>NCL502A</td><td>2-year</td><td>Rectangular</td><td>4</td><td>6</td><td>29.7</td><td>924.00</td><td>922.00</td><td>6.739</td><td>95</td><td>10.8</td><td>747</td><td>31.1</td></th<>	LNCL502	NCL502A	2-year	Rectangular	4	6	29.7	924.00	922.00	6.739	95	10.8	747	31.1
Invyear Image <			5-year								174	16.1	747	31.1
Low Boynear Low Boynear <thlow boynear<="" th=""> <thlow boynear<="" th=""></thlow></thlow>			10-year								220	18.5	747	31.1
boyear boyear<			25-year								291	22.0	747	31.1
LNCL502 NCL502 Year Trapezoidal 2 30 931.97 0.100 0 0.00 296 4.9 LNCL502 Syear 10-year 2 30 931.97 0.100 0 0.00 226 4.9 10-year 10-year 1 1 1 1 0 0 0.00 296 4.9 10-year 1 1 1 1 1 0 0 0.00 296 4.9 10-year 1 1 1 1 1 0 0.00 296 4.9 10-year 1 1 0 2.00 297.9 961.73 294.00 1.267 87 1.9 982.4 11.9 10-year 1 1 1 1 1 1 9 1 1 9 2.4 982.4 11.9 10-year 1 1 1 1 1 1 1 1 </td <td></td> <td></td> <td>50-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>346</td> <td>24.4</td> <td>747</td> <td>31.1</td>			50-year								346	24.4	747	31.1
LINCLS02 2-year Implexional 2 30 20.0 93.37 0.100 0.00 2.90 4.90 Implexional 10-year Implexional Implexiona Implexional Implexional			100-year	Transsidal		20	20.7	022.00	024.07	0.400	420	27.4	747	31.1
Image: Constraint of the symmetry of th	LINCLOUZ	NCL502B	Z-year	Trapezoidai	2	30	29.7	932.00	931.97	0.100	0	0.0	290	4.9
Inc. Inc. Seyment Inc. Sey			10-year								0	0.0	290	4.9
Loc box Loc box <t< td=""><td></td><td></td><td>25-vear</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0.0</td><td>290</td><td>4.5</td></t<>			25-vear								0	0.0	290	4.5
LNCL503 LNCL503 2-year Natural 5 0 2978.9 961.73 924.00 1.267 87 1.19 982.4 11.9 ILNCL503 LNCL503 2-year Natural 5 0 2978.9 961.73 924.00 1.267 87 1.19 982.4 11.9 ILNCL503 Syear I I I I III.9 163 2.3 982.4 11.9 ILNCL503 Syear I III.9 III.9 2.5 982.4 11.9 ILNCMC02 LNCMC02 2-year Natural 20 0 3667.0 877.70 87.40 0.101 1145 2.3 17110 5.1 ILNCMC02 LNCMC02 2-year Natural 20 0 3667.0 877.70 87.40 0.101 1145 2.3 17110 5.1 ILNCMC02 LNCMC03 2-year Natural 14 0 2463.1 87.70 87.40 3.31 </td <td></td> <td></td> <td>50-vear</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0.0</td> <td>296</td> <td>4.5</td>			50-vear								0	0.0	296	4.5
LNCL503 LNCL503 2-year Natural 5 0 2978.9 961.73 924.00 1.267 87 1.9 9824 11.9 10-year 10-year 10-year 10-year 10-year 24 9824 11.9 25-year 25-year 10-year 10-year 24 9824 11.9 10-year 10-year 10-year 10-year 24 9824 11.9 10-year 10-year 10-year 10-year 26 9824 11.9 LNCMC02 2-year Natural 20 0 3667.0 877.70 87.00 0.101 1145 2.3 17110 5.1 LNCMC02 2-year Natural 20 0 3667.0 877.70 87.00 0.101 1145 2.3 17110 5.1 LNCMC03 LNCMC03 2-year 10-year 2 1710 5.1 LNCMC03 LNCMC03 2-year Natural 14 0 <td></td> <td></td> <td>100-vear</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0.0</td> <td>296</td> <td>4.9</td>			100-vear								0	0.0	296	4.9
Inclusion Fyear Image	LNCI 503	LNCI 503	2-vear	Natural	5	0	2978 9	961 73	924 00	1 267	87	1.9	9824	11.9
Interpret Interpret <t< td=""><td>2.102000</td><td>2.102000</td><td>5-vear</td><td>- tatara</td><td></td><td></td><td>201010</td><td></td><td>02.000</td><td></td><td>163</td><td>2.3</td><td>9824</td><td>11.9</td></t<>	2.102000	2.102000	5-vear	- tatara			201010		02.000		163	2.3	9824	11.9
1 25'year 1 1 1 1 281 2.5 9824 11.9 100-year 100-year 1			10-year								212	2.4	9824	11.9
50-year 50-year <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>281</td><td>2.5</td><td>9824</td><td>11.9</td></t<>			25-year								281	2.5	9824	11.9
Incm100-yearNatural20003667.0877.00874.000.10111452.36982411.9LNCMC022-yearNatural2003667.0877.70874.000.10111452.33171105.110-year10-year10.010.010.010.010.010.010.010.010.010.010.010.010-year10.010.010.010.010.010.010.010.010.010.010.010.010.010-year10.0 <td< td=""><td></td><td></td><td>50-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>335</td><td>2.5</td><td>9824</td><td>11.9</td></td<>			50-year								335	2.5	9824	11.9
LNCMC02 Lycar Natural 20 0 3667.0 877.0 874.00 0.101 1145 2.3 17110 5.1 Image: Ima			100-year								407	2.6	9824	11.9
Image: series of the series	LNCMC02	LNCMC02	2-year	Natural	20	0	3667.0	877.70	874.00	0.101	1145	2.3	17110	5.1
IndependentIndependen			5-year								1881	2.5	17110	5.1
125-year111129012.9171105.1150-year100-year111115.2115.115.115.115.115.115.115.115.115.115.115.115.115.115.115.1115.1115.11115.11			10-year								2160	2.6	17110	5.1
image: bolow bold bold bold bold bold bold bold bold			25-year								2901	2.9	17110	5.1
Income Income<			50-year								3564	3.1	17110	5.1
LNCMC03 LNCMC03 2-year Natural 14 0 2463.1 882.76 877.70 0.205 1135 3.4 15321 5.2 Image: Syear 10-year Image: Syear Image: Sy			100-year								4280	3.2	17110	5.1
i 5-year i <td>LNCMC03</td> <td>LNCMC03</td> <td>2-year</td> <td>Natural</td> <td>14</td> <td>0</td> <td>2463.1</td> <td>882.76</td> <td>877.70</td> <td>0.205</td> <td>1135</td> <td>3.4</td> <td>15321</td> <td>5.2</td>	LNCMC03	LNCMC03	2-year	Natural	14	0	2463.1	882.76	877.70	0.205	1135	3.4	15321	5.2
10-year $10-year$ <td></td> <td></td> <td>5-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1865</td> <td>3.6</td> <td>15321</td> <td>5.2</td>			5-year								1865	3.6	15321	5.2
25-year 25-year 4.0 15321 5.2 100-year 100-year 100-year 100-year 100-year 100-year 100-year 100-year 15321 5.2 LNCMC04 NCMC04A 2-year User Defined 0 0 64.1 882.89 882.76 0.205 1137 1.9 0 6.6 LNCMC04 NCMC04A 2-year User Defined 0 0 64.1 882.89 882.76 0.205 1137 1.9 0 6.6 100-year Image: Defined 0 0 64.1 882.89 882.76 0.205 1137 1.9 0 6.6 100-year Image: Defined			10-year								2118	3.8	15321	5.2
50-year 60-year 60-year <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2837</td><td>4.0</td><td>15321</td><td>5.2</td></t<>			25-year								2837	4.0	15321	5.2
Independent			50-year								3540	4.1	15321	5.2
LINCIMCU4A 2-year User Derined 0 64.1 882.89 882.76 0.205 1137 1.9 0 6.6 Image: Syear 5-year Image: Syear		NONOCIA	100-year	Hear D. C.	-		<u></u>	000.00	000 70	0.005	4329	4.0	15321	5.2
Image: S-year Image: S	LINCI/IC04	INCIVICU4A	∠-year	User Defined	0	0	64.1	882.89	882.76	0.205	1137	1.9	0	6.6
Indigen Indididididididididididididididididididi			10-year					1			2100	2.0	0	0.0
LNCMC04 NCMC04B 2-year Trapezoidal 1 30 64.1 906.00 905.94 0.0 6.6 LNCMC04 NCMC04B 2-year Trapezoidal 1 30 64.1 906.00 905.94 0.100 0 0.0 933 3.1 LNCMC04 S-year Trapezoidal 1 30 64.1 906.00 905.94 0.100 0 0.0 933 3.1 LNCMC04 S-year Trapezoidal 1 30 64.1 906.00 905.94 0.100 0 0.0 933 3.1 10-year I I S-year I I S-year I <			25-veer								2123	3.0	0	0.0
Interpretation Interpr			50-year								2010	3.4 २.६	0	0.0
LNCMC04 NCMC04B 2-year Trapezoidal 1 30 64.1 906.00 905.94 0.00 0.0 93 3.1 5-year 0 0.00 93 3.1 10-year 10-year 0 0.00 93 3.1 25-year 0 0.00 93 3.1 10-year 0 0.00 93 3.1 10-year 0 0.0 93 3.1 100-year 0 0.0 93 3.1			100-vear								4358	3.8	0	6.6
Line of the second of the s	I NCMC04	NCMC04B	2-vear	Trapezoidal	1	30	64 1	906.00	905 a/	0 100	-5550 A	0.0	03 0	3.1
Interview Inter	21101004	1101010040	5-year	Tupozolual	'		J 4 .1	550.00	555.54	0.100	0	0.0	93	3.1
25-year 0 0.0 93 3.1 50-year 0 0.0 93 3.1 100-year 0 0.0 93 3.1			10-vear								0 0	0.0	93	3.1
50-year 0 0.0 93 3.1 100-year 0 0.0 93 3.1			25-year								0	0.0	93	3.1
100-year 0 0.0 93 3.1			50-year								0	0.0	93	3.1
			100-year								0	0.0	93	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	11 20	<u>, , , , ,</u> о	1600 7	886.36	882.80	0.205	1105	30	10265	65
	LIVONICOS	5-vear	Induitai	11.00	0	1050.7	000.00	002.05	0.200	1819	3.4	19365	6.5
		10-year								2059	3.4	19365	6.5
		25-year								2835	3.4	19365	6.5
		50-year								3622	3.4	19365	6.5
		100-year								4322	3.4	19365	6.5
LNCMC06	LNCMC06	2-year	Natural	12	0	1715.8	889.88	886.36	0.205	1035	2.5	38410	7.7
		5-year								1643	2.5	38410	7.7
		10-year								1847	2.6	38410	7.7
		25-year								2460	2.7	38410	1.1
		100-year								3616	2.7	38410	7.7
I NCMC07	I NCMC07	2-vear	Natural	8	0	3334.2	894 60	889 88	0 141	1206	2.1	18664	4.6
Litomoor	Enternoor	5-vear	i tatarai	0		0001.2	001.00	000.00	0.111	1721	2.1	18664	4.6
		10-year								1916	2.1	18664	4.6
		25-year								2485	2.1	18664	4.6
		50-year								2997	2.1	18664	4.6
		100-year								3589	2.1	18664	4.6
LNCMC08	NCMC08A	2-year	Rectangular	7	6	38.3	894.65	894.60	0.141	507	21.5	230	5.5
		5-year								822	29.9	230	5.5
		10-year								978	31.0	230	5.5
		25-year								1182	34.8	230	5.5
		50-year								1350	36.1	230	5.5
		2-vear	Tranezoidal	4	30	38.3	900.00	800.06	0 100	1344	39.1	230	7.2
LINCIVICOO	INCIVICOOB	2-year 5-year	Паредониа	4	30	30.3	900.00	099.90	0.100	0	0.0	864	7.2
		10-vear								52	3.5	864	7.2
		25-year								207	5.8	864	7.2
		50-year								405	7.4	864	7.2
		100-year								624	8.6	864	7.2
LNCMC09	LNCMC09	2-year	Natural	12	0	1908.5	897.35	894.65	0.141	883	4.0	43753	5.1
		5-year								1533	4.0	43753	5.1
		10-year								2000	3.8	43753	5.1
		25-year								2628	3.8	43753	5.1
		50-year								3201	3.8	43753	5.1
		2 voor	Notural	10	0	1029.0	900.27	907.25	0.106	025	3.0	43/33	5.1
LINCINIC TO	LINCINCTO	5-vear	Indiuidi	10	0	1020.9	099.37	097.33	0.190	1558	2.1	22317	5.0
		10-vear								1944	2.2	22377	5.0
		25-year								2458	2.4	22377	5.0
		50-year								2950	2.6	22377	5.0
		100-year								3552	2.8	22377	5.0
LNCMC11	LNCMC11	2-year	Natural	8	0	673.5	900.82	899.37	0.215	913	3.5	16172	4.5
		5-year								1419	3.5	16172	4.5
		10-year								1711	3.5	16172	4.5
		25-year								2144	3.5	16172	4.5
		50-year								2489	3.5	16172	4.5
		2-vear	Natural	0		12/2 0	003 10	000 00	0.214	2952	3.5 2 E	20652	4.5 5 0
		2-year	natulal	9	0	1243.9	3 U3.48	900.8Z	0.214	003 1318	2.5	30652	ວ.ຽ 5 ຊ
		10-vear								1581	2.5	30652	5.8
		25-year								1962	2.5	30652	5.8
		50-year								2274	2.5	30652	5.8
		100-year								2697	2.5	30652	5.8
LNCMC13	LNCMC13	2-year	Natural	6.5	0	1216.5	906.50	903.48	0.248	841	3.2	13921	4.7
		5-year								1287	3.2	13921	4.7
		10-year								1474	3.2	13921	4.7
		25-year								1812	3.2	13921	4.7
		50-year								2106	3.2	13921	4.7
		100-year								2507	3.2	13921	4.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LNCMC14	LNCMC14	2-vear	Natural	17	0	1011.6	873.03	868.00	0.586	1158	95	9627	14.9
LITOMOTI	LITOMOTT	5-vear	i tatarai			1011.0	010.00	000.00	0.000	1899	10.7	9627	14.9
		10-year								2188	11.0	9627	14.9
		25-year								2933	11.8	9627	14.9
		50-year								3588	12.4	9627	14.9
		100-year								4302	12.9	9627	14.9
LNCMC15	NCMC15A	2-year	Circular	3	0	70.4	874.00	873.93	0.099	123	17.2	11	1.6
		5-year								123	17.2	11	1.6
		10-year								123	17.2	11	1.6
		25-year								123	17.2	11	1.6
		100-year								123	17.2	11	1.0
LNCMC15	NCMC15B	2-vear	Trapezoidal	6	50	70.4	886.00	885 93	0 100	914	7.9	3297	9.8
LITOMOTO	Tromo tob	5-vear	Trapozoidar			70.1	000.00	000.00	0.100	1650	9.7	3297	9.8
		10-year								1933	10.2	3297	9.8
		25-year								2669	11.2	3297	9.8
		50-year								3318	12.0	3297	9.8
		100-year								4019	12.7	3297	9.8
LPOL102	LPOL102	2-year	Natural	5	0	1464.0	919.01	899.87	1.307	43	0.8	8565	11.3
		5-year								63	0.9	8565	11.3
		10-year								74	0.9	8565	11.3
		25-year								101	0.9	8565	11.3
		100-year								116	0.9	8565	11.3
L POI 103	8193.1	2-vear	Circular	25	0	50.2	920.49	919.01	2 950	21	13.4	65	13.3
	0195.1	5-vear	Circular	2.0	0	50.2	320.43	313.01	2.330	30	15.4	65	13.3
		10-year								34	15.9	65	13.3
		25-year								42	16.9	65	13.3
		50-year								48	17.6	65	13.3
		100-year								55	18.3	65	13.3
LPOL103	8193.2	2-year	Trapezoidal	1	30	50.2	925.32	924.09	2.452	0	0.0	478	15.9
		5-year								0	0.0	478	15.9
		10-year								0	0.0	478	15.9
		25-year								0	0.0	478	15.9
		50-year								0	0.0	478	15.9
	810/ 1	2-vear	Circular	2.5	0	38.8	021 02	920.49	3 684	21	10.5	470	14.9
LFOL104	0194.1	5-vear	Circular	2.5	0	30.0	921.92	920.49	3.004	30	11.5	73	14.9
		10-vear								34	11.0	73	14.9
		25-year								42	13.0	73	14.9
		50-year								48	13.4	73	14.9
		100-year								55	13.5	73	14.9
LPOL104	8194.2	2-year	Trapezoidal	1	30	38.8	926.00	925.32	1.752	0	0.0	404	13.5
		5-year								0	0.0	404	13.5
		10-year								0	0.0	404	13.5
		25-year								0	0.0	404	13.5
		50-year								0	0.0	404	13.5
	8105 1	2-vear	Circular	0 F	0	224 0	007 20	021 02	1 657	0	0.0	404	10.0
	0190.1	∠-year 5-vear	Girculai	2.0	0	324.8	321.30	321.92	1.007	<u>∠1</u> 30	9.8 10 R	49 40	10.0
		10-year								34	11.1	49	10.0
		25-year								42	11.6	49	10.0
		50-year								48	11.8	49	10.0
		100-year								54	12.3	49	10.0
LPOL105	8195.2	2-year	Trapezoidal	1	30	324.8	931.05	926.00	1.555	0	0.0	380	12.7
		5-year								0	0.0	380	12.7
		10-year								0	0.0	380	12.7
		25-year								0	0.0	380	12.7
		50-year								0	0.0	380	12.7
		100-year								2	1.6	380	12.7
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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	8196.1	2-vear	Circular	25	0	32.2	028.38	027 30	3 350	10	63	70	14.2
	0100.1	5-vear	Oncular	2.0	0	52.2	520.00	521.50	0.000	15	7.6	70	14.2
		10-year								16	8.3	70	14.2
		25-year								20	8.3	70	14.2
		50-year								24	8.3	70	14.2
		100-year								30	8.3	70	14.2
LPOL106	8196.2	2-year	Trapezoidal	1	30	32.2	931.55	931.05	1.555	0	0.0	380	12.7
		5-year								0	0.0	380	12.7
		10-year								0	0.0	380	12.7
		50-vear								0	0.0	380	12.7
		100-year								0	0.0	380	12.7
LPOL107	8197.1	2-year	Circular	2	0	188.4	930.49	928.38	1.120	10	7.3	22	7.1
		5-year								15	8.2	22	7.1
		10-year								16	8.4	22	7.1
		25-year								20	8.8	22	7.1
		50-year								23	9.0	22	7.1
		100-year								24	9.0	22	7.1
LPOL107	8197.2	2-year	Trapezoidal	1	30	188.4	932.28	931.55	0.387	0	0.0	190	6.3
		5-year								0	0.0	190	6.3
		25-vear								0	0.0	190	6.3
		50-vear								0	0.0	190	6.3
		100-year								10	2.0	190	6.3
LPOL108	8397.1	2-year	Circular	2	0	290.8	931.07	930.49	0.199	10	4.3	9	3.0
		5-year								15	5.2	9	3.0
		10-year								15	5.4	9	3.0
		25-year								16	5.5	9	3.0
		50-year								16	5.5	9	3.0
	0007.0	100-year	-				000 57		0.400	16	5.5	g	3.0
LPOL108	8397.2	2-year	Trapezoidal	1	30	290.8	933.57	933.28	0.100	0	0.0	96	3.2
		10-vear								1	0.0	90	3.2
		25-vear								4	1.0	96	3.2
		50-year								7	1.3	96	3.2
		100-year								12	1.6	96	3.2
LPOL109	8396.1	2-year	Circular	2	0	63.0	931.69	931.07	0.985	10	4.4	21	6.6
		5-year								15	4.5	21	6.6
		10-year								17	5.4	21	6.6
		25-year								21	6.7	21	6.6
		50-year								23	7.3	21	6.6
	8396.2	2-vear	Tranezoidal	1	30	63.0	934 52	933 57	1 509	∠3 ∩	7.5 0.0	21	12.5
	0030.2	5-vear	mapezolual			03.0	JJ4.JZ	555.57	1.509	0	0.0	375	12.5
		10-year								0	0.0	375	12.5
		25-year								0	0.0	375	12.5
		50-year								1	0.3	375	12.5
		100-year								5	0.9	375	12.5
LPOL110	8402.1	2-year	Circular	2	0	26.5	932.35	931.69	2.491	10	7.2	33	10.6
		5-year								15	7.2	33	10.6
		10-year								17	7.3	33	10.6
		∠5-year								20	7.3	33	10.6
		100-vear								21	7.3	33	10.6
LPOL110	8402.2	2-year	Trapezoidal	1	30	26.5	934 55	934.52	0.100	0	0.0	10.3	3.4
		5-year							500	0	0.0	103	3.4
		10-year								0	0.0	103	3.4
		25-year								2	0.8	103	3.4
		50-year								8	1.6	103	3.4
		100-year								11	1.9	103	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8019 1	2-vear	Special	25	25	127.5	906.08	906.00	0.063	0	-0.1	5	17
	0013.1	5-vear	opeciai	2.0	2.5	127.0	500.00	300.00	0.000	0	-0.1	5	1.7
		10-year								0	-0.1	5	1.7
		25-year								0	-0.1	5	1.7
		50-year								0	-0.1	5	1.7
		100-year								0	-0.1	5	1.7
LPOL201	8019.2	2-year	Trapezoidal	1	30	127.5	909.50	909.37	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		50-vear								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LPOL301	8517.1	2-year	Circular	1.25	0	139.3	913.80	911.46	1.680	8	8.1	8	6.3
		5-year								8	7.9	8	6.3
		10-year								8	7.9	8	6.3
		25-year								8	7.9	8	6.3
		50-year								8	7.9	8	6.3
		100-year								8	7.9	8	6.3
LPOL301	8517.2	2-year	Trapezoidal	2	30	139.3	917.05	917.00	0.036	57	3.1	176	2.9
		5-year								83	3.0	176	2.9
		25-vear								117	4.2	176	2.5
		50-vear								132	4.4	176	2.9
		100-year								151	4.7	176	2.9
LPOL302	8516.1	2-year	Circular	1.25	0	181.6	914.77	913.80	0.534	4	3.8	4	3.6
		5-year								5	4.1	4	3.6
		10-year								5	4.2	4	3.6
		25-year								5	4.3	4	3.6
		50-year								5	4.3	4	3.6
	0510.0	100-year	-			404.0	040 77	047.05	0.047	5	4.7	4	3.6
LPOL302	8516.2	2-year	Trapezoidal	1	30	181.6	918.77	917.05	0.947	0	0.0	297	9.9
		10-vear								0	0.0	297	9.9
		25-vear								0	0.0	297	9.9
		50-year								0	0.0	297	9.9
		100-year								0	0.0	297	9.9
LPOL303	LPOL303	2-year	Natural	4	0	1275.8	931.00	914.77	1.272	23	1.0	4715	10.5
		5-year								33	1.0	4715	10.5
		10-year								39	1.1	4715	10.5
		25-year								47	1.1	4715	10.5
		50-year								53	1.1	4715	10.5
1 POI 304	8515.1	2-vear	Circular	2	0	61.6	Q31 <i>4</i> 1	931.00	<u>aaa 0</u>	24	1.2	47 10	10.0
	0010.1	5-vear	Sirodiai	2	0	01.0	551.41	551.00	0.000	24 28	15.2	17	5.5
		10-year								29	15.5	17	5.5
		25-year								30	15.8	17	5.5
		50-year								31	16.0	17	5.5
		100-year								32	16.3	17	5.5
LPOL304	8515.2	2-year	Trapezoidal	1	30	61.6	936.24	936.18	0.100	0	0.0	95	3.2
		5-year								5	1.3	95	3.2
		10-year								10	1.7	95	3.2
		∠5-year								17	2.1	95	3.2
		100-year								23 30	2.4	95 95	3.2
LPOL305	8214.1	2-year	Circular	2	n	61 2	934 27	931.41	4.672	24	<u>9</u> N	45	14.5
		5-year				02				34	10.7	45	14.5
		10-year								40	12.5	45	14.5
		25-year								42	13.3	45	14.5
		50-year								42	13.3	45	14.5
		100-year								42	13.3	45	14.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8214.2	2-100	Tranazoidal	4	20	61.0	039.04	036.24	A A14	(6/1	21.4
	02 14.2	5-vear	Tapezolual			01.2	550.94	330.24	4.411	0	0.0	641	21.4
		10-year								0	0.0	641	21.4
		25-year								5	1.0	641	21.4
		50-year								11	1.8	641	21.4
		100-year								19	2.5	641	21.4
LPOL306	8413.1	2-year	Circular	2	0	26.7	939.07	934.27	17.957	24	18.3	89	28.3
		5-year								36	17.9	89	28.3
		10-year								40	18.0	89	28.3
		25-year								48	18.1	89	28.3
		100-year								59	22.0	89	28.3
LPOL306	8413.2	2-vear	Trapezoidal	1	30	26.7	941.07	938.94	7,969	0	0.0	861	28.7
2. 02000	011012	5-year	riapozoidai				0.1101	000101		0	0.0	861	28.7
		10-year								0	0.0	861	28.7
		25-year								0	0.0	861	28.7
		50-year								0	0.0	861	28.7
		100-year								3	1.3	861	28.7
LPOL401	POL401A	2-year	Circular	3	0	210.7	927.31	921.14	2.929	13	10.3	106	15.0
		5-year								20	11.8	106	15.0
		10-year								25	12.5	106	15.0
		25-year								31	13.3	106	15.0
		100-year								42	13.9	106	15.0
I POI 401	POI 401B	2-vear	Trapezoidal	1	30	210 7	934 00	933 79	0 100		0.0	96	3.2
	TOLIOID	5-vear	Trapezoidai			210.7	334.00	555.75	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LPOL402	LPOL402	2-year	Trapezoidal	2.69	100	10.0	927.31	927.31	0.000	32	0.5	2361	0.0
		5-year								47	0.6	2361	0.0
		10-year								55	0.6	2361	0.0
		25-year								66	0.7	2361	0.0
		100-year								75 86	0.7	2361	0.0
I POI 403	8215 1	2-vear	Circular	2	0	52.2	930 70	927 31	6 498	33	18.7	54	17.0
	0210.1	5-vear	onoului			02.2	000.70	027.01	0.100	47	20.2	54	17.0
		10-year								55	22.1	54	17.0
		25-year								66	24.3	54	17.0
		50-year								70	24.6	54	17.0
		100-year								73	24.8	54	17.0
LPOL403	8215.2	2-year	Trapezoidal	1	30	52.2	935.12	934.53	1.131	0	0.0	324	10.8
		5-year								0	0.0	324	10.8
		10-year								0	0.0	324	10.8
		25-year								4	1.9	324	10.8
		50-year								10	2.7	324	10.8
	8642 1	2-vear	Circular	2	0	∆1 G	932 17	930 70	2 527	10	3.3 1 <i>1 /</i>	324	10.0
	0072.1	5-year	Circular	2	0	41.0	552.17	555.70	5.557	47	15.5	40	12.0
		10-year								55	17.3	40	12.6
		25-year								57	18.2	40	12.6
		50-year								59	18.6	40	12.6
		100-year								61	18.9	40	12.6
LPOL404	8642.2	2-year	Trapezoidal	1	30	41.6	936.42	935.12	3.128	0	0.0	539	18.0
		5-year								0	0.0	539	18.0
		10-year								5	2.8	539	18.0
		25-year								27	5.6	539	18.0
		50-year								36	6.2	539	18.0
	l	roo-year								48	0.9	539	10.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9642.4	2	Circulor	()	()	20.9	022.45	022.47	2 201	(0.0)	(-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(0.0)	(
LPOL405	0043.1	z-year	Circular	۷	0	29.0	933.15	932.17	3.291	33	14.6	30	12.1
		10-vear								52	16.5	38	12.1
		25-vear								54	17.0	38	12.1
		50-year								55	17.4	38	12.1
		100-year								55	17.4	38	12.1
LPOL405	8643.2	2-year	Trapezoidal	1	30	29.8	937.15	936.42	2.451	0	0.0	478	15.9
		5-year								0	0.0	478	15.9
		10-year								20	4.6	478	15.9
		25-year								33	5.6	478	15.9
		50-year								41	6.1	478	15.9
		100-year								52	6.7	478	15.9
LPOL406	LPOL406	2-year	Trapezoidal	2.69	100	10.0	927.31	927.31	0.000	13	0.1	2361	0.0
		5-year								21	0.2	2361	0.0
		10-year								25	0.2	2361	0.0
		25-year								31	0.2	2361	0.0
		50-year								37	0.2	2361	0.0
		2-vear	Tranozoidal		10	EC 4	025 70	025 20	0 007	42	0.3	2301	0.0
LI OLGOI	EI OLSOI	5-vear	Паредонал		10	50.4	323.70	323.20	0.007		4.2	497	8.9
		10-vear								78	4.5	497	8.9
		25-year								95	5.0	497	8.9
		50-year								108	5.3	497	8.9
		100-year								124	5.6	497	8.9
LPOL502	8647.1	2-year	Circular	2	0	98.7	926.08	925.70	0.385	30	12.3	13	4.1
		5-year								34	12.5	13	4.1
		10-year								35	12.5	13	4.1
		25-year								36	12.5	13	4.1
		50-year								37	12.5	13	4.1
		100-year								37	12.5	13	4.1
LPOL502	8647.2	2-year	Trapezoidal	1	30	98.7	930.00	928.20	1.824	15	3.7	412	13.7
		5-year								32	5.1	412	13.7
		10-year								43	5.7	412	13.7
		50-vear								70	6.9	412	13.7
		100-vear								87	7.5	412	13.7
LPOL503	8648.1	2-vear	Circular	2	0	59.7	927.97	926.08	3.164	2	0.9	37	11.9
		5-year								2	0.7	37	11.9
		10-year								2	0.7	37	11.9
		25-year								1	-0.7	37	11.9
		50-year								-2	-0.8	37	11.9
		100-year								-2	-0.8	37	11.9
LPOL503	8648.2	2-year	Trapezoidal	1	30	59.7	931.80	930.00	3.014	0	0.0	530	17.7
		5-year								0	0.0	530	17.7
		10-year								0	0.0	530	17.7
		25-year								0	0.0	530	17.7
		50-year								0	0.0	530	17.7
	96444	100-year	Circuler	4.05		00 5	020 75	020.00	0.005	0	0.0	530	17.7
	0044.1	2-year	Gircular	1.25	0	83.5	930.75	930.22	0.035	0	-0.3	5	3.9
		10-vear								-2	-1 2	5	3.9
		25-vear								-1	-1 1	5	3.9
		50-year								1	1.0	5	3.9
		100-year								-2	-1.3	5	3.9
LPOL601	8644.2	2-year	Trapezoidal	1	30	83.5	935.08	933.22	2.228	0	0.0	455	15.2
		5-year								0	0.0	455	15.2
		10-year								0	0.0	455	15.2
		25-year								0	0.0	455	15.2
		50-year								0	0.0	455	15.2
		100-year								0	0.0	455	15.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	(()	217.7	000 20	007.02	0.592	260	(2602	(
El ONICOT	EI OMOUT	5-year	Inatural		0	217.7	000.00	007.03	0.303	391	2.4	3692	7.1
		10-year								480	2.8	3692	7.1
		25-year								535	2.9	3692	7.1
		50-year								626	2.9	3692	7.1
		100-year								773	2.9	3692	7.1
LPOMC02	LPOMC02	2-year	Natural	10	0	2903.3	899.87	888.30	0.399	212	2.5	37344	8.7
		5-year								341	2.6	37344	8.7
		10-year								456	2.6	37344	8.7
		25-year								593	2.6	37344	8.7
		100-year								822	2.0	37344	8.7
L POMC03	L POMC03	2-vear	Natural	10	0	463.2	902.40	899 87	0 546	224	5.8	23064	9.2
		5-year	Inatural	10	0	403.2	302.40	033.07	0.540	341	5.9	23064	9.2
		10-vear								435	5.9	23064	9.2
		25-year								551	5.8	23064	9.2
		50-year								635	5.8	23064	9.2
		100-year								737	5.8	23064	9.2
LPOMC04	POMC04A	2-year	Rectangular	3	10	56.1	902.90	902.40	0.891	73	2.3	331	11.0
		5-year								109	3.6	331	11.0
		10-year								141	4.7	331	11.0
		25-year								189	6.3	331	11.0
		50-year								222	7.4	331	11.0
		100-year								259	8.6	331	11.0
LPOMC04	POMC04B	2-year	Trapezoidal	2	30	56.1	908.00	907.94	0.100	0	0.0	304	5.1
		5-year								0	0.0	304	5.1
		25-year								0	0.0	304	5.1
		50-vear								0	0.0	304	5.1
		100-year								0	0.0	304	5.1
LPOMC05	LPOMC05	2-vear	Natural	8	0	432.4	906.00	902 90	0 717	165	0.6	38594	11.9
2. 0000	2. 0000	5-year	- tatara					002.00	0.111	234	0.6	38594	11.9
		10-year								279	0.7	38594	11.9
		25-year								373	0.7	38594	11.9
		50-year								441	0.7	38594	11.9
		100-year								520	0.7	38594	11.9
LPOMC06	LPOMC06	2-year	Natural	5	0	493.0	908.31	906.00	0.469	169	3.0	4455	6.2
		5-year								236	3.3	4455	6.2
		10-year								281	3.4	4455	6.2
		25-year								387	3.7	4455	6.2
		50-year								462	3.9	4455	6.2
	POMC074	2 voor	Special	4 5	1 110	60.0	009.60	009.24	0.440	552	4.0	4455	6.2
	FUIVICUTA	2-year	Special	4.5	4.416	69.2	908.00	908.31	0.419	5/	0.8 10.2	64	0.3 6.2
		10-vear								19	11 1	6/	0.3 6 2
		25-year								128	13.6	64	6.3
		50-year								153	15.9	64	6.3
		100-year								182	18.5	64	6.3
LPOMC07	POMC07B	2-year	Trapezoidal	1	30	69.2	914.00	913.93	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LPOMC08	LPOMC08	2-year	Natural	10	10	199.1	909.60	908.60	0.502	170	3.3	26408	10.1
		5-year								238	3.5	26408	10.1
		10-year								281	3.5	26408	10.1
		∠o-year								388	3.5	26408	10.1
		100-year								407 560	3.5 3.6	20408	10.1
		roo-year								000	ა.0	20408	10.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPOMC09	POMC09A	2-year	Special	4.5	4.5	86.2	910.47	910.02	0.522	57	7.9	72	7.0
		5-year								79	8.9	72	7.0
		10-year								94	9.7	72	7.0
		25-year								130	12.9	72	7.0
		50-year								148	14.4	72	7.0
		100-year								162	15.8	72	7.0
LPOMC09	POMC09B	2-year	Trapezoidal	1	30	86.2	914.30	914.21	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		100-vear								32 100	2.1 A 2	99	3.3 २२
LPOMC10	LPOMC10	2-vear	Natural	6	25	123.1	911.46	910 47	0 804	171	3.8	4773	7.5
		5-vear		0	20	120.1	511.40	510.47	0.004	238	3.8	4773	7.5
		10-vear								282	3.7	4773	7.5
		25-year								391	3.7	4773	7.5
		50-year								475	3.8	4773	7.5
		100-year								584	3.8	4773	7.5
LPOMC11	POMC11A	2-year	Rectangular	3	8	87.5	911.60	911.46	0.160	35	2.7	108	4.5
		5-year								49	3.6	108	4.5
		10-year								73	4.6	108	4.5
		25-year								103	5.0	108	4.5
		50-year								126	4.9	108	4.5
		100-year				-				153	6.3	108	4.5
LPOMC11	POMC11B	2-year	Trapezoidal	1	30	87.5	916.00	915.91	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		25-vear								0	0.0	98	3.3
		50-year								0	0.0	08 96	 3.3 3.3
		100-vear								0	0.0	90 98	3.3
LPOMC12	LPOMC12	2-year	Natural	8	15	127.3	912 00	911.60	0.314	58	2.0	5952	6.1
2. 0.0012	2. 0.0012	5-year		0	.0	.27.0	0.2.00	0.1.00	5.014	113	2.9	5952	6.1
		10-year								173	3.3	5952	6.1
		25-year								239	3.6	5952	6.1
		50-year								288	3.5	5952	6.1
		100-year								350	3.5	5952	6.1
LPOMC13	POMC13A	2-year	Circular	2	3.5	27.0	912.14	912.00	0.519	29	11.4	9	2.8
		5-year								39	13.5	9	2.8
		10-year								41	13.5	9	2.8
		25-year								41	13.6	9	2.8
		50-year								41	13.6	9	2.8
		2 voor	Tropozoido	-	20	07.0	016.00	01E 07	0 100	41	13.6	9	2.8
	FUIVIC13B	2-year	rrapezoidal	2	30	27.0	910.00	910.97	0.100	25	0.0	310	5.2
		10-vear								35 90	3.0 4_4	310	5.2
		25-year								159	5.4	310	5.2
		50-year								215	6.0	310	5.2
		100-year								277	6.5	310	5.2
LPOMC14	LPOMC14	2-year	Natural	10	0	832.5	921.14	912.14	1.081	146	1.0	46836	15.1
		5-year								213	1.1	46836	15.1
		10-year								253	1.2	46836	15.1
		25-year								307	1.2	46836	15.1
		50-year								348	1.2	46836	15.1
		100-year								401	1.3	46836	15.1
LPOMC15	LPOMC15	2-year	Natural	4	0	375.7	925.20	921.14	1.081	136	3.7	3790	9.6
		5-year								196	4.1	3790	9.6
		10-year								232	4.3	3790	9.6
		∠5-year								280	4.5	3790	9.6
		100-year								316	4.7	3790	9.6
		roo-year								304	4.8	3790	0.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-1007	Natural	4		100.2	026 50	025 20	0 603	02	0.4	01E4	67
		∠-year 5-vear	n valui di	4	0	190.3	320.30	320.20	0.003	92 131	2.4	2154	6.7
		10-year								155	2.9	2154	6.7
		25-year								187	3.1	2154	6.7
		50-year								210	3.2	2154	6.7
		100-year								242	3.4	2154	6.7
LPOMC17	8645.1	2-year	Circular	3	0	82.3	930.22	926.50	4.518	92	21.9	132	18.6
		5-year								114	22.9	132	18.6
		10-year								119	22.9	132	18.6
		25-year								123	23.0	132	18.6
		100-vear								120	23.5	132	18.6
LPOMC17	8645.2	2-year	Trapezoidal	1	30	82.3	933 22	933.14	0.100	0	0.0	95	3.2
	E	5-year				02.0			0.100	17	2.0	95	3.2
		10-year								36	2.8	95	3.2
		25-year								64	3.5	95	3.2
		50-year								86	4.0	95	3.2
		100-year								112	4.5	95	3.2
LPOMC18	8646.1	2-year	Circular	3	0	128.4	930.58	930.22	0.283	92	13.8	33	4.7
		5-year								99	14.6	33	4.7
		10-year								99	14.6	33	4.7
		∠5-year								99	14.6	33	4.7
		100-vear								99	14.5	33	4.7 4 7
LPOMC18	8646.2	2-year	Trapezoidal	1	30	128 4	935 94	933.22	2,118	0	0.0	444	14.8
2. 0.0010	00 10.L	5-year				.20.4	000.04	000.22	0	41	4.9	444	14.8
		10-year								66	5.6	444	14.8
		25-year								100	6.4	444	14.8
		50-year								126	6.9	444	14.8
		100-year								158	7.5	444	14.8
LPOMC19	8414.1	2-year	Circular	3	0	55.6	931.42	930.58	1.501	-1	-0.2	76	10.7
		5-year								13	1.8	76	10.7
		10-year								5	0.8	76	10.7
		50-year								13	2.0	76	10.7
		100-year								4	0.5	76	10.7
LPOMC19	8414.2	2-year	Trapezoidal	1	30	55.6	936.00	935.94	0.100	0	0.0	100	3.3
		5-year								0	0.2	100	3.3
		10-year								0	-0.2	100	3.3
		25-year								1	-0.2	100	3.3
		50-year								-1	0.4	100	3.3
		100-year								1	-0.2	100	3.3
LPRL101	LPRL101	2-year	Trapezoidal	10	4	107.3	878.04	875.00	2.833	8	0.6	7158	21.1
		5-year								12	0.7	7158	21.1
		25-vear								27	1.1	7158	21.1
		50-vear								32	1.0	7158	21.1
		100-year								38	1.0	7158	21.1
LPRL102	8013.1	2-year	Circular	3	0	8013.1	878.67	878.04	0.244	3	1.1	5	0.8
		5-year								5	1.4	5	0.8
		10-year								7	1.5	5	0.8
		25-year								8	1.6	5	0.8
		50-year								10	1.9	5	0.8
		100-year								20	3.2	5	0.8
LPRL102	8013.2	2-year	Trapezoidal	1	30	8013.1	890.00	889.00	0.012	0	0.0	34	1.1
		p-year								0	0.0	34	1.1
		25-vear								0	0.0	34 31	1.1
		50-vear								0	0.0	34	1.1
		100-year								0	0.0	34	1.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	9240.4	2	Circulor	0.000	()		970.50	070.67	1 009	(0.0)	((0.0)	(
LPKL103	0249.1	z-year	Circular	2.5	0	02.4	079.50	0/0.0/	1.000	12	6.4	30	7.0
		10-vear								10	6.7	38	7.0
		25-vear								23	6.6	38	7.8
		50-year								26	6.8	38	7.8
		100-year								29	6.9	38	7.8
LPRL103	8249.2	2-year	Trapezoidal	1	30	82.4	890.08	890.00	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								1	0.6	95	3.2
LPRL104	8248.1	2-year	Circular	2.5	0	390.7	883.91	879.50	1.129	12	7.1	40	8.2
		5-year								17	7.7	40	8.2
		10-year								20	7.9	40	8.2
		25-year								23	8.2	40	8.2
		50-year								26	8.1	40	8.2
		100-year								30	8.3	40	8.2
LPRL104	8248.2	2-year	I rapezoidal	1	30	390.7	892.48	890.08	0.614	0	0.0	239	8.0
		5-year								0	0.0	239	8.0
		10-year								0	0.0	239	8.0
		25-year								0	0.0	239	8.0
		100 year								0	0.0	239	8.0
	9247.4	100-year	Circular	2.5	0	6E 1	004 74	992.01	1 074	10	0.0	239	0.0
LPKL105	0247.1	z-year	Circular	2.5	0	05.1	004.74	003.91	1.274	12	7.4	43	0.0
		10-vear								20	8.4	43	0.0
		25-year								23	8.8	43	8.8
		50-vear								26	9.0	43	8.8
		100-vear								30	9.2	43	8.8
LPRL105	8247.2	2-vear	Trapezoidal	1	30	65.1	892.51	892.48	0.100	0	0.0	65	2.2
		5-year								0	0.0	65	2.2
		10-year								0	0.0	65	2.2
		25-year								0	0.0	65	2.2
		50-year								0	0.0	65	2.2
		100-year								0	0.0	65	2.2
LPRL106	8246.1	2-year	Circular	2	0	137.0	886.82	884.74	1.519	12	8.1	26	8.2
		5-year								17	8.9	26	8.2
		10-year								20	9.3	26	8.2
		25-year								23	9.7	26	8.2
		50-year								26	9.9	26	8.2
		100-year								30	10.1	26	8.2
LPRL106	8246.2	2-year	Trapezoidal	1	30	137.0	892.65	892.51	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		∠5-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3
	82/5 1	2-year	Circular	2	0	60.0	997 24	886 00	0 700	10	0.0	98 10	5.3
	0240.1	2-year		2	0	02.2	007.31	000.02	0.708	17	0.9	19	5.9
		10-vear								20	7.0 8.0	19	5.9
		25-year								23	8.3	19	5.9
		50-vear								26	8.6	19	5.9
		100-year								30	9.4	19	5.9
LPRL107	8245.2	2-year	Trapezoidal	1	30	62.2	892.71	892.65	0.100	0	0.0	95	3.2
-		- 5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								10	1.7	95	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Trapezoidal	(1001)	(.001)	123.5	877 77	875.00	2 242	178	(12950	20.5
		5-vear	Паредонал		0	120.0	0/1.//	075.00	2.242	267	4.5	12950	20.5
		10-year								321	5.0	12950	20.5
		25-year								392	5.2	12950	20.5
		50-year								444	5.4	12950	20.5
		100-year								514	5.4	12950	20.5
LPRL202	PRL202A	2-year	Rectangular	6	6	158.6	879.90	877.77	1.343	178	15.2	580	16.1
		5-year								267	17.8	580	16.1
		10-year								321	19.1	580	16.1
		20-year								392	20.0	580	16.1
		100-vear								514	23.0	580	16.1
LPRL202	PRL202B	2-year	Trapezoidal	1	30	158.6	888.00	887.84	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LPRL203	LPRL203	2-year	Natural	8	7	377.2	881.77	879.90	0.497	138	3.8	7278	5.9
		5-year								209	3.8	7278	5.9
		25-year								308	3.8	7278	5.9
		50-year								350	3.8	7278	5.9
		100-year								408	3.8	7278	5.9
LPRL204	PRL204A	2-year	Special	7	7	154.8	888.86	881.77	4.578	138	14.6	689	27.8
		5-year								209	16.6	689	27.8
		10-year								252	18.1	689	27.8
		25-year								308	20.1	689	27.8
		50-year								351	21.3	689	27.8
		100-year	Tana ana islad			454.0	000.00	000.05	0.400	409	22.8	689	27.8
LPRL204	PRL204B	2-year	i rapezoidai	1	30	154.8	893.00	892.85	0.100	0	0.0	95	3.2
		10-vear								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LPRL205	LPRL205	2-year	Natural	4	2	120.2	889.04	888.86	0.150	122	1.5	1370	3.2
		5-year								184	1.7	1370	3.2
		10-year								222	1.7	1370	3.2
		25-year								272	1.8	1370	3.2
		50-year								309	1.9	1370	3.2
LPRI 206	PRL206A	2-vear	User Defined	3 25	6.5	30.4	889.96	889 04	3 027	122	5.1	1370	10.2
		5-year	See. Bonnou	5.25	0.0	50.4	000.00	000.04	0.021	184	6.2	0	10.2
		10-year								222	6.8	0	10.2
		25-year								272	7.5	0	10.2
		50-year								309	7.9	0	10.2
		100-year								359	8.5	0	10.2
LPRL206	PRL206B	2-year	Trapezoidal	2	30	30.4	893.21	892.29	3.027	0	0.0	1618	27.0
		5-year								0	0.0	1618	27.0
		10-year								0	0.0	1618	27.0
		50-vear								0	0.0	1618	27.0
		100-year								0	0.0	1618	27.0
LPRL207	LPRL207	2-year	Trapezoidal	4	12	339.4	891.00	889.96	0.306	123	2.4	1137	3.9
		5-year								185	2.6	1137	3.9
		10-year								223	2.7	1137	3.9
		25-year								273	2.8	1137	3.9
		50-year								310	2.8	1137	3.9
		100-year								360	2.9	1137	3.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8401 1	2-vear	Pectangular	()	(163.0	803.42	801.00	1 477	123	1/ 0	206	12.0
	0401.1	5-year	Rectangular			105.5	033.42	031.00	1.477	125	17.5	200	12.9
		10-year								223	18.5	206	12.9
		25-year								256	20.0	206	12.9
		50-year								263	20.2	206	12.9
		100-year								270	20.4	206	12.9
LPRL208	8401.2	2-year	Trapezoidal	1	30	163.9	898.93	896.00	1.788	0	0.0	408	13.6
		5-year								0	0.0	408	13.6
		10-year								0	0.0	408	13.6
		50-vear								48	5.9	408	13.0
		100-vear								91	7.6	408	13.6
LPRL209	8400.1	2-year	Circular	2	0	55.4	893.97	893.42	0.993	59	19.4	21	6.7
		5-year								59	19.4	21	6.7
		10-year								58	19.3	21	6.7
		25-year								58	19.3	21	6.7
		50-year								58	19.2	21	6.7
		100-year								58	19.3	21	6.7
LPRL209	8400.2	2-year	Irapezoidal	2	30	55.4	898.89	898.83	0.100	54	3.4	306	5.1
		5-year								114	4.0	306	5.1
		25-year								211	5.8	306	5.1
		50-year								245	6.1	306	5.1
		100-year								288	6.5	306	5.1
LPRL210	8452.1	2-year	Circular	2	0	194.4	895.57	893.97	0.823	32	10.0	19	6.1
		5-year								32	10.1	19	6.1
		10-year								32	10.1	19	6.1
		25-year								33	10.2	19	6.1
		50-year								32	10.1	19	6.1
	9452.2	100-year	Tranazaidal	2	20	104.4	000 79	000 00	0.072	31	9.9	017	0.1 15.2
LPRL210	0432.2	z-year 5-year	Паредоциа	2		194.4	900.78	090.09	0.972	144	5.7	917	15.3
		10-vear								178	6.8	917	15.3
		25-year								222	7.2	917	15.3
		50-year								256	7.6	917	15.3
		100-year								300	8.1	917	15.3
LPRL211	8453.1	2-year	Circular	2	0	35.7	895.58	895.57	0.028	30	9.6	4	1.1
		5-year								30	9.6	4	1.1
		10-year								30	9.6	4	1.1
		25-year								30	9.6	4	1.1
		100-year								30	9.0	4	1.1
LPRL211	8453.2	2-year	Trapezoidal	2	30	35.7	900.83	900.78	0.140	90	4.3	348	5.8
		5-year		_						142	5.1	348	5.8
		10-year								174	5.5	348	5.8
		25-year								217	6.0	348	5.8
		50-year								249	6.3	348	5.8
		100-year								292	6.7	348	5.8
LPRL212	8451.1	2-year	Circular	2	0	162.7	897.68	895.58	1.291	28	8.8	24	7.6
		5-year								28	9.0	24	7.6
		25-year								∠1 27	0.0 A R	24	7.0
		50-vear								27	8.4	24	7.6
		100-year								27	8.4	24	7.6
LPRL212	8451.2	2-year	Trapezoidal	2	30	162.7	902.26	900.83	0.879	91	5.1	872	14.5
		5-year								146	6.1	872	14.5
		10-year								179	6.7	872	14.5
		25-year								224	7.3	872	14.5
		50-year								257	7.7	872	14.5
		100-year								301	8.1	872	14.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8300 1	2-1001	Circular			40.0	800.00	807 60	1 070	(7 5
LENLZIJ	0399.1	∠-year 5-vear	Circuidi	2	0	40.9	090.20	091.08	1.213	25 25	0.2 8 2	24	7.5
		10-year								25	8.2	24	7.5
		25-year								25	8.2	24	7.5
		50-year								25	8.2	24	7.5
		100-year								25	8.2	24	7.5
LPRL213	8399.2	2-year	Trapezoidal	2	30	40.9	902.62	902.26	0.881	53	4.2	873	14.5
		5-year								90	5.2	873	14.5
		10-year								113	5.7	873	14.5
		25-year								144	6.2	873	14.5
		100-year								197	0.5 6 9	873	14.5
LPRL214	8244.1	2-vear	Circular	2	0	468.8	906.73	898.20	1.820	29	9,8	28	9.0
	02	5-year	onoului					000.20		29	9.8	28	9.0
		10-year								29	9.8	28	9.0
		25-year								29	9.9	28	9.0
		50-year								29	9.8	28	9.0
		100-year								28	9.6	28	9.0
LPRL214	8244.2	2-year	Trapezoidal	1	30	468.8	910.73	902.62	1.730	49	5.2	401	13.4
		5-year								87	6.5	401	13.4
		10-year								110	7.0	401	13.4
		∠5-year								140	1.7	401	13.4
		100-vear								193	0.1 8.6	401 401	13.4
LPRL215	8243.1	2-year	Circular	2	n	73.5	907 39	906.73	0.898	33	10.4	20	6.3
	52-10.1	5-year	5	2	5	. 0.0		000.10	0.000	34	10.7	20	6.3
		10-year								35	10.9	20	6.3
		25-year								35	11.1	20	6.3
		50-year								35	11.2	20	6.3
		100-year								31	9.7	20	6.3
LPRL215	8243.2	2-year	Trapezoidal	1	30	73.5	911.56	910.73	1.129	53	5.3	324	10.8
		5-year								91	6.6	324	10.8
		10-year								114	7.2	324	10.8
		∠o-year								144	7.9 Q 4	324	10.8
		100-year								197	89	324	10.8
LPRL216	8241.1	2-year	Circular	2	n	132.2	907.69	907.39	0.227	11	4.2	10	3.2
		5-year								11	4.1	10	3.2
		10-year								11	4.1	10	3.2
		25-year								11	4.1	10	3.2
		50-year								11	4.1	10	3.2
		100-year								11	4.1	10	3.2
LPRL216	8241.2	2-year	Trapezoidal	2	30	132.2	911.69	911.56	0.100	40	2.8	292	4.9
		5-year								64	3.4	292	4.9
		10-year								78	3.7	292	4.9
		50-vear								90	4.1	292	4.9 4 Q
		100-year								132	4.6	292	4.9
LPRL217	8240.1	2-year	Circular	2	0	189.8	909.24	907.69	0.817	27	8.5	19	6.0
		5-year								27	8.5	19	6.0
		10-year								27	8.6	19	6.0
		25-year								27	8.6	19	6.0
		50-year								27	8.5	19	6.0
		100-year								27	8.4	19	6.0
LPRL217	8240.2	2-year	Trapezoidal	2	30	189.8	914.99	911.69	1.739	23	2.3	1226	20.4
		5-year								48	3.4	1226	20.4
		25-vear								62 20	3.9	1226	20.4
		50-vear								97	4.5	1220	20.4
		100-year								117	5.3	1226	20.4
	1		1	1		1					2.0	0	

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fɒs)
	8220 1	2-veer	Circular	(20 6	010 70	000.24	3 022	,0.0)	10.0	(0:0)	12.4
LFILZIO	0239.1	∠-year 5-vear	Circuidi	2	0	30.0	510.72	509.24	3.033	30	12.3	41 Δ1	13.1
		10-year								39	12.4	41	13.1
		25-year								39	12.4	41	13.1
		50-year								39	12.4	41	13.1
		100-year								39	12.4	41	13.1
LPRL218	8239.2	2-year	Trapezoidal	1	30	38.6	916.39	914.99	3.626	11	2.7	581	19.4
		5-year								35	5.2	581	19.4
		10-year								49	6.2	581	19.4
		25-year								69	7.2	581	19.4
		100-year								103	8.5	581	19.4
LPRL2A01	8242.1	2-vear	Circular	1.25	0	83.0	909.14	907.39	2,109	9	7.7	9	7.1
		5-year								9	7.7	9	7.1
		10-year								9	7.7	9	7.1
		25-year								9	7.7	9	7.1
		50-year								9	7.7	9	7.1
		100-year								9	7.7	9	7.1
LPRL2A01	8242.2	2-year	Trapezoidal	1	30	83.0	911.97	911.56	0.494	9	1.3	214	7.1
		5-year								17	1.8	214	7.1
		10-year								22	2.0	214	7.1
		∠o-year 50-vear								29	2.2	214	7.1
		100-vear								34 41	2.4	214	7.1
LPRL301	8490.1	2-vear	Circular	3	0	310.8	901.92	899.57	0.756	65	9,9	54	7.6
	2.5011	5-year				2.0.0		223.07	500	67	9.9	54	7.6
		10-year								68	10.0	54	7.6
		25-year								68	10.1	54	7.6
		50-year								69	10.2	54	7.6
		100-year								69	10.2	54	7.6
LPRL301	8490.2	2-year	Trapezoidal	2	30	310.8	905.00	904.69	0.100	10	1.5	294	4.9
		5-year								47	2.8	294	4.9
		10-year								101	3.3	294	4.9
		20-year								101	3.9 4.2	294	4.9 4 Q
		100-year								153	4.6	294	4.9
LPRL302	PRL302A	2-year	Circular	2.5	0	49.1	902.29	901.92	0.753	53	10.7	33	6.7
		5-year								50	10.0	33	6.7
		10-year								50	10.0	33	6.7
		25-year								50	10.0	33	6.7
		50-year								51	10.1	33	6.7
		100-year								51	10.2	33	6.7
LPRL302	PRL302B	2-year	Trapezoidal	2	30	49.1	905.29	905.00	0.590	43	4.0	715	11.9
		5-year								85	4.8	715	11.9
		25-vear								1/1	5.0	715	11.9
		50-vear								163	5.2	715	11.9
		100-year								193	5.6	715	11.9
LPRL303	8237.1	2-year	Circular	3	0	330.3	904.79	902.29	0.757	54	7.4	54	7.6
		5-year								73	10.1	54	7.6
		10-year								73	10.1	54	7.6
		25-year								73	10.1	54	7.6
		50-year								73	10.1	54	7.6
		100-year								73	10.0	54	7.6
LPRL303	8237.2	2-year	Trapezoidal	2	30	330.3	910.12	905.29	1.765	0	0.0	1125	18.7
		p-year								6	0.7	1125	18.7
		25-vear								22 43	1.8 2.8	1125	18.7
		50-vear								-5	3.3	1125	18.7
		100-year								79	3.8	1125	18.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8236.1	2-vear	Circular	25	0	44.3	004.94	904 79	0 330	54	11.0	22	4.5
LITTEOUT	0200.1	5-vear	Oncular	2.0	0		304.34	304.73	0.000	63	11.0	22	4.5
		10-year								63	12.8	22	4.5
		25-year								65	13.1	22	4.5
		50-year								64	13.0	22	4.5
		100-year								63	12.8	22	4.5
LPRL304	8236.2	2-year	Trapezoidal	1	30	44.3	910.16	910.12	0.100	0	0.0	92	3.1
		5-year								41	3.1	92	3.1
		10-year								56	3.5	92	3.1
		50-vear								75	3.9	92	3.1
		100-year								109	4.5	92	3.1
LPRL305	8012.1	2-year	Rectangular	2.5	4	150.4	907.35	904.94	1.602	54	6.7	113	11.3
		5-year								79	7.9	113	11.3
		10-year								84	8.3	113	11.3
		25-year								85	8.5	113	11.3
		50-year								87	8.7	113	11.3
		100-year								88	8.7	113	11.3
LPRL305	8012.2	2-year	Trapezoidal	1	30	150.4	911.93	910.16	1.177	0	0.0	331	11.0
		5-year								10	0.0	331	11.0
		25-vear								30	2.3	331	11.0
		50-vear								45	3.0	331	11.0
		100-year								65	3.7	331	11.0
LPRL306	8235.1	2-year	Circular	2.5	0	37.6	908.21	907.35	2.285	5	5.8	58	11.7
		5-year								7	6.1	58	11.7
		10-year								9	6.3	58	11.7
		25-year								10	6.5	58	11.7
		50-year								12	6.9	58	11.7
	0005.0	100-year	-			07.0		044.00	0.050	14	6.9	58	11.7
LPRL306	8235.2	2-year	Trapezoidal	1	30	37.6	912.29	911.93	0.956	0	0.0	298	9.9
		10-vear								0	0.0	290	9.9
		25-vear								0	0.0	298	9.9
		50-year								0	0.0	298	9.9
		100-year								0	-0.1	298	9.9
LPRL307	8479.1	2-year	Circular	2	0	178.8	913.61	908.21	3.019	5	8.2	37	11.6
		5-year								7	9.1	37	11.6
		10-year								9	9.5	37	11.6
		25-year								10	10.0	37	11.6
		50-year								12	10.4	37	11.6
PRI 307	8479 2	2-vear	Tranezoidal	1	30	178 P	917 11	912 20	2 695	13	0.0	501	11.0
	0413.2	5-vear	mapezolual			170.0	517.11	512.23	2.093	0	0.0	501	16.7
		10-year								0	0.0	501	16.7
		25-year								0	0.0	501	16.7
		50-year								0	0.0	501	16.7
		100-year								0	0.0	501	16.7
LPRL401	8234.1	2-year	Circular	2.5	0	106.2	923.25	921.60	1.554	5	2.7	47	9.7
		5-year								7	2.7	47	9.7
		10-year								9	3.1	47	9.7
		∠5-year								11	3.6	47	9.7
		100-vear								14	3.9 4 A	47 47	9.7
LPRL401	8234.2	2-year	Trapezoidal	1	30	106.2	926 67	925.35	1,243	ب ا ۱	. 0.0	340	11.3
		5-year								0	0.0	340	11.3
		10-year								0	0.0	340	11.3
		25-year								0	0.0	340	11.3
		50-year								0	0.0	340	11.3
		100-year								0	0.0	340	11.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPRMC01	LPRMC01	2-year	Trapezoidal	12	8	275.3	869.97	861.41	3.110	329	10.5	9702	25.3
		5-year								509	11.8	9702	25.3
		10-year								608	12.4	9702	25.3
		25-year								727	13.0	9702	25.3
		50-year								797	13.3	9702	25.3
		100-year								901	13.8	9702	25.3
LPRMC02	PRMC02A	2-year	Rectangular	7	7	81.4	871.81	869.97	2.260	329	19.7	1136	23.2
		5-year								509	23.2	1136	23.2
		25-year								727	24.8	1130	23.2
		50-vear								797	27.6	1136	23.2
		100-year								901	29.0	1136	23.2
LPRMC02	PRMC02B	2-year	Trapezoidal	1	30	81.4	903.94	903.86	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
	DDMC02A	100-year	Doctor sule:	-	-	00.0	070.40	074.04	0.040	0	0.0	96	3.2
LPRINC03	PRIMC03A	∠-year 5-vear	Rectangular	/	7	60.2	ŏ/J.16	ŏ/1.81	2.243	329	20.0	1131	23.1
		10-vear								608	22.0	1131	23.1
		25-vear								727	25.1	1131	23.1
		50-year								797	25.8	1131	23.1
		100-year								901	26.7	1131	23.1
LPRMC03	PRMC03B	2-year	Trapezoidal	1	30	60.2	904.00	903.94	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year	Destangular	7	7	77 F	974.04	972.46	2.250	220	0.0	90	3.2
LPRIVIC04	PRIVICU4A	2-year 5-year	Rectangular	1	/	11.5	874.91	873.10	2.259	509	20.1	1135	23.2
		10-vear								608	22.0	1135	23.2
		25-year								727	24.8	1135	23.2
		50-year								797	25.4	1135	23.2
		100-year								901	26.2	1135	23.2
LPRMC04	PRMC04B	2-year	Trapezoidal	1	30	77.5	904.08	904.00	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
LPRMC05	LPRMC05	2-vear	Trapezoidal	10	5	18 6	875 00	874 01	0 483	221	0.0 A A	3050 3050	ວ.ວ ຊ ຊ
		5-year		10		10.0	010.00	07 1.01	0100	509	8.6	3959	8.8
		10-year								608	8.6	3959	8.8
		25-year								727	8.5	3959	8.8
		50-year								797	8.5	3959	8.8
		100-year								901	8.5	3959	8.8
LPRMC06	LPRMC06	2-year	Trapezoidal	12	15	32.0	876.00	875.00	3.126	148	4.1	18208	26.6
		5-year								229	4.4	18208	26.6
		10-year								279	4.6	18208	26.6
		∠o-year								304	4.8	18208	20.6
		100-year								352	4.9	18208	20.0
LPRMC07	PRMC07A	2-vear	Circular	5	0	64.6	878.81	876.00	4.353	148	24.4	505	25.7
		5-year				00	2. 0.01	2. 5.00		228	26.8	505	25.7
		10-year								279	27.8	505	25.7
		25-year								304	28.8	505	25.7
		50-year								317	29.3	505	25.7
		100-year								351	30.3	505	25.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPRMC07	PRMC07B	2-vear	Trapezoidal	1	30	64.6	888.00	887.94	0.100	0	0.0	93	3.1
		5-year								0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		25-year								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LPRMC08	LPRMC08	2-year	Trapezoidal	8	12	149.9	881.40	878.81	1.728	142	3.3	9892	14.7
		5-year								211	3.7	9892	14.7
		25-vear								203	3.0	9092	14.7
		50-vear								293	3.9	9892	14.7
		100-year								339	3.9	9892	14.7
LPRMC09	PRMC09A	2-year	Rectangular	4	6	343.6	883.33	881.40	0.562	142	11.7	216	9.0
		5-year								211	13.7	216	9.0
		10-year								253	14.1	216	9.0
		25-year								272	15.3	216	9.0
		50-year								293	16.3	216	9.0
		100-year	-					000.07	0.400	311	17.0	216	9.0
LPRMC09	PRMC09B	2-year	Trapezoidal	1	30	343.6	890.00	889.67	0.100	0	0.0	95	3.2
		5-year 10-vear								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								28	2.2	95	3.2
LPRMC10	PRMC10A	2-year	Special	4.5	6	176.2	885.04	883.33	0.971	69	5.7	166	7.5
		5-year								102	6.4	166	7.5
		10-year								122	6.4	166	7.5
		25-year								132	6.4	166	7.5
		50-year								133	6.3	166	7.5
		100-year				(====				133	6.3	166	7.5
LPRMC10	PRMC10B	2-year	Irapezoidal	2	30	176.2	890.18	890.00	0.100	0	0.0	297	5.0
		5-year								0	0.0	297	5.0
		25-vear								0	0.0	297	5.0
		50-year								50	3.0	297	5.0
		100-year								119	4.3	297	5.0
LPRMC11	LPRMC11	2-year	Natural	8	10	214.5	886.56	885.04	0.709	138	4.2	12819	6.9
		5-year								204	4.2	12819	6.9
		10-year								243	4.2	12819	6.9
		25-year								275	4.2	12819	6.9
		50-year								301	4.2	12819	6.9
	DDMC104	2 voor	Speciel	25		77 4	007.00	006 EC	0 570	336	4.2	12819	6.9
	FRIVICIZA	2-year	Special	2.5	3	11.1	007.00	000.00	0.570	55	7.9 8.0	28	3.9
		10-vear								55	8.0	20	3.9
		25-year								57	8.1	28	3.9
		50-year								56	8.0	28	3.9
		100-year								56	8.0	28	3.9
LPRMC12	PRMC12B	2-year	Trapezoidal	2	30	77.1	890.00	889.92	0.100	29	2.6	300	5.0
		5-year								98	4.2	300	5.0
		10-year								134	4.8	300	5.0
		25-year								194	5.5	300	5.0
		50-year								241	6.0	300	5.0
		2-vear	Natural	E	2	122.0	887.04	887 00	0 101	120	0.5	300	5.0
		5-year		5	2	132.0	007.24	007.00	0.101	205	0.5	3252	3.4
		10-year								244	0.5	3252	3.4
		25-year								288	0.5	3252	3.4
		50-year								320	0.5	3252	3.4
		100-year								355	0.5	3252	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LPRMC14	PRMC14A	2-vear	Circular	6	0	207.0	887 37	887 24	0.063	147	10.0	90	35
	1100147	5-vear	Oncular	0	0	207.0	001.01	007.24	0.000	210	10.6	99	3.5
		10-year								247	11.5	99	3.5
		25-year								293	12.7	99	3.5
		50-year								326	13.5	99	3.5
		100-year								347	14.0	99	3.5
LPRMC14	PRMC14B	2-year	Trapezoidal	1	30	207.0	893.00	892.79	0.100	0	0.0	96	3.2
-		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								14	0.0	90	3.2
LPRMC15	LPRMC15	2-vear	Natural	6.5	5	195.0	889 60	887 37	1 144	147	3.7	1891	6.2
	LITANOIS	5-vear	Naturai	0.0	5	100.0	005.00	007.07	1.144	210	3.9	1891	6.2
		10-year								248	3.9	1891	6.2
		25-year								295	4.0	1891	6.2
		50-year								329	4.0	1891	6.2
		100-year								366	4.0	1891	6.2
LPRMC16	PRMC16A	2-year	Circular	6	0	1137.4	899.57	889.60	0.877	135	12.2	368	13.0
		5-year								194	13.4	368	13.0
		10-year								225	14.0	368	13.0
		25-year								266	14.5	368	13.0
		50-year								296	14.8	368	13.0
		100-year								332	15.2	368	13.0
LPRMC16	PRMC16B	2-year	Trapezoidal	3	30	1137.4	906.00	896.00	0.879	0	0.0	1650	18.3
		5-year								0	0.0	1650	18.3
		25-vear								0	0.0	1650	18.3
		50-vear								0	0.0	1650	18.3
		100-vear								0	0.0	1650	18.3
LPRMC17	LPRMC17	2-vear	Natural	5	10	993.6	909.36	899.57	0.985	69	1.1	5903	7.7
		5-year								97	1.2	5903	7.7
		10-year								114	1.3	5903	7.7
		25-year								135	1.3	5903	7.7
		50-year								151	1.3	5903	7.7
		100-year								172	1.4	5903	7.7
LPRMC18	8405.1	2-year	Circular	1.67	0	44.7	909.50	909.36	0.313	28	15.9	7	3.3
		5-year								30	16.3	7	3.3
		10-year								31	16.6	7	3.3
		25-year								33	16.8	7	3.3
		100-year								34	17.0	7	3.3
	8405.2	2-vear	Trapezoidal	1	30	417	912 00	912 06	0 100	30	2.1	01	3.3
	0400.2	5-year	Tapezulual		30	44.7	313.00	312.30	0.100	40 60	3.1	Q1	3.0
		10-vear								84	4.1	91	3.0
		25-year								105	4.5	91	3.0
		50-year								120	4.7	91	3.0
		100-year								141	5.0	91	3.0
LPRMC19	8406.1	2-year	Circular	1.67	0	94.3	909.95	909.50	0.477	17	7.6	9	4.1
		5-year								17	7.6	9	4.1
		10-year								17	7.6	9	4.1
		25-year								17	7.5	9	4.1
		50-year								17	7.5	9	4.1
	a	100-year	- ····				<u></u>	0.15		17	7.5	9	4.1
LPRMC19	8406.2	2-year	I rapezoidal	1	30	94.3	913.45	913.00	0.477	62	4.3	211	7.0
		o-year								90	4.9	211	7.0
		25-vear								107	5.2	211	7.0
		50-vear								146	5.5	211	7.0
		100-year								168	6.0	211	7.0
	1		1	1							2.0		

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8407.1	2-vear	Circular	1.67	(,	680.3	010.87	000.05	1 /58	16	73	(0.0)	7.2
	0407.1	5-vear	Oliculai	1.07	0	000.0	515.07	303.33	1.400	16	7.3	16	7.2
		10-year								16	7.3	16	7.2
		25-year								16	7.3	16	7.2
		50-year								16	7.3	16	7.2
		100-year								16	7.3	16	7.2
LPRMC20	8407.2	2-year	Trapezoidal	1	30	680.3	924.04	913.45	1.557	11	1.3	381	12.7
		5-year								22	2.0	381	12.7
		10-year								29	2.3	381	12.7
		25-year								38	2.7	381	12.7
		100-year								43 54	2.9	381	12.7
I PRMC21	8408 1	2-vear	Circular	2	0	80.0	921 60	919 87	2 163	26	8.9	31	9.8
2	0.00011	5-year	onoului				02.1.00	0.0.07	200	27	9.0	31	9.8
		10-year								27	8.8	31	9.8
		25-year								27	8.8	31	9.8
		50-year								27	8.9	31	9.8
		100-year								27	8.9	31	9.8
LPRMC21	8408.2	2-year	Trapezoidal	1	30	80.0	925.35	924.04	1.638	1	0.4	390	13.0
		5-year								12	2.7	390	13.0
		10-year								19	3.4	390	13.0
		25-year								28	4.2	390	13.0
		50-year								34	4.0	390	13.0
	8/72 1	2-vear	Circular	2	0	100.3	022.45	921 60	0.848	43	1.8	390 10	6.2
	0472.1	5-vear	Circulai	2	0	100.3	922.45	921.00	0.040	6	1.0	19	6.2
		10-vear								9	3.0	10	6.2
		25-year								-4	-1.7	19	6.2
		50-year								-4	-1.7	19	6.2
		100-year								11	3.5	19	6.2
LPRMC22	8472.2	2-year	Trapezoidal	1	30	100.3	925.37	925.35	0.020	0	0.1	43	1.4
		5-year								0	-0.1	43	1.4
		10-year								0	0.3	43	1.4
		25-year								1	-0.2	43	1.4
		50-year								1	-0.2	43	1.4
		2-vear	Natural	20	0	956 5	882.07	873.84	0.860	-1	-0.3	1/2182	1.4
ERCEUTOT	ERCEOTOT	5-vear	Inatural	20	0	330.3	002.07	075.04	0.000	168	0.0	142182	18.5
		10-vear								194	0.8	142182	18.5
		25-year								218	0.7	142182	18.5
		50-year								-251	0.7	142182	18.5
		100-year								-288	0.7	142182	18.5
LRCL0102	RCL0102A	2-year	Circular	4	0	80.8	883.53	882.07	1.808	119	17.6	179	14.3
		5-year								169	20.1	179	14.3
		10-year								196	21.2	179	14.3
		25-year								220	21.9	179	14.3
		50-year								227	22.0	179	14.3
	PCI 0102P	2 year	Tranazaidal	Б	20	00.0	007 52	997 /5	0.100	247	22.7	179	14.3
	NOLUTU2D	5-year	rapezulual	5	30	00.0	001.00	007.40	0.100	0	0.0	1210	8.1
		10-year								0	0.0	1210	8.1
		25-year								-60	-2.7	1210	8.1
		50-year								98	2.8	1210	8.1
		100-year								150	3.0	1210	8.1
LRCL0103	LRCL0103	2-year	Natural	10	0	46.5	883.86	883.53	0.710	88	0.8	38517	12.3
		5-year								127	0.8	38517	12.3
		10-year								149	0.8	38517	12.3
		25-year								176	1.1	38517	12.3
		50-year								194	0.9	38517	12.3
		100-year								227	0.9	38517	12.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	(,	0	78/ 8	805 38	883.86	1 /68	102	13	27085	16.5
LIKOLOTO4	LIKOLOTO	5-vear	Naturai	0	0	704.0	000.00	000.00	1.400	102	1.5	27985	16.5
		10-year								174	1.6	27985	16.5
		25-year								209	1.7	27985	16.5
		50-year								236	1.7	27985	16.5
		100-year								272	1.7	27985	16.5
LRCL0105	8653.1	2-year	Circular	2.5	0	49.1	895.91	895.38	1.079	57	19.0	40	8.1
		5-year								62	19.9	40	8.1
		10-year								65	20.4	40	8.1
		25-year									21.0	40	8.1
		100-year								71	21.4	40	8.1
L RCI 0105	8653.2	2-vear	Trapezoidal	2	30	49 1	899.57	899.52	0 100	45	3.2	297	4.9
211020100	000012	5-year	riapozoidai				000101	000.02	000	85	4.1	297	4.9
		10-year								110	4.6	297	4.9
		25-year								142	5.0	297	4.9
		50-year								166	5.3	297	4.9
		100-year								199	5.7	297	4.9
LRCL0106	8654.1	2-year	Circular	2.5	0	58.7	896.55	895.91	1.091	36	7.3	40	8.1
		5-year								36	7.3	40	8.1
		10-year								35	7.1	40	8.1
		25-year								35	7.0	40	8.1
		100-year								35	7.0	40	8.1
	8654.2	2-vear	Tranazoidal	2	30	58 7	900 30	800 57	1 245	24	7.0	1038	0.1
LKCLUIUU	0034.2	2-year 5-year	Паредониан	2	30	56.7	900.30	099.57	1.245	52	3.4	1038	17.3
		10-vear								68	3.9	1038	17.3
		25-year								90	4.4	1038	17.3
		50-year								105	4.6	1038	17.3
		100-year								124	4.9	1038	17.3
LRCL0107	8600.1	2-year	Circular	2.5	0	114.6	898.62	896.55	1.807	52	10.5	51	10.4
		5-year								52	10.6	51	10.4
		10-year								52	10.6	51	10.4
		25-year								52	10.6	51	10.4
		50-year								53	10.7	51	10.4
	8600.2	2-vear	Tranazoidal	1	30	114.6	002 54	900 30	1 055	5	10.7	JT 427	14.2
LKCLUIU7	8000.2	5-vear	Паредониан		30	114.0	902.04	900.30	1.955	28	3.7	427	14.2
		10-vear								42	4.6	427	14.2
		25-year								60	5.5	427	14.2
		50-year								74	5.9	427	14.2
		100-year								93	6.3	427	14.2
LRCL0108	8601.1	2-year	Circular	2.5	0	70.4	899.48	898.62	1.222	41	9.4	42	8.6
		5-year								42	9.7	42	8.6
		10-year								42	9.8	42	8.6
		25-year								42	9.8	42	8.6
		50-year								46	9.8	42	8.6
	9601.2	2 voor	Tranazaidal	1	20	70.4	002.40	002.54	0 100	43	9.0	42	0.0
LINGLUIUO	0001.2	∠-year 5-vear	riapezulual	1		70.4	902.40	902.04	-0.199	-29 -51	-2.3 -3.0	130	4.5 4.5
		10-vear								-64	-3.3	136	4.5
		25-year								-81	-3.7	136	4.5
		50-year								-94	-3.9	136	4.5
		100-year								-111	-4.3	136	4.5
LRCL0109	8602.1	2-year	Circular	1.5	0	189.1	906.10	899.48	3.501	24	13.5	18	10.3
		5-year								24	13.6	18	10.3
		10-year								24	13.6	18	10.3
		25-year								24	13.5	18	10.3
		50-year								24	13.5	18	10.3
		100-year								24	13.5	18	10.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0109	8602.2	2-vear	Trapezoidal	2	30	189.1	910 93	902.40	4 511	36	62	1975	32.9
LINGLOIDO	0002.2	5-vear	Tapozoidai	-		100.1	010.00	002.10	1.011	59	6.7	1975	32.9
		10-year								73	7.1	1975	32.9
		25-year								92	7.5	1975	32.9
		50-year								105	7.4	1975	32.9
		100-year								123	7.8	1975	32.9
LRCL0110	8603.1	2-year	Circular	2.5	0	170.5	907.15	906.10	0.616	30	6.0	30	6.1
		5-year								28	5.8	30	6.1
		10-year								28	5.6	30	6.1
		25-year								25	5.1	30	6.1
		50-year								25	5.0	30	6.1
	8602.2	2 voor	Tranazaidal	2	20	170 5	011.65	000.02	1 000	25	5.1 1.2	30	15.6
LKCLUTTU	0003.2	2-year 5-year	Паредониан	2	30	170.5	911.05	909.93	1.009	15	1.2	934	15.6
		10-vear								22	1.0	934	15.0
		25-vear								30	1.4	934	15.6
		50-year								37	1.6	934	15.6
		100-year								45	1.9	934	15.6
LRCL0111	8604.1	2-year	Circular	2	0	225.1	908.81	907.15	0.737	21	6.7	18	5.7
		5-year								21	6.8	18	5.7
		10-year								21	6.7	18	5.7
		25-year								21	6.7	18	5.7
		50-year								21	6.8	18	5.7
		100-year								21	6.8	18	5.7
LRCL0111	8604.2	2-year	Trapezoidal	1	30	225.1	912.81	911.65	0.515	12	2.4	219	7.3
		5-year								23	3.0	219	7.3
		10-year								30	3.4	219	7.3
		25-year								39	3.7	219	7.3
		100-year								40	3.9	219	7.3
LRCI 0112	8605.1	2-vear	Circular	2	0	183.6	914 23	908.81	2 952	28	9.2	210	11.5
LINGLUTTZ	0003.1	5-year	Circular	2	0	105.0	314.23	300.01	2.352	36	11.3	36	11.5
		10-year								36	11.3	36	11.5
		25-year								36	11.4	36	11.5
		50-year								36	11.4	36	11.5
		100-year								36	11.4	36	11.5
LRCL0112	8605.2	2-year	Trapezoidal	1	30	183.6	918.23	912.81	2.952	0	0.0	524	17.5
		5-year								4	0.8	524	17.5
		10-year								10	1.8	524	17.5
		25-year								19	2.7	524	17.5
		50-year								25	3.3	524	17.5
	0000 1	100-year	O'muda	-			04 1 0 1	044.05	4 105	34	3.8	524	17.5
LRCL0113	8606.1	2-year	Circular	2	0	38.9	914.81	914.23	1.492	28	10.4	26	8.2
		J-year								34	10.8	26	8.2
		25-vear								34	10.9	20 26	ຽ.2 ຊາງ
		50-vear									10.0	20	8.2
		100-year								34	10.8	26	8.2
LRCL0113	8606.2	2-year	Trapezoidal	1	30	38.9	918.81	918.23	1.492	0	0.0	373	12.4
		5-year								12	3.2	373	12.4
		10-year								18	3.8	373	12.4
		25-year								27	4.5	373	12.4
		50-year								34	4.8	373	12.4
		100-year								42	5.3	373	12.4
LRCL01A01	LRCL01A01	2-year	Trapezoidal	7	40	634.1	890.65	883.53	1.123	38	0.5	17951	13.0
		5-year								52	0.5	17951	13.0
		10-year								60	0.6	17951	13.0
		25-year								68	0.6	17951	13.0
		50-year								71	0.6	17951	13.0
		100-year								77	0.6	17951	13.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL01A02	8481 1	2-vear	Circular	3	0	52 7	890 82	890.65	0.322	,	13.5	35	5.0
ERGEOTINGE	010111	5-vear	Circular	0		02.7	000.02	000.00	0.022	54	15.3	35	5.0
		10-year								62	16.2	35	5.0
		25-year								69	16.7	35	5.0
		50-year								72	16.8	35	5.0
		100-year								78	17.6	35	5.0
LRCL01A02	8481.2	2-year	Trapezoidal	1	30	52.7	897.24	897.00	0.455	0	0.0	206	6.9
		5-year								0	0.0	206	6.9
		10-year								0	0.0	206	6.9
		25-year								0	0.0	206	6.9
		100-year								0	0.0	206	6.9
L R CL 01403	8599.1	2-vear	Circular	3	0	50.8	800 08	890.82	0 315	32	6.7	200	4.9
EROLUTAGO	0000.1	5-vear	Oncular	5	0	50.0	000.00	030.02	0.010	42	7.5	35	4.9
		10-vear								47	7.8	35	4.9
		25-year								52	8.2	35	4.9
		50-year								56	8.5	35	4.9
		100-year								63	8.8	35	4.9
LRCL01A03	8599.2	2-year	Trapezoidal	1	30	50.8	897.90	897.24	1.299	0	0.0	348	11.6
		5-year								0	0.0	348	11.6
		10-year								0	0.0	348	11.6
		25-year								0	0.0	348	11.6
		50-year								0	0.0	348	11.6
		100-year								0	0.0	348	11.6
LRCL01A04	8598.1	2-year	Circular	3	0	161.0	891.03	890.98	0.031	32	5.5	11	1.5
		5-year								42	6.4	11	1.5
		10-year								47 52	0.8	11	1.5
		50-year								56	7.5	11	1.5
		100-year								63	8.7	11	1.5
LRCI 01A04	8598.2	2-vear	Trapezoidal	1	30	161.0	898.06	897 90	0 100	0	0.0	96	3.2
ERGEORIA	0000.2	5-vear	Trapozoidai			101.0	000.00	001.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LRCL01A05	LRCL01A05	2-year	Trapezoidal	6	6	166.3	891.08	891.03	0.030	32	0.2	1773	1.8
		5-year								43	0.2	1773	1.8
		10-year								48	0.2	1773	1.8
		25-year								53	0.2	1773	1.8
		50-year								59	0.2	1773	1.8
	BCI 01 ACCA	100-year	Circuler			40.0	004 40	804.00	0.045	95	0.2	1//3	1.8
LKULU1AU6	KULU1AU6A	∠-year 5-year	Circular	2	0	40.8	891.18	891.08	0.245	36	11.3	10	3.3
		10-veer								48 52	16.7	10	 3.3
		25-vear								58	18.3	10	3.3
		50-year								61	19.2	10	3.3
		100-year								62	19.6	10	3.3
LRCL01A06	RCL01A06B	2-year	Trapezoidal	1	30	40.8	898.10	897.50	1.472	0	0.0	370	12.3
		5-year								0	0.0	370	12.3
		10-year								0	0.0	370	12.3
		25-year								0	0.0	370	12.3
		50-year								0	0.0	370	12.3
		100-year								76	6.7	370	12.3
LRCL01A07	LRCL01A07	2-year	Natural	11	20	337.8	900.00	891.18	2.611	55	0.7	102186	24.0
		5-year								89	0.5	102186	24.0
		10-year								106	0.6	102186	24.0
		25-year								129	0.7	102186	24.0
		50-year								146	0.7	102186	24.0
		roo-year								168	0.7	102186	24.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 01408	8597 1	2-vear	Circular	2	<u></u> Λ	55.4	900.00	900.00	0 162	31	15.1	۹. R	27
LINGEGINGO	000711	5-year	Circular			00.1	000.00	000.00	0.102	34	15.9	8	2.7
		10-year								36	16.2	8	2.7
		25-year								37	16.6	8	2.7
		50-year								39	16.8	8	2.7
		100-year								40	17.0	8	2.7
LRCL01A08	8597.2	2-year	Trapezoidal	1	30	55.4	903.78	903.72	0.100	26	2.5	100	3.3
		5-year								56	3.5	100	3.3
		10-year								72	3.9	100	3.3
		25-year								110	4.3	100	3.3
		100-year								133	4.9	100	3.3
LRCL01A09	8483.1	2-vear	Circular	2	0	175.3	900.39	900.09	0.171	35	10.9	9	2.8
		5-year								35	10.9	9	2.8
		10-year								35	10.9	9	2.8
		25-year								35	10.9	9	2.8
		50-year								35	10.9	9	2.8
		100-year								35	10.9	9	2.8
LRCL01A09	8483.2	2-year	Trapezoidal	1	30	175.3	908.66	903.78	2.784	14	2.0	509	17.0
		5-year								43	3.7	509	17.0
		10-year								59	4.4	509	17.0
		25-year								08	5.1	509	17.0
		100-year								90	5.5	509	17.0
LRCL01A10	8596 1	2-vear	Circular	2	0	192.2	900 72	900.39	0 172	25	7.7	900 9	2.8
EROLOTATO	0000.1	5-vear	Oncular	2	0	152.2	500.72	500.55	0.172	23	7.7	9	2.8
		10-year								24	7.6	9	2.8
		25-year								24	7.7	9	2.8
		50-year								24	7.7	9	2.8
		100-year								24	7.6	9	2.8
LRCL01A10	8596.2	2-year	Trapezoidal	10	30	192.2	906.30	908.66	-1.228	-41	-0.9	11652	38.8
		5-year								-69	-1.4	11652	38.8
		10-year								-85	-1.7	11652	38.8
		25-year								-105	-2.0	11652	38.8
		100-year								-120	-2.1	11652	38.8
LRCL01A11	8592.1	2-vear	Circular	2	0	33.2	901.66	900 72	2 834	29	9.2	35	11.3
EROLUTATI	0002.1	5-vear	Oncular	2	0	55.2	501.00	300.72	2.004	21	6.6	35	11.3
		10-year								21	6.5	35	11.3
		25-year								22	7.1	35	11.3
		50-year								22	7.1	35	11.3
		100-year								22	7.0	35	11.3
LRCL01A11	8592.2	2-year	Trapezoidal	4	30	33.2	906.66	906.30	1.085	81	3.5	2856	23.8
		5-year								97	4.0	2856	23.8
		10-year								113	3.9	2856	23.8
		25-year								140	3.9	2856	23.8
		50-year								165	3.6	2856	23.8
LRCI 01412	8448 1	2-vear	Circular	о 2	0	131 0	904 89	901 66	2 150	193	5.7	2000	20.0
LICEUTAIZ	0.1	5-year	Circular	2	0	131.0	004.00	501.00	2.409	17	5.4	33	10.5
		10-year								19	6.1	33	10.5
		25-year								22	6.8	33	10.5
		50-year								22	6.9	33	10.5
		100-year								22	7.1	33	10.5
LRCL01A12	8448.2	2-year	Trapezoidal	3	30	131.0	908.88	906.66	1.695	13	0.8	2291	25.5
		5-year								34	0.9	2291	25.5
		10-year								53	1.3	2291	25.5
		25-year								70	1.7	2291	25.5
		50-year								83	1.8	2291	25.5
	I	roo-year								99	2.1	2291	25.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCI 01B01	8482 1	2-vear	Circular	15	0	42.6	906.86	906 10	1 786	18	10.0	13	74
LICEUIDOI	0102.1	5-vear	onoului	1.0		12.0	000.00	000.10	1.700	18	10.2	13	7.4
		10-year								17	9.8	13	7.4
		25-year								15	8.2	13	7.4
		50-year								16	8.8	13	7.4
		100-year								15	8.6	13	7.4
LRCL01B01	8482.2	2-year	Trapezoidal	3	30	42.6	909.36	910.93	-3.689	-24	-0.8	3380	37.6
		5-year								-35	-1.1	3380	37.6
		10-year								-42	-1.3	3380	37.6
		25-year								-51	-1.5	3380	37.6
		50-year								-58	-1.6	3380	37.6
		2 voor	Natural	14	0	111.2	001 02	077 27	1 095	-07	-1.0	94462	37.0
LKCL0201	LINGLUZUT	2-year 5-year	Indiurai	14	0	411.2	001.03	011.31	1.005	136	3.7	84463	17.0
		10-vear								164	3.7	84463	17.0
		25-vear								221	2.7	84463	17.0
		50-year								257	2.3	84463	17.0
		100-year								301	2.0	84463	17.0
LRCL0202	8568.1	2-year	Rectangular	4	6	408.5	892.34	881.83	2.573	87	11.0	461	19.2
		5-year								115	11.8	461	19.2
		10-year								140	12.6	461	19.2
		25-year								190	14.6	461	19.2
		50-year								216	15.4	461	19.2
		100-year								252	16.7	461	19.2
LRCL0202	8568.2	2-year	Trapezoidal	1	30	408.5	898.34	888.00	2.531	0	0.0	485	16.2
		5-year								0	0.0	485	16.2
		10-year								0	0.0	485	16.2
		25-year								0	0.0	480	16.2
		100-year								0	0.0	400	16.2
L RCL 0203	8567 1	2-vear	Rectangular	4	6	209.9	894 76	892 34	1 153	68	10.2	309	12.9
LINGLUZUS	0307.1	5-year	Rectarigutar		0	203.5	034.70	032.34	1.155	88	11.1	309	12.9
		10-year								111	12.2	309	12.9
		25-year								154	13.4	309	12.9
		50-year								175	13.9	309	12.9
		100-year								203	14.5	309	12.9
LRCL0203	8567.2	2-year	Trapezoidal	1	30	209.9	900.26	898.34	0.915	0	0.0	292	9.7
		5-year								0	0.0	292	9.7
		10-year								0	0.0	292	9.7
		25-year								0	0.0	292	9.7
		50-year								0	0.0	292	9.7
	0500.4	100-year	O'muda	0 -		50.4.5	007.05	00170	0.001	0	0.0	292	9.7
LRCL0204	8566.1	2-year	Circular	2.5	0	534.3	907.00	894.76	2.291	49	13.0	58	11.7
		10-year								53	13.3	58	11.7
		25-vear								80 64	13.0	58 58	11.7
		50-year								66	13.9	58	11.7
		100-year								66	13.9	58	11.7
LRCL0204	8566.2	2-year	Trapezoidal	1	30	534.3	911.50	900.26	2.104	11	3.4	442	14.7
		5-year								22	4.5	442	14.7
		10-year								41	5.8	442	14.7
		25-year								69	7.1	442	14.7
		50-year								86	7.8	442	14.7
		100-year								112	8.6	442	14.7
LRCL0205	8435.1	2-year	Circular	2.5	0	54.9	907.51	907.00	0.930	48	9.7	37	7.5
		5-year								52	10.5	37	7.5
		10-year								54	10.9	37	7.5
		25-year								55	11.2	37	7.5
		50-year								56	11.3	37	7.5
		100-year								55	11.2	37	7.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0205	8435.2	2-vear	Trapezoidal	1	30	54 0	911 00	911 50	0 720	,	22	260	<u>я</u> 7
LINGLOZOO	0100.2	5-vear	Trapozoidai			01.0	011.00	011.00	0.720	37	4.0	260	8.7
		10-year								60	4.9	260	8.7
		25-year								93	5.8	260	8.7
		50-year								111	6.2	260	8.7
		100-year								135	6.7	260	8.7
LRCL0206	8436.1	2-year	Circular	2.5	0	35.0	908.35	907.51	2.390	48	9.9	59	12.0
	-	5-year								52	10.6	59	12.0
		10-year								54	11.0	59	12.0
		25-year								55	11.2	59	12.0
		100-year								55	11.3	59	12.0
L RCL 0206	8436.2	2-vear	Trapezoidal	1	30	35.0	911 93	911 90	0.086	30	2.8	89	3.0
LINOLOZOO	0430.2	5-vear	Trapezoidai			55.0	511.55	511.50	0.000	44	3.2	89	3.0
		10-year								67	3.8	89	3.0
		25-year								99	4.4	89	3.0
		50-year								117	4.7	89	3.0
		100-year								140	5.1	89	3.0
LRCL0207	8607.1	2-year	Circular	2.5	0	100.8	908.61	908.35	0.261	40	8.1	19	4.0
		5-year								46	9.4	19	4.0
		10-year								47	9.4	19	4.0
		25-year								46	9.4	19	4.0
		50-year								46	9.4	19	4.0
		100-year								46	9.4	19	4.0
LRCL0207	8607.2	2-year	Trapezoidal	1	30	100.8	913.77	911.93	1.825	0	0.0	412	13.7
		5-year								24	0.1	412	13.7
		25-vear								 	2.2	412	13.7
		50-vear								55	3.4	412	13.7
		100-vear								71	3.9	412	13.7
LRCL0208	8608.1	2-vear	Circular	2.5	0	562.9	916.73	908.61	1.442	40	8.5	46	9.3
		5-year								48	9.6	46	9.3
		10-year								54	10.9	46	9.3
		25-year								54	10.9	46	9.3
		50-year								54	10.9	46	9.3
		100-year								54	10.9	46	9.3
LRCL0208	8608.2	2-year	Trapezoidal	1	30	562.9	924.98	913.77	1.991	0	0.0	430	14.3
		5-year								0	0.0	430	14.3
		10-year								16	3.5	430	14.3
		25-year								33	4.8	430	14.3
		100-year								44 50	5.4	430	14.3
	8610.1	2-vear	Circular	2	0	233 E	Q10 12	916 72	1 029	30	0.2	430	۲4.3 ۵ ۵
	0010.1	5-year		2	0	200.0	313.13	310.73	1.020	34	9.5	21	6.8
		10-vear								34	10.5	21	6.8
		25-year								34	10.5	21	6.8
		50-year								34	10.4	21	6.8
		100-year								33	10.4	21	6.8
LRCL0209	8610.2	2-year	Trapezoidal	3	30	233.5	923.46	924.98	-0.651	0	0.0	1420	15.8
		5-year								-13	-0.5	1420	15.8
		10-year								-44	-1.3	1420	15.8
		25-year								-56	-1.6	1420	15.8
		50-year								-64	-1.7	1420	15.8
		100-year						-		-75	-1.9	1420	15.8
LRCL0210	8609.1	2-year	Circular	2	0	37.7	919.50	919.13	0.982	30	9.5	21	6.6
		5-year								34	10.8	21	6.6
		10-year								33	10.6	21	6.6
		20-year								31	11.6	21	0.6
		100-year								38	11.7	21	0.0
		.00 you								50	11.3	21	0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L BCL 0210	8609.2	2-vear	Trapezoidal	3	30	37.7	923.25	923.46	-0 558	-13	-1.5	1314	14.6
LINGLOZIO	0000.2	5-vear	Tapozoidai	0		01.1	020.20	020.10	0.000	-39	-2.2	1314	14.6
		10-year								-51	-2.3	1314	14.6
		25-year								-63	-2.4	1314	14.6
		50-year								-71	-2.5	1314	14.6
		100-year								-82	-2.5	1314	14.6
LRCL0211	8429.1	2-year	Circular	1.5	0	23.9	921.00	919.50	6.284	24	13.7	24	13.8
		5-year								24	13.7	24	13.8
		10-year								24	13.8	24	13.8
		25-year								24	13.8	24	13.8
		50-year								24	13.8	24	13.8
	9420.2	2 voor	Tranazaidal	2	20	22.0	022.00	022.25	1 047	24	13.0	1901	20.0
LKCLUZTI	0429.2	2-year 5-year	Паредониан		30	23.9	923.00	923.25	-1.047	-27	-2.1	1801	20.0
		10-vear								-52	-2.1	1801	20.0
		25-vear								-63	-2.2	1801	20.0
		50-year								-72	-2.2	1801	20.0
		100-year								-82	-2.2	1801	20.0
LRCL02A01	8614.1	2-year	Circular	2	0	248.0	893.67	892.34	0.536	15	6.5	15	4.9
		5-year								21	7.9	15	4.9
		10-year								25	8.8	15	4.9
		25-year								28	9.2	15	4.9
		50-year								28	9.4	15	4.9
		100-year								29	9.5	15	4.9
LRCL02A01	8614.2	2-year	Trapezoidal	1	30	248.0	897.67	898.34	-0.270	0	0.0	159	5.3
		5-year								0	0.0	159	5.3
		10-year								0	0.0	159	5.3
		25-year								0	0.0	159	5.3
		100-year								-3	-0.3	159	5.3
L RCL 02402	8613.1	2-vear	Circular	2	0	61.3	896.09	893.67	3 950	15	7.6	42	13.3
LICEUZAUZ	0013.1	5-year	Circular	2		01.5	030.03	035.07	5.350	21	8.0	42	13.3
		10-vear								25	8.5	42	13.3
		25-year								29	9.3	42	13.3
		50-year								33	10.4	42	13.3
		100-year								36	11.5	42	13.3
LRCL02A02	8613.2	2-year	Trapezoidal	1	30	61.3	900.09	897.67	3.950	0	0.0	606	20.2
		5-year								0	0.0	606	20.2
		10-year								0	0.0	606	20.2
		25-year								0	0.0	606	20.2
		50-year								0	0.0	606	20.2
	0045.4	100-year	O'muda			400 -	000 75	000.01	0 775	3	0.3	606	20.2
LRCL02B01	8615.1	2-year	Circular	2	0	182.5	893.72	892.34	0.756	4	4.3	18	5.8
		10-year								6	5.0	18	5.8
		25-vear									5.3 5.6	18	ວ.ຽ 5 ຊ
		50-vear								10	5.8	18	5.8
		100-year								12	6.1	18	5.8
LRCL02B01	8615.2	2-year	Trapezoidal	1	30	182.5	897.72	898.34	-0.340	.2	0.0	178	5.9
		5-year								0	0.0	178	5.9
		10-year								0	0.0	178	5.9
		25-year								0	0.0	178	5.9
		50-year								0	0.0	178	5.9
		100-year								0	0.0	178	5.9
LRCL02B02	8616.1	2-year	Circular	1.25	0	63.6	894.65	893.72	1.463	4	6.3	7	5.9
		5-year								6	6.9	7	5.9
		10-year								7	7.3	7	5.9
		25-year								9	7.6	7	5.9
		50-year								10	8.6	7	5.9
		100-year								12	9.4	7	5.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL02B02	8616.2	2-year	Trapezoidal	1	,	63.6	897 90	897 72	0.283	<u>ر، ب</u>	0.0	162	54
LITOLOLDOL	0010.2	5-year	Trapozoidai			00.0	001.00	001.12	0.200	0	0.0	162	5.4
		10-year								0	0.0	162	5.4
		25-year								0	0.0	162	5.4
		50-year								0	0.0	162	5.4
		100-year	0. 1						0.057	0	0.0	162	5.4
LRCL02C01	LRCL02C01	2-year	Circular	2	0	36.0	909.35	908.61	2.057	3	1.1	30	9.6
		5-year								5	1.3	30	9.6
		25-vear								5	1.7	30	9.6
		50-year								5	1.5	30	9.6
		100-year								4	1.4	30	9.6
LRCL02C02	LRCL02C02	2-year	Circular	2	0	36.5	909.73	909.35	1.041	2	0.7	21	6.8
		5-year								2	1.0	21	6.8
		10-year								4	1.3	21	6.8
		25-year								4	1.3	21	6.8
		100-year								4	1.2	21	6.0 6.8
LRCI 02D01	8430 1	2-vear	Circular	2	n	71 9	921 20	916 73	6 216	12	1.1 6 9	52	0.0 16 7
	0-00.1	5-year		2	0	71.9	521.20	510.75	0.210	18	9.2	52	16.7
		10-year								20	9.2	52	16.7
		25-year								23	9.5	52	16.7
		50-year								25	9.6	52	16.7
		100-year								28	9.7	52	16.7
LRCL02D01	8430.2	2-year	Trapezoidal	1	30	71.9	925.20	924.98	0.306	0	0.0	169	5.6
		5-year								0	0.0	169	5.6
		10-year								7	1.6	169	5.6
		25-year								12	2.0	169	5.6
		50-year								20	2.1	169	5.6
L RCI 02D02	8431 1	2-vear	Circular	2	0	32.5	921 90	921 20	2 151	12	10.4	31	9.8
LITOLOZDOZ	0401.1	5-vear	Oncolar	2	0	52.5	521.50	521.20	2.101	12	12.0	31	9.8
		10-year								20	12.1	31	9.8
		25-year								24	12.1	31	9.8
		50-year								26	12.1	31	9.8
		100-year								28	12.1	31	9.8
LRCL02D02	8431.2	2-year	Trapezoidal	1	30	32.5	925.90	925.20	2.151	0	0.0	447	14.9
		5-year								0	0.0	447	14.9
		10-year								0	0.0	447	14.9
		25-year								0	0.0	447	14.9
		100-vear								4	1.0	447	14.9
LRCL02D03	8432.1	2-year	Circular	2	0	28.4	922.04	921.90	0.493	12	7.5	15	4.7
		5-year								17	8.5	15	4.7
		10-year								20	8.9	15	4.7
		25-year								24	9.2	15	4.7
		50-year								25	9.4	15	4.7
		100-year								28	9.5	15	4.7
LRCL02D03	8432.2	2-year	Trapezoidal	1	30	28.4	926.04	925.90	0.493	0	0.0	214	7.1
		5-year								0	0.0	214	7.1
		25-vear								0 2	1.0	214	7.1
		50-vear								7	1.2	214	7.1
		100-year								11	2.2	214	7.1
LRCL0300	LRCL0300	2-year	Natural	16	0	121.4	890.05	878.97	9.124	60	2.4	331778	65.1
		5-year								88	2.0	331778	65.1
		10-year								105	1.8	331778	65.1
		25-year								128	1.6	331778	65.1
		50-year								145	1.5	331778	65.1
		100-year								167	1.3	331778	65.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL0301	LRCL0301	2-vear	Natural	3.6	0	373.3	903.38	890.05	3.571	58	5.7	1732	14.5
		5-year								84	6.3	1732	14.5
		10-year								99	6.7	1732	14.5
		25-year								120	7.1	1732	14.5
		50-year								136	7.3	1732	14.5
	0205.4	100-year	Cincular			40.0	002.01	000.00	0.545	156	7.6	1732	14.5
LRGL0302	0395.1	z-year 5-year	Circular	2	0	42.2	903.01	903.30	0.545	41	17.4	16	4.9
		10-vear								45	17.4	16	4.9
		25-year								48	17.9	16	4.9
		50-year								49	18.1	16	4.9
		100-year								51	18.3	16	4.9
LRCL0302	8395.2	2-year	Trapezoidal	1	30	42.2	906.86	906.82	0.095	16	2.1	94	3.1
		5-year								39	3.1	94	3.1
		10-year								53	3.5	94	3.1
		50-vear								87	4.2	94	3.1
		100-year								106	4.5	94	3.1
LRCL0303	8612.1	2-year	Circular	2	0	29.3	904.24	903.61	2.149	33	10.4	31	9.8
		5-year								33	10.4	31	9.8
		10-year								33	10.4	31	9.8
		25-year								33	10.4	31	9.8
		50-year								33	10.4	31	9.8
	8612.2	2-vear	Trapazoidal	1	30	20.3	907.07	906 86	0.716	33	10.4	258	9.8
LKGL0303	0012.2	5-year	Паредониа		30	29.3	907.07	900.00	0.710	67	4.1	258	8.6
		10-year								83	5.2	258	8.6
		25-year								105	5.5	258	8.6
		50-year								121	5.8	258	8.6
		100-year								142	6.0	258	8.6
LRCL0304	8611.1	2-year	Circular	2	0	406.3	911.12	904.24	1.694	30	9.5	27	8.7
		5-year								30	9.5	27	8.7
		25-year								30	9.5	27	8.7
		50-year								30	9.5	27	8.7
		100-year								30	9.4	27	8.7
LRCL0304	8611.2	2-year	Trapezoidal	1	30	406.3	915.29	907.07	2.023	20	3.1	434	14.5
		5-year								41	4.3	434	14.5
		10-year								54	4.8	434	14.5
		25-year								71	5.4	434	14.5
		50-year								100	5.8	434	14.5
LRCI 0305	8437 1	2-vear	Circular	2	n	37.3	911 56	911 12	1 181	30	0.Z Q 7	23	7.3
2020000	5107.1	5-year	5	2	5	01.0	011.00	\$11.12		30	9.6	23	7.3
		10-year								30	9.6	23	7.3
		25-year								30	9.5	23	7.3
		50-year								30	9.5	23	7.3
		100-year								30	9.6	23	7.3
LRCL0305	8437.2	2-year	Frapezoidal	1	30	37.3	915.56	915.29	0.725	29	3.7	260	8.7
		o-year								49 62	4.5	260	8.7 9.7
		25-year								78	4.9 5.4	260	87
		50-year								90	5.7	260	8.7
		100-year								106	6.1	260	8.7
LRCL0401	LRCL0401	2-year	Natural	20	0	749.3	891.42	878.62	1.708	116	1.3	194040	33.6
		5-year								168	1.4	194040	33.6
		10-year								202	1.4	194040	33.6
		25-year								245	1.5	194040	33.6
		100-year								318	1.6	194040	33.6
	1		1	1			1			515	1.5		55.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0402	RCI 04024	2-vear	Circular	2	() 0	49.7	893.68	801 42	4 550	30	17.5	45	14.3
ERGEOTOE	11020102/1	5-vear	onoului			10.1	000.00	001.12	1.000	48	18.7	45	14.3
		10-year								51	19.1	45	14.3
		25-year								55	19.6	45	14.3
		50-year								57	19.8	45	14.3
		100-year								59	20.0	45	14.3
LRCL0402	RCL0402B	2-year	Trapezoidal	1	30	49.7	896.00	895.95	0.100	0	0.0	97	3.2
		5-year								26	2.6	97	3.2
		10-year								50	3.3	97	3.2
		25-year								109	4.1	97	3.2
		100-year								100	4.5	97	3.2
L RCI 0403	LRCI 0403	2-vear	Natural	10	0	855 5	915 74	893.68	2 579	96	5.0	18051	20.7
LIKOLO400	LICOLO403	5-vear	Naturai	10	0	000.0	515.74	000.00	2.075	138	5.6	18051	20.7
		10-year								164	5.6	18051	20.7
		25-year								197	5.6	18051	20.7
		50-year								223	5.6	18051	20.7
		100-year								257	5.7	18051	20.7
LRCL0404	8384.1	2-year	Circular	2	0	226.2	920.74	915.74	2.210	14	7.7	31	9.9
		5-year								20	9.5	31	9.9
		10-year								24	10.3	31	9.9
		25-year								29	11.0	31	9.9
		50-year								32	11.3	31	9.9
		100-year								36	11.4	31	9.9
LRCL0404	8384.2	2-year	Irapezoidal	1	30	226.2	924.91	918.00	3.054	0	0.0	533	17.8
		5-year								0	0.0	533	17.8
		25-vear								0	0.0	533	17.0
		50-vear								0	0.0	533	17.8
		100-year								0	0.0	533	17.8
LRCL0405	8617.1	2-year	Circular	2	0	48.2	921.99	920.74	2.596	14	9.9	34	10.8
		5-year								20	11.0	34	10.8
		10-year								24	11.4	34	10.8
		25-year								29	12.0	34	10.8
		50-year								33	11.9	34	10.8
		100-year								36	11.3	34	10.8
LRCL0405	8617.2	2-year	Circular	1	30	48.2	925.99	924.91	2.243	0	0.0	5	6.3
		5-year								0	0.0	5	6.3
		10-year								0	0.0	5	6.3
		25-year								0	0.0	5	6.3
		100-year								0	0.0	5	0.3 6.3
L RCI 0406	8655 1	2-vear	Circular	1	0	10 5	922 78	921 00	1 603	14	0.0	160	13.4
	0000.1	5-year	Circular	4	0	43.0	522.10	521.33	1.003	20	8.1	169	13.4
		10-vear								24	8.4	169	13.4
		25-year								29	8.5	169	13.4
		50-year								33	8.6	169	13.4
		100-year								36	8.4	169	13.4
LRCL0406	8655.2	2-year	Trapezoidal	1	30	49.5	925.78	925.99	-0.418	0	0.0	197	6.6
		5-year								0	0.0	197	6.6
		10-year								0	0.0	197	6.6
		25-year								0	0.0	197	6.6
		50-year								0	0.0	197	6.6
		100-year								0	0.0	197	6.6
LRCL0407	LRCL0407	2-year	Trapezoidal	4	8	101.4	924.69	922.78	1.880	14	2.3	1062	12.1
		5-year								20	2.7	1062	12.1
		25-year								24	2.9	1062	12.1
		50-vear								29	3.0	1062	12.1
		100-vear								38	3.0	1062	12.1
											0.1	1002	1 1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0408	8466 1	2-vear	Circular	2	0	69.1	927.85	924 69	4 576	14	13.1	45	14.3
ERGEOIGO	0100.1	5-vear	onoului			00.1	021.00	021.00	1.070	20	14.6	45	14.3
		10-year								24	15.3	45	14.3
		25-year								29	16.1	45	14.3
		50-year								33	16.6	45	14.3
		100-year								37	17.3	45	14.3
LRCL0408	8466.2	2-year	Trapezoidal	1	30	69.1	930.00	927.69	3.345	0	0.0	558	18.6
		5-year								0	0.0	558	18.6
		10-year								0	0.0	558	18.6
		25-year								0	0.0	558	18.0
		100-vear								1	1.4	558	18.6
LRCL0501	LRCL0501	2-vear	Natural	22	0	561.6	898.15	880.54	3.136	132	3.1	164012	44.0
		5-year								192	2.5	164012	44.0
		10-year								229	2.4	164012	44.0
		25-year								277	2.3	164012	44.0
		50-year								312	2.3	164012	44.0
		100-year								358	2.3	164012	44.0
LRCL0502	8382.1	2-year	Circular	5	0	78.1	901.23	898.15	3.944	111	21.2	480	24.5
		5-year								162	24.0	480	24.5
		10-year								192	25.4	480	24.5
		25-year								232	27.0	480	24.5
		100-year								202	20.1	480	24.5
L BCI 0502	8382.2	2-vear	Trapezoidal	1	30	78 1	910.00	909 92	0 100	233	20.4	98	3.3
EROE0302	0002.2	5-vear	Trapezoidai			70.1	510.00	303.32	0.100	0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3
LRCL0503	8192.1	2-year	Circular	4	0	419.7	909.98	901.23	2.085	87	15.0	193	15.3
		5-year								126	16.4	193	15.3
		10-year								150	17.1	193	15.3
		25-year								180	17.7	193	15.3
		100-year								204	18.1	193	15.3
L RCI 0503	8192.2	2-vear	Tranezoidal	1	30	<i>4</i> 19 7	915.65	910.00	1 346	219	0.0	354	11.5
LINGE0303	0132.2	5-year	Паредонал			413.7	313.05	310.00	1.540	0	0.0	354	11.0
		10-vear								0	0.0	354	11.8
		25-year								0	0.0	354	11.8
		50-year								0	0.0	354	11.8
		100-year								14	3.3	354	11.8
LRCL0504	8383.1	2-year	Circular	2	0	216.5	917.49	909.98	3.469	47	15.3	39	12.5
		5-year								47	15.3	39	12.5
		10-year								47	15.3	39	12.5
		25-year								47	15.3	39	12.5
		50-year								47	15.3	39	12.5
	8363 0	2-vear	Tranazoidal	4	20	216 F	021 57	015 65	2 725	47	15.3	39	12.5
LNGL0304	0303.2	∠-year 5-vear	riapezulual	1		210.5	921.97	910.00	2.135	50	4.7 6.8	504	16.8
		10-year								68	7.7	504	16.8
		25-year								92	8.7	504	16.8
		50-year								112	9.3	504	16.8
		100-year								138	10.2	504	16.8
LRCL0505	8189.1	2-year	Circular	2	0	370.8	917.58	917.49	0.024	22	7.3	3	1.0
		5-year								22	7.3	3	1.0
		10-year								22	7.3	3	1.0
		25-year								22	7.3	3	1.0
		50-year								22	7.3	3	1.0
		100-year								22	7.3	3	1.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L BCI 0505	8189.2	2-vear	Trapezoidal	1	30	370.8	922 75	921 57	0.318	47	35	172	57
LINGLOODO	0100.2	5-vear	Trapozoidai			0/0.0	022.70	021.07	0.010	73	4.1	172	5.7
		10-year								89	4.5	172	5.7
		25-year								109	4.8	172	5.7
		50-year								124	5.1	172	5.7
		100-year								144	5.4	172	5.7
LRCL05A01	8191.1	2-year	Circular	2.5	0	201.7	913.40	909.98	1.695	22	7.8	50	10.1
		5-year								32	8.9	50	10.1
		10-year								38	9.6	50	10.1
		50-vear								40 52	10.2	50	10.1
		100-year								58	11.7	50	10.1
LRCL05A01	8191.2	2-year	Trapezoidal	1	30	201.7	918.82	915.65	1.571	0	0.0	382	12.7
		5-year								0	0.0	382	12.7
		10-year								0	0.0	382	12.7
		25-year								0	0.0	382	12.7
		50-year								0	0.0	382	12.7
		100-year	<u>.</u>							12	3.3	382	12.7
LRCL05A02	8190.1	2-year	Circular	2.5	0	210.6	919.68	913.40	2.982	22	11.0	66	13.4
		5-year								32	12.1	00 88	13.4
		25-vear								47	12.4	66	13.4
		50-vear								52	12.0	66	13.4
		100-year								61	13.2	66	13.4
LRCL05A02	8190.2	2-year	Trapezoidal	1	30	210.6	924.76	918.82	2.820	0	0.0	512	17.1
		5-year								0	0.0	512	17.1
		10-year								0	0.0	512	17.1
		25-year								0	0.0	512	17.1
		50-year								0	0.0	512	17.1
	0404.4	100-year	0			47.0	010.00	047.50	7 000	0	0.0	512	17.1
LRCL05B01	8464.1	2-year	Circular	2	0	17.3	918.86	917.58	7.390	10	0.6	57	18.2
		10-vear								10	3.2	57	18.2
		25-year								6	2.1	57	18.2
		50-year								7	2.3	57	18.2
		100-year								6	1.9	57	18.2
LRCL05B01	8464.2	2-year	Trapezoidal	1	30	17.3	922.86	922.75	0.635	0	-0.1	243	8.1
		5-year								2	1.3	243	8.1
		10-year								2	1.5	243	8.1
		25-year								0	0.3	243	8.1
		100-year								1	1.2	243	8.1
LRCL05C01	8465 1	2-vear	Circular	2	0	27.5	919.07	917 58	5 4 1 6	7	2.2	243	15.6
2110200001	0-00.1	5-year	Circular	2	0	21.5	513.07	517.50	5.410		2.2	49	15.6
		10-year								9	2.9	49	15.6
		25-year								9	2.9	49	15.6
		50-year								9	2.8	49	15.6
		100-year								8	2.6	49	15.6
LRCL05C01	8465.2	2-year	Trapezoidal	1	30	27.5	923.07	922.75	1.163	3	1.3	329	11.0
		5-year								2	1.4	329	11.0
		10-year								2	1.6	329	11.0
		∠o-year								3	1.5	329	11.0
		100-year								3	1.0	329	11.0
LRCL0601	LRCL0601	2-vear	Natural	14	0	970.5	930.25	883.93	4,773	14	1.0	99089	37.5
		5-year								20	0.8	99089	37.5
		10-year								24	0.7	99089	37.5
		25-year								29	0.7	99089	37.5
		50-year								33	0.7	99089	37.5
		100-year								38	0.7	99089	37.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0602	8188 1	2-vear	Circular	2	0	100.2	932.84	930.25	1 300	14	84	24	76
LINGLOODE	0100.1	5-vear	onoului	-		100.2	002.01	000.20	1.000	18	9.7	24	7.6
		10-year								19	9.9	24	7.6
		25-year								20	10.1	24	7.6
		50-year								20	10.2	24	7.6
		100-year								21	10.3	24	7.6
LRCL0602	8188.2	2-year	Trapezoidal	1	30	199.2	936.76	936.56	0.100	0	0.0	297	2.3
		5-year								2	0.6	297	2.3
		10-year								5	0.9	297	2.3
		25-year								10	1.1	297	2.3
		50-year								13	1.2	297	2.3
	0107 1	2 voor	Circular	2	0	22.4	022 72	022.94	2 717	10	1.3	297	2.3
LKCL0003	0107.1	2-year 5-year	Circular	2	0	32.4	933.72	932.04	2.717	10	6.3	35	11.0
		10-vear								10	6.3	35	11.0
		25-vear								10	6.3	35	11.0
		50-year								19	6.4	35	11.0
		100-year								20	6.4	35	11.0
LRCL0603	8187.2	2-year	Trapezoidal	1	30	32.4	936.97	936.76	0.648	0	0.0	246	8.2
		5-year								5	1.6	246	8.2
		10-year								9	2.0	246	8.2
		25-year								15	2.4	246	8.2
		50-year								19	2.7	246	8.2
		100-year								24	3.0	246	8.2
LRCL0701	LRCL0701	2-year	Natural	14.5	0	1532.4	923.99	887.50	2.381	42	0.3	168194	29.2
		5-year								62	0.3	168194	29.2
		10-year								74	0.3	168194	29.2
		25-year								101	0.3	169104	29.2
		100-year								101	0.3	168194	29.2
L RCL 0702	RCI 07024	2-vear	Circular	2	0	37.0	926.03	923.99	5 521	33	18.2	49	15.7
LIKELOTOZ	ROLUTUZA	5-year	Circular	2	0	57.0	320.03	323.33	5.521	36	18.3	49	15.7
		10-vear								37	18.3	49	15.7
		25-year								39	18.6	49	15.7
		50-year								40	18.8	49	15.7
		100-year								41	19.1	49	15.7
LRCL0702	RCL0702B	2-year	Trapezoidal	1	30	37.0	928.03	925.99	5.521	17	5.4	717	23.9
		5-year								35	7.3	717	23.9
		10-year								46	8.1	717	23.9
		25-year								61	9.1	717	23.9
		50-year								72	9.7	717	23.9
		100-year	N a toma t	-		005 -	000.07	000.07	4.00	87	10.5	717	23.9
LRCL0703	LRCL0703	2-year	INATURA	3	0	385.5	933.09	926.03	1.831	23	0.7	1334	7.9
		J-year								32	1.3	1334	7.9
		25-year								30 46	0.9	1334	7.9 7 Q
		50-year								51	1.2	1334	7.9
		100-year								58	1.2	1334	7.9
LRCL0704	RCL0704A	2-year	Special	4	4	31.5	933.40	933.09	0.985	23	10.8	64	8.6
		5-year								32	12.2	64	8.6
		10-year								38	13.1	64	8.6
		25-year								46	14.0	64	8.6
		50-year								51	14.6	64	8.6
		100-year								59	15.4	64	8.6
LRCL0704	RCL0704B	2-year	Trapezoidal	1	30	31.5	935.09	935.06	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		roo-year								U	0.0	94	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0705	L RCI 0705	2-vear	Natural	26	0	326.5	937 17	933.40	1 155	13	03	2028	79
LINGLOVED	LITOLOFOO	5-vear	- tatara	2.0	0	020.0	007.17	000.10	1.100	18	0.3	2928	7.9
		10-year								21	0.3	2928	7.9
		25-year								25	0.4	2928	7.9
		50-year								28	0.4	2928	7.9
		100-year								32	0.4	2928	7.9
LRCL0706	8015.1	2-year	Special	3.5	3.5	86.9	938.17	937.17	1.151	13	8.4	56	8.9
		5-year								18	9.4	56	8.9
		10-year								21	9.9	56	8.9
		25-year								25	10.5	56	8.9
		50-year								28	10.9	56	8.9
		100-year								32	11.4	56	8.9
LRCL0706	8015.2	2-year	Trapezoidal	1	30	86.9	943.84	943.33	0.587	0	0.0	234	7.8
		5-year								0	0.0	234	7.8
		10-year								0	0.0	234	7.8
		50-year								0	0.0	234	7.0
		100-vear								0	0.0	234	7.0
LRCI 0707	8297 1	2-vear	Special	3.83	3.83	53.3	939 50	938 17	2 498	13	6.4	101	13.7
21.020707	5257.1	5-year	opoola	0.00	0.00		555.50	550.17	2.400	18	7.0	101	13.7
		10-year								21	7.5	101	13.7
		25-vear								25	7.9	101	13.7
		50-year								28	8.1	101	13.7
		100-year								32	8.4	101	13.7
LRCL0707	8297.2	2-year	Trapezoidal	1	30	53.3	944.83	943.84	1.859	0	0.0	416	13.9
		5-year								0	0.0	416	13.9
		10-year								0	0.0	416	13.9
		25-year								0	0.0	416	13.9
		50-year								0	0.0	416	13.9
		100-year								0	0.0	416	13.9
LRCL0800	LRCL0800	2-year	Natural	16	0	350.0	897.63	895.30	0.667	194	2.5	199155	14.5
		5-year								311	2.7	199155	14.5
		10-year								399	2.8	199155	14.5
		25-year								503	2.8	199155	14.5
		50-year								578	2.7	199155	14.5
		100-year								680	2.5	199155	14.5
LRCL0801	LRCL0801	2-year	Natural	16	0	752.1	902.65	897.63	0.667	182	4.0	199421	14.5
		5-year								283	4.3	199421	14.5
		10-year								360	4.5	199421	14.5
		20-year								452	4.7 1 0	199421	14.5
		100-vear								602	4.0	199421	14.5
L RCI 0802	LRCI 0802	2-vear	Natural	10	٥	1090 3	907 39	902.65	0 435	149	 0.7	44801	7.6
		5-year		10	0	1000.0	551.53	552.05	0.400	210	0.7	44801	7.5
		10-vear								248	0.8	44801	7.6
		25-year								299	0.8	44801	7.6
		50-year								333	0.8	44801	7.6
		100-year								376	0.8	44801	7.6
LRCL0803	RCL0803A	2-year	Rectangular	3	8	52.2	907.62	907.39	0.441	131	14.8	179	7.5
		5-year								182	17.3	179	7.5
		10-year								213	18.6	179	7.5
		25-year								253	20.1	179	7.5
		50-year								283	21.2	179	7.5
		100-year								324	22.6	179	7.5
LRCL0803	RCL0803B	2-year	Trapezoidal	1	30	52.2	911.00	910.95	0.100	0	0.0	94	3.1
		5-year								0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-1/001	Natural			327 4	007.67	007.60	0.015	101	10	100	0.0
LNGLU004		∠-year 5-year	inatural	4	0	337.1	901.07	307.02	0.015	131	1.0	433	0.9
		10-vear							L	213	1.0	433	0.9
		25-vear								210	1.0	433	0.9
		50-year								283	1.1	433	0.9
		100-year								324	1.1	433	0.9
LRCL0805	RCL0805A	2-year	Rectangular	3	8	48.8	907.68	907.67	0.021	131	6.1	39	1.6
		5-year								183	7.4	39	1.6
		10-year								214	8.3	39	1.6
		25-year								254	9.9	39	1.6
		50-year								284	11.4	39	1.6
		100-year								325	13.1	39	1.6
LRCL0805	RCL0805B	2-year	Trapezoidal	1	30	48.8	912.00	911.95	0.100	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
-		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
	Deltastat	100-year					0.5	0.00		0	0.0	98	3.3
LRCL0806	RCL0806A	2-year	Rectangular	3	8	109.8	908.89	907.68	1.102	128	7.3	283	11.8
		5-year								179	8.2	283	11.8
		10-year								209	8.9	283	11.8
		25-year								249	9.7	283	11.8
		100 year								251	10.1	283	11.8
		2 voor	Tranazaidal	2	20	100.9	012 11	012.00	0.100	230	10.4	203	11.0
LKCLU606	RCLUOUDD	Z-year	Паредоциа	2		109.0	912.11	912.00	0.100	0	0.0	294	4.9
		10-vear								0	0.0	294	4.9
		25-vear								0	0.0	294	4.9
		50-vear								30	2.5	294	4.9
		100-year								73	3.7	294	4.9
LRCL0807	LRCL0807	2-vear	Trapezoidal	5	6	140.9	909.44	908.89	0.390	126	4.0	1006	6.0
		5-year								175	4.0	1006	6.0
		10-year								205	4.0	1006	6.0
		25-year								245	3.9	1006	6.0
		50-year								275	3.9	1006	6.0
		100-year								313	3.9	1006	6.0
LRCL0808	RCL0808A	2-year	Rectangular	3	8	46.6	909.62	909.44	0.386	126	7.8	168	7.0
		5-year								175	9.2	168	7.0
		10-year								205	9.9	168	7.0
		25-year								245	10.1	168	7.0
		50-year								275	10.5	168	7.0
		100-year								313	12.6	168	7.0
LRCL0808	RCL0808B	2-year	Trapezoidal	1	30	46.6	914.00	913.95	0.100	0	0.0	100	3.3
		5-year								0	0.0	100	3.3
		10-year								0	0.0	100	3.3
		∠o-year								0	0.0	100	3.3
		100-year								0	0.0	100	3.3
		2-vear	Tranazoidal	F	2	127.0	000 80	000 62	0 202	125	0.0	612	5.5
		5-year	Trapezulual	5	2	121.9	303.00	303.0Z	0.203	120	4.4	612	5.0
		10-vear							L	203	4.0 4 Q	612	5.0
		25-year								242	4.9	612	5.0
		50-year								272	4.9	612	5.0
		100-year								310	4.8	612	5.0
LRCL0810	RCL0810A	2-year	Rectangular	3.5	6	80.9	910.32	909.88	0.544	125	8.6	176	8.4
		5-year								174	10.2	176	8.4
		10-year								203	11.1	176	8.4
		25-year								242	11.6	176	8.4
		50-year								272	12.2	176	8.4
		100-year								310	14.1	176	8.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCI 0810	RCI 0810B	2-vear	Trapezoidal	1	30	80.9	916.00	915 92	0 100	0	0.0	96	32
LINGLOOID	ROLOGIOD	5-vear	Trapozolaal			00.0	010.00	010.02	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LRCL0811	LRCL0811	2-year	Trapezoidal	5.5	5	77.3	911.15	910.32	1.073	125	6.8	1015	10.6
		5-year								174	6.0	1015	10.6
		10-year								203	6.2	1015	10.6
		25-year								242	6.2	1015	10.6
		100-year								310	6.2	1015	10.6
L RCI 0812	RCI 0812A	2-vear	Rectangular	3.5	6	47.0	911 54	911 15	0 829	125	10.1	217	10.3
2.10200.12		5-year	rtootarigutai	0.0			011101	01110	0.020	174	11.7	217	10.3
		10-year								203	12.5	217	10.3
		25-year								242	13.2	217	10.3
		50-year								272	13.1	217	10.3
		100-year								310	13.9	217	10.3
LRCL0812	RCL0812B	2-year	Trapezoidal	1	30	47.0	916.00	915.95	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
L RCI 0813	L R CL 0813	2-vear	Tranezoidal	6	2	60.5	911 90	911 54	0 595	113	5.3	1102	8.0
EROE0013	EROE0013	5-vear	Trapezoidai	0	2	00.0	511.50	511.54	0.000	113	5.5	1102	8.0
		10-year								181	5.6	1102	8.0
		25-year								216	5.7	1102	8.0
		50-year								245	5.7	1102	8.0
		100-year								276	5.7	1102	8.0
LRCL0814	LRCL0814	2-year	Trapezoidal	5	2	129.6	913.31	911.90	1.088	90	4.6	937	9.6
		5-year								127	5.0	937	9.6
		10-year								149	5.2	937	9.6
		25-year								178	5.4	937	9.6
		100-year								200	5.6	937	9.0
L RCI 0815	RCI 0815A	2-vear	Rectangular	3	5	128.5	913 50	913 31	0 148	63	6.1	59	3.9
211020010		5-vear	rtootarigutai			12010	0.000	0.0.01		90	7.4	59	3.9
		10-year								104	7.7	59	3.9
		25-year								127	8.7	59	3.9
		50-year								145	9.8	59	3.9
		100-year								163	11.2	59	3.9
LRCL0815	RCL0815B	2-year	Trapezoidal	1	30	128.5	918.77	918.64	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		∠o-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LRCL0817	LRCL0817	2-vear	Natural	4	8	206.0	917.36	913.50	1.874	2	0.2	3976	11.4
		5-year						2.5.00		3	0.2	3976	11.4
		10-year								4	0.2	3976	11.4
		25-year								4	0.2	3976	11.4
		50-year								5	0.2	3976	11.4
		100-year								5	0.2	3976	11.4
LRCL0818	8484.1	2-year	Circular	4	0	42.1	917.40	917.36	0.095	1	3.3	41	3.3
		5-year								2	3.3	41	3.3
		10-year								2	3.5	41	3.3
		50-year								2	3.8	41 	 3.3 3.3
		100-year									4.2	41	3.3
													0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L RCL 0818	8484 2	2-vear	Trapezoidal	1	30	42 1	922.00	921 96	0 100	0	0.0	94	31
LINGLOOID	0101.2	5-vear	Tapozoidai	•		12.1	022.00	021.00	0.100	0	0.0	94	3.1
		10-year								0	0.0	94	3.1
		25-year								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LRCL0821	RCL0821A	2-year	Circular	3	0	52.8	913.39	913.31	0.151	27	5.4	24	3.4
		5-year								37	6.3	24	3.4
		10-year								45	7.1	24	3.4
		25-year								51	7.6	24	3.4
		50-year								54	8.1	24	3.4
		2 voor	Tranazaidal	1	20	52.9	019 60	019.64	0.100	00	9.3	24	3.4
LKCL0021	KGL062TB	2-year	Паредониа			52.0	910.09	910.04	0.100	0	0.0	94	3.1
		10-vear								0	0.0	94	3.1
		25-vear								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LRCL08A01	LRCL08A01	2-year	Natural	11	0	41.0	903.90	902.65	3.047	70	3.8	161855	26.4
		5-year								143	1.0	161855	26.4
		10-year								183	1.0	161855	26.4
		25-year								231	1.1	161855	26.4
		50-year								267	1.1	161855	26.4
		100-year								318	3.3	161855	26.4
LRCL08A02	LRCL08A02	2-year	Natural	5	0	1453.0	915.00	903.90	0.764	51	0.5	20147	9.7
		5-year								63	0.4	20147	9.7
		10-year								/1	0.4	20147	9.7
		25-year								00	0.4	20147	9.7
		100-year								118	0.4	20147	9.7
	8011.1	2-vear	Special	4	4	286.2	915 76	915.00	0.266	27	7.0	20147	4.5
EROEGOAGO	0011.1	5-vear	opeciai			200.2	515.70	313.00	0.200	33	7.8	33	4.5
		10-year								35	8.2	33	4.5
		25-year								36	8.4	33	4.5
		50-year								37	8.6	33	4.5
		100-year								38	8.8	33	4.5
LRCL08A03	8011.2	2-year	Trapezoidal	1	30	286.2	919.76	919.47	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								5	1.1	96	3.2
-	-	25-year								21	2.0	96	3.2
		50-year								34	2.5	96	3.2
	0000 1	100-year	0			70 -	046.45	045 75	0.545	52	3.0	96	3.2
LRCL08A04	8639.1	2-year	Special	4	4	79.9	916.17	915.76	0.513	27	4.3	46	6.2
		10-year								33	4.4	46	6.2
		25-vear								39	5.2	46 ⊿6	6.2 6.2
		50-vear								54	7.2	46	6.2
		100-vear								64	8.6	46	6.2
LRCL08A04	8639.2	2-year	Trapezoidal	3	30	79.9	922.00	919.76	2.805	0	0.0	2947	32.7
		5-year								0	0.0	2947	32.7
		10-year								0	0.0	2947	32.7
		25-year								0	0.0	2947	32.7
		50-year								0	0.0	2947	32.7
		100-year								0	0.0	2947	32.7
LRCL08A05	8638.1	2-year	Rectangular	3	5	50.1	916.42	916.17	0.499	55	6.4	108	7.2
		5-year								65	6.5	108	7.2
		10-year								78	6.6	108	7.2
		25-year								94	6.6	108	7.2
		50-year								108	7.2	108	7.2
		100-year								127	8.5	108	7.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8638.2	2-vear	Circular	1	30	50.1	922 42	922.00	0 838	(····,	0.0	2	30
EROLOOAGO	0000.2	5-vear	Oncular			50.1	522.42	522.00	0.000	0	0.0	3	3.9
		10-year								0	0.0	3	3.9
		25-year								0	0.0	3	3.9
		50-year								0	0.0	3	3.9
		100-year								0	0.0	3	3.9
LRCL08A06	LRCL08A06	2-year	Trapezoidal	6	8	290.5	924.35	916.42	2.729	22	1.2	15432	37.8
		5-year								30	1.3	15432	37.8
		10-year								33	1.3	15432	37.8
		25-year								36	1.3	15432	37.8
		50-year								45	1.3	15432	37.8
		2 voor	Circular	2.67	0	20 7	024.60	024.25	0.646	20	1.2	10432	37.0
LKCLUGAUT	KCL08A07A	2-year 5-year	Circular	2.07	0	30.7	924.00	924.35	0.040	30	9.7	21	3.8
		10-vear								33	10.1	21	3.8
		25-vear								36	10.1	21	3.8
		50-year								38	11.4	21	3.8
		100-year								40	11.7	21	3.8
LRCL08A07	RCL08A07B	2-year	Trapezoidal	3	30	38.7	928.00	927.96	0.100	0	0.0	566	6.3
		5-year								0	0.0	566	6.3
		10-year								0	0.0	566	6.3
		25-year								0	0.0	566	6.3
		50-year								9	1.7	566	6.3
		100-year								18	2.2	566	6.3
LRCL08A08	LRCL08A08	2-year	Trapezoidal	4	12	240.0	926.00	924.60	0.583	23	1.1	2078	14.4
		5-year								36	1.2	2078	14.4
		10-year								45	1.3	2078	14.4
		25-year								52	1.3	2078	14.4
		100-year								66	1.4	2078	14.4
		2-vear	Circular	25	0	62.6	928.00	926.00	3 197	23	9.5	40	8.1
LICEUGAUS	ROLUGAUSA	5-year	Circular	2.0	0	02.0	320.00	320.00	5.157	32	10.3	40	8.1
		10-vear								36	10.5	40	8.1
		25-year								41	10.5	40	8.1
		50-year								42	10.6	40	8.1
		100-year								43	10.6	40	8.1
LRCL08A09	RCL08A09B	2-year	Trapezoidal	1	30	62.6	930.00	929.94	0.100	0	0.0	94	3.1
		5-year								1	0.6	94	3.1
		10-year								4	1.1	94	3.1
		25-year								7	1.4	94	3.1
		50-year								10	1.7	94	3.1
	0040.4	100-year	O'muda	-		404 -	007.7	007.00	0.04-	14	1.9	94	3.1
LRCL08B01	8216.1	2-year	Circular	2	0	181.4	907.71	907.68	0.017	4	6.6	3	0.9
		J-year								5	1.1	3	0.9
		25-vear								0 7	1.9	3	0.9
		50-vear								, 9	2.2	3	0.9
		100-vear									2.8		0.9
LRCL08B01	8216.2	2-year	Trapezoidal	1	30	181.4	912.18	912.00	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LRCL08B02	8394.1	2-year	Circular	2	0	172.4	908.33	907.71	0.360	4	2.2	13	4.0
		5-year								5	1.6	13	4.0
		10-year								6	4.0	13	4.0
		25-year								7	2.2	13	4.0
		50-year								8	3.0	13	4.0
		100-year								9	2.8	13	4.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCL08B02	8394.2	2-vear	Tranezoidal	1	30	172.4	914.00	911 38	1 520	0	0.0	376	12.5
LINOLOODOL	0001.2	5-vear	Tapozoidai	•			011.00	011.00	1.020	0	0.0	376	12.5
		10-year								0	0.0	376	12.5
		25-year								0	0.0	376	12.5
		50-year								0	0.0	376	12.5
		100-year								0	0.0	376	12.5
LRCL08B03	8221.1	2-year	Circular	2	0	133.4	911.45	908.33	2.340	4	3.1	32	10.2
		5-year								5	3.2	32	10.2
		10-year								6	3.3	32	10.2
		25-year								7	3.7	32	10.2
		50-year								8	4.0	32	10.2
	0004.0	100-year	Transsidal	4	20	100.4	045 70	014.00	4 075	9	4.6	32	10.2
LKCL08B03	8221.2	Z-year	Trapezoidai	1	30	133.4	915.70	914.00	1.275	0	0.0	344	11.5
		10-vear								0	0.0	344	11.5
		25-vear								0	0.0	344	11.5
		50-vear								0	0.0	344	11.5
		100-year								0	0.0	344	11.5
LRCL08C01	8010.1	2-year	Rectangular	4	6	137.6	912.08	911.54	0.392	31	3.4	180	7.5
		5-year								43	3.7	180	7.5
		10-year								50	3.9	180	7.5
		25-year								60	4.1	180	7.5
		50-year								67	4.2	180	7.5
		100-year								76	4.3	180	7.5
LRCL08C01	8010.2	2-year	Trapezoidal	1	30	137.6	918.72	916.00	1.977	0	0.0	429	14.3
		5-year								0	0.0	429	14.3
		10-year								0	0.0	429	14.3
		25-year								0	0.0	429	14.3
		50-year								0	0.0	429	14.3
	9560 1	2 voor	Special	1	2.5	74.9	012 20	012.09	0.401	21	0.0	429	14.3
LKCL06C02	6509.1	2-year	Special	4	2.5	74.0	912.30	912.00	0.401	43	9.0	41	5.5
		10-vear								51	10.5	41	5.5
		25-year								60	10.8	41	5.5
		50-year								67	11.1	41	5.5
		100-year								76	11.3	41	5.5
LRCL08C02	8569.2	2-year	Trapezoidal	1	30	74.8	916.38	918.72	-3.127	0	0.0	539	18.0
		5-year								0	0.0	539	18.0
		10-year								0	0.0	539	18.0
		25-year								0	0.0	539	18.0
		50-year								0	0.0	539	18.0
		100-year	. · ·				<u></u>			0	0.0	539	18.0
LRCL08C03	8570.1	2-year	Special	4	2.5	260.5	914.88	912.38	0.960	31	8.2	63	8.5
		o-year								43	8.9	63	8.5
		25-year								51	9.1	63	<u>ک</u> ک
		50-vear								67	9.5	63	0.0 8 5
		100-vear								76	10.3	63	8.5
LRCL08C03	8570.2	2-vear	Trapezoidal	1	30	260.5	921 00	916.38	1 774	, <u>,</u> 0	0.0	406	13.5
2.0230000	00.0.2	5-year				200.0	021.00	0.0.00		0	0.0	406	13.5
		10-year								0	0.0	406	13.5
		25-year								0	0.0	406	13.5
		50-year								0	0.0	406	13.5
		100-year								0	0.0	406	13.5
LRCL08C04	RCL08C04A	2-year	Special	4	2.5	106.3	917.77	914.88	2.718	31	10.4	106	14.3
		5-year								43	11.2	106	14.3
		10-year								50	11.5	106	14.3
		25-year								60	11.7	106	14.3
		50-year								67	12.0	106	14.3
		100-year								76	11.9	106	14.3
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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		2.vear	Trapazoidal	4	20	106.2	Q21 77	021 00	0.704	(J. J)	0.0	260	0 7
		∠-year 5-vear	Tapezulual			100.3	321.11	321.00	0.724	0	0.0	260	0.7 8 7
		10-year								0	0.0	260	8.7
		25-year								0	0.0	260	8.7
		50-year								0	0.0	260	8.7
		100-year								0	0.0	260	8.7
LRCL08D01	8009.1	2-year	Special	4.17	4.17	124.0	912.34	911.90	0.355	43	5.7	48	5.5
		5-year								60	7.0	48	5.5
		10-year								70	8.0	48	5.5
		25-year								84	9.5	48	5.5
		50-year								94	10.6	48	5.5
LRCL08D01	8009.2	2-vear	Trapezoidal	1	30	124.0	917.09	916.07	0.823	30	0.0	277	9.2
EROE00D01	0003.2	5-vear	Trapezoidai			124.0	517.05	510.07	0.025	0	0.0	277	9.2
		10-year								0	0.0	277	9.2
		25-year								0	0.0	277	9.2
		50-year								0	0.0	277	9.2
		100-year								16	3.0	277	9.2
LRCL08D02	8220.1	2-year	Circular	2	0	73.3	913.31	912.34	1.323	43	13.5	24	7.7
		5-year								45	14.0	24	7.7
		10-year								45	13.9	24	7.7
		25-year								44	13.7	24	7.7
		50-year								44	13.6	24	7.7
		100-year								43	13.4	24	7.7
LRCL08D02	8220.2	2-year	Irapezoidal	1	30	73.3	917.64	917.09	0.750	0	0.0	264	8.8
		5-year								18	3.1	264	8.8
		25-vear								50	4.6	204	8.8
		50-vear								65	5.1	264	8.8
		100-year								83	5.6	264	8.8
LRCL08D03	8219.1	2-year	Circular	2	0	18.9	914.03	913.31	3.801	42	13.2	41	13.0
		5-year								41	13.0	41	13.0
		10-year								41	12.9	41	13.0
		25-year								41	12.9	41	13.0
		50-year								40	12.8	41	13.0
		100-year								40	12.7	41	13.0
LRCL08D03	8219.2	2-year	Trapezoidal	1	30	18.9	917.86	917.64	1.162	5	2.2	329	11.0
		5-year								34	4.5	329	11.0
		10-year								45	5.1	329	11.0
		∠5-year								50	5.6	329	11.0
		100-year								/1 85	5.8 6.1	329	11.0
	8218 1	2-vear	Circular	2	0	11 2	91 <i>4</i> 17	914 02	0 317	20 20	11 /	329	11.U 3.Q
	0210.1	5-year		2	0	44.2	514.17	514.03	0.017	.36	11.4	12	3.8
		10-year								35	11.2	12	3.8
		25-year								35	11.0	12	3.8
		50-year								34	10.9	12	3.8
		100-year								34	10.9	12	3.8
LRCL08D04	8218.2	2-year	Trapezoidal	1	30	44.2	918.00	917.86	0.317	24	2.8	172	5.7
		5-year								42	3.4	172	5.7
		10-year								52	3.7	172	5.7
		25-year								65	4.0	172	5.7
		50-year								74	4.2	172	5.7
		100-year								87	4.5	172	5.7
LRCL08D05	8217.1	2-year	Circular	2	0	308.2	915.51	914.17	0.435	19	6.5	14	4.4
		5-year								19	6.5	14	4.4
		25-year								19	6.5 6 F	14	4.4
		20-year								19	0.0	14	4.4
		100-year								19	6.5	14	4.4
	1	.00 you	1							13	0.0	.4	4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	8217.2	2-vear	Trapazoidal	2	30	308.2	018 18	918.00	0.058	34	23	225	37
EROE00D00	0217.2	5-vear	Trapezoidai	2		500.2	510.10	510.00	0.000	51	2.3	225	3.7
		10-year								61	3.0	225	3.7
		25-year								74	3.2	225	3.7
		50-year								84	3.4	225	3.7
		100-year								96	3.6	225	3.7
LRCL1001	LRCL1001	2-year	Natural	10	0	807.4	915.58	907.50	1.001	182	1.5	119790	14.9
		5-year								272	1.5	119790	14.9
		10-year								327	1.5	119790	14.9
		25-year								401	1.4	119790	14.9
		50-year								456	1.4	119790	14.9
	L PCI 1101	2 voor	Natural	10	0	2722.0	028.00	015.00	0.945	520 120	1.4	102271	14.9
LKCLIIUI	LKCLIIUI	2-year 5-year	Indiurai	10	0	2122.9	938.00	915.00	0.045	222	2.2	102271	14.0
		10-vear								274	2.1	102271	14.0
		25-vear								343	2.5	102271	14.0
		50-year								397	2.6	102271	14.0
		100-year								471	2.6	102271	14.0
LRCL1201	LRCL1201	2-year	Natural	12	0	587.1	918.00	916.50	0.255	291	1.5	41938	7.4
		5-year								431	1.3	41938	7.4
		10-year								521	1.2	41938	7.4
		25-year								633	1.1	41938	7.4
		50-year								712	1.0	41938	7.4
		100-year								843	0.9	41938	7.4
LRCL1202	LRCL1202	2-year	Natural	10	0	2002.6	930.00	918.00	0.599	185	2.2	30483	11.5
		5-year								281	2.5	30483	11.5
		10-year								341	2.6	30483	11.5
		25-year								424	2.7	30483	11.5
		100-year								400 572	2.7	30463	11.5
L RCI 1203	L RCI 1203	2-vear	Natural	10	0	2722.2	946 61	930.00	0.610	260	1.4	91364	13.3
EROET200	EROETZOS	5-vear	Naturai	10	0	2122.2	540.01	330.00	0.010	369	1.5	91364	13.3
		10-year								435	1.6	91364	13.3
		25-year								523	1.6	91364	13.3
		50-year								588	1.7	91364	13.3
		100-year								675	1.8	91364	13.3
LRCL1300	LRCL1300	2-year	Natural	10	0	1000.0	922.15	918.00	0.415	552	2.2	44713	10.6
		5-year								1016	2.7	44713	10.6
		10-year								1305	3.0	44713	10.6
		25-year								1706	3.3	44713	10.6
		50-year								2023	3.5	44713	10.6
		100-year	Natural	4.0		4057 -	000.00	000.45	0.445	2438	3.7	44713	10.6
LRGL1301	LKGL1301	∠-year	INATURA	10	0	4057.7	939.00	922.15	0.415	4/2	2.6	70062	10.1
		10-vear								1152	3.1	70062	10.1
		25-vear								1530	3.4	70062	10.1
		50-vear								1841	3.9	70062	10.1
		100-year								2245	4.1	70062	10.1
LRCL1302	LRCL1302	2-year	Natural	13	0	2557.4	950.00	939.00	0.430	188	2.7	84153	10.6
		5-year								385	3.2	84153	10.6
		10-year								519	3.5	84153	10.6
		25-year								704	3.7	84153	10.6
		50-year								854	3.9	84153	10.6
		100-year								1049	4.1	84153	10.6
LRCL1303	LRCL1303	2-year	Natural	20	0	1326.8	960.00	950.00	0.754	206	1.2	273046	18.7
		5-year								357	1.4	273046	18.7
		10-year								454	1.5	273046	18.7
		25-year								589	1.7	273046	18.7
		50-year								692	1.8	273046	18.7
		100-year								831	1.9	273046	18.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2.vear	Natural	10		2252.0	950.00	030 00	0.400	170	رجم، م	80669	11 5
LINGE 13AUT	LINGLIGAUI	∠-year 5-vear	INALUIAI	12	0	2200.8	900.00	333.00	0.408	305	2.4	80000	11.5
		10-year								391	3.0	80668	11.5
		25-year								510	3.2	80668	11.5
		50-year								600	3.3	80668	11.5
		100-year								720	3.5	80668	11.5
LRCL1400	LRCL1400	2-year	Natural	12	0	1000.0	926.46	921.00	0.546	403	2.2	138382	13.7
		5-year								614	2.3	138382	13.7
		10-year								756	2.3	138382	13.7
		25-year								947	2.3	138382	13.7
		50-year								1085	2.3	138382	13.7
	L BCI 1401	2 voor	Natural	12	0	2111.0	028.00	026.46	0.546	1200	2.3	130302	13.7
LKCL1401	LKCL1401	2-year 5-year	Indiuidi	12	0	2111.9	938.00	920.40	0.540	548	2.5	172980	12.7
		10-vear								672	3.0	172980	12.7
		25-year								845	3.1	172980	12.7
		50-year								980	3.3	172980	12.7
		100-year								1157	3.4	172980	12.7
LRCL1402	LRCL1402	2-year	Natural	12	0	1428.5	940.00	938.00	0.140	252	1.6	66469	6.1
		5-year								412	1.9	66469	6.1
		10-year								508	2.0	66469	6.1
		25-year								639	2.1	66469	6.1
		50-year								738	2.2	66469	6.1
		100-year								873	2.3	66469	6.1
LRCL1501	LRCL1501	2-year	Natural	10	0	3017.4	940.00	923.53	0.546	226	3.8	8602	12.7
		5-year								326	4.1	8602	12.7
		10-year								385	4.3	8602	12.7
		20-year								405 504	4.5	8602	12.7
		100-year								524 602	4.0 4.8	8602	12.7
L RCI 1601	L RCI 1601	2-vear	Natural	12	0	1865 7	937 17	932.00	0 277	775		107754	7 0
ERGEIGOT	LICEIOUI	5-year		12	0	1000.7	001.11	002.00	5.211	1214	2.9	107754	7.9
		10-year								1487	3.0	107754	7.9
		25-year								1859	3.2	107754	7.9
		50-year								1954	3.0	107754	7.9
		100-year								2304	3.0	107754	7.9
LRCL1602	LRCL1602	2-year	Natural	10	0	1416.4	940.00	937.17	0.200	387	1.7	45272	6.6
		5-year								591	2.0	45272	6.6
		10-year								714	2.2	45272	6.6
		25-year								888	2.3	45272	6.6
		50-year								1018	2.1	45272	6.6
		100-year	Netural	4.0		0507 4	054.00	0.40.00	0.000	1187	2.2	45272	6.6
LKCL1603	LKCL1603	∠-year	INATURA	10	0	3567.4	954.00	940.00	0.392	305	1.7	119848	8.9
		10-vear								404	1.8	119848	0.9 0 0
		25-vear								679	1.9	119048	0.9 8 Q
		50-year								773	2.0	119848	8.9
		100-year								897	2.1	119848	8.9
LRCL1604	LRCL1604	2-year	Natural	15	0	2654.6	966.72	954.00	0.479	181	2.9	71432	12.7
		5-year								266	3.2	71432	12.7
		10-year								318	3.4	71432	12.7
		25-year								388	3.6	71432	12.7
		50-year								441	3.7	71432	12.7
		100-year								510	3.9	71432	12.7
LRCL16A00	LRCL16A00	2-year	Natural	12	0	896.0	938.63	937.17	0.163	180	1.7	82118	6.1
		5-year								288	2.0	82118	6.1
		10-year								345	2.1	82118	6.1
		25-year								419	2.2	82118	6.1
		50-year								514	1.9	82118	6.1
		100-year								621	1.9	82118	6.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCI 16A01	LRCI 16A01	2-year	Natural	12	· · /	4868 5	960.00	938 63	0 439	123	13	164395	10.8
ERGEIGRO	ERGETOR	5-vear	i tatarai	12		1000.0	000.00	000.00	0.100	120	1.3	164395	10.8
		10-year								229	1.4	164395	10.8
		25-year								287	1.4	164395	10.8
		50-year								330	1.4	164395	10.8
		100-year								385	1.5	164395	10.8
LRCL1701	LRCL1701	2-year	Natural	12	0	3961.1	950.00	938.00	0.303	301	1.2	92670	9.0
		5-year								458	1.3	92670	9.0
		10-year								609	1.2	92670	9.0
		25-year								745	1.1	92670	9.0
		50-year								850	1.1	92670	9.0
		100-year		40		1150.0		050.00	0.440	994	1.1	92670	9.0
LRCL1702	LRCL1702	2-year	Naturai	16	0	1452.0	956.00	950.00	0.413	207	2.2	247849	11.4
		10 year								200	2.0	247 049	11.4
		25-vear								476	2.7	247849	11.4
		50-vear								547	2.0	247849	11.4
		100-vear								639	3.0	247849	11.4
LRCL1703	LRCL1703	2-vear	Natural	13	0	1226.0	960.69	956.00	0.383	195	1.6	239234	12.2
		5-year								313	1.8	239234	12.2
		10-year								306	1.6	239234	12.2
		25-year								382	1.7	239234	12.2
		50-year								439	1.7	239234	12.2
		100-year								522	1.8	239234	12.2
LRCL1801	LRCL1801	2-year	Natural	10	0	1029.7	954.00	948.00	0.583	182	0.3	64927	14.0
		5-year								273	0.4	64927	14.0
		10-year								328	0.4	64927	14.0
		25-year								401	0.4	64927	14.0
		50-year								456	0.5	64927	14.0
		100-year								529	0.5	64927	14.0
LRCL1901	LRCL1901	2-year	Natural	20	0	1524.2	974.66	960.93	0.901	286	3.3	525958	19.2
		5-year								429	3.5	525958	19.2
		10-year								517	3.5	525958	19.2
		25-year								636	3.6	525958	19.2
		50-year								723	3.7	525958	19.2
		100-year	Matural	45	0	1010 7	070.00	074.00	0.054	840	3.7	525958	19.2
LRCL2001	LRCL2001	2-year	Natural	15	0	1942.7	976.00	971.06	0.254	480	2.4	159572	8.8
		5-year								014	2.0	159572	8.8 0 0
		25-vear								1133	2.7	159572	0.0
		50-vear								1133	2.0	159572	0.0
		100-vear								1339	2.7	159572	8.8
LRCL2002	LRCL2002	2-year	Natural	20	n	2622 4	990 00	976.00	0.534	232	3.9	76289	13.1
2	1.012002	5-year		20	Ŭ		000.00	0.0.00	5.004	357	4.7	76289	13.1
		10-year								430	4.9	76289	13.1
		25-year								529	5.3	76289	13.1
		50-year								619	5.5	76289	13.1
		100-year								723	5.8	76289	13.1
LRCL901	LRCL901	2-year	Natural	20	0	854.1	912.00	904.72	0.852	238	2.0	650262	17.7
		5-year								341	2.0	650262	17.7
		10-year								402	1.9	650262	17.7
		25-year								482	1.8	650262	17.7
		50-year								543	1.7	650262	17.7
		100-year								622	1.7	650262	17.7
LRCMC01	LRCMC01	2-year	Natural	20	0	1662.4	873.76	871.75	0.121	2375	5.7	42622	5.3
		5-year								4136	6.1	42622	5.3
		10-year								5218	6.4	42622	5.3
		∠5-year								6791	6.5	42622	5.3
		50-year								7906	6.5	42622	5.3
		100-year								9511	6.5	42622	5.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LBCMC02	RCMC02A	2-vear	l Iser Defined	0	0	44.0	873.80	873 76	0.091	2370	47	0	37
LITOMOOL	11011100271	5-vear	Cool Donnou			11.0	010.00	010.10	0.001	4131	6.2	0	3.7
		10-year								5207	7.1	0	3.7
		25-year								6786	7.5	0	3.7
		50-year								7893	8.0	0	3.7
		100-year								9496	9.0	0	3.7
LRCMC02	RCMC02B	2-year	Trapezoidal	1	30	44.0	890.00	889.96	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		100-year								0	0.0	92	3.1
LRCMC03	LRCMC03	2-vear	Natural	18	0	50.1	873 84	873.80	0.080	2370	4.3	10966	6.9
LICOMOUS	LICOMOUS	5-vear	Naturai	10	0	50.1	070.04	075.00	0.000	4131	5.2	10966	6.9
		10-year								5206	5.7	10966	6.9
		25-year								6785	6.0	10966	6.9
		50-year								7892	6.4	10966	6.9
		100-year								9495	6.8	10966	6.9
LRCMC04	LRCMC04	2-year	Natural	18	0	261.5	874.54	873.84	0.267	2364	5.5	30384	10.9
		5-year								4149	5.5	30384	10.9
		10-year								5259	5.5	30384	10.9
		25-year								6830	5.5	30384	10.9
		50-year								7939	5.5	30384	10.9
		100-year	-							9573	5.5	30384	10.9
LRCMC05	RCMC05A	2-year	Rectangular	4	6	59.2	874.70	874.54	0.267	169	6.5	150	6.2
		5-year								172	6.7	150	6.2
		25-vear								173	6.7	150	6.2
		50-vear								174	6.8	150	6.2
		100-vear								174	6.8	150	6.2
LRCMC05	RCMC05B	2-vear	Trapezoidal	15	50	59.2	878.70	878.54	0.100	2249	8.2	25883	26.5
		5-year								4089	9.6	25883	26.5
		10-year								5167	10.9	25883	26.5
		25-year								6672	12.8	25883	26.5
		50-year								7740	14.0	25883	26.5
		100-year								9319	15.6	25883	26.5
LRCMC06	LRCMC06	2-year	Natural	16	0	1000.0	877.37	874.70	0.267	2370	3.9	44453	9.9
		5-year								4157	3.9	44453	9.9
		10-year								5263	3.9	44453	9.9
		25-year								7042	4.1	44453	9.9
		100-year								9577	4.2 4 3	44403	9.9 Q Q
LRCMC07	LRCMC07	2-vear	Natural	16	٥	751 4	878 62	877 37	0 166	2373	4 .5	27086	5.5 6.3
LICONOOT	LICOMOUT	5-year		10	0		010.02	011.01	0.100	4154	5.1	27086	6.3
		10-year								5258	5.2	27086	6.3
		25-year								6827	5.4	27086	6.3
		50-year								7934	5.5	27086	6.3
		100-year								9568	5.6	27086	6.3
LRCMC08	LRCMC08	2-year	Natural	14	0	215.2	878.97	878.62	0.163	2370	3.6	34648	6.7
		5-year								4153	3.7	34648	6.7
		10-year								5256	3.7	34648	6.7
		25-year								6822	3.6	34648	6.7
		50-year								7928	3.6	34648	6.7
L D C M C OO		100-year	Notural	40		0.40.0	000 54	070.07	0.400	9562	3.6	34648	6.7
		2-year	เงลเนโลเ	16	0	948.3	000.54	0/0.9/	0.166	2365	5.2	36350	۵.۵ ۹.۵
		10-vear								5244	5.2	36388	0.0 8 6
		25-vear								6807	5.2	36388	8.6
		50-year								7910	5.2	36388	8.6
		100-year								9541	5.2	36388	8.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	18	0	1046.4	882.37	880.54	0.175	2364	35	51705	10.4
LICOMOTO	LICOMOTO	5-vear	Naturai	10	0	1040.4	002.07	000.04	0.175	4142	3.6	51705	10.4
		10-year								5241	3.7	51705	10.4
		25-year								6802	4.1	51705	10.4
		50-year								7904	4.3	51705	10.4
		100-year								9534	4.6	51705	10.4
LRCMC13	RCMC13A	2-year	User Defined	0	0	53.7	882.77	882.37	0.745	2365	8.1	0	10.9
		5-year								4143	10.9	0	10.9
		10-year								5242	12.2	0	10.9
		25-year								6803	13.8	0	10.9
		50-year								7905	14.8	0	10.9
	PCMC12P	2 voor	Tranazaidal	1	20	52.7	002.00	001.05	0.100	9535	10.2	02	10.9
LKCIVIC 13	KCIVIC 13B	2-year 5-year	Паредониан			55.7	902.00	901.95	0.100	0	0.0	93	3.1
		10-vear								0	0.0	93	3.1
		25-vear								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LRCMC14	LRCMC14	2-year	Natural	16	0	388.3	883.93	882.77	0.299	2365	6.1	29996	11.9
		5-year								4143	6.1	29996	11.9
		10-year								5242	6.1	29996	11.9
		25-year								6804	6.2	29996	11.9
		50-year								7905	6.5	29996	11.9
		100-year								9536	6.8	29996	11.9
LRCMC15	LRCMC15	2-year	Natural	30	0	1684.2	885.75	883.93	0.108	2366	4.4	89890	10.8
		5-year								4144	4.9	89890	10.8
		10-year								5244	5.2	89890	10.8
		25-year								7000	5.0	09090	10.0
		100-year								9540	5.0	89890	10.8
LRCMC16	RCMC16A	2-vear	Rectangular	6	6	26.6	885.80	885 75	0 200	25	3.4	217	6.0
LICOMOTO	Romonor	5-vear	Rectarigutar	0	0	20.0	000.00	000.70	0.200	28	3.4	217	6.0
		10-year								31	3.4	217	6.0
		25-year								34	3.4	217	6.0
		50-year								36	3.4	217	6.0
		100-year								39	3.4	217	6.0
LRCMC16	RCMC16B	2-year	Trapezoidal	20	100	26.6	886.72	886.67	0.100	2340	2.9	63238	26.3
		5-year								4117	4.0	63238	26.3
		10-year								5216	4.6	63238	26.3
		25-year								6775	5.4	63238	26.3
		50-year								7875	5.9	63238	26.3
1001017		100-year	Natural	0.0		400 -	007.50	005.00	0.054	9505	6.7	63238	26.3
LRCMC17	LKGMG17	∠-year	INATURA	30	0	480.7	887.50	885.80	0.354	2368	6.0	141156	15.9
		10-vear								5047	0.0	141150	15.9
		25-vear								6809	7 1	141156	15.9
		50-year								7912	7.4	141156	15.9
		100-year								9543	7.6	141156	15.9
LRCMC18	LRCMC18	2-year	Natural	18	0	503.2	890.00	887.50	0.497	2373	7.1	26219	17.0
		5-year								4151	8.2	26219	17.0
		10-year								5249	8.8	26219	17.0
		25-year								6809	9.5	26219	17.0
		50-year								7911	10.0	26219	17.0
		100-year								9540	10.7	26219	17.0
LRCMC19	RCMC19A	2-year	Circular	8	0	65.9	890.33	890.00	0.500	1144	22.9	599	11.9
		5-year								1391	27.1	599	11.9
		10-year								1458	28.9	599	11.9
		∠5-year								1551	30.8	599	11.9
		100-year								1600	31.9	599	11.9
	[roo-year								1690	33.5	599	11.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCMC19	RCMC19B	2-vear	Trapezoidal	<u>я</u>	50	65 9	898 00	897 93	0 100	88	34	5525	11 0
Entomotio		5-vear	Trapozoidai	0		00.0	000.00	007.00	0.100	1370	9.1	5525	11.9
		10-year								2333	10.8	5525	11.9
		25-year								3708	12.4	5525	11.9
		50-year								4691	13.3	5525	11.9
		100-year								6161	14.5	5525	11.9
LRCMC20	LRCMC20	2-year	Natural	18	0	2590.7	893.50	890.33	0.122	2374	3.6	26463	6.8
-		5-year								4154	3.8	26463	6.8
		10-year								5254	3.9	26463	6.8
		25-year								6815	4.0	26463	6.8
		100-year								7916 0547	4.1	26463	6.0 6.8
LRCMC23	RCMC23A	2-vear	Circular	85	0	67.7	893 59	893 50	0 132	630	11.3	20403	3.7
LICOMOZO	TOMO207	5-vear	Oncular	0.0	0	07.7	000.00	000.00	0.102	802	13.7	212	3.7
		10-vear								849	14.6	212	3.7
		25-year								851	14.7	212	3.7
		50-year								858	15.1	212	3.7
		100-year								888	15.6	212	3.7
LRCMC23	RCMC23B	2-year	Trapezoidal	10	50	67.7	900.00	899.93	0.100	860	7.8	7961	13.3
		5-year								2346	10.8	7961	13.3
		10-year								3412	12.1	7961	13.3
		25-year								4897	13.5	7961	13.3
		50-year								5956	14.3	7961	13.3
		100-year								7548	15.3	7961	13.3
LRCMC23	RCMC23C	2-year	Circular	7.833	0	67.7	893.59	893.50	0.132	894	18.2	292	6.1
		5-year								1042	21.2	292	6.1
		10-year								1092	22.6	292	6.1
		50-year								1194	23.9	292	6.1
		100-year								1227	24.3	292	6.1
LRCMC24	LRCMC24	2-vear	Natural	18	0	1301 4	895 30	893 59	0 132	2370	3.2	28889	8.6
	ERGINGET	5-vear	- tatara	10		1001.1	000.00	000.00	0.102	4156	3.8	28889	8.6
		10-year								5262	4.0	28889	8.6
		25-year								6830	4.1	28889	8.6
		50-year								7934	4.2	28889	8.6
		100-year								9577	4.3	28889	8.6
LRCMC25	LRCMC25	2-year	Natural	14.5	0	249.1	895.94	895.30	0.257	2349	3.6	37894	7.9
		5-year								4129	3.7	37894	7.9
		10-year								5235	3.7	37894	7.9
		25-year								6801	3.6	37894	7.9
		50-year								7895	3.6	37894	7.9
L D C M C O C	I DOMO20	100-year	Netural		0	4747.0	000 75	005.04	0.000	9538	3.5	37894	7.9
LKUNU26		∠-year 5-year	ואמנטרמו	14	0	1/1/.9	900.75	oy5.94	0.280	2362	2.4	112015	9.7
		10-veer								5260	2.3	112015	9.7
		25-vear								6835	2.4	112015	9.7
		50-year								7930	2.4	112015	9.7
		100-year								9579	2.5	112015	9.7
LRCMC27	RCMC27A	2-year	Rectangular	10	14	22.1	900.77	900.75	0.090	789	11.3	912	6.5
		5-year	Ŭ Ŭ							1385	16.9	912	6.5
		10-year								1756	20.0	912	6.5
		25-year								2282	24.0	912	6.5
		50-year								2647	26.6	912	6.5
		100-year								3198	30.3	912	6.5
LRCMC27	RCMC27B	2-year	Trapezoidal	10	30	22.1	912.00	911.98	0.100	0	0.0	3162	10.5
		5-year								0	0.0	3162	10.5
		10-year								0	0.0	3162	10.5
		25-year								0	0.0	3162	10.5
		50-year								0	0.0	3162	10.5
		100-year								0	0.0	3162	10.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	1/ 5		615.6	Q01 25	Q00 77	0.004	2267	, , , , , , , , , , , , , , , , , , ,	17196	το το
LICENICZO	LICOMOZO	5-year	Naturai	14.5	0	013.0	301.33	300.77	0.034	4154	3.0	47186	5.8
		10-year								5266	3.2	47186	5.8
		25-year								6844	3.5	47186	5.8
		50-year								7938	3.6	47186	5.8
		100-year								9587	3.8	47186	5.8
LRCMC29	RCMC29A	2-year	User Defined	0	0	35.6	901.38	901.35	0.084	2367	5.3	0	3.7
		5-year								4155	7.4	0	3.7
		10-year								5268	8.5	0	3.7
		25-year								6846	9.8	0	3.7
		100-year								940	10.5	0	3.7
LRCMC29	RCMC29B	2-vear	Trapezoidal	2	30	35.6	914 80	914 76	0 100	0000	0.0	312	5.2
LINGINGES		5-year	Trapozoidar			00.0	011.00	011.70	0.100	0	0.0	312	5.2
		10-year								0	0.0	312	5.2
		25-year								0	0.0	312	5.2
		50-year								0	0.0	312	5.2
		100-year								0	0.0	312	5.2
LRCMC30	LRCMC30	2-year	Natural	14	0	51.4	901.43	901.38	0.097	2367	5.0	7027	2.5
		5-year								4155	6.8	7027	2.5
		10-year								5268	7.7	7027	2.5
		25-year								6846	8.7	7027	2.5
		50-year								7940 9590	9.3	7027	2.5
	PCMC31A	2-vear	Liser Defined	0	0	3/1 3	001.46	001 /3	0.088	9090	5.0	1021	2.5
LICINICST	KCINICSTA	2-year 5-year	User Denneu	0	0	34.3	901.40	901.43	0.000	4155	6.7	0	3.8
		10-vear								5268	7.6	0	3.8
		25-year								6846	8.6	0	3.8
		50-year								7940	9.2	0	3.8
		100-year								9590	10.1	0	3.8
LRCMC31	RCMC31B	2-year	Trapezoidal	2	30	34.3	914.80	914.77	0.100	0	0.0	275	4.6
		5-year								0	0.0	275	4.6
		10-year								0	0.0	275	4.6
		25-year								0	0.0	275	4.6
		50-year								0	0.0	275	4.6
		2-vear	Natural	16	0	212.7	901.66	901.46	0.094	2346	1.3	123674	4.0
LICONICSZ	LICOMOSZ	5-vear	Inatural	10	0	212.1	301.00	301.40	0.034	4121	1.5	123674	6.0
		10-vear								5224	1.5	123674	6.0
		25-year								6789	1.5	123674	6.0
		50-year								7874	1.6	123674	6.0
		100-year								9509	1.6	123674	6.0
LRCMC34	LRCMC34	2-year	Natural	18	0	1949.1	903.60	901.66	0.100	2347	1.6	155911	6.0
		5-year								4124	2.1	155911	6.0
		10-year								5222	2.3	155911	6.0
		25-year								6784	2.5	155911	6.0
		50-year								7868	2.7	155911	6.0
I RCMC25	LRCMC35	2-vear	Natural	17	0	1120 F	901 70	903 60	0 100	2240	2.9	114045	0.U 5.9
		5-year	ivaluidi	17	0	1120.0	304.1Z	303.00	0.100	4111	2.0	114045	5.8
		10-year								5203	3.5	114045	5.8
		25-year								6758	3.8	114045	5.8
		50-year								7840	3.9	114045	5.8
		100-year								9460	4.1	114045	5.8
LRCMC36	LRCMC36	2-year	Natural	16	0	939.4	905.00	904.72	0.030	2347	1.2	90597	4.1
		5-year								4123	1.4	90597	4.1
		10-year								5210	1.5	90597	4.1
		25-year								6767	1.6	90597	4.1
		50-year								7846	1.7	90597	4.1
		100-year								9474	1.8	90597	4.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCMC37	LRCMC37	2-vear	Natural	14	0	1434.8	907 50	905.00	0 174	2343	33	77888	79
Littomoor	Ertomoor	5-vear	- tatara			1101.0	001.00	000.00	0.174	4114	3.8	77888	7.9
		10-year								5198	4.1	77888	7.9
		25-year								6752	4.3	77888	7.9
		50-year								7827	4.5	77888	7.9
		100-year								9448	4.7	77888	7.9
LRCMC38	LRCMC38	2-year	Natural	12	0	1500.0	909.00	907.50	0.100	2307	2.7	45319	5.5
		5-year								4064	3.1	45319	5.5
		10-year								5137	3.3	45319	5.5
		25-year								6675	3.6	45319	5.5
		50-year								7737	3.7	45319	5.5
		100-year								9339	3.9	45319	5.5
LRCMC39	LRCMC39	2-year	Natural	19	0	2230.4	913.00	909.00	0.179	2304	2.7	265043	8.8
		5-year								4053	3.1	265043	8.8
		10-year								5110	3.3	265043	0.8
		20-year								7608	3.5	265043	0.0
		100-vear								9288	3.6	265043	8.8
LRCMC40	LRCMC40	2-vear	Natural	16	0	1501 5	915.00	913.00	0 133	2267	1.8	229978	7 8
		5-year	. 10.0101	10			515.00	515.00	0.100	4018	22	229978	7.8
		10-vear								5073	2.3	229978	7.8
		25-vear								6597	2.5	229978	7.8
		50-year								7637	2.6	229978	7.8
		100-year								9245	2.7	229978	7.8
LRCMC41	LRCMC41	2-year	Natural	15	0	1543.0	916.50	915.00	0.097	2262	5.3	57821	4.7
		5-year								4014	5.4	57821	4.7
		10-year								5066	5.3	57821	4.7
		25-year								6593	5.3	57821	4.7
		50-year								7626	5.3	57821	4.7
		100-year								9240	5.3	57821	4.7
LRCMC42	LRCMC42	2-year	Natural	13	0	1500.0	918.00	916.50	0.100	2144	1.1	106655	6.0
		5-year								3771	1.2	106655	6.0
		10-year								4764	1.2	106655	6.0
		25-year								6202	1.2	106655	6.0
		50-year								7134	1.2	106655	6.0
		100-year								8634	1.3	106655	6.0
LRCMC43	LRCMC43	2-year	Natural	10	0	2364.7	921.00	918.00	0.127	2042	2.9	34144	5.5
		5-year								3603	3.4	34144	5.5
		10-year								4611	3.7	34144	5.5
		25-year								5954 6942	4.0	34144	5.5
		100-vear								8281	4.1	34144	5.5
LBCMC44	LRCMC44	2-vear	Natural	16	0	1651 0	923 53	921 00	0 153	1066	4.3	113728	5.5 6.3
2.00044	21001044	5-year		10		.001.9	520.00	521.00	0.100	3476	4.4	113728	6.3
		10-vear								4457	4.7	113728	6.3
		25-year								5745	4.9	113728	6.3
		50-year								6596	5.1	113728	6.3
		100-year								7979	5.3	113728	6.3
LRCMC45	LRCMC45	2-year	Natural	15	0	1251.9	925.44	923.53	0.153	1970	1.5	171646	8.3
		5-year								3484	1.8	171646	8.3
		10-year								4472	1.9	171646	8.3
		25-year								5756	2.0	171646	8.3
		50-year								6589	2.1	171646	8.3
		100-year								7979	2.2	171646	8.3
LRCMC46	LRCMC46	2-year	Natural	13	0	1672.5	928.00	925.44	0.153	1950	2.8	97895	6.9
		5-year								3457	3.2	97895	6.9
		10-year								4441	3.4	97895	6.9
		25-year								5704	3.7	97895	6.9
		50-year								6524	3.8	97895	6.9
		100-year								7898	4.0	97895	6.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	20	(- ,	10/18 2	032.00	928.00	0.205	1991	20	3/1010	10.1
	LICOMOTI	5-vear	Indulai	20	0	1340.2	332.00	520.00	0.200	3362	3.3	341212	10.1
		10-year								4330	3.5	341212	10.1
		25-year								5563	3.7	341212	10.1
		50-year								6351	3.8	341212	10.1
		100-year								7701	4.1	341212	10.1
LRCMC48	LRCMC48	2-year	Natural	13	0	2200.2	938.00	932.00	0.273	1349	3.7	90280	8.0
		5-year								2414	4.0	90280	8.0
		10-year								3104	4.2	90280	8.0
		25-year								4005	4.3	90280	8.0
		100-year								5640	4.4	90280	8.0
LRCMC49	LRCMC49	2-vear	Natural	21	0	1337.0	940.00	938.00	0 150	1376	1.8	313858	8.2
	Littomotio	5-vear	i tatarai	21		1007.0	010.00	000.00	0.100	2291	2.0	313858	8.2
		10-year								2896	2.1	313858	8.2
		25-year								3698	2.2	313858	8.2
		50-year								4192	2.3	313858	8.2
		100-year								5039	2.4	313858	8.2
LRCMC50	LRCMC50	2-year	Natural	20	0	3736.0	946.00	940.00	0.161	1475	2.2	448377	9.2
		5-year								2440	2.5	448377	9.2
		10-year								3042	2.6	448377	9.2
		25-year								3851	2.8	448377	9.2
		50-year								5165	2.9	448377	9.2
LRCMC51	LRCMC51	2-vear	Natural	13	0	1951.2	948.00	946.00	0 103	1308	2.0	440377	9.2
ERCINCST	ERCINCST	5-year	Inatural	15	0	1551.2	340.00	340.00	0.105	2166	3.2	47509	5.2
		10-year								2695	3.4	47509	5.2
		25-year								3429	3.5	47509	5.2
		50-year								3845	3.6	47509	5.2
		100-year								4590	3.7	47509	5.2
LRCMC52	LRCMC52	2-year	Natural	10	0	1080.4	952.00	948.00	0.370	1122	3.3	28683	8.6
		5-year								1858	3.4	28683	8.6
		10-year								2316	3.5	28683	8.6
		25-year								2958	3.7	28683	8.6
		50-year								3290	3.7	28683	0.0 8.6
LRCMC53	LRCMC53	2-vear	Natural	10	0	1582.8	960.93	952.00	0 564	970	5.3	26471	8.9
ERCINCSS	LICOMOSS	5-year	Inatural	10	0	1302.0	300.33	332.00	0.304	1611	5.9	26471	8.9
		10-year								2000	6.2	26471	8.9
		25-year								2561	6.6	26471	8.9
		50-year								2840	6.4	26471	8.9
		100-year								3400	6.8	26471	8.9
LRCMC54	LRCMC54	2-year	Natural	10	0	2092.7	971.06	960.93	0.484	850	4.3	40477	7.8
		5-year								1403	4.7	40477	7.8
		10-year								1721	4.9	40477	7.8
		25-year								2196	5.2	40477	7.8
		100-year								2425	4.9 5 1	40477	۲.8 ۲ ۶
I RCMC55	LRCMC55	2-vear	Natural	15	n	2936 7	976 00	971 06	0 168	551	1.6	130380	7.0
		5-year		13	0	2000.7	570.00	571.00	0.100	919	1.8	130380	7.6
		10-year								1107	1.8	130380	7.6
		25-year								1421	2.0	130380	7.6
		50-year								1658	2.1	130380	7.6
		100-year								1974	2.2	130380	7.6
LRCMC56	LRCMC56	2-year	Natural	13	0	2083.0	979.00	976.00	0.144	487	2.3	33556	7.1
		5-year								780	2.7	33556	7.1
		10-year								917	2.8	33556	7.1
		25-year								1154	3.0	33556	7.1
		100-year								1341	3.1 २२	33556	7.1
	l	i uu-yeai	l							1000	3.3	33550	1.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LRCMC57	LRCMC57	2-vear	Natural	20	0	3009.5	994.00	979.00	0 498	365	30	115012	16.6
Littomoor	Littomoor	5-vear	- tatara	20		0000.0	001.00	010.00	0.100	562	3.3	115012	16.6
		10-year								624	3.4	115012	16.6
		25-year								772	3.6	115012	16.6
		50-year								888	3.7	115012	16.6
		100-year								1038	3.9	115012	16.6
LRCMC58	LRCMC58	2-year	Natural	14	0	1952.7	1008.00	994.00	0.717	286	3.5	93620	16.1
		5-year								424	3.8	93620	16.1
		10-year								440	3.4	93620	16.1
		25-year								537	3.6	93620	16.1
		100-year								709	3.0	93620	16.1
LSCI 101	LSCI 101	2-vear	Natural	4	6	85.0	903.43	902 36	1 258	81	7.5	425	6.4
LOOLINI	LOOLIUI	5-vear	Naturai	-	0	00.0	500.45	302.30	1.200	118	8.4	425	6.4
		10-vear								140	8.9	425	6.4
		25-year								169	9.3	425	6.4
		50-year								192	9.3	425	6.4
		100-year								220	9.4	425	6.4
LSCL102	LSCL102	2-year	Natural	4.5	6	18.3	903.91	903.43	2.630	48	2.5	1279	11.0
		5-year								69	2.8	1279	11.0
		10-year								82	3.0	1279	11.0
		25-year								99	3.3	1279	11.0
		50-year								112	3.4	1279	11.0
		100-year								128	3.4	1279	11.0
LSCL103	8362.1	2-year	Circular	3	0	189.6	904.26	903.91	0.185	48	8.0	27	3.8
		5-year								69	10.9	27	3.8
		10-year								82	12.5	27	3.8
		50-year								88	13.1	27	3.0
		100-year								88	13.2	27	3.8
LSCI 103	8362.2	2-vear	Trapezoidal	1	30	189.6	910.00	907.00	1 582	0	0.0	384	12.8
LOOLING	0002.2	5-vear	Trapozoidai			100.0	010.00	001.00	1.002	0	0.0	384	12.8
		10-year								0	0.0	384	12.8
		25-year								11	3.2	384	12.8
		50-year								24	4.3	384	12.8
		100-year								42	5.4	384	12.8
LSCL104	8512.1	2-year	Circular	3	0	63.9	908.17	904.26	6.122	38	8.9	153	21.7
		5-year								55	11.3	153	21.7
		10-year								65	11.6	153	21.7
		25-year								78	11.6	153	21.7
		50-year								87	12.1	153	21.7
	9540.0	100-year	Tropozsidal		20	00.0	010.00	010.00	2 4 2 4	100	14.0	153	21.7
LSUL104	δ512.2	∠-year 5-year	rapezoidal	1	30	63.9	912.00	910.00	3.131	0	0.0	540	18.0
		10-veer								0	0.0	540	19.0
		25-vear								0	0.0	540	18.0
		50-year								0	0.0	540	18.0
		100-year								0	0.0	540	18.0
LSCL105	LSCL105	2-year	Trapezoidal	4	10	72.6	908.47	908.17	0.413	38	3.2	340	6.1
		5-year								55	3.6	340	6.1
		10-year								64	3.6	340	6.1
		25-year								78	3.6	340	6.1
		50-year								87	3.6	340	6.1
		100-year								100	3.5	340	6.1
LSCL106	SCL106A	2-year	Circular	2	0	35.6	908.74	908.47	0.758	27	10.7	11	3.4
		5-year								30	10.8	11	3.4
		10-year								31	10.8	11	3.4
		25-year								31	10.8	11	3.4
		50-year								31	10.8	11	3.4
		100-year								31	10.8	11	3.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	SCI 106P	2-vear	Trapezoidal	4	, , 20	35.6	012.00	011.00	0 100	14	10	100	رد م ارد م
LOCETOO	SCETOOD	5-vear	Tapezoidai			55.0	312.00	311.30	0.100	24	2.6	102	3.4
		10-vear								36	3.0	102	3.4
		25-vear								53	3.5	102	3.4
		50-year								65	3.8	102	3.4
		100-year								82	4.2	102	3.4
LSCL107	LSCL107	2-year	Trapezoidal	4	10	27.9	908.94	908.74	0.716	38	0.8	447	8.0
		5-year								55	1.2	447	8.0
		10-year								64	1.3	447	8.0
		25-year								78	1.5	447	8.0
		50-year								87	1.7	447	8.0
		100-year								100	1.9	447	8.0
LSCL108	SCL108A	2-year	Circular	2	0	39.1	909.11	908.94	0.435	20	6.3	8	2.6
		5-year								21	6.6	8	2.6
		10-year								21	6.7	8	2.6
		25-year								21	6.7	8	2.6
		50-year								21	6.8	8	2.6
1.00/ 100		100-year	-				040.01	04		21	6.8	8	2.6
LSCL108	SCL108B	2-year	I rapezoidal	2	30	39.1	912.00	911.96	0.100	30	2.8	298	5.0
		5-year								47	3.3	298	5.0
		10-year								57	3.6	298	5.0
		∠o-year								/1	3.8	298	5.0
		100-year								01	3.9	290	5.0
		2 voor	Tranazaidal	4	10	59.6	000.20	000 11	0 224	94	4.1	290	5.0
LSCL109	LSCLIU9	z-year	Паредонал	4	10	50.0	909.30	909.11	0.324	55	0.9	301	5.4
		10-vear								64	1.2	301	5.4
		25-year								78	1.4	301	5.4
		50-vear								87	1.8	301	5.4
		100-year								100	2.1	301	5.4
LSCL110	SCL110A	2-vear	Circular	2	0	38.4	909.43	909.30	0.339	19	6.1	7	2.3
		5-year								20	6.3	7	2.3
		10-year								20	6.4	7	2.3
		25-year								20	6.4	7	2.3
		50-year								20	6.4	7	2.3
		100-year								20	6.3	7	2.3
LSCL110	SCL110B	2-year	Trapezoidal	2	30	38.4	912.00	911.96	0.100	33	2.4	300	5.0
		5-year								49	2.9	300	5.0
		10-year								59	3.1	300	5.0
		25-year								72	3.3	300	5.0
		50-year								82	3.4	300	5.0
		100-year								95	3.6	300	5.0
LSCL111	LSCL111	2-year	Trapezoidal	4	10	34.2	909.50	909.43	0.204	38	1.0	239	4.3
		5-year								55	1.3	239	4.3
		10-year								64	1.5	239	4.3
		25-year								78	1.8	239	4.3
		50-year								87	2.0	239	4.3
1801440	8014404	100-year	Circular			20.0	000.00	000 50	0.500	100	2.2	239	4.3
LSGL112	SUL112A	∠-year	Circular	2	0	36.3	909.69	909.50	0.523	16	5.1	9	2.8
		5-year								17	5.2	9	2.8
		25-veer								17	5.2	9	2.8 2.0
		50-year								17	5.2 5.2	9	2.0 2 ₽
		100-vear								16	5.2	9 Q	2.0
LSCI 112	SCI 112B	2-vear	Trapezoidal	2	30	36.3	912 00	911 96	0 100	34	23	300	5.1
2002112	0001120	5-year	. Tapozoluai	2		50.5	012.00	511.30	0.100	50	2.3	309	5.1
		10-year								60	2.8	309	5.1
		25-year								73	3.1	309	5.1
		50-year								83	3.2	309	5.1
		100-year								96	3.4	309	5.1

Link Name	Conduit Name	Return	Shane	Diam./ Height (feet)	Bottom Width (feet)	Length	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fns)	Design Full Flow (cfs)	Design Velocity (fps)
		2 100	Troportidal	(1001)			000 77	000.00	(/*)	(3:3)	(641)	070	(193)
LOULIIS	LOULIIS	z-year 5-vear	rrapezoldal	4	10	28.6	303.77	909.69	0.280	38	1.1	279	5.0
		10-vear								64	1.7	279	5.0
		25-year								78	1.9	279	5.0
		50-year								87	2.1	279	5.0
		100-year								100	2.4	279	5.0
LSCL114	SCL114A	2-year	Circular	2	0	38.4	910.07	909.77	0.781	14	4.6	11	3.4
		5-year								14	4.7	11	3.4
		10-year								14	4.7	11	3.4
		25-year								14	4.7	11	3.4
		100-year								14	4.0	11	3.4
LSCI 114	SCI 114B	2-vear	Trapezoidal	2	30	38.4	912.00	911 96	0 100	34	2.1	300	5.4
LOOLINI	GOLITIE	5-vear	Trapozoidai			00.1	012.00	011.00	0.100	51	2.5	300	5.0
		10-year								61	2.7	300	5.0
		25-year								74	2.9	300	5.0
		50-year								84	3.0	300	5.0
		100-year								97	3.2	300	5.0
LSCL115	LSCL115	2-year	Trapezoidal	4	10	118.6	910.76	910.07	0.582	38	1.5	403	7.2
		5-year								55	2.0	403	7.2
		10-year								65	2.2	403	7.2
		25-year								78	2.5	403	7.2
		100-year								101	2.8	403	7.2
LSCI 116	8474 1	2-vear	Circular	2	0	47 7	911.00	910 76	0 503	27	8.7	403	4.7
LOOLING	0474.1	5-vear	Oncolar	2	0	47.7	511.00	510.70	0.000	27	8.9	15	4.7
		10-year								28	9.0	15	4.7
		25-year								28	9.1	15	4.7
		50-year								28	9.1	15	4.7
		100-year								28	9.0	15	4.7
LSCL116	8474.2	2-year	Trapezoidal	2	30	47.7	913.00	912.95	0.100	12	1.8	301	5.0
		5-year								29	2.7	301	5.0
		10-year								39	3.0	301	5.0
		25-year								53	3.4	301	5.0
		100-year								77	3.7	301	5.0
LSCI 1A01	SCI 1A01A	2-vear	Circular	3	0	19.9	906.00	903 43	12 928	33	8.5	130	18.4
2002.0.01	002110111	5-vear	onoului				000.00	000110	.2.020	49	10.7	130	18.4
		10-year								58	11.9	130	18.4
		25-year								71	12.9	130	18.4
		50-year								80	13.5	130	18.4
		100-year								92	14.4	130	18.4
LSCL1A01	SCL1A01B	2-year	Trapezoidal	1	30	19.9	909.00	908.98	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		∠o-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSCL1A02	LSCL1A02	2-vear	Natural	6	10	134.4	906.89	906.00	0.662	33	2.8	7393	7.2
		5-year								49	3.0	7393	7.2
		10-year								58	3.1	7393	7.2
		25-year								71	3.2	7393	7.2
		50-year								80	3.2	7393	7.2
		100-year								93	3.2	7393	7.2
LSCL1A03	8361.1	2-year	Circular	2	0	196.7	907.60	906.89	0.361	22	9.2	13	4.0
		5-year								24	9.3	13	4.0
		10-year								25	9.4	13	4.0
		50-year								20 27	9.4	13	4.0
		100-year								28	9.5	13	4.0
		,00.						1		0	0.0		

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCI 1A03	8361.2	2-vear	Trapezoidal	1	30	196.7	911.60	909.00	1 322	11	30	351	11.7
20021/00	000112	5-vear	Trapozoidai			100.1	011.00	000.00	1.022	25	4.1	351	11.7
		10-year								33	4.6	351	11.7
		25-year								45	5.2	351	11.7
		50-year								53	5.6	351	11.7
		100-year								65	6.0	351	11.7
LSCL1A04	8340.1	2-year	Circular	2	0	26.5	907.90	907.60	1.132	23	7.2	22	7.1
		5-year								23	7.3	22	7.1
		10-year								23	7.4	22	7.1
		25-year								23	7.4	22	7.1
		100-vear								24	7.5	22	7.1
LSCL1A04	8340.2	2-vear	Trapezoidal	1	30	26.5	911.90	911.60	1.132	11	2.8	325	10.8
		5-year								26	4.0	325	10.8
		10-year								35	4.5	325	10.8
		25-year								48	5.1	325	10.8
		50-year								57	5.5	325	10.8
		100-year								69	5.9	325	10.8
LSCL1B01	8511.1	2-year	Circular	2	0	28.7	904.31	904.26	0.174	0	-0.3	9	2.8
		5-year								0	-0.3	9	2.8
		10-year								-1	-0.3	9	2.8
		25-year								4	1.4	9	2.8
		100-year								-5	-1 7	9	2.0
LSCI 1B01	8511.2	2-vear	Trapezoidal	1	30	28.7	910 48	910.00	1 670	0	0.0	394	13.1
2002.201	001112	5-year	riapozoidai			2011	0.01.0	0.0.00		0	0.0	394	13.1
		10-year								0	0.0	394	13.1
		25-year								0	0.0	394	13.1
		50-year								0	0.0	394	13.1
		100-year								0	0.0	394	13.1
LSCL201	8341.1	2-year	Circular	2	0	140.8	907.85	905.45	1.704	14	5.2	27	8.7
		5-year								16	4.9	27	8.7
		10-year								23	7.2	27	8.7
		25-year								24	7.5	27	8.7
		100-year								21	6.6	27	8.7
LSCL201	8341.2	2-vear	Trapezoidal	2	30	140.8	911.85	910.70	0.817	0	0.0	840	14.0
		5-year								6	0.6	840	14.0
		10-year								10	1.5	840	14.0
		25-year								15	1.7	840	14.0
		50-year								20	1.6	840	14.0
L		100-year								25	1.8	840	14.0
LSCL301	8409.1	2-year	Circular	2	0	181.5	909.30	906.66	1.454	11	5.0	25	8.1
		5-year								12	5.3	25	8.1
		10-year								11	5.5	25	8.1
		20-year								11	5.6 5.7	25	۵.1 و ۱
		100-year								14	5.7	25	8.1
LSCL301	8409.2	2-year	Trapezoidal	1	30	181.5	912.30	911.83	0.259	. 1	0.9	155	5.2
		5-year					2.2.00		5.200	11	1.4	155	5.2
		10-year								15	1.6	155	5.2
		25-year								21	1.8	155	5.2
		50-year								25	2.0	155	5.2
		100-year								30	2.1	155	5.2
LSCL401	8533.1	2-year	Special	3	3	183.8	914.36	908.86	2.992	15	4.5	50	12.3
		5-year								21	5.2	50	12.3
		10-year								25	6.1	50	12.3
		20-year								29	7.0 8.0	50	12.3
		100-vear								39	9.3	50	12.3
											0.0	50	12.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCI 401	8533.2	2-vear	Trapazoidal	1	30	183.8	010 11	015 25	2 100	0	0.0	442	14.7
L30L401	0333.2	5-vear	Tapezoidai			105.0	313.11	313.23	2.100	0	0.0	442	14.7
		10-vear								0	0.0	442	14.7
		25-year								0	0.0	442	14.7
		50-year								0	0.0	442	14.7
		100-year								0	0.0	442	14.7
LSCL402	8532.1	2-year	Special	3	3	293.9	916.52	914.36	0.735	15	6.2	25	6.1
		5-year								21	6.5	25	6.1
		10-year								25	6.6	25	6.1
		25-year								29	7.0	25	6.1
		50-year								30	7.2	25	6.1
		100-year								30	7.2	25	6.1
LSCL402	8532.2	2-year	Trapezoidal	1	30	293.9	920.44	919.11	0.452	0	0.0	205	6.8
		5-year								0	0.0	205	6.8
		10-year								0	0.0	205	6.8
		25-year								0	0.0	205	6.8
		50-year								5	1.6	205	6.8
10014004	0010011	100-year	Destars mile	-		07.4	007.00	000 70	0.400	16	2.5	205	6.8
LSCMC01	SCMC01A	2-year	Rectangular	7	7	67.1	887.03	886.70	0.492	203	5.4	530	10.8
		5-year								289	1.2	530	10.8
		25-vear								302 197	0.4	530	10.8
		50-vear								427	9.9	530	10.8
		100-vear								543	11.9	530	10.8
LSCMC01	SCMC01B	2-vear	Trapezoidal	1	30	67 1	894 00	893 93	0 100	0.0	0.0	98	3.3
Loomoor	COMICOTE	5-vear	Trapozoidai			07.1	001.00	000.00	0.100	0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3
LSCMC02	LSCMC02	2-year	Natural	8	10	557.1	891.66	887.03	0.831	86	0.6	9623	10.0
		5-year								128	0.7	9623	10.0
		10-year								155	0.8	9623	10.0
		25-year								190	0.9	9623	10.0
		50-year								218	0.9	9623	10.0
		100-year								252	1.0	9623	10.0
LSCMC03	LSCMC03	2-year	Natural	5	0	1701.4	902.36	891.66	0.629	121	1.9	14109	8.4
		5-year								180	2.0	14109	8.4
		10-year								217	2.1	14109	8.4
		25-year								264	2.1	14109	8.4
		100-year								298	2.2	14109	×.4 م ۱
I SCMC04	I SCMC04	2-vear	Trapezoidal	0	A	24.0	003.36	002.26	1 016	544	2.2	14109	0.4
		5-year	Tapezuluai	2	4	24.9	303.30	302.30	4.010		0.3 Q 3	205	11.0
		10-vear								94	9.3 Q R	200	11.0
		25-year								112	10.4	265	11.0
		50-year								126	10.8	265	11.0
		100-year								143	11.3	265	11.0
LSCMC05	SCMC05A	2-year	Circular	4	0	31.3	903.85	903.36	1.568	54	11.6	97	7.8
		5-year								79	13.5	97	7.8
		10-year								94	14.5	97	7.8
		25-year								112	15.6	97	7.8
		50-year								126	16.3	97	7.8
		100-year								143	17.2	97	7.8
LSCMC05	SCMC05B	2-year	Trapezoidal	1	30	31.3	908.00	907.97	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-veor	Natural			100.0	004.60	002.05	0.156	(0.0)		16220	
LOCIVICUD		∠-year 5-vear	i valul di	8	4	400.8	504.00	303.00	0.100	03 QR	0.0	16338	5.5
		10-year								116	0.6	16338	5.5
		25-year								137	0.6	16338	5.5
		50-year								153	0.6	16338	5.5
		100-year								178	0.6	16338	5.5
LSCMC07	8520.1	2-year	Special	2.83	2.83	163.3	905.45	904.60	0.520	39	12.8	16	4.8
		5-year								42	13.1	16	4.8
		10-year								42	13.2	16	4.8
		25-year								42	13.3	16	4.8
		100-year								43	13.3	16	4.0
LSCMC07	8520.2	2-vear	Trapezoidal	2	30	163.3	910 70	910.00	0 429	45	37	609	10.1
LOOMOON	0320.2	5-vear	Trapezoidai	2		100.0	510.70	510.00	0.425	95	5.0	609	10.1
		10-year								123	5.5	609	10.1
		25-year								154	6.0	609	10.1
		50-year								178	6.4	609	10.1
		100-year								214	6.8	609	10.1
LSCMC08	8526.1	2-year	Special	2.83	2.83	183.8	906.06	905.45	0.332	21	6.4	13	3.8
		5-year								25	7.5	13	3.8
		10-year								21	6.4	13	3.8
		25-year								28	8.4	13	3.8
		50-year								28	8.3	13	3.8
L SCMC08	9526.2	100-year	Tranazaidal	2	20	102.0	011 56	000 70	1 012	20	7.8	13	3.8
LSCIVICUO	0320.2	z-year	Паредонал	3		103.0	911.50	909.70	1.012	103	2.2	1770	19.7
		10-vear								105	3.4	1770	19.7
		25-year								152	4.3	1770	19.7
		50-year								173	4.6	1770	19.7
		100-year								204	5.0	1770	19.7
LSCMC09	8527.1	2-year	Special	2.83	2.83	31.5	906.66	906.06	1.907	34	10.3	30	9.1
		5-year								34	10.3	30	9.1
		10-year								34	10.3	30	9.1
		25-year								34	10.3	30	9.1
		50-year								34	10.3	30	9.1
L SCMC00	9507.0	100-year	Tranazaidal	1	20	21 E	011 02	011 56	0.959	34	10.3	30	9.1
LSCIVICU9	0327.2	z-year	Паредонал	1		31.5	911.03	911.50	0.000	21	2.0	200	9.4
		10-vear								72	4.2	283	9.4
		25-year								90	5.1	283	9.4
		50-year								105	5.5	283	9.4
		100-year								128	6.0	283	9.4
LSCMC10	8528.1	2-year	Special	3.33	3.33	173.8	907.68	906.66	0.587	40	7.7	30	5.9
		5-year								45	8.7	30	5.9
		10-year								45	8.7	30	5.9
		25-year								45	8.7	30	5.9
		50-year								45	8.7	30	5.9
	9509.0	2 voor	Tranazaidal	4	20	172.0	014.05	011 00	1 202	45	<u>ک</u> ./	30	5.9
LOCIVICIU	0028.2	2-year	rrapezoidal	1	30	1/3.8	914.25	911.03	1.392	0	0.0	360	12.0
		10-year								35	3.4	360	12.0
		25-year								48	4.0	360	12.0
		50-year								60	4.4	360	12.0
		100-year								78	5.0	360	12.0
LSCMC11	8529.1	2-year	Special	3.33	3.33	58.4	908.02	907.68	0.582	40	7.7	30	5.8
		5-year								42	8.2	30	5.8
		10-year								42	8.1	30	5.8
		25-year								41	8.0	30	5.8
		50-year								43	8.3	30	5.8
		100-year								41	8.0	30	5.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCMC11	8529.2	2-year	Trapezoidal	1	30	58.4	914.54	914.25	0.497	0	0.0	215	7.2
		5-year								33	3.4	215	7.2
		10-year								45	3.9	215	7.2
		25-year								58	4.3	215	7.2
		50-year								69	4.6	215	7.2
LSCMC12	8530.1	2-vear	Special	3 33	3 33	126.7	008 76	008 02	0.584	34	5.0	215	7.2
LOCIVICIZ	0000.1	5-vear	Opecial	5.55	5.55	120.7	300.70	300.02	0.004	34	7.0	30	5.9
		10-year								35	7.0	30	5.9
		25-year								35	7.0	30	5.9
		50-year								35	7.0	30	5.9
		100-year								36	7.1	30	5.9
LSCMC12	8530.2	2-year	Trapezoidal	2	30	126.7	914.18	914.54	-0.284	-17	-1.4	496	8.3
		5-year								-49	-2.5	496	8.3
		10-year								-61	-2.8	496	8.3
		50-vear								-74	-3.1	496	 8.3
		100-year								-102	-3.6	496	8.3
LSCMC13	8531.1	2-year	Special	3	1.5	50.9	908.86	908.76	0.196	38	10.0	13	3.1
		5-year								39	10.1	13	3.1
		10-year								40	10.1	13	3.1
		25-year								41	10.1	13	3.1
		50-year								41	10.2	13	3.1
		100-year								42	10.2	13	3.1
LSCMC13	8531.2	2-year	Trapezoidal	2	30	50.9	915.25	914.18	2.101	11	1.1	1348	22.5
		5-year								42	2.5	1348	22.5
		25-vear								69	3.0	1340	22.5
		50-year								82	3.8	1348	22.5
		100-year								102	4.3	1348	22.5
LSCMC14	8389.1	2-year	Circular	2	0	26.3	908.91	908.86	0.190	10	3.4	9	2.9
		5-year								10	3.3	9	2.9
		10-year								10	3.3	9	2.9
		25-year								10	3.3	9	2.9
		50-year								10	3.3	9	2.9
10000014	0000.0	100-year	Tana and dat			00.0	01110	01105	0.040	10	3.3	9	2.9
LSCMC14	8389.2	2-year	Trapezoidai	2	30	26.3	914.16	914.25	-0.343	-10	1.7	545	9.1
		10-vear								10	2.0	545	9.1
		25-vear								22	2.5	545	9.1
		50-year								24	2.5	545	9.1
		100-year								26	2.9	545	9.1
LSCMC15	8590.1	2-year	Circular	2	0	170.5	913.74	908.91	2.832	12	5.8	35	11.3
		5-year								16	5.8	35	11.3
		10-year								19	5.9	35	11.3
		25-year								22	6.8	35	11.3
		50-year								25	7.8	35	11.3
LSCMC15	8500.2	2-vear	Tranazoidal	1	30	170 5	Q1.8 /0	91/ 16	2 520	28	ö./	35	11.3
LOONICID	0030.2	5-year	riapezulual		30	170.5	310.49	314.10	2.009	0	0.0	400	16.2
		10-year								0	0.0	486	16.2
		25-year								0	0.0	486	16.2
		50-year								0	0.0	486	16.2
		100-year								2	0.1	486	16.2
LSCMC16	8591.1	2-year	Circular	2	0	150.3	913.95	913.74	0.140	12	5.6	8	2.5
		5-year								16	5.6	8	2.5
		10-year								19	5.9	8	2.5
		25-year								21	6.5	8	2.5
		100-year								21	6.0 6.6	8 8	2.5
	I	.00 you								21	0.0	0	2.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSCMC16	8591.2	2-vear	Trapezoidal	1	30	150.3	918.37	918 49	-0.080	0	0.0	86	29
Loomoro	000112	5-vear	Trapozoidai			100.0	010.07	010.10	0.000	0	0.0	86	2.9
		10-year								0	0.0	86	2.9
		25-year								-2	-0.5	86	2.9
		50-year								-8	-1.1	86	2.9
		100-year								-19	-1.8	86	2.9
LSCMC17	8403.1	2-year	Circular	2	0	117.7	916.38	913.95	2.065	12	6.0	30	9.6
		5-year								16	6.3	30	9.6
		10-year								19	6.6	30	9.6
		25-year								24	7.5	30	9.6
		100-year								20	8.3	30	9.0
LSCMC17	8403.2	2-vear	Trapezoidal	1	30	117 7	920 46	918.37	1 776	0	0.0	406	13.5
20011011	0.00012	5-year	rapozoidai				020110	0.0101		0	0.0	406	13.5
		10-year								0	0.0	406	13.5
		25-year								0	0.0	406	13.5
		50-year								0	0.0	406	13.5
		100-year								5	0.6	406	13.5
LSCMC18	8505.1	2-year	Circular	2	0	14.2	916.52	916.38	0.988	12	8.4	21	6.6
		5-year								16	9.4	21	6.6
		10-year								19	9.1	21	6.6
		25-year								24	9.1	21	6.6
		50-year								26	9.2	21	6.6
LSCMC18	8505.2	2-vear	Tranezoidal	1	30	14.2	020 44	920.46	-0 1/1	31	9.0	115	0.0
LISCINIC TO	8505.2	2-year 5-year	Паредониа			14.2	920.44	920.40	-0.141	0	0.0	115	3.8
		10-vear								0	0.0	115	3.8
		25-year								0	0.0	115	3.8
		50-year								-3	-1.1	115	3.8
		100-year								-10	-1.8	115	3.8
LSCMC19	8119.1	2-year	Special	3	3	41.4	916.67	916.52	0.362	26	9.3	18	4.3
		5-year								37	10.0	18	4.3
		10-year								44	10.6	18	4.3
		25-year								53	12.7	18	4.3
		50-year								60	14.4	18	4.3
	9110.2	100-year	Circular	0.16	0	41.4	020.25	020.44	0.000	69	16.6	18	4.3
LSCIVIC 19	0119.2	Z-year	Circular	0.16	0	41.4	920.25	920.44	0.000	0	0.0	0	0.0
		10-vear								0	0.0	0	0.8
		25-vear								0	-2.0	0	0.8
		50-year								0	-2.6	0	0.8
		100-year								0	-2.9	0	0.8
LSCMC20	8625.1	2-year	Special	3	3	23.2	916.75	916.67	0.345	26	7.4	17	4.2
		5-year								37	9.1	17	4.2
		10-year								43	10.4	17	4.2
		25-year								44	10.7	17	4.2
		50-year								47	11.3	17	4.2
1001000	0005.0	100-year	Teenselis			00.5	000.07	000.05	0.100	47	11.4	17	4.2
LSCMC20	8625.2	∠-year	ı rapezoidal	3	30	23.2	920.27	920.25	0.100	0	0.0	517	5.7
		10-vear								5	0.0	517	5.7
		25-vear								50	3.0	517	5.7
		50-year								58	3.0	517	5.7
		100-year								68	3.1	517	5.7
LSRL0101	8440.1	2-year	Circular	4.5	0	118.8	875.33	871.15	3.519	99	11.4	343	21.5
		5-year								125	12.1	343	21.5
		10-year								136	12.3	343	21.5
		25-year								148	12.8	343	21.5
		50-year								155	13.0	343	21.5
		100-year								163	13.1	343	21.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0101	8440 2	2-vear	Trapezoidal	1	30	118.8	893 12	893.00	0 100	0	0.0	97	32
Lonconor	0110.2	5-vear	Trapozoidai			110.0	000.12	000.00	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0102	8439.1	2-year	Circular	4.5	0	296.0	877.75	875.33	0.818	98	12.3	165	10.4
		5-year								125	13.2	165	10.4
		25-vear								135	13.3	165	10.4
		50-vear								153	13.4	165	10.1
		100-year								162	13.5	165	10.4
LSRL0102	8439.2	2-year	Trapezoidal	1	30	296.0	888.00	887.70	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
LSRI 0103	8256 1	2-vear	Circular	45	0	128.0	879.08	877 75	1 041	98	10.6	186	11 7
Loncorroo	0200.1	5-year	Circular	1.0		120.0	010.00	011.10		125	11.3	186	11.7
		10-year								135	11.8	186	11.7
		25-year								146	12.1	186	11.7
		50-year								153	12.2	186	11.7
		100-year								162	12.3	186	11.7
LSRL0103	8256.2	2-year	Trapezoidal	1	30	128.0	889.00	888.00	0.781	0	0.0	270	9.0
		5-year								0	0.0	270	9.0
		25-year								0	0.0	270	9.0
		50-vear								0	0.0	270	9.0
		100-year								0	0.0	270	9.0
LSRL0104	8442.1	2-year	Circular	4.5	0	317.6	879.68	879.08	0.188	94	8.6	79	5.0
		5-year								121	9.4	79	5.0
		10-year								132	9.8	79	5.0
		25-year								144	10.1	79	5.0
		50-year								151	10.3	79	5.0
LSRI 0104	8442.2	2-vear	Trapezoidal	1	30	317.6	891 01	888.00	0 948	0	0.0	297	9.9
201120101	011212	5-year	riapozoidai			01110		000.00	0.0.10	0	0.0	297	9.9
		10-year								0	0.0	297	9.9
		25-year								0	0.0	297	9.9
		50-year								0	0.0	297	9.9
		100-year								0	0.0	297	9.9
LSRL0105	8441.1	2-year	Circular	4.5	0	275.1	879.89	879.68	0.076	94	6.6	50	3.2
		o-year								121	/.6	50	3.2
		25-year								144	0.2 8 9	50	3.2
		50-year								151	9.3	50	3.2
		100-year								158	9.7	50	3.2
LSRL0105	8441.2	2-year	Trapezoidal	1	30	275.1	890.47	890.01	0.167	0	0.0	125	4.2
		5-year								0	0.0	125	4.2
		10-year								0	0.0	125	4.2
		25-year								0	0.0	125	4.2
		100-year								0	0.0	125	4.2
LSRL0106	8444.1	2-vear	Circular	4.5	0	387.1	880.17	879.89	0.072	80	5.1	49	3.1
		5-year								98	6.0	49	3.1
		10-year								101	6.2	49	3.1
		25-year								104	6.4	49	3.1
		50-year								105	6.4	49	3.1
		100-year								105	6.4	49	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0106	8444 2	2-vear	Trapezoidal	1	30	387 1	888 76	888.00	0 196	<u>ر ، ،</u>	0.0	135	45
Loncorroo	0111.2	5-vear	Trapozoidai			007.1	000.70	000.00	0.100	0	0.0	135	4.5
		10-year								0	0.0	135	4.5
		25-year								0	0.0	135	4.5
		50-year								0	0.0	135	4.5
		100-year								0	0.0	135	4.5
LSRL0107	8443.1	2-year	Circular	4.5	0	193.8	880.42	880.17	0.129	80	5.0	66	4.1
		5-year								98	6.1	66	4.1
		10-year								101	6.4	66	4.1
		50-year								104	6.6	00 66	4.1
		100-year								105	6.6	66	4.1
LSRL0107	8443.2	2-year	Trapezoidal	1	30	193.8	888.95	888.76	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRL0108	8255.1	2-year	Circular	4.5	0	54.5	882.98	880.42	4.706	80	7.9	396	24.9
		5-year								98	8.0	396	24.9
		25-vear								101	8.1	390	24.9
		50-vear								104	8.1	396	24.9
		100-year								105	8.0	396	24.9
LSRL0108	8255.2	2-year	Trapezoidal	1	30	54.5	889.00	888.95	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		50-year								0	0.0	92	3.1
		100-year								0	0.0	92	3.1
LSRL0109	LSRL0109	2-year	Natural	6	12	258.1	883.01	882.98	0.012	61	1.8	446	0.5
		5-year								75	1.7	440	0.5
		25-vear								78	1.6	446	0.5
		50-year								79	1.6	446	0.5
		100-year								82	1.6	446	0.5
LSRL0110	SRL0110A	2-year	Circular	4.5	0	89.0	883.52	883.01	0.573	61	8.6	138	8.7
		5-year								77	8.6	138	8.7
		10-year								81	8.7	138	8.7
		25-year								85	8.7	138	8.7
		50-year								92	8.7	138	8.7
	SPI 0110P	2 voor	Tranazaidal	1	20	80.0	800.00	990.01	0.100	90	0.7	130	0.7
LONLUTIU	SILUTIUD	∑-year 5-vear	Tapezulual		30	09.0	030.00	009.91	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0111	LSRL0111	2-year	Natural	7	3	311.7	884.00	883.52	0.154	62	2.3	1406	2.5
		5-year								80	2.3	1406	2.5
		10-year								86	2.4	1406	2.5
		25-year								90	2.4	1406	2.5
		100-vear								98 103	2.4	1406	2.5
LSRI 0112	SRI 01124	2-vear	Circular	45	n	93.1	884 10	884 00	0 107	62	2. 4 7 0	00 + -1 00	2.5
	2.20.12A	5-year		1.0		00.1			0.107	81	7.9	60	3.8
		10-year								89	8.1	60	3.8
		25-year								96	8.3	60	3.8
		50-year								103	8.5	60	3.8
		100-year								109	8.7	60	3.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRL0112	SRL0112B	2-vear	Trapezoidal	1	30	93.1	890 00	889.91	0.100	<u>،</u> ،	0.0	95	32
		5-year							500	0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LSRL0113	LSRL0113	2-year	Natural	6	1.5	201.4	884.20	884.10	0.050	45	2.2	370	1.1
		5-year								57	2.3	370	1.1
		10-year								60	2.2	370	1.1
		25-year								68	1.8	370	1.1
		50-year								73	1.8	370	1.1
L SRI 0114	SRI 01144	2-vear	Circular	4	0	195.9	885 20	884 20	0.510	45	5.6	95	7.6
LOILUIT	OREOTHA	5-vear	Oncular		0	100.0	000.20	004.20	0.010	56	6.1	95	7.6
		10-vear								59	6.0	95	7.6
		25-year								68	6.1	95	7.6
		50-year								73	6.1	95	7.6
		100-year								86	6.7	95	7.6
LSRL0114	SRL0114B	2-year	Trapezoidal	1	30	195.9	892.00	891.80	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRL0115	LSRL0115	2-year	Natural	6.5	5	305.8	885.83	885.20	0.206	45	2.2	1414	2.2
		5-year								56	2.2	1414	2.2
		10-year								59	2.2	1414	2.2
		50-vear								73	2.2	1414	2.2
		100-year								89	2.2	1414	2.2
LSRI 0116	SRI 0116A	2-vear	Circular	2.5	0	89 7	886 58	885.83	0.836	45	9.4	35	7.1
201120110	0.120110.1	5-vear	onoului	2.0			000.00	000.00	0.000	56	11.5	35	7.1
		10-year								59	12.1	35	7.1
		25-year								68	13.6	35	7.1
		50-year								74	14.7	35	7.1
		100-year								74	14.9	35	7.1
LSRL0116	SRL0116B	2-year	Trapezoidal	1	30	89.7	892.00	891.91	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								1	0.5	97	3.2
		100-year	Notural		4.0	400 7	007.05	000 50	0.044	23	2.3	97	3.2
LOKLUIII	LOKLUIII	2-year	เงลเนเลเ	6	10	109.7	001.25	000.58	0.011	27	2.2	1323	4.0
		10-vear								37 	2.0	1323	4.0
		25-vear								48	2.0	1323	4.0
		50-year								52	1.9	1323	4.0
		100-year								63	1.9	1323	4.0
LSRL0118	8259.1	2-year	Circular	2.5	0	340.6	887.31	887.25	0.018	26	5.6	5	1.0
		5-year								35	7.5	5	1.0
		10-year								38	7.9	5	1.0
		25-year								36	7.4	5	1.0
		50-year								34	7.0	5	1.0
		100-year								32	6.6	5	1.0
LSRL0118	8259.2	2-year	Trapezoidal	1	30	340.6	892.89	892.00	0.261	0	0.0	156	5.2
		5-year								0	0.0	156	5.2
		10-year								2	1.0	156	5.2
		25-year								17	2.2	156	5.2
		50-year								29	2.7	156	5.2
		roo-year								40	3.1	156	5.2

Link Name Conduit Name Period Shape (feet) (feet) (feet) (feet) (%) (cfs) (fps)	Full Flow (cfs)	Velocity (fps)
LSRI0119 8387.1 2-vear Circular 2 0 356.0 893.82 887.31 1.829 26 8.4	28	9.0
Loncorno 2 year longuar 2 0 0000 00002 00001 1020 20 0.4	28	9.0
10-year 30 9.4	28	9.0
25-year 25-year 30 9.4	28	9.0
50-year 30 9.4	28	9.0
100-year 30 9.4	28	9.0
LSRL0119 8387.2 2-year Trapezoidal 2 30 356.0 898.90 891.89 1.969 0 0.0	1305	21.8
5-year 6 2.2	1305	21.8
10-year 13 2.5	1305	21.8
25-year 21 2.4	1305	21.8
50-year 27 2.5	1305	21.8
100-year 34 3.0	1305	21.8
LSRL0120 8404.1 2-year Circular 2 0 33.7 894.02 893.82 0.593 26 9.5	16	5.1
5-year 31 9.9	16	5.1
10-year 32 10.2	16	5.1
50.ver 33 10.4	16	5.1
100-year 33 10.5	16	5.1
LSRL0120 8404.2 2-year Trapezoidal 2 30 33.7 898.87 897.90 2.876 0 0.0	1577	26.3
5-year 26 1.5	1577	26.3
10-year 33 1.8	1577	26.3
25-year 25-year 42 2.2	1577	26.3
50-year 49 2.4	1577	26.3
100-year 57 2.7	1577	26.3
LSRL0121 8260.1 2-year Circular 1.25 0 76.5 894.48 894.02 0.602 14 11.3	5	3.8
5-year 14 11.2	5	3.8
10-year 14 11.2	5	3.8
25-year 14 11.2	5	3.8
50-year 14 11.2	5	3.8
	201	5.0
LGRE0121 0200.2 2-year Trajezolida 2 50 70.5 090.95 090.07 0.100 13 1.5	301	5.0
10-vear 37 2.9	301	5.0
25-vear 44 3.1	301	5.0
50-year 50 3.2	301	5.0
100-year 57 3.4	301	5.0
LSRL01401 8428.1 2-year Circular 2.5 0 84.7 904.16 904.11 0.059 10 2.3	9	1.9
5-year 10 2.3	9	1.9
10-year 10 2.3	9	1.9
25-year 10 2.3	9	1.9
50-year 10 2.2	9	1.9
100-year 10 2.1	9	1.9
LSRL01401 8428.2 2-year Trapezoidal 1 30 84.7 907.92 907.84 0.100 5 1.2	94	3.1
10 year 12 1.8	94	3.1
25-vear 20 20 20 20 20 20 20 20 20 20 20 20 20	94 Q/	3.1
50-year 25 2 2.2	94	3.1
100-year 32 2.6	94	3.1
LSRL01402 8380.1 2-year Circular 2.5 0 238.9 904.32 904.16 0.067 11 2.2	10	2.0
5-year 11 2.2	10	2.0
10-year 11 2.2	10	2.0
25-year 11 2.2	10	2.0
50-year 11 2.2	10	2.0
100-year 11 2.2	10	2.0
LSRL01402 8380.2 2-year Trapezoidal 3 30 238.9 908.05 907.92 0.054 -1 -0.2	410	4.6
5-year 5 0.7	410	4.6
25-vear 25-vear 20 21 11	410	4.0
50-year 15 12	410	4.6
100-year 21 1.4	410	4.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 01403	8379 1	2-vear	Circular	2	() 0	23.1	904 33	904 32	0.043	11	34	4	14
LOILEUT400	0070.1	5-vear	Oncular	2		20.1	304.00	304.32	0.040	13	4.2	4	1.4
		10-vear								15	4.7	4	1.4
		25-vear								15	4.9	4	1.4
		50-year								17	5.2	4	1.4
		100-year								18	5.7	4	1.4
LSRL01403	8379.2	2-year	Trapezoidal	3	30	23.1	908.00	907.05	4.109	0	0.0	3567	39.6
		5-year								35	1.7	3567	39.6
		10-year								44	2.0	3567	39.6
		25-year								55	2.3	3567	39.6
		50-year								71	2.6	3567	39.6
		100-year								89	3.0	3567	39.6
LSRL01501	8427.1	2-year	Circular	2.5	0	42.8	904.95	904.51	1.029	41	8.6	39	7.9
		5-year								41	8.6	39	7.9
	-	10-year								41	8.6	39	7.9
		25-year								41	8.6	39	7.9
		50-year								41	8.6	39	7.9
	0.407.0	100-year	T	-		10 -	040.05	000.05	4 07-	41	8.6	39	7.9
LSKL01501	8427.2	2-year	i rapezoidal	3	30	42.8	910.00	908.00	4.675	5	1.8	3805	42.3
		5-year								27	2.6	3805	42.3
		10-year								40	2.0	3805	42.3
		25-year								57	2.9	3805	42.3
		100-year								86	3.0	3805	42.3
I SPI 01502	0221.1	2 voor	Circular	2.5	0	215.0	000.92	004.05	1 550	42	10.0	3003	42.3
LORLUIDUZ	0331.1	2-year	Circular	2.5	0	315.0	909.03	904.95	1.550	43	10.0	47	9.7
		10-vear								44	10.1	47	9.7
		25-vear								45	10.2	47	9.7
		50-year								45	10.2	47	9.7
		100-year								45	10.2	47	9.7
LSRL01502	8331.2	2-year	Trapezoidal	4	30	315.0	914.00	910.00	1.270	1	1.0	3089	25.7
		5-year								22	3.9	3089	25.7
		10-year								35	4.7	3089	25.7
		25-year								52	5.5	3089	25.7
		50-year								64	6.0	3089	25.7
		100-year								81	6.5	3089	25.7
LSRL01503	8330.1	2-year	Circular	2.5	0	23.7	910.00	909.83	0.706	43	10.5	32	6.5
		5-year								46	10.6	32	6.5
		10-year								48	10.7	32	6.5
		25-year								49	10.8	32	6.5
		50-year								49	10.8	32	6.5
	00000	100-year	-	-			0 4 · • • ·			49	10.7	32	6.5
LSRL01503	8330.2	2-year	ı rapezoidal	2	30	23.7	914.02	914.00	0.100	10	1.8	296	4.9
		o-year								30	2.9	296	4.9
		25-vear								42	3.3	296	4.9
		50-year								۲ <u>ن</u> ۶۹	3.7 3.0	290	4.9 4 Q
		100-vear							L	83	4.3	290	4.9
LSRI 0201	8286 1	2-year	Circular	25	n	30.8	884 28	879 65	11.630	40	9.7	76	15.4
201120201	0200.1	5-year		2.0	0	00.0	007.20	010.00	11.000	54	11.2	76	15.4
		10-year								58	11.4	76	15.4
		25-year								58	11.7	76	15.4
		50-year								57	11.6	76	15.4
		100-year								57	11.5	76	15.4
LSRL0201	8286.2	2-year	Trapezoidal	1	30	39.8	887.28	887.00	0.703	0	0.0	256	8.5
		5-year								0	0.0	256	8.5
		10-year								0	0.0	256	8.5
		25-year								16	2.9	256	8.5
		50-year								31	3.7	256	8.5
		100-year								49	4.5	256	8.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 0202	I SRI 0202	2-vear	Natural	4	5	407.2	885 30	884.28	0 250	36	15	929	27
LOILLOZOZ	LOILEOZOZ	5-vear	Naturai		5	407.2	000.00	004.20	0.200	50	1.0	929	2.7
		10-vear								58	1.4	929	2.7
		25-vear								67	1.4	929	2.7
		50-year								79	1.4	929	2.7
		100-year								93	1.4	929	2.7
LSRL0203	8651.1	2-year	Circular	2	0	66.5	885.68	885.30	0.571	36	11.8	16	5.1
		5-year								50	16.3	16	5.1
		10-year								53	16.9	16	5.1
		25-year								53	17.2	16	5.1
		50-year								53	17.0	16	5.1
		100-year								53	17.1	16	5.1
LSRL0203	8651.2	2-year	Trapezoidal	1	30	66.5	890.93	889.00	2.902	0	0.0	520	17.3
		5-year								0	0.0	520	17.3
		10-year								8	3.4	520	17.3
		25-year								23	5.1	520	17.3
		50-year								32	5.8	520	17.3
	9007 4	2-vear	Circular	-		07.0	805.00	805 00	0.660	46	0.7	520	= 17.3 = A
LONLUZU4	0207.1	∠-year 5-year		2	0	21.2	000.00	000.08	0.002	<u>৩</u> ১০	12.0	17	5.4 5.4
		10-vear								38	12.0	17	5.4
		25-vear								38	12.0	17	5.4
		50-vear								38	12.0	17	5.4
		100-year								38	12.0	17	5.4
LSRL0204	8287.2	2-year	Trapezoidal	2	30	27.2	889.94	889.93	0.037	0	0.0	178	3.0
		5-year								45	3.0	178	3.0
		10-year								57	3.0	178	3.0
		25-year								69	2.9	178	3.0
		50-year								78	2.9	178	3.0
		100-year								90	2.9	178	3.0
LSRL0301	8658.1	2-year	Circular	2.5	0	14.3	880.64	880.54	0.698	78	15.8	32	6.5
		5-year								108	21.7	32	6.5
		10-year								125	25.3	32	6.5
		25-year								147	29.5	32	6.5
		100-year								150	31.4	32	6.5
L SRI 0301	8658.2	2-vear	Tranezoidal	1	30	14 3	888 64	888 35	2 025	130	0.0	434	14.5
LOILLUGUT	0000.2	5-vear	Trapezoidai			14.0	000.04	000.00	2.025	0	0.0	434	14.5
		10-vear								0	0.0	434	14.5
		25-year								0	0.0	434	14.5
		50-year								11	3.4	434	14.5
		100-year								40	5.7	434	14.5
LSRL0302	8290.1	2-year	Circular	2.5	0	327.7	882.82	880.64	0.665	52	10.5	31	6.3
		5-year								52	10.5	31	6.3
		10-year								51	10.4	31	6.3
		25-year								51	10.3	31	6.3
		50-year								51	10.2	31	6.3
		100-year								50	10.1	31	6.3
LSRL0302	8290.2	2-year	l'rapezoidal	2	30	327.7	890.32	887.64	0.818	29	3.8	841	14.0
		5-year								64	5.2	841	14.0
		25 year								28	5.8	841	14.0
		20-year								114	0.5 6.6	841 ۵/1	14.0
		100-vear								158	0.0 6.8	841	14.0
LSRL0303	8657 1	2-vear	Circular	2	n	60.2	883 52	882 82	1 164	44	13.7	23	7.2
		5-year				00.2				43	13.6	23	7.2
		10-year								43	13.5	23	7.2
		25-year								43	13.5	23	7.2
		50-year								43	13.4	23	7.2
		100-year								42	13.3	23	7.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0303	8657.2	2-vear	Trapezoidal	2	30	60.2	890.85	889.32	2 543	58	49	1483	24.7
	0007.2	5-vear	Trapozoidai			00.2	000.00	000.02	2.010	89	5.1	1483	24.7
		10-year								107	5.3	1483	24.7
		25-year								131	5.0	1483	24.7
		50-year								149	5.4	1483	24.7
		100-year								173	5.4	1483	24.7
LSRL0304	8486.1	2-year	Circular	2	0	154.3	885.02	883.52	0.972	35	11.0	21	6.6
		5-year								35	11.1	21	6.6
		10-year								35	11.1	21	6.6
		25-year								35	11.1	21	6.6
		100-year								34	10.7	21	6.6
LSRI 0304	8486 2	2-vear	Trapezoidal	2	30	154.3	892.02	889 85	1 406	59	4 7	1103	18.4
201120001	0.00012	5-year	riapozoidai				002.02	000.00		89	4.7	1103	18.4
		10-year								106	4.9	1103	18.4
		25-year								130	4.7	1103	18.4
		50-year								147	5.0	1103	18.4
		100-year								170	5.5	1103	18.4
LSRL0305	8485.1	2-year	Circular	2	0	241.7	885.63	885.02	0.252	25	8.0	11	3.4
		5-year								25	7.8	11	3.4
		10-year								24	7.6	11	3.4
		25-year								24	7.5	11	3.4
		50-year								23	7.4	11	3.4
L 6 DL 0205	9495.2	100-year	Tranazaidal	2	20	241 7	902.05	901.02	0.940	23	1.4	950	3.4
LORLUGUD	0403.2	2-year	Паредоциа	2		241.7	693.05	091.02	0.640	61	2.4	852	14.2
		10-vear								73	2.4	852	14.2
		25-year								89	3.1	852	14.2
		50-year								101	3.4	852	14.2
		100-year								117	3.7	852	14.2
LSRL0306	8289.1	2-year	Circular	2	0	325.5	890.88	885.63	1.613	23	7.1	27	8.5
		5-year								22	7.5	27	8.5
		10-year								23	7.4	27	8.5
		25-year								23	7.2	27	8.5
		50-year								23	7.1	27	8.5
	0000.0	100-year	Transsidal	0	20	205.5	005.00	000.05	4 477	23	7.1	27	8.5
LSRL0306	8289.2	Z-year	Trapezoidai	2	30	325.5	895.88	892.05	1.177	30	1.7	1009	16.8
		10-vear								68	2.5	1009	16.8
		25-vear								83	3.1	1009	16.8
		50-year								95	3.4	1009	16.8
		100-year								111	3.7	1009	16.8
LSRL0307	8288.1	2-year	Circular	2	0	69.1	891.55	890.88	0.969	21	8.2	21	6.6
		5-year								20	8.3	21	6.6
		10-year								21	8.3	21	6.6
		25-year								20	8.2	21	6.6
		50-year								21	8.1	21	6.6
	0000.0	100-year	Teerstit			00.1	005 55	004.00	0.000	21	8.2	21	6.6
LSRL0307	8288.2	∠-year	i rapezoidal	2	30	69.1	895.55	894.88	0.969	61	2.4	916	15.3
		0-year								02 20	2.9	916	15.3
		25-year								109	3.5	916	15.3
		50-year								121	3.8	916	15.3
		100-year								137	4.1	916	15.3
LSRL03A01	LSRL03A01	2-year	Circular	2.5	0	23.8	883.12	880.64	10.416	0	0.1	123	25.0
		5-year								0	-0.1	123	25.0
		10-year								1	0.1	123	25.0
		25-year								2	0.5	123	25.0
		50-year								8	1.6	123	25.0
		100-year								9	1.8	123	25.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 03B01	LSRI 03B01	2-vear	Circular	2	0	32.2	885.85	882.82	9 4 1 0	6	31	64	20.5
LOILLOODOI	LOILLUGDUI	5-vear	Oncular	2	0	52.2	000.00	002.02	5.410	5	1.9	64	20.5
		10-vear								4	1.4	64	20.5
		25-year								3	1.0	64	20.5
		50-year								3	1.1	64	20.5
		100-year								4	1.2	64	20.5
LSRL0401	8291.1	2-year	Circular	2.5	0	172.2	890.03	884.43	3.252	85	17.8	69	14.0
		5-year								85	17.8	69	14.0
		10-year								85	17.8	69	14.0
		25-year								85	17.7	69	14.0
		50-year								85	17.6	69	14.0
		100-year								85	17.5	69	14.0
LSRL0401	8291.2	2-year	Trapezoidal	2	30	172.2	894.53	892.00	1.469	102	7.5	1127	18.8
		5-year								191	9.5	1127	18.8
		10-year								245	10.5	1127	18.8
		50-vear								369	12.3	1127	18.8
		100-vear								440	13.2	1127	18.8
LSRL0402	8292.1	2-vear	Circular	2.5	0	42.4	890.32	890.03	0.683	79	16.0	31	6.4
		5-year								79	16.0	31	6.4
		10-year								79	16.0	31	6.4
		25-year								80	16.2	31	6.4
		50-year								80	16.3	31	6.4
		100-year								80	16.3	31	6.4
LSRL0402	8292.2	2-year	Trapezoidal	3	30	42.4	895.82	894.53	3.040	115	9.1	3068	34.1
		5-year								203	11.2	3068	34.1
		10-year								256	12.2	3068	34.1
		25-year								327	13.3	3068	34.1
		50-year								380	14.1	3068	34.1
	8202.1	100-year	Circular	2.5	0	E07 0	902 FC	800.32	0.615	450	15.0	3000	34.1
LSKL0403	0293.1	5-vear	Circular	2.5	0	527.2	093.00	090.32	0.015	41	8.6	30	6.1
		10-vear								40	8.5	30	6.1
		25-vear								40	8.5	30	6.1
		50-year								40	8.4	30	6.1
		100-year								40	8.5	30	6.1
LSRL0403	8293.2	2-year	Trapezoidal	2	30	527.2	898.06	895.82	0.425	120	5.4	606	10.1
		5-year								187	6.5	606	10.1
		10-year								227	7.0	606	10.1
		25-year								280	7.6	606	10.1
		50-year								320	8.0	606	10.1
		100-year								373	8.4	606	10.1
LSRL0404	8294.1	2-year	Circular	2.5	0	517.7	900.60	893.56	1.360	44	9.0	44	9.0
		5-year								45	9.0	44	9.0
		10-year								44	9.0	44	9.0
		20-year								44	9.0	44	9.0
		100-vear								44	9.0	44	9.0
LSRL0404	8294.2	2-vear	Trapezoidal	1	30	517.7	905.10	899.06	1.167	79	6.3	329	11.0
201120101	020112	5-year	riapozoidai			0	000110	000100		134	7.7	329	11.0
		10-year								166	8.4	329	11.0
		25-year								210	9.2	329	11.0
		50-year								242	9.8	329	11.0
		100-year								285	10.4	329	11.0
LSRL0405	8295.1	2-year	Circular	2.5	0	643.8	905.59	900.60	0.775	37	7.5	34	6.8
		5-year								38	7.7	34	6.8
		10-year								38	7.7	34	6.8
		20-year								38 27	7.6	34	۵.۵ ۵ م
		100-year								37	7.0		6.8
										01	1.0	54	0.0

LSRLM05 6285.2 2-year Topsozida 0 <th>Link Name</th> <th>Conduit Name</th> <th>Return Period</th> <th>Shape</th> <th>Diam./ Height (feet)</th> <th>Bottom Width (feet)</th> <th>Length (feet)</th> <th>U/S Invert (feet)</th> <th>D/S Invert (feet)</th> <th>Conduit Slope (%)</th> <th>Max Flow (cfs)</th> <th>Max Velocity (fps)</th> <th>Design Full Flow (cfs)</th> <th>Design Velocity (fps)</th>	Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
Lance Lance <thlance< th=""> Lance <thl< th=""><th>I SRI 0405</th><th>8295 2</th><th>2-vear</th><th>Trapezoidal</th><th>1</th><th>30</th><th>643.8</th><th>910 51</th><th>906 10</th><th>0 685</th><th>65</th><th>50</th><th>252</th><th><u>م</u></th></thl<></thlance<>	I SRI 0405	8295 2	2-vear	Trapezoidal	1	30	643.8	910 51	906 10	0 685	65	50	252	<u>م</u>
Image: biologen Image: bio		0200.2	5-vear	Trapozoidai			0 10.0	010.01	000.10	0.000	110	6.1	252	8.4
b b< b< b< b< b< b< b< b< b< b<< <t< td=""><td></td><td></td><td>10-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>136</td><td>6.6</td><td>252</td><td>8.4</td></t<>			10-year								136	6.6	252	8.4
SolyarInterpretationInterpretatio			25-year								171	7.3	252	8.4
Image: borner Image: b			50-year								198	7.7	252	8.4
LSRL0406 Sepent Curcular 2 0 27.2 99.5.8 90.5.9 0.1.47 42 1.3.3 8 2.6.6 10-yeart I			100-year								232	8.2	252	8.4
Sygar Image Image <th< td=""><td>LSRL0406</td><td>8661.1</td><td>2-year</td><td>Circular</td><td>2</td><td>0</td><td>27.2</td><td>905.63</td><td>905.59</td><td>0.147</td><td>42</td><td>13.3</td><td>8</td><td>2.6</td></th<>	LSRL0406	8661.1	2-year	Circular	2	0	27.2	905.63	905.59	0.147	42	13.3	8	2.6
Interpretation Interpr			5-year								44	14.0	8	2.6
Image: state			10-year								42	13.3	8	2.6
Boyear Impeznial I			25-year								38	12.0	8	2.6
LSRL040 Be612 Cyeart Tropezoidal 3 30 27.2 910.5 910.51 10.47 70 04.42 675 7.5 IOyear IOyear IO IO IO IO 104 4.9 675 7.5 IOyear IO IO IO IO IO IO 100 100 IO			50-year								36	11.4	8	2.6
LSRL040b General Zyelar Impace of all of		0004.0	100-year	-			07.0	040 55	040 54	0.4.47	37	11.6	8	2.6
byest byest byest byest byest byst	LSRL0406	8661.2	2-year	Trapezoidal	3	30	27.2	910.55	910.51	0.147	80	4.2	675	7.5
Image Image <th< td=""><td></td><td></td><td>5-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>124</td><td>4.9</td><td>675</td><td>7.5</td></th<>			5-year								124	4.9	675	7.5
Loryear Loryear <t< td=""><td></td><td></td><td>25-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>149</td><td>5.3</td><td>675</td><td>7.5</td></t<>			25-year								149	5.3	675	7.5
box			50-vear								209	5.7	675	7.5
LSRL0407 8662.1 2-year Circular 2 0 12.9 906.72 905.63 0.887 2.5 8.0 2.0 6.3 LSRL0407 B662.1 25-year Image: Constraint of the second			100-vear								203	6.3	675	7.5
b b	LSRL0407	8662.1	2-vear	Circular	2	0	122.9	906.72	905.63	0.887	25	8.0	20	6.3
International system Internati	201120101	0002.1	5-year		2	0	.22.0	000.12	000.00	5.007	25	8.0	20	6.3
25-year 25-year 25-year 25-year 26-year 27-year 27-year <t< td=""><td></td><td></td><td>10-year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>25</td><td>8.0</td><td>20</td><td>6.3</td></t<>			10-year								25	8.0	20	6.3
S0-year Image: solution of the second s			25-year								26	8.0	20	6.3
Image: book with the second			50-year								25	8.0	20	6.3
LSRL0407 8662.2 2-year Trapezoidal 2 30 122.9 912.55 910.55 1.627 43 3.4 1186 198 LSRL0407 6962.2 2-year 72 4.2 1186 198 LSRL0408 25-year 112 5.1 1186 198 LSRL0408 8316.1 2-year Circular 2 0 677.9 916.21 906.72 1.400 23 7.9 25 7.9 100-year 30 67.9 90.26 91.55 1.627 48 5.0 30 </td <td></td> <td></td> <td>100-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>25</td> <td>8.0</td> <td>20</td> <td>6.3</td>			100-year								25	8.0	20	6.3
Image: second	LSRL0407	8662.2	2-year	Trapezoidal	2	30	122.9	912.55	910.55	1.627	43	3.4	1186	19.8
Interpretation Interpr			5-year								72	4.2	1186	19.8
25-year 25-year 1 1 5.1 1186 19.8 100-year 100-year 100-year 100-year 100-year 112 5.8 1186 19.8 LSRL0408 8316.1 2-year Circular 2 0 677.9 916.21 906.72 1.400 23 7.9 25 7.9 Sopear 10-year 1 1 1 1 1 23 7.9 25 7.9 10-year 1 1 1 1 1 1 1 23 7.9 25 7.9 10-year 1			10-year								89	4.7	1186	19.8
bit bit< bit< bit< bit< bit			25-year								112	5.1	1186	19.8
LSRL0408 8316.1 2-year Cincular 2 0 677.9 916.21 906.72 1.400 23 7.9 25 7.9 LSRL0408 8316.1 2-year I I 677.9 916.21 906.72 1.400 23 7.9 25 7.9 Image: System			50-year								129	5.4	1186	19.8
LSRL0408 8316.1 2-year Circular 2 0 677.9 916.21 906.72 1.400 2.3 7.9 2.5 7.9 10-year 10-year 10-year 10-year 10-year 10-year 10-year 10-year 100-year 110 100-year 110 100-year 110 110 110 110 110 110 110 110 110 110 110 110 110			100-year								152	5.8	1186	19.8
10-year 100-year 110-year 111 111 111 111	LSRL0408	8316.1	2-year	Circular	2	0	677.9	916.21	906.72	1.400	23	7.9	25	7.9
10-year 1 1 1 1 1 23 7,9 25 7,9 25-year 1 50-year 1 1 1 1 1 2 1 23 7.7 25 7.9 100-year 1 100-year 1 1 30 67.9 92.46 912.55 1.167 44 50 32.9 11.0 100-year 1 30 67.9 92.46 912.55 1.167 44 50 32.9 11.0 10-year 1 30 67.9 92.46 912.55 1.167 44 50 32.9 11.0 10-year 1 1 30 67.9 92.46 912.55 1.167 44 50 32.9 11.0 10.9 <ear< td=""> 1 10.9<ear< td=""> 1 1 1 1 1<.12</ear<></ear<>			5-year								23	7.9	25	7.9
1 25-year 1 </td <td></td> <td></td> <td>10-year</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>23</td> <td>7.9</td> <td>25</td> <td>7.9</td>			10-year								23	7.9	25	7.9
Image: boryear Image:			25-year								23	1.1	25	7.9
LSRL0408 8316.2 2-year Trapezoidal 1 30 677.9 920.6 912.55 1.167 44 5.0 329 11.0 LSRL0408 8316.2 2-year Irapezoidal 1 30 677.9 920.46 912.55 1.167 44 5.0 329 11.0 10-year Inclustry Inclustry Inclustry Inclustry 889 6.6 329 11.0 25-year Inclustry Inclustry Inclustry Inclustry 329 11.0 100-year Inclustry Inclustry Inclustry Inclustry 112 7.2 329 11.0 LSRL0501 8037.1 2-year Rectangular 5 6 744.7 891.11 885.10 0.807 151 8.4 352 11.7 LSRL0501 8037.1 2-year Rectangular 5 6 744.7 891.11 885.10 0.807 151 8.4 352 11.7 <t< td=""><td></td><td></td><td>100 year</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>23</td><td>8.2</td><td>25</td><td>7.9</td></t<>			100 year								23	8.2	25	7.9
LSRL0403 CST02 Z-year Impeziolical 1 30 50 67.53 52.540 812.33 1.107 44 3.30 322 11.0 10-year 10-year 1 10-year 1		9216.2	2 voor	Tranazaidal	1	20	677.0	020.46	012 55	1 167	23	5.0	20	11.0
Oyear Oyear <th< td=""><td>LSKL0406</td><td>0310.2</td><td>2-year</td><td>Паредониа</td><td></td><td></td><td>077.9</td><td>920.40</td><td>912.55</td><td>1.107</td><td>72</td><td>6.1</td><td>329</td><td>11.0</td></th<>	LSKL0406	0310.2	2-year	Паредониа			077.9	920.40	912.55	1.107	72	6.1	329	11.0
Image: Constraint of the synam Image:			10-vear								89	6.6	329	11.0
boyear 110<			25-vear								112	7.2	329	11.0
100-year model			50-year								128	7.6	329	11.0
LSRL0501 8037.1 2-year Rectangular 5 6 744.7 891.11 885.10 0.807 151 8.4 352 11.7 5-year 10-year 10-year 10-year 10-year 10-year 10-year 10-year 11.7 25-year 11.7 312 11.2 352 11.7 50-year 50-year 100-year 10-year 10-year 11.7 333 11.4 352 11.7 100-year 100-year 100-year 11.7 333 11.4 352 11.7 LSRL0501 8037.2 2-year Trapezoidal 1 30 744.7 898.11 893.60 0.606 0 0.0 237 7.9 LSRL0501 8037.2 2-year Trapezoidal 1 30 744.7 898.11 893.60 0.606 0 0.0 237 7.9 LSRL0501 8037.2 2-year Trapezoidal 1 30 7.4 898.11			100-year								150	8.1	329	11.0
S-year Source 10 10 10 10 10 352 11.7 10-year 10-year 10 10 10.0 352 11.7 25-year 25-year 10 11.2 352 11.7 50-year 100-year 100 11.2 352 11.7 100-year 100-year 100 11.4 352 11.7 LSRL0501 8037.2 2-year Trapezoidal 1 30 744.7 898.11 893.60 0.606 0 0.0 237 7.9 LSRL0501 8037.2 2-year Trapezoidal 1 30 744.7 898.11 893.60 0.606 0 0.0 237 7.9 10-year 10-year 10 10 10 10 10 10 10 237 7.9 100-year 100-year 10 10 10 10 10 237 7.9 LSRL0502 8043.1 </td <td>LSRL0501</td> <td>8037.1</td> <td>2-year</td> <td>Rectangular</td> <td>5</td> <td>6</td> <td>744.7</td> <td>891.11</td> <td>885.10</td> <td>0.807</td> <td>151</td> <td>8.4</td> <td>352</td> <td>11.7</td>	LSRL0501	8037.1	2-year	Rectangular	5	6	744.7	891.11	885.10	0.807	151	8.4	352	11.7
Image: Section of the section of th			5-year								198	9.4	352	11.7
25-year 25-year and			10-year								237	10.0	352	11.7
indication 50-year indication			25-year								312	11.2	352	11.7
IO0-year IO0-year Trapezoidal I 300 744.7 898.11 893.60 0.606 0 0.00 2337 7.9 LSRL0501 8037.2 2-year Trapezoidal 1 30 744.7 898.11 893.60 0.606 0 0.00 2337 7.9 LSRL0501 5-year 10-year 10 10 10 10 10 10 10 10 10 10 10 10 10 10 17.9 LSRL0502 50-year 100 100 100 100 100 237 7.9 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.41 0.410 151 100.2 251 8.4 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.48 891.11 0.410 151 100.2 251 8.4 LSRL0502 8043.1 2-year Rectangular			50-year								333	11.4	352	11.7
LSRL0501 8037.2 2-year Trapezoidal 1 30 74.7 898.11 893.60 0.606 0 0.00 237 7.9 5-year 5-year			100-year								332	11.4	352	11.7
5-year 5-year 0 0 0.0 237 7.9 10-year 10-year 0 0.0 0.0 237 7.9 25-year 25-year 0 0 0.0 0.0 237 7.9 50-year 50-year 0 0 0.0 0.0 237 7.9 100-year 100-year 0 0.0 0.0 237 7.9 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 100.2 251 8.4 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 1SRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 10-year 10-year 10 10 10 11.1 251 8.4 10-year 10 10 10 10 <td>LSRL0501</td> <td>8037.2</td> <td>2-year</td> <td>Trapezoidal</td> <td>1</td> <td>30</td> <td>744.7</td> <td>898.11</td> <td>893.60</td> <td>0.606</td> <td>0</td> <td>0.0</td> <td>237</td> <td>7.9</td>	LSRL0501	8037.2	2-year	Trapezoidal	1	30	744.7	898.11	893.60	0.606	0	0.0	237	7.9
I0-year I0-year I0-year I0-year I0-year I0-year I0-year I0-year I00 00 0.00 237 7.9 7.9 I00-year 50-year I00-year			5-year								0	0.0	237	7.9
25-year 25-year 0 0 0.0 237 7.9 100-year 50-year 0 0.0 237 7.9 100-year 100-year 0 0.0 237 7.9 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 100-year 10-year			10-year								0	0.0	237	7.9
bu-year			25-year								0	0.0	237	7.9
INDE-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 LSRL0502 8043.1 2-year Rectangular 5 6 178.1 891.84 891.11 0.410 151 10.2 251 8.4 10-year 10-year 237 11.7 251 8.4 10-year 25-year 312 12.3 251 8.4 100-year 332 12.3 251 8.4 100-year 329 12.3 251 8.4			ou-year								0	0.0	237	7.9
Listicuouz out43.1 2-year Rectaliguial 5 6 178.1 891.64 691.11 0.410 151 10.2 2251 8.4 5-year 5-year 10-year 1-year 1-year 1-year </td <td></td> <td>0042.4</td> <td>2 veer</td> <td>Pootongular</td> <td>-</td> <td></td> <td>170 4</td> <td>001.04</td> <td>001 44</td> <td>0.440</td> <td>0</td> <td>0.0</td> <td>237</td> <td>7.9</td>		0042.4	2 veer	Pootongular	-		170 4	001.04	001 44	0.440	0	0.0	237	7.9
10-year	LORLUDUZ	0043.1	2-year	Rectangular	5	6	178.1	oy1.84	091.11	0.410	100	10.2	251	۵.4 ۵ ۸
25-year 312 12.3 251 8.4 50-year 312 12.3 251 8.4 100-year 329 12.3 251 8.4			10-vear								237	11.1	251	8.4
S0-year 332 12.3 251 8.4 100-year 329 12.3 251 8.4			25-vear								312	12.3	251	8.4
100-year 329 12.3 251 8.4			50-year								332	12.3	251	8.4
			100-year								329	12.3	251	8.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 0502	8043.2	2-vear	Trapezoidal	1	30	178 1	899 00	898 11	0.500	<u>ر ا</u>	0.0	216	7.2
LUNEUUUZ	50-10.2	5-year				170.1	000.00	000.11	0.000	0	0.0	216	7.2
		10-year								0	0.0	216	7.2
		25-year								0	0.0	216	7.2
		50-year								0	0.0	216	7.2
		100-year								0	0.0	216	7.2
LSRL0601	8342.1	2-year	Circular	2.5	0	369.1	894.08	891.84	0.607	44	9.0	30	6.0
		5-year								48	9.9	30	6.0
		10-year								48	9.9	30	6.0
		25-year								48	9.9	30	6.0
		100-year								40	9.0	30	6.0
LSRI 0601	8342.2	2-vear	Trapezoidal	1	30	369 1	899 58	899.00	0 157	0	0.0	121	4.0
Loncesson	0012.2	5-vear	Trapozoidai			000.1	000.00	000.00	0.107	28	2.4	121	4.0
		10-year								45	2.9	121	4.0
		25-year								64	3.4	121	4.0
		50-year								78	3.7	121	4.0
		100-year								97	4.0	121	4.0
LSRL0602	8666.1	2-year	Circular	2.5	0	259.4	895.08	894.08	0.385	39	7.8	24	4.8
		5-year								36	7.3	24	4.8
		10-year								34	7.0	24	4.8
		25-year								34	6.8	24	4.8
		50-year								34	6.9	24	4.8
	8666.0	100-year	Tranazaidal	2	20	250.4	000 59	909 F9	0 771	34	0.8	24	4.8
LSRL0602	8000.2	2-year 5-year	Trapezoidai	2	30	259.4	900.58	898.58	0.771	16	2.0	817	13.0
		10-vear								59	3.1	817	13.6
		25-year								76	3.0	817	13.6
		50-year								89	3.9	817	13.6
		100-year								105	3.8	817	13.6
LSRL0603	8282.1	2-year	Circular	1.75	0	73.5	896.62	895.08	2.096	28	11.4	21	8.9
		5-year								22	9.2	21	8.9
		10-year								22	9.0	21	8.9
		25-year								21	8.8	21	8.9
		50-year								21	8.7	21	8.9
	0000.0	100-year	Transsidal	0	20	70 5	002.04	000 50	2.240	21	8.7	21	8.9
LSRL0603	8282.2	2-year	i rapezoidai	2	30	73.5	902.04	899.58	3.348	9	0.5	1702	28.4
		10-vear								30	1.1	1702	20.4
		25-vear								40	1.7	1702	28.4
		50-year								47	2.0	1702	28.4
		100-year								57	2.3	1702	28.4
LSRL0604	8281.1	2-year	Circular	1.75	0	176.8	898.83	896.62	1.250	18	8.2	16	6.8
		5-year								18	8.2	16	6.8
		10-year								18	8.2	16	6.8
		25-year								18	8.2	16	6.8
		50-year								18	8.3	16	6.8
	000110	100-year	-	_		4	007.5			18	8.1	16	6.8
LSRL0604	8281.2	2-year	I rapezoidal	2	30	176.8	905.08	901.04	2.285	13	2.6	1406	23.4
		o-year								25	2.9	1406	23.4
		25-vear								33 	3.0	1400	23.4
		50-year								42	4.2	1406	23.4
		100-year								59	4.1	1406	23.4
LSRL0605	8665.1	2-year	Circular	1.25	0	54.2	900.07	898.83	2.290	18	14.4	9	7.4
		5-year								18	14.5	9	7.4
		10-year								18	14.5	9	7.4
		25-year								18	14.5	9	7.4
		50-year								18	14.5	9	7.4
		100-year								18	14.5	9	7.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 0605	8665.2	2-vear	Trapezoidal	2	30	54.2	905 74	904.08	3 065	23	37	1628	27.1
	0000.2	5-vear	Trapozoidai			01.2	000.11	001.00	0.000	35	3.4	1628	27.1
		10-year								42	3.9	1628	27.1
		25-year								52	4.3	1628	27.1
		50-year								59	4.5	1628	27.1
		100-year								69	4.3	1628	27.1
LSRL0606	8664.1	2-year	Circular	1.25	0	77.4	901.59	900.07	1.964	13	10.8	8	6.9
		5-year								13	10.8	8	6.9
		10-year								13	10.8	8	6.9
		25-year								13	10.8	8	6.9
		50-year								13	10.8	8	6.9
	9664.2	2 voor	Tranazaidal	2	20	77 /	006.24	004 74	2.067	13	10.0	1227	22.2
LSKL0000	0004.2	2-year 5-year	Паредониан	2	30	11.4	900.34	904.74	2.007	37	3.2	1337	22.3
		10-vear								44	3.2	1337	22.3
		25-vear								53	3.3	1337	22.3
		50-year								61	4.0	1337	22.3
		100-year								70	4.0	1337	22.3
LSRL0607	8663.1	2-year	Circular	1.25	0	40.2	903.02	901.59	3.556	12	9.7	11	9.2
		5-year								12	9.8	11	9.2
		10-year								12	9.9	11	9.2
		25-year								12	10.0	11	9.2
		50-year								12	9.9	11	9.2
		100-year								12	9.6	11	9.2
LSRL0607	8663.2	2-year	Trapezoidal	2	30	40.2	906.35	905.34	2.512	29	2.2	1474	24.6
		5-year								41	2.3	1474	24.6
		10-year								48	2.3	1474	24.6
		25-year								58	2.7	1474	24.0
		100-year								75	2.9	1474	24.0
L SRI 0701	8333.1	2-vear	Circular	2.5	0	208.0	898 32	803 82	1 505	36	7.9	47	9.5
LOILLOI	0000.1	5-vear	Oncular	2.0	0	230.5	030.02	000.02	1.505	46	9.2	47	9.5
		10-year								48	9.8	47	9.5
		25-year								49	9.9	47	9.5
		50-year								49	9.9	47	9.5
		100-year								49	9.9	47	9.5
LSRL0701	8333.2	2-year	Trapezoidal	1	30	298.9	903.65	902.00	0.552	0	0.0	227	7.6
		5-year								0	0.0	227	7.6
		10-year								4	1.5	227	7.6
		25-year								27	3.3	227	7.6
		50-year								42	3.9	227	7.6
	0204.4	100-year	Circula	0.5		055.0	001.00	000.00	4 000	59	4.5	227	7.6
LSKL0702	8334.1	∠-year	Circular	2.5	0	255.2	901.89	898.32	1.399	32	8.7	45	9.2
		10-vear								44 51	0.8	45	9.2
		25-vear								51	10.4	45 45	9.2
		50-year								50	10.3	45	9.2
		100-year								50	10.1	45	9.2
LSRL0702	8334.2	2-year	Trapezoidal	3	30	255.2	907.89	902.65	2.053	0	0.0	2521	28.0
		5-year								0	0.0	2521	28.0
		10-year								3	0.2	2521	28.0
		25-year								22	1.1	2521	28.0
		50-year								33	1.5	2521	28.0
		100-year								45	1.9	2521	28.0
LSRL0703	8335.1	2-year	Circular	2	0	219.5	907.52	901.89	2.566	32	12.2	34	10.7
		5-year								41	13.0	34	10.7
		10-year								40	12.6	34	10.7
		25-year								40	12.6	34	10.7
		50-year								40	12.5	34	10.7
		100-year								39	12.4	34	10.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L SRI 0703	8335.2	2-vear	Trapezoidal	2	30	219.5	913 52	906.89	3 021	0	0.0	1617	26.9
LOILLOI US	0000.2	5-vear	Trapezoidai	2		210.0	010.02	300.03	5.021	4	2.6	1617	26.9
		10-year								22	4.4	1617	26.9
		25-year								38	5.1	1617	26.9
		50-year								47	4.8	1617	26.9
		100-year								60	5.5	1617	26.9
LSRL0704	8336.1	2-year	Circular	2	0	307.8	912.46	907.52	1.605	32	10.9	27	8.5
		5-year								36	11.6	27	8.5
		10-year								36	11.5	27	8.5
		50-vear								34	10.9	27	0.0 8.5
		100-year								34	10.9	27	8.5
LSRL0704	8336.2	2-year	Trapezoidal	2	30	307.8	918.38	912.52	1.904	0	0.0	1283	21.4
		5-year								21	3.7	1283	21.4
		10-year								32	3.8	1283	21.4
		25-year								45	4.4	1283	21.4
		50-year								54	4.5	1283	21.4
	/	100-year	<u>.</u>							67	4.4	1283	21.4
LSRL0705	8337.1	2-year	Circular	2	0	136.2	914.05	912.46	1.167	31	9.9	23	7.2
		5-year								31	9.9	23	7.2
		25-vear								32	9.9	23	7.2
		50-vear								31	9.8	23	7.2
		100-year								31	9.7	23	7.2
LSRL0705	8337.2	2-year	Trapezoidal	2	30	136.2	919.22	917.38	1.351	1	1.3	1081	18.0
		5-year								32	3.4	1081	18.0
		10-year								42	3.4	1081	18.0
		25-year								55	3.3	1081	18.0
		50-year								64	3.2	1081	18.0
	0000.4	100-year	0		0	007.0	047.00	011.05	4 00 4	//	3.1	1081	18.0
LSRL0706	8338.1	2-year	Circular	2	0	297.6	917.90	914.05	1.294	26	8.3	24	7.6
		10-vear								23	8.0	24	7.0
		25-year								24	7.9	24	7.6
		50-year								24	7.9	24	7.6
		100-year								24	8.0	24	7.6
LSRL0706	8338.2	2-year	Trapezoidal	1	30	297.6	922.23	920.22	0.675	9	2.3	251	8.4
		5-year								25	3.4	251	8.4
		10-year								34	3.8	251	8.4
		25-year								45	4.3	251	8.4
		100-year								54	4.0	251	8.4
LSRI 0707	8339 1	2-vear	Circular	2	n	321.3	919 80	917 90	0 591	24	7.8	16	5.1
LONEOTON	0000.1	5-year		2	0	521.5	010.00	017.00	0.001	24	8.0	16	5.1
		10-year								24	7.9	16	5.1
		25-year								24	7.9	16	5.1
		50-year								23	7.8	16	5.1
		100-year								23	7.2	16	5.1
LSRL0707	8339.2	2-year	Trapezoidal	1	30	321.3	923.88	923.23	0.202	16	2.0	137	4.6
		5-year								30	2.6	137	4.6
		10-year								39	2.9	137	4.6
		50-year								50	3.2	137	4.0
		100-year								70	3.7	137	4.6
LSRL0801	SRL0801A	2-year	Circular	2	0	37.5	898.04	896.70	3.571	45	16.9	23	7.4
		5-year								55	17.5	23	7.4
		10-year								58	18.2	23	7.4
		25-year								58	18.3	23	7.4
		50-year								58	18.3	23	7.4
		100-year								58	18.4	23	7.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRL0801	SRL0801B	2-vear	Trapezoidal	10	. ,	37.5	903 04	903.00	0 100	. ,	0.0	3433	11 4
		5-year				00			500	0	0.0	3433	11.4
		10-year								20	2.7	3433	11.4
		25-year								53	3.5	3433	11.4
		50-year								78	4.2	3433	11.4
		100-year								107	4.6	3433	11.4
LSRL0802	LSRL0802	2-year	Natural	7	6	252.5	900.00	898.04	0.776	40	4.4	3965	5.8
		5-year								65	5.1	3965	5.8
		10-year								83	4.1	3965	5.8
		25-year								110	4.2	3965	5.8
		100-year								153	3.9	3965	5.8
LSRL0803	SRL0803A	2-vear	Circular	2	0	43.3	900.56	900.00	1.292	40	12.6	24	7.6
		5-year								42	13.3	24	7.6
		10-year								42	13.3	24	7.6
		25-year								42	13.4	24	7.6
		50-year								42	13.4	24	7.6
		100-year								43	13.4	24	7.6
LSRL0803	SRL0803B	2-year	Trapezoidal	5	30	43.3	904.00	903.96	0.100	0	0.0	1168	7.8
		5-year								27	2.6	1168	7.8
		10-year								51	3.4	1168	7.8
		25-year								79	4.0	1168	7.8
		50-year								100	4.4	1168	7.8
		100-year	Notural	F	F	227.4	005 72	000 56	1 522	123	4.8	1108	7.8
LSRL0804	LSRL0804	2-year	Naturai	5	5	337.4	905.73	900.56	1.532	22	1.4	8619	7.0
		10-vear								38	1.4	8619	7.0
		25-vear								46	1.4	8619	7.6
		50-year								52	1.4	8619	7.6
		100-year								60	1.4	8619	7.6
LSRL0901	8372.1	2-year	Circular	2	0	163.5	899.70	896.81	1.767	3	4.5	28	8.9
		5-year								4	9.1	28	8.9
		10-year								4	4.6	28	8.9
		25-year								5	4.8	28	8.9
		50-year								6	3.5	28	8.9
	0070.0	100-year	-			400 5	000.05	005.00	0.400	6	3.3	28	8.9
LSRL0901	8372.2	2-year	Irapezoidal	1	30	163.5	906.05	905.89	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		25-vear								0	0.0	95 05	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LSRL0902	8371.1	2-year	Circular	1	0	54.9	901.05	899.70	2.460	3	8.2	5	6.6
		5-year								4	12.6	5	6.6
		10-year								4	8.7	5	6.6
		25-year								5	11.4	5	6.6
		50-year								6	8.6	5	6.6
		100-year								6	8.9	5	6.6
LSRL0902	8371.2	2-year	Trapezoidal	1	30	54.9	906.10	906.05	0.100	0	0.0	92	3.1
		5-year								0	0.0	92	3.1
		10-year								0	0.0	92	3.1
		25-year								0	0.0	92	3.1
		100-year								0	0.0	92	3.1
1 SRI 0003	8370 1	2-vear	Circular	1	0	100.9	dU3 30	901 05	1 240	2	0.0 5.2	92	3.1
LOILLUJUJ	0070.1	5-year	Circular		0	100.0	502.50	501.05	1.240	3	10.6	4	4.7
		10-year								4	7.3	4	4.7
		25-year								5	7.1	4	4.7
		50-year								6	7.2	4	4.7
		100-year								6	17.9	4	4.7

Link Name Conduit Name Period Shape (feet) (feet) (feet) (feet) (%) (cfs) (fps	ty Full Flo (cfs)	n Design w Velocity (fps)
USPL0903 8370 2 2-year Trapezoidal 1 30 100 8 906 30 906 10 0 198 0	10 1	36 45
5-vear 0).0 1	36 4.5
10-year 0	0.0 1	36 4.5
25-year 0).0 1	36 4.5
50-year 0).0 1	36 4.5
100-year 0).0 1	36 4.5
LSRL0904 8369.1 2-year Circular 1 0 65.0 903.98 902.30 2.587 3 1	2.4	5 6.8
5-year 4	7.9	5 6.8
10-year 4	9.3	5 6.8
25-year 5	5.4 7.2	5 6.8
	7.2	5 6.8
USRI 0904 8369 2 2-year Trapezoidal 1 30 65 0 906 98 905 30 2 587 0	.0 4	91 16.4
5-vear 0).0 4	91 16.4
10-year 0	0.0 4	91 16.4
25-year 0	0.0 4	91 16.4
50-year 0).9 4	91 16.4
100-year 2	.4 4	91 16.4
LSRL09A01 SRL09A01A 2-year Circular 2.5 0 94.6 899.65 896.81 3.003 36	3.6	66 13.4
5-year 48	9.8	66 13.4
10-year 50	9.9	66 13.4
25-year 52 1	0.6	66 13.4
50-year 55 1	.1	66 13.4
100-year 59 1	.9	66 13.4
LSRL09A01 SRL09A01B 2-year Trapezoidal 3 30 94.6 906.00 905.89 0.116 0	0.0 6	00 6.7
		00 6.7
		00 6.7
50-vear		00 67
100-year 0).0 0).0 6	00 6.7
LSRL09A02 LSRL09A02 2-year Natural 4.8 10 1257.0 916.18 899.65 1.315 18	.7 15	45 8.2
5-year 26	.9 15	45 8.2
10-year 30	2.0 15	45 8.2
25-year 37	2.1 15	45 8.2
50-year 42	2.1 15	45 8.2
100-year 48	2.1 15	45 8.2
LSRL09A03 SRL09A03A 2-year Circular 2 0 103.7 917.18 916.18 0.964 18	9.2	21 6.6
5-year 25 1	.0	21 6.6
10-year 27 1	.2	21 6.6
25-year 28 1	.3	21 6.6
	.4	21 0.0
ISRI 09403 SRI 09403B 2-year Trapezoidal 1 30 103 7 020 00 010 00 0100	1.0	45 2.0
5-year).4	95 3.2
10-vear 4	.1	95 3.2
25-year 10	.6	95 3.2
50-year 14	.8	95 3.2
100-year 19	2.1	95 3.2
LSRL09B01 LSRL09B01 2-year Circular 1 0 42.3 901.05 899.70 3.193 0	0.0	6 7.5
5-year 0	0.0	6 7.5
10-year 0 -	0.1	6 7.5
25-year 0 -).2	6 7.5
50-year 0 -).4	6 7.5
).6 . 7	6 7.5
LSKL1001 8368.1 2-year Circular 2.67 0 243.0 899.92 896.81 1.280 9	5.7	51 9.2
10.vear 13	1.2	51 9.2
25-vear 10	5.1	51 9.2
50-vear 21	5.5	51 9.2
100-year 25	5.1	51 9.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 1001	8368.2	2-vear	Tranezoidal	1	30	243.0	906.13	905.89	0 100	0	0.0	96	32
LOILLIGOT	0000.2	5-vear	Trapozoidai	•		210.0	000.10	000.00	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRL1002	8446.1	2-year	Circular	1.25	0	41.9	900.50	899.92	1.385	7	7.7	7	5.8
		5-year								10	9.3	7	5.8
		10-year								12	10.1	7	5.8
		25-year								15	12.5	7	5.8
		50-year								17	13.8	7	5.8
I SPI 1002	9446.2	2 year	Tranazaidal	2	20	41.0	006 17	006 12	0.100	20	15.0	7 297	5.0
LORETOUZ	0440.2	5-vear	Паредониа	2	30	41.9	900.17	900.13	0.100	0	0.0	287	4.0
		10-vear								0	0.0	287	4.8
		25-vear								0	0.0	287	4.8
		50-year								0	0.0	287	4.8
		100-year								0	0.0	287	4.8
LSRL1003	8445.1	2-year	Circular	1.25	0	110.4	902.11	900.50	1.458	7	6.8	7	5.9
		5-year								10	8.4	7	5.9
		10-year								11	9.2	7	5.9
		25-year								11	9.2	7	5.9
		50-year								11	9.2	7	5.9
		100-year								11	9.2	7	5.9
LSRL1003	8445.2	2-year	Trapezoidal	2	30	110.4	906.36	906.17	0.172	0	0.0	386	6.4
		5-year								0	0.0	386	6.4
		10-year								0	0.4	386	6.4
		25-year								5	1.3	380	6.4
		100-year								13	1.0	386	6.4
I SRI 1004	8367 1	2-vear	Circular	1 25	0	59.3	903 32	902 11	2 040	7	7.4	000 Q	7.0
LOILEIUU4	0307.1	5-year	Circular	1.20	0		303.32	302.11	2.040	10	7.4	9	7.0
		10-vear								10	8.1	9	7.0
		25-year								10	8.1	9	7.0
		50-year								10	8.1	9	7.0
		100-year								10	8.1	9	7.0
LSRL1004	8367.2	2-year	Trapezoidal	2	30	59.3	906.57	905.36	2.040	0	0.0	1328	22.1
		5-year								2	1.7	1328	22.1
		10-year								8	1.9	1328	22.1
	-	25-year								12	2.2	1328	22.1
		50-year								14	2.2	1328	22.1
	0054.4	100-year	O'mul	0 -		o 10 -	000.07	007.05	0.00-	17	2.3	1328	22.1
LSKL1101	8351.1	2-year	Circular	2.5	0	240.5	899.25	897.00	0.935	40	8.1	37	7.5
		Joyear 10-year								48	9.7	3/	/.5 7 r
		25-vear								57	11.0	3/	7.5
		50-vear								58	11.7	37	7.5
		100-vear								59	11.9	37	7.5
LSRL1101	8351.2	2-year	Trapezoidal	3	30	240.5	906.24	906.00	0.100	0	0.0	556	6.2
		5-year	.,							0	0.0	556	6.2
		10-year								1	0.5	556	6.2
		25-year								11	1.6	556	6.2
		50-year								30	2.4	556	6.2
		100-year								51	3.0	556	6.2
LSRL1102	8350.1	2-year	Circular	2.5	0	240.6	902.72	899.25	1.442	40	9.4	46	9.3
		5-year								48	9.7	46	9.3
		10-year								49	9.9	46	9.3
		25-year								49	10.0	46	9.3
		50-year								50	10.0	46	9.3
		100-year								50	10.0	46	9.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 1102	8350.2	2-vear	Trapezoidal	4	30	240.6	908.64	906.24	0 998	0	0.0	2738	22.8
LOIGETTOL	0000.2	5-vear	Tapozoidai			210.0	000.01	000.21	0.000	0	0.0	2738	22.8
		10-year								20	3.5	2738	22.8
		25-year								31	4.2	2738	22.8
		50-year								51	4.4	2738	22.8
		100-year								71	4.8	2738	22.8
LSRL1103	8347.1	2-year	Circular	2.5	0	155.0	904.87	902.72	1.387	40	10.2	45	9.1
		5-year								52	10.5	45	9.1
		10-year								54	10.9	45	9.1
		25-year								55	11.0	45	9.1
		50-year								55	11.1	45	9.1
I SPI 1102	9247.2	2 voor	Tranazaidal	2	20	155.0	011.04	007.64	2 102	55	0.0	40	9.1 22.0
LOREITOS	0347.2	2-year 5-year	Паредониан	2	30	155.0	911.04	907.04	2.195	0	0.0	1377	23.0
		10-vear								13	0.0	1377	23.0
		25-vear								22	1.1	1377	23.0
		50-year								42	1.9	1377	23.0
		100-year								61	2.6	1377	23.0
LSRL1104	8346.1	2-year	Circular	2	0	122.2	907.85	904.87	2.439	18	7.9	33	10.4
		5-year								26	8.1	33	10.4
		10-year								28	9.0	33	10.4
		25-year								30	9.4	33	10.4
		50-year								31	9.6	33	10.4
		100-year								30	9.6	33	10.4
LSRL1104	8346.2	2-year	Trapezoidal	2	30	122.2	913.52	910.04	2.848	0	0.0	1570	26.2
		5-year								0	0.0	1570	26.2
		10-year								0	0.0	1570	26.2
		25-year								12	0.0	1570	20.2
		100-year								20	0.7	1570	26.2
I SRI 1105	8353 1	2-vear	Circular	2	0	222.7	912.61	907 85	2 137	18	10.2	31	9.8
LOILETTOS	0333.1	5-year	Circular	2	0	222.1	312.01	307.03	2.107	25	10.2	31	9.8
		10-vear								25	10.5	31	9.8
		25-year								31	10.4	31	9.8
		50-year								32	10.5	31	9.8
		100-year								32	10.5	31	9.8
LSRL1105	8353.2	2-year	Trapezoidal	2	30	222.7	917.94	912.52	2.433	0	0.0	1451	24.2
		5-year								0	0.0	1451	24.2
		10-year								0	0.0	1451	24.2
		25-year								0	0.0	1451	24.2
		50-year								12	0.9	1451	24.2
	0057 (100-year	O'muda			450 -	045.05	040.01	4.04	20	1.3	1451	24.2
LSRL1106	8357.1	2-year	Circular	1.75	0	152.7	915.38	912.61	1.814	18	9.6	20	8.2
		10-year								25	10.3	20	8.2
		25-vear								25	10.0	20 20	ຽ.2 ຊາງ
		50-vear								20	11 1	20	8.2
		100-year								27	11.2	20	8.2
LSRL1106	8357.2	2-year	Trapezoidal	2	30	152.7	920.46	916.94	2.305	0	0.0	1412	23.5
		5-year		_						0	0.0	1412	23.5
		10-year								0	0.0	1412	23.5
		25-year								16	3.4	1412	23.5
		50-year								23	3.5	1412	23.5
		100-year								30	3.6	1412	23.5
LSRL1107	8365.1	2-year	Circular	1.5	0	236.5	918.03	915.38	1.120	4	4.7	10	5.8
		5-year								6	5.3	10	5.8
		10-year								7	5.5	10	5.8
		25-year								8	5.8	10	5.8
		50-year								9	5.9	10	5.8
		100-year								11	6.3	10	5.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L SRI 1107	8365.2	2-vear	Trapezoidal	1	30	236 5	922 52	919 46	1 208	0	0.0	3/18	11.6
LOILETTO	0000.2	5-vear	Trapezoidai			200.0	522.00	515.40	1.200	0	0.0	348	11.6
		10-year								0	0.0	348	11.6
		25-year								0	0.0	348	11.6
		50-year								0	0.0	348	11.6
		100-year								0	0.0	348	11.6
LSRL1108	8360.1	2-year	Circular	1.5	0	38.4	918.40	918.03	0.963	4	5.2	10	5.4
		5-year								6	5.8	10	5.4
		10-year								7	6.0	10	5.4
		25-year								8	6.3	10	5.4
		100-year								11	6.6	10	5.4
LSRI 1108	8360.2	2-vear	Trapezoidal	1	30	38.4	921 90	921 53	0.963	0	0.0	299	10.0
201121100	000012	5-year	rapozoidai				021100	02.1.00	0.000	0	0.0	299	10.0
		10-year								0	0.0	299	10.0
		25-year								0	0.0	299	10.0
		50-year								0	0.0	299	10.0
		100-year								0	0.0	299	10.0
LSRL1109	LSRL1109	2-year	Circular	1.25	0	160.1	919.99	918.40	0.993	4	5.2	6	4.9
		5-year								6	5.8	6	4.9
		10-year								7	5.9	6	4.9
		25-year								8	6.9	6	4.9
		50-year								9	7.0	6	4.9
I SPI 1110	I SPI 1110	2-vear	Circular	1 25	0	46.4	020.40	010 00	1 077	11	5.1	0	4.9
LOKETTIO	LORETTIO	5-year	Circulai	1.25	0	40.4	920.49	919.99	1.077	6	5.1	6	5.1
		10-vear								7	5.5	6	5.1
		25-year								8	6.5	6	5.1
		50-year								9	7.4	6	5.1
		100-year								11	8.4	6	5.1
LSRL11A01	LSRL11A01	2-year	Circular	1.25	0	31.0	904.14	902.72	4.582	1	1.5	13	10.5
		5-year								8	6.3	13	10.5
		10-year								8	6.2	13	10.5
		25-year								7	6.0	13	10.5
		50-year								8	6.3	13	10.5
1 SPI 11402	L SPI 11402	2-vear	Circular	1 25	0	25.1	904 65	904 14	2 036	0	0.1	13	7.0
LORETTAUZ	LORLITAUZ	5-vear	Circulai	1.25	0	25.1	904.05	904.14	2.030	6	5.4	9	7.0
		10-vear								6	5.1	9	7.0
		25-year								6	5.0	9	7.0
		50-year								6	5.4	9	7.0
		100-year								6	5.0	9	7.0
LSRL11B01	LSRL11B01	2-year	Circular	1.25	0	33.8	907.47	904.87	7.692	0	0.0	17	13.6
		5-year								7	6.1	17	13.6
		10-year								7	6.3	17	13.6
		25-year								6	5.3	17	13.6
		50-year								6	5.6	17	13.6
		2-vear	Circular	1 05		57.0	000 00	007 05	2 1 1 2	6	5.2	17	13.6
LONLIICUI	LONLIICUI	∠-year 5-vear		1.20	0	57.2	909.0Z	301.05	3.443	<u></u> ว	3.7	11	9.1
		10-year								-3	3.3	11	9.1
		25-year								5	3.9	11	9.1
		50-year								5	4.0	11	9.1
		100-year								4	4.8	11	9.1
LSRL11C02	LSRL11C02	2-year	Circular	1.25	0	31.3	910.25	909.82	1.373	0	0.0	7	5.7
		5-year								-1	1.9	7	5.7
		10-year								-2	-2.5	7	5.7
		25-year								3	3.5	7	5.7
		50-year								3	3.2	7	5.7
		100-year								3	2.8	7	5.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Circular	1.25	(,	25.2	012.09	012.61	2 909	(0.0)	0.0	(0.0)	0.6
LOKETIDOT	LOILETIDOT	5-vear	Circular	1.25	0	55.2	313.30	312.01	5.030	1	1.2	12	9.0
		10-vear								2	1.6	12	9.6
		25-vear								2	1.8	12	9.6
		50-year								2	1.6	12	9.6
		100-year								2	2.0	12	9.6
LSRL11E01	LSRL11E01	2-year	Circular	1.25	0	30.1	913.35	912.61	2.458	0	-0.1	9	7.7
		5-year								1	0.9	9	7.7
		10-year								1	1.0	9	7.7
		25-year								2	2.0	9	7.7
		50-year								2	1.7	9	7.7
		100-year								2	1.6	9	7.7
LSRL11F01	LSRL11F01	2-year	Circular	1.25	0	48.5	916.54	915.38	2.394	0	0.3	9	7.6
		5-year								4	3.4	9	7.6
		10-year								6	5.0	9	7.6
		25-year								5	4.3	9	7.6
		50-year								6	4.6	9	7.6
		100-year	O'mul	1.0-		10 -	047.45	040 5	0.10-	6	5.1	9	7.6
LSRL11F02	LSRL11F02	2-year	Circular	1.25	0	42.3	917.47	916.54	2.199	0	0.0	9	7.2
		5-year								4	4.1	9	7.2
		10-year								4	4.9	9	7.2
		25-year								5	4.8	9	7.2
		100-year								5	4.9	9	7.2
I SPI 1201	8332.1	2-vear	Circular	2	0	173 5	800.20	807 /5	1.061	12	5.1	3	6.0
LORLIZUI	0332.1	2-year	Circulai	2	0	173.5	099.29	097.45	1.001	23	7.5	22	6.9
		10-vear								23	7.5	22	6.9
		25-vear								23	7.5	22	6.9
		50-year								23	7.5	22	6.9
		100-year								23	7.6	22	6.9
LSRL1201	8332.2	2-year	Trapezoidal	2	30	173.5	902.00	901.83	0.100	0	-0.2	291	4.9
		5-year								-27	-1.8	291	4.9
		10-year								-22	-1.3	291	4.9
		25-year								-21	-1.2	291	4.9
		50-year								-21	-1.1	291	4.9
		100-year								-21	1.5	291	4.9
LSRL1202	8374.1	2-year	Circular	1.25	0	27.0	899.55	899.29	0.963	12	10.3	6	4.8
		5-year								15	12.0	6	4.8
		10-year								15	12.1	6	4.8
		25-year								15	12.1	6	4.8
		50-year								15	12.1	6	4.8
	0074.0	100-year	T				000.05	000.05	0.10-	15	12.1	6	4.8
LSRL1202	8374.2	2-year	ı rapezoidal	4	30	27.0	902.03	902.00	0.100	0	0.0	914	7.6
		o-year								4	1.4	914	7.6
		25-vear								14	2.1	914	7.6
		50-year								23	2.0	914 Q17	7.0
		100-year								31	2.0	914	7.5
LSRI 1601	8329 1	2-year	Circular	2	n	159.6	910.07	908 44	1 022	13	5.0	21	6.8
LONCIOUT	0020.1	5-year		2	0	100.0	010.07	000.44	1.022	18	6.6	21	6.8
		10-year								21	6.9	21	6.8
		25-year								25	7.6	21	6.8
		50-year								26	8.1	21	6.8
		100-year								26	8.2	21	6.8
LSRL1601	8329.2	2-year	Trapezoidal	1	30	159.6	913.97	913.81	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								2	0.7	96	3.2
		100-year								12	1.7	96	3.2
Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
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I SRI 1602	8328.1	2-vear	Circular	1	·,	28/ 9	916 /6	910.07	2 2/4	(77	,	6.2
LOILETOOZ	0320.1	5-year	Circular		0	204.0	310.40	310.07	2.244	6	7.7	5	6.3
		10-year								6	7.7	5	6.3
		25-year								6	7.6	5	6.3
		50-year								6	7.7	5	6.3
		100-year								6	7.6	5	6.3
LSRL1602	8328.2	2-year	Trapezoidal	2	30	284.8	919.21	912.74	2.272	7	3.0	1402	23.4
		5-year								13	3.8	1402	23.4
		10-year								20	4.4	1402	23.4
		25-year								28	5.0	1402	23.4
		100-year								30	4.5	1402	23.4
I SRI 1701	8375 1	2-vear	Circular	2	0	125.5	910.56	909.33	0.980	22	7.3	21	6.6
201121101		5-year	onoului				0.000	000.00	0.000	22	7.3	21	6.6
		10-year								22	7.3	21	6.6
		25-year								22	7.3	21	6.6
		50-year								22	7.3	21	6.6
		100-year								22	7.3	21	6.6
LSRL1701	8375.2	2-year	Trapezoidal	4	30	125.5	915.39	915.26	0.100	13	1.8	869	7.2
		5-year								40	2.8	869	7.2
		10-year								52	3.2	869	7.2
		25-year								68	3.5	869	7.2
		50-year								80	3.8	860	7.2
I SRI 1702	8327 1	2-vear	Circular	2	0	138.9	916.09	910 56	3 982	34	4.1	42	13.3
LOILETTUZ	0327.1	5-year	Circular	2		130.3	310.03	310.50	5.302	39	12.4	42	13.3
		10-year								39	12.4	42	13.3
		25-year								39	12.4	42	13.3
		50-year								39	12.4	42	13.3
		100-year								39	12.4	42	13.3
LSRL1702	8327.2	2-year	Trapezoidal	5	30	138.9	920.42	914.39	4.343	0	0.0	8008	53.4
		5-year								22	1.0	8008	53.4
		10-year								35	1.4	8008	53.4
		25-year								51	1.9	8008	53.4
		50-year								78	2.2	8008	53.4
I SRI 1703	8326.1	2-vear	Circular	2	0	74.6	917 45	916.09	1 824	34	11.3	28	9.0
LOILETTOS	0320.1	5-year	Circular	2	0	74.0	317.43	310.03	1.024	36	11.3	20	9.0
		10-year								37	11.4	28	9.0
		25-year								36	11.4	28	9.0
		50-year								36	11.4	28	9.0
		100-year								36	11.4	28	9.0
LSRL1703	8326.2	2-year	Trapezoidal	2	30	74.6	921.53	919.42	2.830	0	0.0	1565	26.1
		5-year								34	2.3	1565	26.1
		10-year								47	2.8	1565	26.1
		25-year								62	3.2	1565	26.1
		100-year								14 00	3.4	1565	26.1 26.1
SRI 1704	8325 1	2-vear	Circular	2	n	201 2	924 48	917 45	2 414	90 90	3.9 Q 2	1000	10 /
20111104	5525.1	5-year	Jirodia	2	0	201.0	527.40	517.40	2.414	32	10.0	33	10.4
		10-year								32	10.0	33	10.4
		25-year								32	10.0	33	10.4
		50-year								32	10.0	33	10.4
		100-year								32	10.0	33	10.4
LSRL1704	8325.2	2-year	Trapezoidal	2	30	291.3	928.15	920.53	2.616	0	0.0	1504	25.1
		5-year								7	0.4	1504	25.1
		10-year								14	0.8	1504	25.1
		25-year								24	1.2	1504	25.1
		100-year								31	1.5	1504	25.1
	l	i uu-yeai	l							41	1.9	1504	20.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 1705	8324 1	2-vear	Circular	. ,	· · /	61 /	925 58	924 48	1 700	26	10.6	. , 28	,, ۵۵
LOILEITOO	0021.1	5-vear	onoului			01.1	020.00	021.10	1.100	31	10.6	28	8.9
		10-year								31	10.6	28	8.9
		25-year								32	10.6	28	8.9
		50-year								32	10.6	28	8.9
		100-year								32	10.5	28	8.9
LSRL1705	8324.2	2-year	Trapezoidal	2	30	61.4	928.16	927.15	1.644	0	0.0	1192	19.9
		5-year								28	2.4	1192	19.9
		10-year								36	2.0	1192	19.9
		25-year								40 53	2.3	1192	19.9
		100-year								63	2.5	1192	19.9
LSRI 17A01	L SRI 17A01	2-vear	Circular	2	0	29.9	916 81	916.09	2 406	2	0.9	33	10.0
20112117101	2011217101	5-year	onoului			2010	0.0101	0.0.00	2	2	1.0	33	10.4
		10-year								2	0.8	33	10.4
		25-year								2	0.7	33	10.4
		50-year								2	0.8	33	10.4
		100-year								2	0.7	33	10.4
LSRL17B01	LSRL17B01	2-year	Circular	2	0	64.4	918.18	917.45	1.134	5	1.8	22	7.1
		5-year								5	1.9	22	7.1
		10-year								5	1.8	22	7.1
		25-year								5	1.7	22	7.1
		50-year								5	1.8	22	7.1
I SPI 1801	I SPI 1801	2-vear	Natural	6	10	246.8	916 74	012 78	1 605	103	2.5	/037	11.8
LOKETOUT	LISKE 1601	2-year 5-year	Indiurai	0	10	240.0	910.74	912.70	1.005	103	2.5	4937	11.0
		10-vear								172	2.8	4937	11.8
		25-year								202	2.8	4937	11.8
		50-year								228	2.9	4937	11.8
		100-year								253	2.9	4937	11.8
LSRL1802	SRL1802A	2-year	Circular	3.5	0	74.3	918.60	916.74	2.504	52	11.0	86	9.0
		5-year								72	12.2	86	9.0
		10-year								86	12.9	86	9.0
		25-year								101	14.4	86	9.0
		50-year								114	15.9	86	9.0
I SPI 1802	SPI 1802B	2-vear	Tranazoidal	1	30	74 3	028.00	027.03	0 100	127	0.0	06	9.0
LORLIOUZ	SKL1602B	5-vear	Паредониан		30	74.5	920.00	921.93	0.100	0	0.0	90	3.2
		10-vear								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRL1803	LSRL1803	2-year	Natural	8	10	416.4	924.00	918.60	1.297	83	4.3	3344	8.4
		5-year								118	4.6	3344	8.4
		10-year								142	4.5	3344	8.4
		25-year								174	4.4	3344	8.4
		50-year								198	4.3	3344	8.4
1 SPI 1904	SDI 1904	2-vear	Natural	0	10	207 F	021 20	024 00	0 000	221	4.2	007	0.4
LONL1004	LONL 1004	∠-year 5-vear	inatural	8	12	221.5	924.20	524.00	0.008	52 80	1.8	997 907	2.1
		10-year								105	2.1	997	2.1
		25-year								129	2.4	997	2.1
		50-year								146	2.6	997	2.1
		100-year								167	2.7	997	2.1
LSRL1805	8321.1	2-year	Circular	2.5	0	315.6	925.00	924.20	0.254	36	7.9	19	3.9
		5-year								38	8.1	19	3.9
		10-year								38	8.0	19	3.9
		25-year								38	8.0	19	3.9
		50-year								38	8.0	19	3.9
		100-year								38	8.1	19	3.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 1805	8321.2	2-vear	Trapezoidal	<u>л</u>	30	215.6	920 00	928 69	0 100	0	0.4	Q72	7 2
LOIKE1000	0021.2	5-vear	Trapezoidai			010.0	525.00	520.00	0.100	15	1.7	873	7.3
		10-year								26	2.2	873	7.3
		25-year								44	2.7	873	7.3
		50-year								55	3.0	873	7.3
		100-year								69	3.3	873	7.3
LSRL1806	8320.1	2-year	Circular	2.5	0	206.3	930.09	925.00	2.468	42	10.0	60	12.2
		5-year								54	11.0	60	12.2
		10-year								64	12.9	60	12.2
		25-year								66	13.4	60	12.2
		50-year								67	13.5	60	12.2
	8320.2	2 voor	Tranazaidal	5	20	206.2	025 50	028.00	2 690	07	13.5	7272	12.2
LSKL1800	0320.2	2-year 5-year	Паредониа	5	30	200.3	935.59	928.00	3.000	0	0.0	7372	49.1
		10-vear								0	0.0	7372	49.1
		25-vear								16	0.0	7372	49.1
		50-year								26	1.0	7372	49.1
		100-year								40	1.4	7372	49.1
LSRL1807	8319.1	2-year	Circular	2.5	0	160.4	930.70	930.09	0.380	32	7.7	23	4.8
		5-year								45	9.2	23	4.8
		10-year								46	9.2	23	4.8
		25-year								46	9.1	23	4.8
		50-year								45	9.1	23	4.8
		100-year								45	9.0	23	4.8
LSRL1807	8319.2	2-year	Trapezoidal	2	30	160.4	935.02	934.59	0.268	0	0.0	482	8.0
		5-year								2	1.1	482	8.0
		10-year								36	2.8	482	8.0
		25-year								55	2.8	482	8.0
		100-year								71	2.0	402	8.0 8.0
I SRI 1808	8318 1	2-vear	Circular	2.5	0	54.8	930 91	930 70	0 383	31	6.5	24	4.8
LOIKE1000	0010.1	5-vear	Oncolar	2.0	0	54.0	330.31	550.70	0.000	50	10.1	24	4.8
		10-year								50	10.2	24	4.8
		25-year								53	10.6	24	4.8
		50-year								53	10.7	24	4.8
		100-year								53	10.7	24	4.8
LSRL1808	8318.2	2-year	Trapezoidal	2	30	54.8	936.41	934.02	4.361	0	0.0	1942	32.4
		5-year								0	0.0	1942	32.4
		10-year								0	0.0	1942	32.4
		25-year								15	0.6	1942	32.4
		50-year								23	0.9	1942	32.4
	0047.4	100-year	Creatie	0.5	1	00.0	000.40	000.01	0.400	33	1.2	1942	32.4
LSKL1809	8017.1	∠-year	Special	2.5	1.58	68.2	932.40	930.91	2.183	31	9.9	32	9.7
		10-vear								35	10.5	32	9.7
		25-vear								<u>२</u> /	10.4	32	9.7
		50-year								34	10.3	32	9.7
		100-year								33	10.1	32	9.7
LSRL1809	8017.2	2-year	Trapezoidal	2	30	68.2	935.57	935.41	0.234	0	0.0	450	7.5
		- 5-year								32	2.8	450	7.5
		10-year								47	2.9	450	7.5
		25-year								58	2.9	450	7.5
		50-year								65	3.0	450	7.5
		100-year								74	3.0	450	7.5
LSRL18A01	8322.1	2-year	Circular	2	0	388.9	926.26	924.00	0.581	23	7.3	16	5.1
		5-year								27	8.5	16	5.1
		10-year								28	8.9	16	5.1
		25-year								28	9.0	16	5.1
		50-year								28	9.1	16	5.1
		100-year								28	9.1	16	5.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
L SRI 18401	8322.2	2-vear	Trapezoidal	1	30	388.0	932.26	932.00	0.067	0	0.0	70	26
LOKETOAOT	0022.2	5-vear	Trapezoidai			000.0	332.20	332.00	0.007	2	0.7	79	2.6
		10-year								9	1.3	79	2.6
		25-year								19	1.8	79	2.6
		50-year								26	2.0	79	2.6
		100-year								34	2.3	79	2.6
LSRL18A02	8425.1	2-year	Circular	2	0	47.4	927.66	926.26	2.954	23	7.9	36	11.5
		5-year								29	9.2	36	11.5
		10-year								30	9.6	36	11.5
		50-year								32	9.9	36	11.5
		100-year								32	10.1	36	11.5
LSRL18A02	8425.2	2-year	Trapezoidal	2	30	47.4	932.66	931.26	2.954	0	0.0	1598	26.6
		5-year								12	0.8	1598	26.6
		10-year								23	1.2	1598	26.6
		25-year								35	1.5	1598	26.6
		50-year								44	1.8	1598	26.6
		100-year								55	2.1	1598	26.6
LSRL18A03	8424.1	2-year	Circular	2	0	44.1	927.85	927.66	0.431	23	8.5	14	4.4
		5-year								24	0.5 8.6	14	4.4
		25-vear								24	8.6	14	4.4
		50-year								20	8.7	14	4.4
		100-year								24	8.8	14	4.4
LSRL18A03	8424.2	2-year	Trapezoidal	2	30	44.1	931.85	931.66	0.431	0	0.0	610	10.2
		5-year								33	2.2	610	10.2
		10-year								40	2.2	610	10.2
		25-year								48	2.2	610	10.2
		50-year								54	2.2	610	10.2
		100-year	Transsidal		5	200.0	005.00	045 47	4 405	63	2.2	610	10.2
LSRL1901	LSRL1901	2-year 5-year	Trapezoidai	2	5	228.2	925.02	915.47	4.185	13	4.0	221	10.1
		10-vear								22	4.9	221	10.1
		25-year								27	5.3	221	10.1
		50-year								30	5.5	221	10.1
		100-year								34	5.9	221	10.1
LSRL1902	8378.1	2-year	Circular	2	0	254.0	925.17	925.02	0.059	13	6.8	5	1.6
		5-year								15	7.5	5	1.6
		10-year								16	7.6	5	1.6
		25-year								17	7.1	5	1.6
		100-vear								17	7.8 7.8	5	1.0
LSRL1902	8378.2	2-year	Trapezoidal	1	30	254 0	929 50	927.02	0.976	0	,.0 0 0	301	10.0
		5-year							5.0.0	3	1.7	301	10.0
		10-year								6	2.2	301	10.0
		25-year								10	2.6	301	10.0
		50-year								13	2.9	301	10.0
		100-year								17	3.2	301	10.0
LSRL1903	8323.1	2-year	Circular	2	0	61.2	927.67	925.17	4.086	13	5.8	42	13.5
		5-year								19	6.1	42	13.5
		25-vear								22	7.1 8.5	42 42	13.5
		50-vear								30	9.5	42	13.5
		100-year								32	10.0	42	13.5
LSRL1903	8323.2	2-year	Trapezoidal	2	30	61.2	931.00	929.50	2.452	0	0.0	1456	24.3
		5-year								0	0.0	1456	24.3
		10-year								0	0.0	1456	24.3
		25-year								0	0.0	1456	24.3
		50-year								0	0.0	1456	24.3
		100-year								3	0.9	1456	24.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRI 2001	LSRI 2001	2-vear	Tranezoidal	8	15	137.0	922.92	921 32	1 168	37	22	0080	12.1
LOILLEGOT	LOILLEUUT	5-vear	Trapozoidar	0		107.0	022.02	021.02	1.100	55	2.2	9989	12.1
		10-year								65	2.4	9989	12.1
		25-year								78	2.6	9989	12.1
		50-year								88	2.8	9989	12.1
		100-year								102	2.9	9989	12.1
LSRL2002	8016.1	2-year	Special	2.33	2.67	314.9	926.16	922.92	1.029	31	7.1	33	5.1
		5-year								34	7.5	33	5.1
		10-year								36	7.6	33	5.1
		50-vear								38	7.8	 33	5.1
		100-year								39	7.9	33	5.1
LSRL2002	8016.2	2-year	Trapezoidal	1	30	314.9	931.58	931.00	0.184	6	1.4	131	4.4
		5-year								21	2.2	131	4.4
		10-year								29	2.6	131	4.4
		25-year								41	2.9	131	4.4
		50-year								50	3.2	131	4.4
		100-year								62	3.5	131	4.4
LSRL2003	8317.1	2-year	Circular	2	0	65.9	926.92	926.16	1.153	28	8.9	23	7.2
		5-year								32	10.0	23	7.2
		25-vear								33	10.2	23	7.2
		50-vear								33	10.6	23	7.2
		100-year								32	10.1	23	7.2
LSRL2003	8317.2	2-year	Trapezoidal	2	30	65.9	931.65	931.58	0.100	25	2.4	294	4.9
		5-year								43	3.1	294	4.9
		10-year								53	3.4	294	4.9
		25-year								67	3.7	294	4.9
		50-year								77	3.9	294	4.9
	0077.4	100-year	o:			0.40 7	00445	007.04	0.040	91	4.1	294	4.9
LSRL2101	8377.1	2-year	Circular	2	0	240.7	934.45	927.61	2.842	26	10.2	35	11.3
		5-year 10-vear								30 45	12.0	35	11.3
		25-year								48	15.2	35	11.3
		50-year								48	15.2	35	11.3
		100-year								49	15.3	35	11.3
LSRL2101	8377.2	2-year	Trapezoidal	3	30	240.7	942.74	942.50	0.100	0	0.0	557	6.2
		5-year								0	0.0	557	6.2
		10-year								0	0.0	557	6.2
		25-year								8	1.3	557	6.2
		50-year								16	1.8	557	6.2
LSRI 2102	8363.1	2-vear	Circular	2	0	110 6	935 00	934 45	1 212	27	2.3 Q 7	22	0.2 7 /
	0000.1	5-vear	Jirodiai	2	0	119.0	555.80	554.45	1.213	27	9.7 12.0	23	7.4
		10-year								40	12.6	23	7.4
		25-year								40	12.7	23	7.4
		50-year								40	12.7	23	7.4
		100-year								40	12.7	23	7.4
LSRL2102	8363.2	2-year	Trapezoidal	4	30	119.6	942.86	942.74	0.100	0	0.0	869	7.2
		5-year								0	0.0	869	7.2
		10-year								20	2.1	869	7.2
		∠5-year								42	2.9	869	7.2
		100-vear								50 61	3.1	860	7.2
LSRL2103	8364.1	2-year	Circular	2	n	80.5	936 72	935.90	1.019	27	8.3	21	6.8
		5-year								36	11.3	21	6.8
		10-year								36	11.4	21	6.8
		25-year								36	11.5	21	6.8
		50-year								37	11.6	21	6.8
		100-year								37	11.5	21	6.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRI 2103	8364.2	2-vear	Trapezoidal	. ,	30	80 5	942 94	942.86	0 100	,	0.0	558	62
LOIKE2100	0004.2	5-year	Trapezoidai	5		00.0	542.54	342.00	0.100	13	1.8	558	6.2
		10-vear								35	2.7	558	6.2
		25-year								47	2.8	558	6.2
		50-year								54	2.9	558	6.2
		100-year								64	3.0	558	6.2
LSRL3C01	LSRL3C01	2-year	Circular	2	0	26.7	887.03	885.02	7.531	5	2.7	58	18.3
		5-year								5	2.7	58	18.3
		10-year								5	2.5	58	18.3
		25-year								4	2.5	58	18.3
		50-year								4	2.1	58	18.3
		100-year								4	2.1	58	18.3
LSRMC01	LSRMC01	2-year	Natural	12	15	95.6	866.00	860.95	5.281	962	14.0	38439	35.3
		5-year								1273	15.2	38439	35.3
		10-year								1452	15.8	38439	35.3
		50-vear								1850	17.0	38439	35.3
		100-vear								2061	17.5	38439	35.3
LSRMC04	SRMC04A	2-vear	Rectangular	10	10	260.3	871.15	866.00	1.979	899	27.2	2750	27.5
		5-year	,							1210	30.3	2750	27.5
		10-year								1388	31.9	2750	27.5
		25-year								1613	33.7	2750	27.5
		50-year								1787	35.0	2750	27.5
		100-year								1998	36.5	2750	27.5
LSRMC04	SRMC04B	2-year	Trapezoidal	1	30	260.3	893.26	893.00	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
1001005	1004005	100-year	N a true l		40	400.4	074.07	074.45	0.4.44	0	0.0	96	3.2
LSRMC05	LSRMC05	2-year	Naturai	14	10	499.4	871.87	871.15	0.144	1250	1.8	27197	7.4
		10-vear								1425	1.9	27197	7.4
		25-vear								1654	1.0	27197	7.4
		50-vear								1839	2.0	27197	7.4
		100-year								2067	2.0	27197	7.4
LSRMC06	LSRMC06	2-year	Natural	7	5	1289.2	879.65	871.87	0.603	924	6.1	2883	7.8
		5-year								1249	6.5	2883	7.8
		10-year								1417	6.7	2883	7.8
		25-year								1633	6.8	2883	7.8
		50-year								1811	6.9	2883	7.8
		100-year								2024	7.1	2883	7.8
LSRMC07	SRMC07A	2-year	Rectangular	6.5	9	83.3	880.54	879.65	1.069	441	10.5	980	16.8
		5-year								592	12.5	980	16.8
		10-year								673	13.5	980	16.8
		25-year								176	15.0	980	16.8
		50-year								030	10.0	980	16.8
LSRMC07	SRMC07B	2-vear	Trapezoidal	2	30	83.3	887 35	886 00	1 621	909	0.0	118/	10.0
Lonwoor		5-year		2		00.0	001.00	000.00	1.021	0	0.0	1184	19.7
		10-year								0	0.0	1184	19.7
		25-year								0	0.0	1184	19.7
		50-year								0	0.0	1184	19.7
		100-year								0	0.0	1184	19.7
LSRMC08	SRMC08A	2-year	Rectangular	6.5	9	34.1	880.90	880.54	1.056	405	10.9	974	16.7
		5-year								544	12.4	974	16.7
		10-year								616	13.3	974	16.7
		25-year								710	14.6	974	16.7
		50-year								780	15.6	974	16.7
		100-year								863	17.1	974	16.7

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC08	SRMC08B	2-vear	Trapezoidal	1	30	34.1	887.38	887.35	0.100	0	0.0	90	3.0
		5-year				• • • •				0	0.0	90	3.0
		10-year								0	0.0	90	3.0
		25-year								0	0.0	90	3.0
		50-year								0	0.0	90	3.0
	LODMOOD	100-year	Netural	7	45	140.4	000.00	000.00	0.000	0	0.0	90	3.0
LSRIVICUS	LORINICUS	z-year	เงลเนเลเ		15	440.4	002.00	860.90	0.399	1012	12.2	2243	0.0 8.8
		10-vear								1137	12.2	2243	8.8
		25-year								1306	13.0	2243	8.8
		50-year								1428	13.3	2243	8.8
		100-year								1579	13.7	2243	8.8
LSRMC10	SRMC10A	2-year	Rectangular	6.5	8.5	108.4	883.69	882.68	0.932	380	12.7	851	15.4
		5-year								506	14.2	851	15.4
		10-year 25-year								653	14.9	851	15.4
		50-year								714	16.5	851	15.4
		100-year								785	17.3	851	15.4
LSRMC10	SRMC10B	2-year	Trapezoidal	1	30	108.4	890.00	889.89	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		100-year								0	0.0	97	3.2
LSRMC11	LSRMC11	2-vear	Natural	8	15	300.3	884 43	883 69	0 246	760	10.0	3843	7.9
Lorano	20141011	5-year	- tatara				001110	000.00	0.2.10	1011	10.7	3843	7.9
		10-year								1137	10.9	3843	7.9
		25-year								1305	11.0	3843	7.9
		50-year								1428	11.1	3843	7.9
		100-year								1568	11.2	3843	7.9
LSRMC12	SRMC12A	2-year	Rectangular	6.5	7.5	291.8	885.10	884.43	0.230	298	11.0	359	7.4
		10-vear								447	12.3	359	7.4
		25-year								537	14.0	359	7.4
		50-year								589	14.4	359	7.4
		100-year								682	14.7	359	7.4
LSRMC12	SRMC12B	2-year	Trapezoidal	1	30	291.8	893.60	892.00	0.548	0	0.0	226	7.5
		5-year								0	0.0	226	7.5
		10-year								0	0.0	226	7.5
		50-year								0	0.0	226	7.5
		100-year								0	0.0	226	7.5
LSRMC13	SRMC13A	2-year	Rectangular	5.33	9	81.9	889.71	885.10	5.632	294	13.1	1703	35.5
		5-year								379	14.3	1703	35.5
		10-year								430	15.0	1703	35.5
		25-year								491	16.0	1703	35.5
		50-year								524	15.7	1703	35.5
LSRMC13	SRMC13B	2-vear	Trapezoidal	1	२ ∩	<u>81 0</u>	895 04	893 60	1 750	123 N	10.0	405	30.5 13 5
Lontworts	ORMOTOD	5-vear	Trapezoidai		50	01.5	000.04	000.00	1.755	0	0.0	405	13.5
		10-year								0	0.0	405	13.5
		25-year								0	0.0	405	13.5
		50-year								0	0.0	405	13.5
		100-year								0	0.0	405	13.5
LSRMC14	LSRMC14	2-year	Natural	6	9	133.3	890.00	889.71	0.217	234	11.2	6259	7.8
		o-year								303	11.3	6259	/.8 7 8
l		25-vear			l					418	11.3	6259	7.8
		50-year								453	11.3	6259	7.8
		100-year								615	11.3	6259	7.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC15	SRMC15A	2-vear	Rectangular	5	10.5	266.0	890 15	890.00	0.056	234	76	188	3.6
Lorano io		5-vear	rtootarigalai	0	10.0	200.0	000.10	000.00	0.000	303	9.0	188	3.6
		10-year								366	10.2	188	3.6
		25-year								413	10.9	188	3.6
		50-year								452	10.9	188	3.6
		100-year								616	12.0	188	3.6
LSRMC15	SRMC15B	2-year	Trapezoidal	1	30	266.0	896.00	895.73	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		2 voor	Natural	6	0	124.0	901.05	900 15	0.667	224	0.0	97	3.2
LORIVICTO	LORIVICTO	2-year 5-year	เงิงเนเลเ	0		134.9	091.05	890.15	0.007	303	9.0	3161	9.4
		10-vear								366	11.3	3161	9.4
		25-vear								414	11.7	3161	9.4
		50-year								453	11.7	3161	9.4
		100-year								609	11.9	3161	9.4
LSRMC18	SRMC18A	2-year	Rectangular	5	9	56.7	891.24	891.05	0.335	234	9.7	379	8.4
		5-year								303	10.5	379	8.4
		10-year								366	11.5	379	8.4
		25-year								412	11.9	379	8.4
		50-year								452	11.9	379	8.4
		100-year								609	12.5	379	8.4
LSRMC18	SRMC18B	2-year	Trapezoidal	1	30	56.7	898.00	897.94	0.100	0	0.0	99	3.3
		5-year								0	0.0	99	3.3
		10-year								0	0.0	99	3.3
		25-year								0	0.0	99	3.3
		100-year								0	0.0	99	3.3
LSRMC19	SRMC194	2-vear	Rectangular	4 75	6	179 5	801 84	891 24	0 334	117	7.3	211	7.4
LOIGING 19	SIGNOTION	5-year	Rectangular	4.75	0	175.5	031.04	031.24	0.334	151	7.5	211	7.4
		10-vear								183	8.6	211	7.4
		25-year								205	8.8	211	7.4
		50-year								226	8.8	211	7.4
		100-year								304	10.3	211	7.4
LSRMC19	SRMC19B	2-year	Trapezoidal	1	30	179.5	899.00	898.00	0.557	0	0.0	228	7.6
		5-year								0	0.0	228	7.6
		10-year								0	0.0	228	7.6
		25-year								0	0.0	228	7.6
		50-year								0	0.0	228	7.6
LODMOSS	10014000	100-year	Natur-1		1 000	F00 6	000.00	001.01	0.000	0	0.0	228	7.6
LSRMC20	LSRMC20	2-year	INATURA	10	1.833	508.2	893.82	891.84	0.390	467	12.2	44121	17.2
		10-year								704	12.2	44121	17.2
		25-vear								184 042	12.2	44121 44121	17.2
		50-vear								1085	12.2	44121	17.2
		100-year								1239	12.2	44121	17.2
LSRMC22	SRMC22A	2-year	Rectangular	6	6	530.6	896.70	893.82	0.543	145	7.2	369	10.2
		5-year								201	8.5	369	10.2
		10-year								247	9.2	369	10.2
		25-year								294	9.7	369	10.2
		50-year								330	10.3	369	10.2
		100-year								368	11.2	369	10.2
LSRMC22	SRMC22B	2-year	Trapezoidal	1	30	530.6	903.00	902.00	0.188	0	0.0	132	4.4
		5-year								0	0.0	132	4.4
		10-year								0	0.0	132	4.4
		25-year								0	0.0	132	4.4
		50-year								0	0.0	132	4.4
		100-year								0	0.0	132	4.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I SRMC23	LSRMC23	2-vear	Natural	10	19	172 8	896.81	896 70	0.064	305	4.4	24082	6.8
Lontinozo	LOIMIOLO	5-vear	- tatara	10	10	172.0	000.01	000.10	0.001	550	4.5	24982	6.8
		10-year								673	4.5	24982	6.8
		25-year								798	4.4	24982	6.8
		50-year								877	4.4	24982	6.8
		100-year								1001	4.4	24982	6.8
LSRMC24	SRMC24A	2-year	Rectangular	6	8	111.1	897.00	896.81	0.171	178	6.3	302	6.3
		5-year								254	7.7	302	6.3
		10-year								313	8.8	302	6.3
		25-year								371	9.7	302	6.3
		100-year								469	11.2	302	6.3
LSRMC24	SRMC24B	2-vear	Trapezoidal	1	30	111 1	906.00	905 89	0 100	0	0.0	96	3.2
20141021	ertille215	5-year	riapozoidai				000.00	000.00	000	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRMC25	LSRMC25	2-year	Natural	10	10	386.8	897.45	897.00	0.116	320	3.3	7210	3.7
-		5-year								469	3.3	7210	3.7
		10-year								577	3.3	7210	3.7
		25-year								689	3.3	7210	3.7
		50-year								/4/	3.3	7210	3.7
LEDMC26	L SBMC26	100-year	Notural	7	10	411 E	900 90	907 45	0.502	200	3.3	7210	3.7
LORIVICZO	LSRIVIC20	Z-year	เงลเนเลเ	/	10	411.5	099.09	697.45	0.595	485	4.3	3421	5.5
		10-vear								597	4.5	3421	5.5
		25-vear								698	4.3	3421	5.5
		50-year								771	4.3	3421	5.5
		100-year								886	4.2	3421	5.5
LSRMC27	SRMC27A	2-year	Rectangular	4	14	96.3	900.69	899.89	0.830	353	7.2	727	13.0
		5-year								381	7.3	727	13.0
		10-year								431	7.5	727	13.0
		25-year								523	9.3	727	13.0
		50-year								572	10.2	727	13.0
100007	00140070	100-year	Tana ana islat			00.0	005.00	005 50	0.400	632	11.3	/2/	13.0
LSRMC27	SRMC27B	2-year	Trapezoidal	2	30	96.3	905.69	905.59	0.100	0	0.0	300	5.0
		5-year								0	0.0	300	5.0
		25-vear								5	1.2	300	5.0
		50-vear								21	2.2	300	5.0
		100-year								60	3.4	300	5.0
LSRMC27	SRMC27C	2-year	Rectangular	5	4	96.3	900.69	899.89	0.830	-29	3.1	208	10.4
		5-year	_							139	7.2	208	10.4
		10-year								162	8.0	208	10.4
		25-year								172	8.2	208	10.4
		50-year								184	8.5	208	10.4
		100-year								197	9.0	208	10.4
LSRMC28	LSRMC28	2-year	Natural	6	9	467.6	904.00	900.69	0.708	366	4.6	4476	6.4
		5-year								495	4.6	4476	6.4
		25-year								591	4.6	4476	0.4 6.4
		50-vear								773	4.0	4476	6.4
		100-vear								890	4.6	4476	6.4
LSRMC29	8167.1	2-year	Rectangular	3.5	6	35.8	904.11	904.00	0.308	177	8.5	132	6.3
		5-year								237	10.6	132	6.3
		10-year								253	11.1	132	6.3
		25-year								262	11.5	132	6.3
		50-year								265	11.9	132	6.3
		100-year								268	12.3	132	6.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC29	8167.2	2-vear	Trapezoidal	2	30	35.8	907.84	907.00	2 3/0	(0.0	2607	30.0
LOITWOZS	0107.2	5-vear	Trapezoidai	5			507.04	307.00	2.040	26	2.1	2697	30.0
		10-year								91	5.1	2697	30.0
		25-year								190	8.0	2697	30.0
		50-year								263	9.7	2697	30.0
		100-year								371	11.5	2697	30.0
LSRMC30	8168.1	2-year	Rectangular	3.5	6	123.1	904.51	904.11	0.325	166	7.8	136	6.5
		5-year								205	9.1	136	6.5
		10-year								217	9.9	136	6.5
		25-year								221	10.3	136	6.5
		100-year								220	11.3	130	6.5
LSRMC30	8168.2	2-vear	Trapezoidal	3	30	123 1	908.00	907 84	0 130	10	1.6	634	7.0
201411000	010012	5-year	riapozoidai			.2011	000.00		000	75	3.7	634	7.0
		10-year								150	4.9	634	7.0
		25-year								244	6.0	634	7.0
		50-year								305	6.5	634	7.0
		100-year								407	7.2	634	7.0
LSRMC31	8634.1	2-year	Rectangular	4	11	288.5	905.43	904.51	0.319	298	7.7	340	7.7
		5-year								421	8.9	340	7.7
		10-year								452	9.7	340	7.7
		25-year								467	10.1	340	7.7
		50-year								467	10.1	340	7.7
LSRMC31	8634.2	2-vear	Tranezoidal	3	30	288.5	910.00	908.00	0.693	400	0.0	1465	16.3
LOIGINGST	0034.2	5-year	Паредонал	5		200.5	310.00	300.00	0.035	0	0.0	1465	16.3
		10-year								53	2.5	1465	16.3
		25-year								173	5.3	1465	16.3
		50-year								240	6.3	1465	16.3
		100-year								389	8.2	1465	16.3
LSRMC32	LSRMC32	2-year	Natural	12	12	550.9	908.00	905.43	0.467	245	7.7	45848	17.6
		5-year								351	8.4	45848	17.6
		10-year								422	8.6	45848	17.6
		25-year								518	8.6	45848	17.6
		50-year								7/0	8.2	45848	17.0
LSRMC33	SRMC33A	2-vear	Rectangular	4	5.5	51.1	908 44	908.00	0.862	143	10.7	230	10.9
LOINICOO	SIGNESSA	5-year	Rectarigutar			51.1	300.44	300.00	0.002	175	11.4	239	10.9
		10-year								210	11.6	239	10.9
		25-year								261	12.2	239	10.9
		50-year								287	12.5	239	10.9
		100-year								296	12.7	239	10.9
LSRMC33	SRMC33B	2-year	Trapezoidal	1	30	51.1	912.81	912.76	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								132	4.9	96	3.2
LSRMC34	SRMC344	2-vear	Rectangular	1	5.5	64.2	909 00	908 11	0 872	207	0.0	90 2/1	ى.2 10.0
LOINIOO4		5-vear	rectanyula	4	5.5	04.2	505.00	500.44	0.073	169	11.2	241	10.9
		10-year								201	11.5	241	10.9
		25-year								256	12.2	241	10.9
		50-year								262	11.9	241	10.9
		100-year								263	12.0	241	10.9
LSRMC34	SRMC34B	2-year	Trapezoidal	2	30	64.2	912.87	912.81	0.100	0	0.0	294	4.9
		5-year								0	0.0	294	4.9
		10-year								0	0.0	294	4.9
		25-year								4	1.2	294	4.9
		50-year								205	5.7	294	4.9
		100-year								329	6.8	294	4.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-voor	Natural	(640 5	000.00	000.00	0.054	100	(64)	(0.0)	(100)
LONIVICOD	LONIVICOD	∠-year 5-vear	INALUIAI	6	/	049.5	909.33	303.00	0.051	275	2.7	619	1.9
		10-year								337	2.9	619	1.9
		25-year								488	2.9	619	1.9
		50-year								567	2.8	619	1.9
		100-year								700	2.8	619	1.9
LSRMC36	SRMC36A	2-year	Rectangular	4	5	166.6	911.95	909.33	1.573	79	7.0	286	14.3
		5-year								110	7.8	286	14.3
		10-year								150	9.1	286	14.3
		∠o-year 50-year								224	11.5	286	14.3
		100-year								202	14.3	200 286	14.3
LSRMC36	SRMC36B	2-vear	Trapezoidal	1	30	166.6	917.00	916.83	0.100	200	0.0	97	3.2
		5-year					200	2.0.00	0.100	0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
		100-year								68	3.5	97	3.2
LSRMC37	LSRMC37	2-year	Natural	6	10	238.8	912.78	911.95	0.348	131	3.9	2638	4.6
		5-year								181	4.0	2638	4.6
		10-year								283	3.9	2638	4.6
		∠5-year								425 512	3.9	2638	4.6
		100-vear								610	3.9	2038	4.0
LSRMC38	LSRMC38	2-vear	Natural	7	7	446 8	915 47	912 78	0 602	34	1 1	6739	7.5
Lonwidood	2010000	5-year		/		10.0	010.47	0.2.70	0.002	96	1.3	6739	7.5
		10-year								171	1.5	6739	7.5
		25-year								258	1.7	6739	7.5
		50-year								315	1.8	6739	7.5
		100-year								375	1.9	6739	7.5
LSRMC39	LSRMC39	2-year	Natural	8	8	128.3	915.91	915.47	0.343	26	2.3	5351	6.2
		5-year								92	3.4	5351	6.2
		10-year								165	3.9	5351	6.2
		∠o-year								245	4.2	5351	6.2
		100-year								290	4.3	5351	6.2
LSRMC40	SRMC40A	2-vear	Circular	2	0	113.7	918.64	915.91	2.402	26	10.5	19	6.0
		5-year					2.0.01	2.5.01		36	11.7	19	6.0
		10-year								36	11.7	19	6.0
		25-year								36	11.7	19	6.0
		50-year								36	11.7	19	6.0
		100-year								36	11.7	19	6.0
LSRMC40	SRMC40B	2-year	Trapezoidal	1	30	113.7	926.00	925.89	0.100	0	0.0	95	3.2
		5-year								56	3.3	95	3.2
		10-year								129	4.7	95	3.2
		∠o-year 50-vear								210	7.0 2 2	95	3.2
		100-vear								319	10.6	95	3.2
LSRMC41	LSRMC41	2-year	Natural	12	0	724.6	921.32	918.64	0.370	159	0.9	22460	7.0
		5-year						2.5.01	5.0.0	230	0.9	22460	7.0
		10-year								271	0.9	22460	7.0
		25-year								326	0.8	22460	7.0
		50-year								369	0.8	22460	7.0
		100-year								428	0.8	22460	7.0
LSRMC42	LSRMC42	2-year	Natural	8	0	990.2	927.46	921.32	0.620	96	3.1	5371	8.3
		5-year								135	3.4	5371	8.3
		10-year								158	3.6	5371	8.3
		20-year								214	3.7	5371	ຽ.3 ຊາ
		100-vear								214	4.0	5371	8.3
	1		l	1		1				270	.	0011	0.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSRMC43	SRMC43A	2-vear	Rectangular		5 17	110.0	927.61	927 46	0 136	97	81	59	38
LOIUNO43	011110-10/1	5-vear	rectangular	5	0.17	110.0	521.01	527.40	0.100	135	9.6	59	3.8
		10-vear								158	10.6	59	3.8
		25-year								189	12.9	59	3.8
		50-year								215	14.4	59	3.8
		100-year								247	16.3	59	3.8
LSRMC43	SRMC43B	2-year	Trapezoidal	1	30	110.0	942.50	942.39	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LSRMC44	SRMC44A	2-year	Rectangular	3	5.17	41.2	927.67	927.61	0.146	71	5.5	61	3.9
		5-year								99	6.3	61	3.9
		10-year								116	6.8	61	3.9
		25-year								138	8.9	61	3.9
		100-year								100	11.3	61	3.9
LSRMC44	SRMC44B	2-vear	Trapezoidal	1	30	41.2	941 54	941 50	0 100	0	0.0	95	3.2
Lorano	ertine rib	5-vear	rapozoidai	· · ·			0.1101	0.1100	000	0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LSYMC00	LSYMC00	2-year	Circular	0.05	0.0001	10.0	0.05	0.00	0.000	#N/A	#N/A	#N/A	#N/A
		5-year								#N/A	#N/A	#N/A	#N/A
		10-year								#N/A	#N/A	#N/A	#N/A
		25-year								#N/A	#N/A	#N/A	#N/A
		50-year								#N/A	#N/A	#N/A #N/A	#N/A
		100-year	Circular	2.5	0	12E E	000.61	970.96	21.054	#IN/A	#IN/A	#IN/A	#IN/A
LSTWC01	LOTWICOT	5-vear	Circular	2.5	0	135.5	900.01	870.80	21.904	25	22.9	170	36.4
		10-vear								30	27.1	178	36.4
		25-year								37	28.7	178	36.4
		50-year								42	29.7	178	36.4
		100-year								49	31.0	178	36.4
LSYMC02	8460.1	2-year	Circular	2.5	0	61.0	900.87	900.61	0.426	17	9.1	25	5.1
		5-year								25	10.7	25	5.1
		10-year								30	11.4	25	5.1
		25-year								37	12.4	25	5.1
		50-year								42	13.0	25	5.1
	0400.0	100-year	Trenersidet			01.0	000.00	005.04	0.400	49	13.8	25	5.1
LSYNC02	8460.2	∠-year 5-year	rapezoidal	1	30	61.0	906.20	905.94	0.426	0	0.0	199	6.6
		10-veer								0	0.0	199	0.0
		25-vear								0	0.0	199	6.6
		50-year								0	0.0	199	6.6
		100-year								0	0.0	199	6.6
LSYMC03	8461.1	2-year	Circular	2.5	0	232.3	906.71	900.87	2.515	13	6.5	60	12.3
		5-year								19	7.5	60	12.3
		10-year								22	8.0	60	12.3
		25-year								27	8.6	60	12.3
		50-year								31	9.0	60	12.3
10////000	0404.0	100-year	Teenselis			000 5	044 70	000.00	0.10-	36	9.4	60	12.3
LSYMC03	8461.2	∠-year	i rapezoidal	1	30	232.3	911.79	906.20	2.407	0	0.0	4/3	15.8
		10-vear								0	0.0	4/3	15.8
		25-year								0	0.0	473	15.8
		50-year								0	0.0	473	15.8
		100-year								0	0.0	473	15.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LSYMC04	8296.1	2-vear	Special	3	3	63.6	910.66	906.71	6.216	13	8.5	42	10.3
		5-year								19	9.4	42	10.3
		10-year								22	9.8	42	10.3
		25-year								27	10.3	42	10.3
		50-year								31	10.7	42	10.3
		100-year								36	11.2	42	10.3
LSYMC04	8296.2	2-year	Trapezoidal	1	30	63.6	915.08	911.79	5.177	0	0.0	694	23.1
		5-year								0	0.0	694	23.1
		10-year								0	0.0	694	23.1
		25-year								0	0.0	694	23.1
		50-year								0	0.0	694	23.1
1.01/14/005	0.400.4	100-year	On endat	0		50.0	011.01	040.00	4 000	0	0.0	694	23.1
LSYMC05	8462.1	2-year	Special	3	3	53.3	911.21	910.66	1.033	13	5.7	17	4.2
		5-year								19	0.7	17	4.2
		25 year								22	7.1	17	4.2
		50-vear								21	8.0	17	4.2
		100-year								36	9.9	17	4.2
LSYMC05	8462.2	2-vear	Trapezoidal	1	30	53 3	915 13	915.08	0 100	00	0.0	03	3.1
LOTWOOD	0402.2	5-vear	Trapezoidai			55.5	515.15	515.00	0.100	0	0.0	93	3.1
		10-vear								0	0.0	93	3.1
		25-vear								0	0.0	93	3.1
		50-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1
LUWL101	LUWL101	2-vear	Natural	10	0	1052.6	902.91	893.90	0.856	244	2.2	166246	10.4
		5-year								322	2.1	166246	10.4
		10-year								383	2.0	166246	10.4
		25-year								465	1.9	166246	10.4
		50-year								530	1.8	166246	10.4
		100-year								613	1.8	166246	10.4
LUWL201	LUWL201	2-year	Natural	12	0	3039.0	908.00	902.70	0.174	475	1.5	112604	5.3
		5-year								699	1.3	112604	5.3
		10-year								836	1.1	112604	5.3
		25-year								1013	1.0	112604	5.3
		50-year								1141	1.0	112604	5.3
		100-year								1333	1.0	112604	5.3
LUWL301	LUWL301	2-year	Natural	15	0	1619.9	915.78	907.00	0.542	354	1.7	408518	11.8
		5-year								567	1.9	408518	11.8
		10-year								700	1.9	408518	11.8
		25-year								886	1.9	408518	11.8
		50-year								1036	2.0	408518	11.8
	11.044.000	100-year	Netural			0050 6	040.01	045 -5	0.046	1227	2.0	408518	11.8
LUWL302	LUWL302	∠-year	INATURA	12	0	3250.9	946.34	915.78	0.940	1/6	3.0	102728	12.9
		Joyear								309	3.5	102728	12.9
		25-vear								395	3.0	102728	12.9
		50-year								507	3.8 3.0	102728	12.9
		100-vear								723	4 1	102728	12.9
LUWMC00	LUWMC00	2-year	Natural	11.6	n	186.2	884 53	884.30	0 124	1082	3.2	16261	3.8
201111000		5-vear		11.0	5	100.2	551.00	551.00	0.124	1812	3.1	16261	3.8
		10-year								2393	3.1	16261	3.8
		25-year								3309	3.1	16261	3.8
		50-year								3851	3.1	16261	3.8
		100-year								4491	3.1	16261	3.8
LUWMC01	LUWMC01	2-year	Natural	11	0	981.7	885.58	884.53	0.107	1100	2.7	15072	3.5
		5-year								1826	2.7	15072	3.5
		10-year								2375	2.7	15072	3.5
		25-year								3269	2.7	15072	3.5
		50-year								3846	2.7	15072	3.5
		100-year								4549	2.8	15072	3.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	11.4	0	254.9	886.00	885 58	0.165	067	-25	22772	(
201111002	LOWINOUZ	5-vear	Naturai	11.4	0	204.0	000.00	000.00	0.105	1517	-2.6	22772	4.4
		10-year								1915	-2.6	22772	4.4
		25-year								2569	2.6	22772	4.4
		50-year								2975	2.6	22772	4.4
		100-year								3474	2.6	22772	4.4
LUWMC03	UWMC03A	2-year	Rectangular	6	12	48.1	886.32	886.00	0.666	487	6.3	990	13.7
		5-year								761	10.5	990	13.7
		10-year								944	13.1	990	13.7
		25-year								1206	16.7	990	13.7
		50-year								1348	18.7	990	13.7
		2 voor	Tranazaidal	6	20	10 1	904.00	802.05	0.100	1500	20.8	990	13.7
LOVINCUS	0 VVIVICO3B	2-year 5-year	Паредониан	0		40.1	094.00	093.95	0.100	0	0.0	1626	9.0
		10-vear								26	2.6	1626	9.0
		25-vear								155	5.2	1626	9.0
		50-year								276	6.4	1626	9.0
		100-year								476	7.8	1626	9.0
LUWMC04	LUWMC04	2-year	Natural	13.6	0	5583.2	893.90	886.32	0.136	1069	0.9	53750	4.6
		5-year								1722	1.0	53750	4.6
		10-year								2151	1.0	53750	4.6
		25-year								2747	1.1	53750	4.6
		50-year								3217	1.2	53750	4.6
		100-year								3850	1.3	53750	4.6
LUWMC05	LUWMC05	2-year	Natural	16	0	1613.0	895.00	893.90	0.068	1076	1.6	96235	4.6
		5-year								1736	1.8	96235	4.6
		10-year								2171	1.9	96235	4.6
		25-year								2769	2.0	96235	4.0
		100-year								3867	2.1	96235	4.0
		2-vear	Natural	10	0	2304.8	901 39	895.00	0 277	957	1.5	88655	4.0 6.7
LOWINCOO	LOWINCOO	5-year	Naturai	10	0	2304.0	301.33	035.00	0.277	1549	1.5	88655	6.7
		10-vear								1940	1.7	88655	6.7
		25-year								2477	1.8	88655	6.7
		50-year								2898	1.9	88655	6.7
		100-year								3467	2.0	88655	6.7
LUWMC07	LUWMC07	2-year	Natural	8	0	2190.2	902.70	901.39	0.060	883	2.2	6749	2.6
		5-year								1428	2.6	6749	2.6
		10-year								1783	2.7	6749	2.6
		25-year								2278	3.0	6749	2.6
		50-year								2660	3.1	6749	2.6
1104/140000		100-year				1010 5	007.00	000 70	0.000	3181	3.3	6749	2.6
LUWMC08	LUWMC08	2-year	Natural	15	0	1312.5	907.00	902.70	0.328	584	1.0	294534	7.8
		J-year								1070	1.4	294534	7.8
		25-year								12/8	1.5	294534	/.ð 7 9
		50-vear								1976	1.7	294534	7.8
		100-vear								2402	2.0	294534	7.8
LUWMC09	LUWMC09	2-year	Natural	10	0	5593.4	924.05	907.00	0.305	572	1.8	78406	7.0
		5-year								973	2.0	78406	7.0
		10-year								1242	2.1	78406	7.0
		25-year								1608	2.3	78406	7.0
		50-year								1895	2.4	78406	7.0
		100-year								2276	2.5	78406	7.0
LUWMC10	LUWMC10	2-year	Natural	20	0	3120.2	935.70	924.05	0.373	399	2.8	171892	10.2
		5-year								705	3.2	171892	10.2
		10-year								919	3.4	171892	10.2
		25-year								1202	3.7	171892	10.2
		50-year								1431	3.9	171892	10.2
		100-year								1725	4.1	171892	10.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-vear	Natural	20	(,	1782.7	0/5 11	035 70	0.528	375	17	238/22	16.1
Lowinori	LOWNOTT	5-vear	Induitai	20	0	1702.7	545.11	333.70	0.020	620	1.7	238422	16.1
		10-year								785	2.0	238422	16.1
		25-year								999	2.1	238422	16.1
		50-year								1159	2.2	238422	16.1
		100-year								1377	2.3	238422	16.1
LUWMC12	LUWMC12	2-year	Natural	17	0	3249.4	984.56	945.11	1.214	200	4.4	94269	16.4
		5-year								342	5.1	94269	16.4
		10-year								434	5.5	94269	16.4
		25-year								555	5.8	94269	16.4
		50-year								776	63	94269	16.4
LVCI 102	LVCI 102	2-vear	Natural	10	0	2910 5	891 74	873 67	0.621	153	2.4	28188	6.7
LVOLIOZ	EVOLIDZ	5-vear	Induitai	10	0	2010.0	001.74	010.01	0.021	232	2.4	28188	6.7
		10-vear								279	2.4	28188	6.7
		25-year								342	2.5	28188	6.7
		50-year								389	2.4	28188	6.7
		100-year								452	2.4	28188	6.7
LVCL201	LVCL201	2-year	Natural	9	0	827.6	926.49	908.57	2.165	79	1.8	33221	17.3
		5-year								114	1.9	33221	17.3
		10-year								135	2.1	33221	17.3
		25-year								163	2.0	33221	17.3
		50-year								183	2.3	33221	17.3
		100-year								211	2.1	33221	17.3
LVCMC02	LVCMC02	2-year	Natural	16	0	2269.3	873.67	860.79	0.568	656	7.6	13351	12.9
		5-year								1018	8.7	13351	12.9
		25-vear								1230	9.2	13351	12.9
		50-vear								1524	9.2	13351	12.5
		100-vear								1657	9.2	13351	12.9
LVCMC03	LVCMC03	2-vear	Natural	12.5	0	2262.7	882.12	873.67	0.373	582	3.7	24985	6.2
		5-year				-				888	4.2	24985	6.2
		10-year								1070	4.4	24985	6.2
		25-year								1293	4.6	24985	6.2
		50-year								1537	4.8	24985	6.2
		100-year								1729	4.9	24985	6.2
LVCMC04	LVCMC04	2-year	Natural	16	0	2893.5	908.57	882.12	0.914	348	4.2	45060	17.2
		5-year								507	4.6	45060	17.2
		10-year								607	4.9	45060	17.2
		25-year								730	5.1	45060	17.2
		100-year								922	b.1 د ع	45060	17.2
		2-vear	Natural	6	0	068.5	925 16	908 57	1 712	261	0.3	40000 8051	12.2
		5-vear	natural	0	0	500.5	320.10	300.37	1.713	372	3.0	8951	12.2
		10-year								437	4.0	8951	12.2
		25-year								525	4.0	8951	12.2
		50-year								590	4.2	8951	12.2
		100-year								677	4.2	8951	12.2
LVCMC06	VCMC06A	2-year	Rectangular	4	6	152.9	926.96	925.16	1.177	112	11.9	312	13.0
		5-year								143	13.0	312	13.0
		10-year								160	13.5	312	13.0
		25-year								181	14.2	312	13.0
		50-year								197	14.6	312	13.0
		100-year	-				0.55	05		217	15.2	312	13.0
LVCMC06	VCMC06B	2-year	I rapezoidal	5	30	152.9	928.00	927.85	0.100	39	2.8	1204	8.0
		o-year								88	3.9	1204	8.0
		25-vear								120	4.4	1204	0.0 2 0
		50-vear								104	5.0	1204	0.0 8 0
		100-vear								244	5.8	1204	8.0
	1		1			1	1	1			0.0	.204	0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2-veor	Natural	(024.0	033.00	026.06	0.749	166	(P9) 0 E	7060	(09)
		∠-year 5-vear	natulai	0	0	524.8	333.00	320.90	0.746	234	2.0	7969	0.0 8.6
		10-year								274	2.5	7969	8.6
		25-year								328	2.5	7969	8.6
		50-year								368	2.5	7969	8.6
		100-year								421	2.6	7969	8.6
LVCMC08	LVCMC08	2-year	Natural	6	0	378.9	939.98	933.88	1.610	77	2.6	8313	10.5
		5-year								109	2.9	8313	10.5
		10-year								128	3.0	8313	10.5
		25-year								153	3.2	8313	10.5
		100-year								1.97	3.3	8313	10.5
I W13I 101	8621.1	2-vear	Special	5	5	182.6	901 29	901.00	0 159	25	4.8	31	2.4
	552	5-year		3	3				0.100	37	5.6	31	2.4
		10-year								42	5.9	31	2.4
		25-year								53	6.6	31	2.4
		50-year								60	7.0	31	2.4
		100-year								69	7.9	31	2.4
LW13L101	8621.2	2-year	Trapezoidal	1	30	182.6	905.79	905.61	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LW13I 102	8201 1	2-vear	Circular	2	0	114 6	903 74	901 20	2 138	25	9.5	30	9.2 9.8
LITIOLIUZ	5201.1	5-year	Sirodiai	2	0	114.0	555.74	551.23	2.100	23	11.4	31	9.8
		10-year								42	13.2	31	9.8
		25-year								44	13.9	31	9.8
		50-year								44	13.9	31	9.8
		100-year								44	14.0	31	9.8
LW13L102	8201.2	2-year	Trapezoidal	1	30	114.6	908.74	905.79	2.575	0	0.0	489	16.3
		5-year								0	0.0	489	16.3
		10-year								0	0.0	489	16.3
		25-year								10	3.5	489	16.3
		100-year								21	4.7	409 489	16.3
LW13I 103	8199 1	2-vear	Circular	1 25	0	310.3	911 48	903 74	2 495	6	5.8	09 Q	77
	0.00.1	5-year		1.20	0	010.0	0.1.10	000.14		8	7.6	9	7.7
		10-year								9	7.7	9	7.7
		25-year								12	9.2	9	7.7
		50-year								10	8.0	9	7.7
		100-year								12	9.5	9	7.7
LW13L103	8199.2	2-year	Trapezoidal	1	30	310.3	915.97	908.74	2.330	0	0.0	466	15.5
		5-year								0	0.0	466	15.5
		10-year								0	0.0	466	15.5
		∠o-year								2	1.9	466	15.5
		100-year								13	3.9	400	15.5
LW13L1A01	LW13L1A01	2-vear	Circular	2	0	38.6	902.63	901.29	3.469	.0	-0.1	39	12.5
		5-year							5	0	-0.2	39	12.5
		10-year								1	0.5	39	12.5
		25-year								1	0.4	39	12.5
		50-year								1	0.6	39	12.5
		100-year								1	0.5	39	12.5
LW13L1B01	8200.1	2-year	Circular	2	0	38.6	903.98	903.74	0.621	19	7.9	17	5.3
		5-year								29	9.1	17	5.3
		10-year								33	10.6	17	5.3
		20-year								32	10.2	17	5.3
		100-vear								33	10.2	17	5.3
											10.0	. /	0.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I W13I 1B01	8200.2	2-vear	Trapezoidal	2	30	38.6	907 56	908 74	-3.055	0	0.0	1625	27.1
EWHOLIBOT	0200.2	5-vear	Trapozoidar		00	00.0	001.00	000.11	0.000	0	0.0	1625	27.1
		10-year								-6	-0.3	1625	27.1
		25-year								-26	-1.1	1625	27.1
		50-year								-32	-1.2	1625	27.1
		100-year								-39	-1.4	1625	27.1
LW13L1C01	8198.1	2-year	Circular	2	0	30.9	911.97	911.48	1.585	6	6.2	26	8.4
		5-year								8	7.1	26	8.4
		10-year								9	6.9	26	8.4
		50-vear								30	9.4	20	0.4 8.4
		100-year								38	11.9	26	8.4
LW13L1C01	8198.2	2-year	Trapezoidal	1	30	30.9	915.48	915.97	-1.585	0	0.0	384	12.8
		5-year								0	0.0	384	12.8
		10-year								0	0.0	384	12.8
		25-year								-4	1.6	384	12.8
		50-year								-5	-0.5	384	12.8
		100-year								-15	2.5	384	12.8
LW13L201	8209.1	2-year	Circular	3.5	0	90.0	903.95	903.31	0.711	12	6.6	79	8.2
		5-year								18	1.1	79	8.2
		25-vear								21	0.3 8 9	79	0.2
		50-vear								20	9.4	79	8.2
		100-year								33	10.0	79	8.2
LW13L201	8209.2	2-year	Trapezoidal	1	30	90.0	907.89	908.00	-0.122	0	0.0	107	3.6
		5-year								0	0.0	107	3.6
		10-year								0	0.0	107	3.6
		25-year								0	0.0	107	3.6
		50-year								0	0.0	107	3.6
		100-year								0	0.0	107	3.6
LW13L202	8208.1	2-year	Circular	3	0	109.8	904.00	903.95	0.046	8	3.3	13	1.9
		5-year								13	3.8	13	1.9
		25-vear								16	4.3	13	1.9
		50-year								18	4.6	13	1.9
		100-year								21	4.8	13	1.9
LW13L202	8208.2	2-year	Trapezoidal	1	30	109.8	908.00	907.89	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		10-year								0	0.0	97	3.2
		25-year								0	0.0	97	3.2
		50-year								0	0.0	97	3.2
1 1/121 201	1 1/121 201	2-vear	Circular	А		190.0	000 20	007.25	0 509	0	0.0	97	3.2
LVVIJLJUI	LVVIJLJUI	∠-year 5-vear		4	0	109.0	900.38	901.25	0.598	-1	-0.4	103	0.2 8 2
		10-year								-1	-0.4	103	8.2
		25-year								-1	-0.4	103	8.2
		50-year								-1	-0.4	103	8.2
		100-year								-1	-0.4	103	8.2
LW13L401	8652.1	2-year	Circular	1	0	60.0	915.34	907.25	13.490	4	8.4	12	15.5
		5-year								6	11.0	12	15.5
		10-year								8	12.4	12	15.5
		25-year								9	14.0	12	15.5
		50-year								10	15.0	12	15.5
W13I 401	8652.2	2-vear	Trapezoidal	1	२ ∩	0.03	917 00	914 08	4 860	۲۲ ۱۷	0.3	673	10.0 22 A
202701	5002.2	5-year				50.0	011.00	011.00		0	0.0	673	22.4
		10-year								0	0.0	673	22.4
		25-year								0	0.0	673	22.4
		50-year								0	0.0	673	22.4
		100-year								0	0.0	673	22.4

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LW13MC01	LW13MC01	2-vear	Natural	4	0	128.2	903.31	901.00	1.802	55	3.5	4543	10.8
		5-year								80	3.8	4543	10.8
		10-year								95	4.0	4543	10.8
		25-year								114	4.2	4543	10.8
		50-year								129	4.3	4543	10.8
114/4014000	114/4014000	100-year	Matural			500.0	007.00	000.04	0.000	148	4.5	4543	10.8
LVV13IVIC02	LW13MC02	2-year	Naturai	4	0	588.0	907.00	903.31	0.628	44	1.1	4478	7.2
		5-year 10-vear								74	1.3	4470	7.2
		25-vear								89	1.5	4478	7.2
		50-year								100	1.6	4478	7.2
		100-year								115	1.7	4478	7.2
LW13MC03	8513.1	2-year	Circular	4	0	68.2	907.25	907.00	0.367	44	12.7	81	6.4
		5-year								63	14.6	81	6.4
		10-year								74	15.6	81	6.4
		25-year								101	16.8	81	6.4
		100-year								115	17.0	81	6.4
LW13MC03	8513.2	2-vear	Trapezoidal	1	30	68.2	914.08	914.00	0.117	0	0.0	104	3.5
		5-year								0	0.0	104	3.5
		10-year								0	0.0	104	3.5
		25-year								0	0.0	104	3.5
		50-year								0	0.0	104	3.5
		100-year								0	0.0	104	3.5
LW13MC04	8415.1	2-year	Circular	4	0	431.0	913.59	907.25	1.471	40	8.6	162	12.9
		5-year								57	9.7	162	12.9
		25-year								80	11.0	162	12.9
		50-vear								91	11.4	162	12.9
		100-year								104	11.9	162	12.9
LW13MC04	8415.2	2-year	Trapezoidal	1	30	431.0	918.00	914.08	0.909	0	0.0	291	9.7
		5-year								0	0.0	291	9.7
		10-year								0	0.0	291	9.7
		25-year								0	0.0	291	9.7
		50-year								0	0.0	291	9.7
	9261 1	2 voor	Circular	4.5	0	619.4	001 20	974 16	1 151	05	0.0	291	9.7
LWLLIUI	0201.1	5-year	Circular	4.5	0	010.4	001.20	074.10	1.151	133	10.2	190	12.3
		10-vear								157	10.2	196	12.3
		25-year								179	11.1	196	12.3
		50-year								192	12.1	196	12.3
		100-year								199	12.4	196	12.3
LWLL101	8261.2	2-year	Trapezoidal	1	30	618.4	896.24	911.00	-2.387	0	0.0	471	15.7
		5-year								0	0.0	471	15.7
		10-year								0	0.0	471	15.7
		20-year								0	0.0	471 471	15.7
		100-vear								0	0.0	471	15.7
LWLL102	8262.1	2-year	Circular	4.5	0	222.7	883.84	881.28	1.149	96	12.3	196	12.3
		5-year								134	13.3	196	12.3
		10-year								158	13.4	196	12.3
		25-year								181	13.6	196	12.3
		50-year								194	13.6	196	12.3
	8262.0	100-year	Tropossidal		20	200 7	905 50	905.04	0 457	199	13.6	196	12.3
LVVLL102	0202.2	∠-year 5-vear	rapezoidal	1	30	222.1	895.59	895.24	0.157	0	0.0	121	4.0
		10-vear								0	0.0	121	4.0
		25-year								0	0.0	121	4.0
		50-year								0	0.0	121	4.0
		100-year								0	0.0	121	4.0

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLL103	8263.1	2-vear	Circular	4.5	0	182.4	885.94	883.84	1,151	95	12.2	196	12.3
		5-year								133	13.2	196	12.3
		10-year								158	13.6	196	12.3
		25-year								184	13.7	196	12.3
		50-year								195	13.7	196	12.3
1.11/11/102	8262.2	100-year	Tranazaidal	1	20	100.4	904 77	904 50	0.100	199	13.8	196	12.3
LWLLIUS	8203.2	5-vear	Паредониа			102.4	094.77	094.39	0.100	0	0.0	96	3.2
		10-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LWLL104	8265.1	2-year	Circular	4.5	0	428.5	886.50	885.94	0.131	54	6.4	66	4.2
		5-year								76	7.2	66	4.2
		25-vear								107	7.5 8.0	00 66	4.2
		50-vear								133	8.2	66	4.2
		100-year								118	7.3	66	4.2
LWLL104	8265.2	2-year	Trapezoidal	2	30	428.5	893.00	892.44	0.131	0	0.0	336	5.6
		5-year								0	0.0	336	5.6
		10-year								0	0.0	336	5.6
		25-year								0	0.0	336	5.6
		50-year								125	2.6	336	5.6
1.W/11.105	8266 1	2-vear	Circular	15	0	38.7	887 10	886 50	1 5/0	53	2.9	227	5.0 14.3
LWEE105	0200.1	5-year	Circular	4.5	0	50.7	007.10	000.00	1.545	74	6.5	227	14.3
		10-year								87	6.8	227	14.3
		25-year								104	7.1	227	14.3
		50-year								124	10.1	227	14.3
		100-year								134	8.4	227	14.3
LWLL105	8266.2	2-year	Trapezoidal	1	30	38.7	895.68	894.00	4.337	0	0.0	635	21.2
		5-year								0	0.0	635	21.2
		25-vear								0	0.0	635	21.2
		50-year								0	0.0	635	21.2
		100-year								0	0.0	635	21.2
LWLL106	8267.1	2-year	Circular	2.5	0	341.7	888.84	887.10	0.509	13	5.4	27	5.5
		5-year								17	5.7	27	5.5
		10-year								20	14.0	27	5.5
		25-year								25	6.0	27	5.5
		100-year								20	6.0	27	5.5
LWLL106	8267.2	2-vear	Trapezoidal	1	30	341.7	900.03	895.68	1.273	0	0.0	344	11.5
		5-year								0	0.0	344	11.5
		10-year								0	0.0	344	11.5
		25-year								0	0.0	344	11.5
		50-year								0	0.0	344	11.5
	0000.4	100-year	O'avalar.	0.5		01.0	000.47	000.04	0.500	0	0.0	344	11.5
LVVLL107	8268.1	∠-year 5-vear	Circular	2.5	0	64.9	889.17	888.84	0.509	13	5.4	27	5.5
		10-year								20	6.1	27	5.5
		25-year								25	15.0	27	5.5
		50-year								26	6.4	27	5.5
		100-year								31	6.5	27	5.5
LWLL107	8268.2	2-year	Trapezoidal	1	30	64.9	896.17	896.11	0.100	0	0.0	93	3.1
		5-year								0	0.0	93	3.1
		10-year								0	0.0	93	3.1
		∠o-year								0	0.0	93	3.1
		100-year								0	0.0	93	3.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWL 108	8270 1	2-vear	Circular	2	<u>, , , ,</u> о	140.6	895 14	880 17	4 245	12	86	<u>ر</u>	13.8
LWLLIOU	0270.1	5-vear	Oncular	2	0	140.0	000.14	005.17	4.245	13	9.4	43	13.8
		10-year								20	9.8	43	13.8
		25-year								25	14.3	43	13.8
		50-year								27	11.6	43	13.8
		100-year								30	12.2	43	13.8
LWLL108	8270.2	2-year	Trapezoidal	1	30	140.6	899.14	897.17	1.401	0	0.0	361	12.0
		5-year								0	0.0	361	12.0
		10-year								0	0.0	361	12.0
		50-year								0	0.0	361	12.0
		100-year								0	0.0	361	12.0
LWLL109	8269.1	2-year	Circular	2	0	128.5	895.31	895.14	0.132	13	6.3	8	2.4
		5-year								17	7.1	8	2.4
		10-year								20	8.3	8	2.4
		25-year								24	9.9	8	2.4
		50-year								26	10.5	8	2.4
		100-year								30	11.4	8	2.4
LWLL109	8269.2	2-year	Trapezoidal	1	30	128.5	900.27	900.14	0.100	0	0.0	97	3.2
		5-year								0	0.0	97	3.2
		25-vear								0	0.0	97	3.2
		50-vear								0	0.0	97	3.2
		100-year								3	0.9	97	3.2
LWLL1A01	8264.1	2-year	Circular	2	0	458.5	892.17	885.94	1.359	29	9.6	24	7.8
		5-year								29	9.5	24	7.8
		10-year								29	9.4	24	7.8
		25-year								29	9.3	24	7.8
		50-year								28	9.1	24	7.8
	0004.0	100-year	-			150.5	005.04	000.44	0.500	28	8.8	24	7.8
LVVLL1A01	8264.2	2-year	Trapezoidal	1	30	458.5	895.84	893.44	0.523	14	2.5	221	7.4
		10-vear								47	3.0 4.0	221	7.4
		25-year								63	4.5	221	7.4
		50-year								80	5.0	221	7.4
		100-year								101	5.4	221	7.4
LWLL1A02	8391.1	2-year	Circular	2	0	87.9	892.93	892.17	0.864	19	5.9	20	6.2
		5-year								22	7.0	20	6.2
		10-year								22	7.1	20	6.2
		25-year								23	7.1	20	6.2
		ou-year								22	/.1 8.0	20	6.2
WI 1A02	8391.2	2-vear	Trapezoidal	1	30	87 9	896 93	896 84	0 100	23 ∩	0.0	20	3.3
LL.1702	5551.2	5-year				51.3	000.00	000.04	0.100	5	1.2	98	3.3
		10-year								10	1.6	98	3.3
		25-year								17	2.0	98	3.3
		50-year								22	2.3	98	3.3
		100-year								29	2.6	98	3.3
LWLL1B01	8271.1	2-year	Circular	2	0	305.5	893.42	887.10	2.069	38	12.3	30	9.6
		5-year								38	12.3	30	9.6
		10-year								38	12.3	30	9.6
		∠5-year								38	12.3	30	9.6
		100-vear								38	12.3	30	9.6 9.6
LWLL1B01	8271.2	2-year	Trapezoidal	1	30	305.5	898 00	894.68	1.087	14	3.1	318	10.6
		5-year				200.0				36	4.5	318	10.6
		10-year								49	5.1	318	10.6
		25-year								67	5.8	318	10.6
		50-year								85	6.3	318	10.6
		100-year								104	6.9	318	10.6

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
		2 voor	Notural	10	(167.5	077.06	975.25	1 550	20	(10476	(
LWLL201	LVVLL201	5-year	Naturai	10		107.5	077.00	075.25	1.555	20	1.5	10476	15.3
		10-year								32	1.3	10476	15.3
		25-year								37	1.2	10476	15.3
		50-year								58	1.2	10476	15.3
		100-year								-134	1.1	10476	15.3
LWLL202	8478.1	2-year	Circular	4	0	146.5	883.34	877.86	3.741	20	9.3	258	20.5
		5-year								28	10.6	258	20.5
		10-year								33	11.2	258	20.5
		25-year								40	12.0	258	20.5
		100-year									12.4	258	20.5
LWLL202	8478.2	2-vear	Trapezoidal	1	30	146.5	889.34	888.00	0.915	0	0.0	292	9.7
		5-year								0	0.0	292	9.7
		10-year								0	0.0	292	9.7
		25-year								0	0.0	292	9.7
		50-year								0	0.0	292	9.7
		100-year								0	0.0	292	9.7
LWLL301	8307.1	2-year	Rectangular	5	7	149.5	882.59	882.28	0.207	121	5.8	218	6.2
		5-year								189	6.6	218	6.2
		10-year								229	7.1	218	6.2
		25-year								239	7.5	218	6.2
		100-year								239	7.0	218	6.2
LWLL301	8307.2	2-vear	Trapezoidal	3	30	149.5	889.59	888.00	1.063	0	0.0	1815	20.2
2.1122001	0007.12	5-year	riapozoidai				000100	000.00		0	0.0	1815	20.2
		10-year								0	0.0	1815	20.2
		25-year								41	4.1	1815	20.2
		50-year								86	6.1	1815	20.2
		100-year								129	6.8	1815	20.2
LWLL302	8306.1	2-year	Rectangular	5	7	231.3	886.75	882.59	1.799	121	9.1	641	18.3
		5-year								189	10.3	641	18.3
		10-year								230	10.8	641	18.3
		25-year								259	11.0	641	18.3
		100-year								347	11.1	641	18.3
LWLL302	8306.2	2-vear	Trapezoidal	1	30	231.3	914.00	890.59	10.121	0	0.0	970	32.3
		5-year								0	0.0	970	32.3
		10-year								0	0.0	970	32.3
		25-year								0	0.0	970	32.3
		50-year								0	0.0	970	32.3
		100-year								0	0.0	970	32.3
LWLL303	LWLL303	2-year	Natural	5	3	216.7	890.36	886.75	1.666	106	5.2	1428	6.3
		5-year								170	5.9	1428	6.3
		10-year								206	6.2	1428	6.3
		50-year								202	0.3 6 3	1428	6.3
		100-year								325	6.4	1428	6.3
LWLL304	WLL304A	2-year	Special	7.08	7.08	24.0	890.22	890.18	0.166	106	11.6	131	5.3
		5-year								170	14.4	131	5.3
		10-year								205	15.8	131	5.3
		25-year								246	19.1	131	5.3
		50-year								284	19.4	131	5.3
		100-year								326	19.4	131	5.3
LWLL304	WLL304B	2-year	Trapezoidal	1	30	24.0	894.00	893.98	0.100	0	0.0	88	2.9
		o-year								0	0.0	88	2.9
		25-vear								0	0.0	80 88	2.9
		50-vear								0	0.0	88	2.3
		100-year								0	0.0	88	2.9

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWIL 305	W/LL 305A	2-vear	Special	7.08	7.08	77.4	890.36	890.22	0 181	Q1	86	137	55
2002000	WELCOOK	5-vear	opoolai	1.00	7.00	,,,,,	000.00	000.22	0.101	147	10.4	137	5.5
		10-year								177	11.4	137	5.5
		25-year								214	12.7	137	5.5
		50-year								245	13.1	137	5.5
		100-year								282	14.1	137	5.5
LWLL305	WLL305B	2-year	Trapezoidal	2	30	77.4	894.08	894.00	0.100	0	0.0	299	5.0
		5-year								0	0.0	299	5.0
		10-year								0	0.0	299	5.0
		25-year								0	0.0	299	5.0
		100-year								0	0.0	299	5.0
LWI L306	LWI1306	2-vear	Natural	5	6	46 1	892 10	890.36	3 771	88	10.2	4396	22.0
20022000	LIVELOOD	5-vear	i tatarai	0		10.1	002.10	000.00	0.771	135	12.3	4396	22.0
		10-year								162	13.1	4396	22.0
		25-year								197	14.2	4396	22.0
		50-year								222	14.8	4396	22.0
		100-year								257	14.8	4396	22.0
LWLL307	WLL307A	2-year	Circular	2	0	44.4	893.74	892.10	3.697	25	10.8	24	7.5
		5-year								30	11.2	24	7.5
		10-year								33	11.3	24	7.5
		25-year								34	11.3	24	7.5
		50-year								34	11.3	24	7.5
1.11/11.207	W/LL 207P	100-year	Tranazaidal	2	20	44.4	806.00	805.06	0.100	34	11.3	24	7.5
LVVLL307	WLL307B	2-year	Trapezoidai	2	30	44.4	896.00	895.96	0.100	105	3.7	279	4.7
		10-vear								129	4.5	279	4.7
		25-vear								163	5.3	279	4.7
		50-year								189	5.6	279	4.7
		100-year								226	6.0	279	4.7
LWLL308	LWLL308	2-year	Natural	5	6	162.4	896.11	893.74	1.459	89	7.5	6816	16.7
		5-year								135	8.9	6816	16.7
		10-year								162	8.8	6816	16.7
		25-year								197	8.8	6816	16.7
		50-year								221	8.8	6816	16.7
1.14/1.1.200	14/1 1 200 4	100-year	Circular	0	0	45.7	000.44	000.44	4 042	258	8.8	6816	16.7
LVVLL309	WLL309A	2-year	Circular	2	0	15.7	896.41	896.11	1.913	40	14.8	17	5.4
		10-vear								43	13.0	17	5.4
		25-vear								44	14.9	17	5.4
		50-year								44	14.8	17	5.4
		100-year								44	14.8	17	5.4
LWLL309	WLL309B	2-year	Trapezoidal	2	30	15.7	899.00	898.98	0.100	52	4.0	332	5.5
		5-year								92	4.5	332	5.5
		10-year								119	4.9	332	5.5
		25-year								156	5.4	332	5.5
		50-year								182	5.7	332	5.5
		100-year					0.000	0.5.5		223	6.1	332	5.5
LWLL310	LWLL310	2-year	Natural	5	6	33.7	897.07	896.41	1.958	124	5.8	12122	22.3
		o-year								135	5.6	12122	22.3
		25-year								103	5.8 5.7	12122	22.3
		50-year								236	5.7	12122	22.3
		100-year								259	5.7	12122	22.3
LWLL311	WLL311A	2-year	Circular	2.5	0	16.3	897.36	897.07	1.776	90	19.1	51	10.3
		5-year								91	19.0	51	10.3
		10-year								91	19.2	51	10.3
		25-year								91	19.0	51	10.3
		50-year								91	19.1	51	10.3
		100-year								91	19.2	51	10.3

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
	W/L 211P	2-1001	Trapazoidal		20	16.0	900.00	800.00	0 100	10	10	20F	E 4
LVVLL311	VVLL311B	2-year	rrapezoidal	2	30	10.3	900.00	099.98	0.100	50	1.9	325	5.4
		10-vear								75	3.0 	325	5.4
		25-vear								117	4.9	325	5.4
		50-year								149	5.3	325	5.4
		100-year								182	5.7	325	5.4
LWLL312	LWLL312	2-year	Natural	5	6	78.8	897.52	897.36	0.203	89	3.8	7629	9.2
		5-year								135	3.9	7629	9.2
		10-year								163	3.9	7629	9.2
		25-year								198	3.8	7629	9.2
		50-year								223	3.8	7629	9.2
		100-year								260	3.8	7629	9.2
LWLL313	8503.1	2-year	Circular	2	0	75.4	897.68	897.52	0.212	25	9.2	10	3.1
		5-year								25	9.1	10	3.1
		10-year								25	9.1	10	3.1
-		25-year								25	9.1	10	3.1
		50-year								25	9.0	10	3.1
		100-year								25	9.1	10	3.1
LWLL313	8503.2	2-year	I rapezoidal	2	30	75.4	899.97	899.89	0.100	75	3.8	303	5.0
		5-year								122	4.6	303	5.0
		10-year								149	5.0	303	5.0
		25-year								185	5.5	303	5.0
		100-year								212	5.7	303	5.0
	9279 1	2 voor	Circular	2	0	26.5	907 72	907.69	0 199	240	0.1	303	2.0
LVVLL314	0270.1	2-year	Circular	2	0	20.5	091.13	097.00	0.100	30	9.3	9	2.9
		10-vear								30	9.3	9	2.3
		25-vear								29	9.1	9	2.9
		50-vear								29	9.1	9	2.9
		100-year								29	9.0	9	2.9
LWLL314	8278.2	2-year	Trapezoidal	2	30	26.5	900.58	899.97	2.299	73	4.9	1410	23.5
		5-year								121	5.9	1410	23.5
		10-year								149	6.3	1410	23.5
		25-year								185	6.6	1410	23.5
		50-year								212	6.9	1410	23.5
		100-year								247	7.2	1410	23.5
LWLL315	8422.2	2-year	Trapezoidal	3	30	161.5	900.74	900.58	0.100	75	3.6	554	6.2
		5-year								114	4.3	554	6.2
		10-year								137	4.6	554	6.2
-		25-year								168	5.0	554	6.2
		50-year								192	5.3	554	6.2
		100-year								222	5.6	554	6.2
LWLL316	8423.1	2-year	Circular	2	0	320.0	901.44	898.07	1.053	26	8.1	22	6.9
		5-year								26	8.1	22	6.9
		10-year								26	8.1	22	6.9
		20-year								26	×.1 م ۱	22	6.9
		100-year								20 26	0.1 8.1	22	6.0
WI 316	8423.2	2-vear	Trapezoidal	3	30	320.0	905 69	901 7/	1 224	20 60	5.7	1055	21.7
2.022010	0720.2	5-year	. Tapozoluai	3		520.0		551.74	1.204	99	7.0	1955	21.7
		10-vear								122	7.6	1955	21.7
		25-year								153	8.3	1955	21.7
		50-year								177	8.8	1955	21.7
		100-year								208	9.4	1955	21.7
LWLL317	8279.1	2-year	Circular	2	0	63.5	901.73	901.44	0.456	24	7.5	14	4.5
		5-year								24	7.6	14	4.5
		10-year								24	7.5	14	4.5
		25-year								24	7.5	14	4.5
		50-year								24	7.5	14	4.5
		100-year								24	7.5	14	4.5

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
I W/I I 317	8279.2	2-vear	Tranezoidal	3	30	63.5	905 75	905.69	0 100	69	37	541	60
LWLLOW	0210.2	5-vear	Trapozoidar	0	00	00.0	000.70	000.00	0.100	106	4.4	541	6.0
		10-year								129	4.8	541	6.0
		25-year								159	5.2	541	6.0
		50-year								182	5.4	541	6.0
		100-year								212	5.8	541	6.0
LWLL318	8421.1	2-year	Circular	2	0	56.9	901.99	901.73	0.457	23	7.3	14	4.5
		5-year								22	6.9	14	4.5
		10-year								22	7.0	14	4.5
		25-year								22	7.0	14	4.5
		100-year								22	7.0	14	4.5
I WI I 318	8421.2	2-vear	Trapezoidal	3	30	56.9	905.81	905 75	0 100	75	3.5	571	6.3
EWELSIG	0421.2	5-vear	Trapezoidai	5		50.5	303.01	303.73	0.100	114	4.2	571	6.3
		10-year								137	4.6	571	6.3
		25-year								168	5.0	571	6.3
		50-year								191	5.2	571	6.3
		100-year								222	5.6	571	6.3
LWLL3A01	LWLL3A01	2-year	Natural	5.5	10	480.5	889.49	886.75	0.570	5	1.6	936	4.6
		5-year								6	1.7	936	4.6
		10-year								7	1.7	936	4.6
		25-year								8	1.7	936	4.6
		50-year								9	1.6	936	4.6
		100-year								11	1.6	936	4.6
LWLL3A02	WLL3A02A	2-year	Circular	2.5	0	113.2	890.59	889.49	0.972	4	4.5	38	7.6
		5-year								6	5.3	38	7.6
		25-vear								/ 8	5.6	30	7.0
		50-vear								9	6.2	38	7.0
		100-vear								11	6.5	38	7.6
LWLL3A02	WLL3A02B	2-vear	Trapezoidal	1	30	113.2	894.11	894.00	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2
LWLL3B01	8633.1	2-year	Special	4.5	4.5	89.0	890.50	890.22	0.315	17	3.1	56	5.4
		5-year								24	3.6	56	5.4
		10-year								29	3.8	56	5.4
		25-year								36	4.3	56	5.4
		100-year								40	4.6	0C	5.4
	8633.2	2-vear	Trapezoidal	1	3 0	90 0	801 62	801 00	0 709	45 0	0.0	257	0.4 8 6
LIVELODUI	0033.2	5-vear	Tapezulual		30	09.0	034.03	034.00	0.700	0	0.0	257	0.0 8.6
		10-vear								0	0.0	257	8.6
		25-year								0	0.0	257	8.6
		50-year								0	0.0	257	8.6
		100-year								0	0.0	257	8.6
LWLL3B02	8632.1	2-year	Special	4.5	4.5	38.8	890.62	890.50	0.310	17	3.8	55	5.4
		5-year								24	4.1	55	5.4
		10-year								29	4.3	55	5.4
		25-year								36	4.7	55	5.4
		50-year								40	4.9	55	5.4
		100-year			-		05 1	0.000		45	5.2	55	5.4
LWLL3B02	8632.2	2-year	I rapezoidal	1	30	38.8	894.87	893.63	3.198	0	0.0	545	18.2
		o-year								0	0.0	545	18.2
		25-vear								0	0.0	545	18.2
		50-vear								0	0.0	545	18.2
		100-vear								0	0.0	545	18.2
						1		1		5	0.0	0.0	

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLL3B03	8631.1	2-vear	Special	45	45	43.0	890.76	890.62	0.326	17	42	57	55
EWELODGO	000111	5-vear	opoolai	1.0	1.0	10.0	000.70	000.02	0.020	24	4.4	57	5.5
		10-year								29	4.7	57	5.5
		25-year								35	5.0	57	5.5
		50-year								40	5.2	57	5.5
		100-year								45	5.4	57	5.5
LWLL3B03	8631.2	2-year	Trapezoidal	1	30	43.0	895.19	893.87	3.072	0	0.0	535	17.8
		5-year								0	0.0	535	17.8
		10-year								0	0.0	535	17.8
		25-year								0	0.0	535	17.8
		100-year								0	0.0	535	17.8
LWLL3B04	8630.1	2-vear	Special	4.5	4.5	52.0	890.92	890.76	0.308	17	4.4	55	5.4
		5-year								25	4.7	55	5.4
		10-year								29	4.9	55	5.4
		25-year								35	5.2	55	5.4
		50-year								39	5.4	55	5.4
		100-year								44	5.5	55	5.4
LWLL3B04	8630.2	2-year	Trapezoidal	1	30	52.0	896.00	894.19	3.479	0	0.0	569	19.0
		5-year								0	0.0	569	19.0
		10-year								0	0.0	569	19.0
		25-year								0	0.0	569	19.0
		50-year								0	0.0	569	19.0
LWILL3B05	8620.1	2-vear	Special	15	15	30.5	801.04	800.02	0 304	17	0.0	55	19.0 5.4
LWLL3B03	0029.1	2-year 5-year	Special	4.5	4.5	39.5	091.04	090.92	0.304	24	4.5	55	5.4
		10-vear								29	5.1	55	5.4
		25-year								35	5.4	55	5.4
		50-year								39	5.5	55	5.4
		100-year								44	5.6	55	5.4
LWLL3B05	8629.2	2-year	Trapezoidal	2	30	39.5	895.04	895.00	0.100	0	0.0	296	4.9
		5-year								0	0.0	296	4.9
		10-year								0	0.0	296	4.9
		25-year								0	0.0	296	4.9
		50-year								0	0.0	296	4.9
	9077 4	100-year	Circular	2	0	166.2	901 50	005 00	2 717	0	0.0	296	4.9
LVVLL401	0277.1	z-year	Circular	2	0	100.3	691.50	005.32	3.717	21	0.9	40	12.9
		10-vear								34	12.4	40	12.9
		25-vear								41	13.0	40	12.9
		50-year								44	14.0	40	12.9
		100-year								46	14.4	40	12.9
LWLL401	8277.2	2-year	Trapezoidal	1	30	166.3	895.50	892.00	2.105	0	0.0	443	14.8
		5-year								0	0.0	443	14.8
		10-year								0	0.0	443	14.8
		25-year								0	0.0	443	14.8
		50-year								6	2.7	443	14.8
		100-year	Circuit - T			110.0	007.0-	000 55	1 000	14	3.8	443	14.8
LVVLL501	VVLL501A	∠-year	Circular	2	0	110.2	887.97	886.55	1.289	26	7.8	24	7.6
		10-vear								20 26	7.9	24	7.0
		25-vear								20	8.0	24	7.6
		50-year								26	7.9	24	7.6
		100-year								26	8.0	24	7.6
LWLL501	WLL501B	2-year	Trapezoidal	6	30	110.2	890.11	890.00	0.100	29	2.5	1593	8.8
		5-year								57	3.3	1593	8.8
		10-year								75	3.7	1593	8.8
		25-year								102	4.2	1593	8.8
		50-year								122	4.4	1593	8.8
		100-year								145	4.4	1593	8.8

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWI I 601	8420 1	2-vear	Circular	15	<u>Λ</u>	22.1	887 95	887 33	2 811	18	10.1	16	93
LIVELOUT	0120.1	5-vear	onoului	1.0			001.00	007.00	2.011	18	10.1	16	9.3
		10-year								18	10.1	16	9.3
		25-year								18	10.1	16	9.3
		50-year								18	10.1	16	9.3
		100-year								18	10.5	16	9.3
LWLL601	8420.2	2-year	Trapezoidal	6	30	22.1	893.89	893.87	0.100	9	2.0	1518	8.4
		5-year								19	2.4	1518	8.4
		10-year								24	2.7	1518	8.4
		25-year								32	3.0	1518	8.4
		100-year								46	3.4	1518	8.4
LWLL701	8419.1	2-vear	Circular	1.5	0	21.6	890.11	888.58	7.083	28	16.0	26	14.7
		5-year								28	16.0	26	14.7
		10-year								28	16.0	26	14.7
		25-year								28	16.0	26	14.7
		50-year								28	16.0	26	14.7
		100-year								28	16.0	26	14.7
LWLL701	8419.2	2-year	Trapezoidal	2	30	21.6	895.02	895.00	0.100	-21	-2.2	283	4.7
		5-year								32	2.7	283	4.7
		10-year								43	2.9	283	4.7
		25-year								58	3.2	283	4.7
		50-year								69	3.4	283	4.7
		2-vear	Circular	6	0	100.1	873 21	871.00	1 1 1 8	3/1	3.5 16.4	203	4.7
LVVLIVICOT	LIVENCOT	2-year 5-year	Circular	0	0	109.1	073.21	071.99	1.110	440	16.8	410	14.7
		10-vear								489	17.5	416	14.7
		25-year								582	20.1	416	14.7
		50-year								680	24.0	416	14.7
		100-year								753	26.6	416	14.7
LWLMC02	WLMC02A	2-year	Circular	6	0	85.0	874.16	873.21	1.118	341	16.4	416	14.7
		5-year								440	16.8	416	14.7
		10-year								489	17.1	416	14.7
		25-year								582	20.2	416	14.7
		50-year								680	24.0	416	14.7
		100-year	Tranazaidal	1	20	95.0	010.00	000.02	0.100	755	20.5	410	14.7
LVVLIVICUZ	VVLIVICU2B	z-year	Паредоциа	1		65.0	910.00	909.92	0.100	0	0.0	94	3.1
		10-vear								0	0.0	94	3.1
		25-vear								0	0.0	94	3.1
		50-year								0	0.0	94	3.1
		100-year								0	0.0	94	3.1
LWLMC03	WLMC03A	2-year	Circular	6	0	70.4	874.95	874.16	1.122	263	14.2	417	14.7
		5-year								330	15.3	417	14.7
		10-year								388	16.2	417	14.7
		25-year								510	18.0	417	14.7
		50-year								597	21.0	417	14.7
		100-year	Teerstit			70 1	040.07	040.00	0.105	660	23.2	417	14.7
LVVLMC03	WLMC03B	2-year	i rapezoidal	1	30	70.4	910.07	910.00	0.100	0	0.0	96	3.2
		o-year								0	0.0	96	3.2
		25-year								0	0.0	96	3.2
		50-year								0	0.0	96	3.2
		100-year								0	0.0	96	3.2
LWLMC04	LWLMC04	2-year	Trapezoidal	10	4	18.2	875.25	874.95	1.650	266	4.6	7100	16.1
		5-year								351	4.6	7100	16.1
		10-year								411	4.6	7100	16.1
		25-year								511	4.6	7100	16.1
		50-year								597	4.6	7100	16.1
		100-year								660	4.6	7100	16.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLMC05	LWLMC05	2-vear	Natural	18	4	321.2	880.50	875.25	1 634	235	71	53030	18.8
EWEINOUS	EWEMOOS	5-vear	Naturai	10		521.2	000.00	070.20	1.004	203	7.1	53939	18.8
		10-vear								346	7.3	53939	18.8
		25-year								477	7.3	53939	18.8
		50-year								569	7.3	53939	18.8
		100-year								608	7.3	53939	18.8
LWLMC06	WLMC06A	2-year	Circular	4	0	40.4	882.00	880.50	3.711	235	19.9	150	11.9
		5-year								293	24.1	150	11.9
		10-year								316	25.5	150	11.9
		25-year								319	25.6	150	11.9
		50-year								319	25.6	150	11.9
		100-year								320	25.6	150	11.9
LWLMC06	WLMC06B	2-year	Trapezoidal	1	30	40.4	890.00	889.96	0.100	0	0.0	96	3.2
		5-year								0	0.0	96	3.2
		10-year								29	2.7	96	3.2
		25-year								164	5.5	96	3.2
		50-year								260	8.7	96	3.2
		2 vocr	Notural	^	20	105 7	000.00	000.00	0 1 4 2	338	11.3	90	3.2
		∠-year 5-year	เงลเนโล	9		195.7	002.28	002.00	0.143	214	1.2	5617	<u></u>
		10-veer								213	1.2	5617	ى.ى م د
		25-year								JZ 1 456	1.2	5617	3.0
		50-vear								597	1.2	5617	3.8
		100-vear								682	1.2	5617	3.8
LWLMC08	I WI MC08	2-vear	Natural	10	10	329.5	882 76	882.28	0 146	168	1.2	10491	4.8
EWEMOOO	EWEMOOO	5-vear	i tatara	10	10	020.0	002.70	002.20	0.110	259	1.7	10491	4.8
		10-year								312	1.7	10491	4.8
		25-year								377	1.7	10491	4.8
		50-year								422	1.7	10491	4.8
		100-year								475	1.7	10491	4.8
LWLMC09	WLMC09A	2-year	User Defined	0	0	16.9	882.84	882.76	0.473	169	1.4	0	8.1
		5-year								261	1.9	0	8.1
		10-year								314	2.2	0	8.1
		25-year								378	2.4	0	8.1
		50-year								423	2.5	0	8.1
		100-year								477	2.6	0	8.1
LWLMC09	WLMC09B	2-year	Trapezoidal	1	30	16.9	898.00	897.98	0.100	0	0.0	105	3.5
		5-year								0	0.0	105	3.5
		10-year								0	0.0	105	3.5
		25-year								0	0.0	105	3.5
		50-year								0	0.0	105	3.5
		2 vcor	Notural	40	4.0	600.0	004.04	000.04	0.040	0	0.0	105	3.5
	LVVLIVIC10	∠-year 5-year	inatural	10	12	028.0	884.21	ŏŏ∠.ŏ4	0.218	114	2.6	9285	5.5
		10-year								207	2.8	3200 0285	5.5
		25-vear								207	2.9 3 0	9200 9285	5.5
		50-vear								243	3.1	9285	5.5
		100-year								293	3.1	9285	5.5
LWLMC11	WLMC11A	2-year	Rectangular	3	6	134.0	884.94	884.21	0.545	115	6.8	141	7.8
		5-year				20				172	9.3	141	7.8
		10-year								207	11.5	141	7.8
		25-year								244	13.5	141	7.8
		50-year								267	14.8	141	7.8
		100-year								293	16.2	141	7.8
LWLMC11	WLMC11B	2-year	Trapezoidal	1	30	134.0	894.00	893.87	0.100	0	0.0	95	3.2
		5-year								0	0.0	95	3.2
		10-year								0	0.0	95	3.2
		25-year								0	0.0	95	3.2
		50-year								0	0.0	95	3.2
		100-year								0	0.0	95	3.2

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLMC12	LWLMC12	2-vear	Natural	8	10	137.9	885.32	884 94	0 276	111	20	2168	5.5
ETTEMOTE	EWEMOTE	5-vear	- tatara	0	10	107.0	000.02	001.01	0.270	171	2.1	2168	5.5
		10-year								204	2.1	2168	5.5
		25-year								240	2.1	2168	5.5
		50-year								264	2.1	2168	5.5
		100-year								290	2.1	2168	5.5
LWLMC13	LWLMC13	2-year	Natural	7	5	446.7	886.55	885.32	0.275	101	2.4	2827	5.0
		5-year								180	2.4	2827	5.0
		10-year								223	2.4	2827	5.0
		25-year								255	2.4	2827	5.0
		100-year								280	2.4	2827	5.0
	8276 1	2-vear	Circular	2	0	70.0	887 33	886 55	0.976	/18	15.2	2027	5.0
EWENOT	0270.1	5-vear	Oncular	2	0	15.5	007.00	000.00	0.570	57	17.9	21	6.6
		10-vear								57	17.9	21	6.6
		25-year								57	18.0	21	6.6
		50-year								57	18.1	21	6.6
		100-year								57	18.1	21	6.6
LWLMC14	8276.2	2-year	Trapezoidal	2	30	79.9	894.87	891.00	4.842	0	0.0	2046	34.1
		5-year								51	8.1	2046	34.1
		10-year								91	10.2	2046	34.1
		25-year								129	11.8	2046	34.1
		50-year								157	12.7	2046	34.1
		100-year								193	13.8	2046	34.1
LWLMC15	8275.1	2-year	Circular	2.5	0	635.5	888.58	887.33	0.197	33	6.7	17	3.4
		5-year								34	6.8	17	3.4
		10-year								33	6.8	17	3.4
		50-year								33	6.8	17	3.4
		100-year								33	6.7	17	3.4
LWLMC15	8275.2	2-vear	Trapezoidal	3	30	635.5	896.00	892 87	0 493	15	2.0	1235	13.7
ETTEMOTO	0210.2	5-vear	Trapozoidai	0	00	000.0	000.00	002.07	0.100	68	1.9	1235	13.7
		10-year								96	2.3	1235	13.7
		25-year								125	2.8	1235	13.7
		50-year								144	3.2	1235	13.7
		100-year								170	3.6	1235	13.7
LWLMC16	8274.1	2-year	Circular	2	0	429.9	894.42	888.58	1.358	18	5.6	24	7.8
		5-year								17	5.4	24	7.8
		10-year								17	5.4	24	7.8
		25-year								17	5.4	24	7.8
		50-year								17	5.4	24	7.8
	0074.0	100-year	Tropozsidal		20	400.0	000 75	004.00	1 105	17	5.6	24	8.7
LVVLIVIC16	8274.2	∠-year 5-year	rapezoidal	3	30	429.9	898.75	894.00	1.105	0	0.0	1850	20.6
		10-veer								30 20	1.0	1850	20.6
		25-vear								51	1.0	1850	20.0
		50-year								60	1.4	1850	20.6
		100-year								72	1.6	1850	20.6
LWLMC17	8273.1	2-year	Circular	2	0	603.9	906.62	894.42	2.020	30	9.5	30	9.5
		5-year								31	9.8	30	9.5
		10-year								31	9.8	30	9.5
		25-year								31	9.9	30	9.5
		50-year								31	9.9	30	9.5
		100-year								31	9.9	30	9.5
LWLMC17	8273.2	2-year	Trapezoidal	2	30	603.9	911.12	897.75	2.214	0	0.0	1384	23.1
		5-year								16	0.9	1384	23.1
		10-year								25	1.3	1384	23.1
		25-year								37	1.7	1384	23.1
		50-year								46	2.1	1384	23.1
		100-year								58	2.5	1384	23.1

Link Name	Conduit Name	Return Period	Shape	Diam./ Height (feet)	Bottom Width (feet)	Length (feet)	U/S Invert (feet)	D/S Invert (feet)	Conduit Slope (%)	Max Flow (cfs)	Max Velocity (fps)	Design Full Flow (cfs)	Design Velocity (fps)
LWLMC18	8417.1	2-year	Circular	2	0	51.3	908.89	906.62	4.428	32	13.1	44	14.1
		5-year								36	13.0	44	14.1
		10-year								36	13.0	44	14.1
		25-year								37	13.2	44	14.1
		50-year								37	13.0	44	14.1
		100-year								37	13.0	44	14.1
LWLMC18	8417.2	2-year	Trapezoidal	2	30	51.3	911.89	910.12	3.453	0	0.0	1728	28.8
		5-year								21	1.2	1728	28.8
		10-year								30	1.6	1728	28.8
		25-year								42	2.1	1728	28.8
		50-year								51	2.5	1728	28.8
		100-year								63	2.9	1728	28.8
RCL0820	RCL0820A	2-year	Circular	3	0	77.3	913.50	913.39	0.142	27	11.6	23	3.3
		5-year								37	5.9	23	3.3
		10-year								45	6.6	23	3.3
		25-year								51	7.1	23	3.3
		50-year								54	7.5	23	3.3
		100-year								66	9.2	23	3.3
RCL0820	RCL0820B	2-year	Trapezoidal	1	30	77.3	918.77	918.69	0.104	0	0.0	98	3.3
		5-year								0	0.0	98	3.3
		10-year								0	0.0	98	3.3
		25-year								0	0.0	98	3.3
		50-year								0	0.0	98	3.3
		100-year								0	0.0	98	3.3

Appendix C HEC-RAS Model Results





Country Club





Table C.1Country Club Results for Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	5999.805	2-YEAR	108.38	929.07	935.34		935.34	0.000001	0.14	847.19	262.24
1	5999.805	5-YEAR	161.31	929.07	935.69		935.69	0.000002	0.19	942	280.17
1	5999.805	10-YEAR	193.64	929.07	935.82		935.82	0.000003	0.22	980.3	287.01
1	5999.805	25-YEAR	236.65	929.07	935.89		935.89	0.000004	0.27	999.33	291.61
1	5999.805	50-YEAR	269.64	929.07	935.97		935.98	0.000005	0.3	1024.77	297.86
1	5999.805	100-YEAR	313.79	929.07	936.06		936.06	0.000007	0.34	1050.74	304.11
1	5973.188	2-YEAR	108.38	928.54	935.34	930.32	935.34	0.000002	0.16	787.02	268.74
1	5973.188	5-YEAR	161.31	928.54	935.69	930.56	935.69	0.000003	0.21	884.9	293.26
1	5973.188	10-YEAR	193.64	928.54	935.82	930.69	935.82	0.000004	0.25	925.2	303.62
1	5973.188	25-YEAR	236.65	928.54	935.89	930.85	935.89	0.000006	0.3	945.3	308.48
1	5973.188		269.64	928.54	935.97	930.96	935.98	0.000007	0.33	972.17	314.85
1	5973.188	100-TEAR	313.79 Culvert	926.54	936.06	931.09	936.06	0.000009	0.38	999.56	321.11
1	5928.188			000.45	000.0	000 50	000.00	0.040040	5.00	00.50	04.04
1	5889.01	2-YEAR	108.38	928.15	929.6	929.58	930.03	0.018049	5.28	20.53	34.64
1	5889.01	5-YEAR	161.31	928.15	929.87	929.87	930.42	0.01/63	5.98	26.96	42.94
1	5889.01	10-YEAR	193.64	928.15	930.03	930.03	930.63	0.016044	6.23 6.65	31.09	49.25
1	5009.01	20-TEAR	230.03	920.13	930.21	930.21	930.69	0.016278	0.00	20.0	55.92
1	5889.01	100-YEAR	209.04	928.15	930.33	930.33	931.00	0.015099	0.93	30.92 42.98	72.26
1	5845 310		109.39	920.13	020.21	028.00	020.42	0.01321	2.91	42.50	51 28
1	5845.319		100.30	927.74	929.31	920.99	929.43	0.000442	2.01	50.00	01.30 62.62
1	5845 319		101.51	927.74	929.52	929.2	929.00	0.000001	3.22	56.58	74.22
1	5845 319	25-YEAR	236.65	927.74	929.01	929.32	929.0	0.007011	3.5	65.9	90.02
1	5845 319	50-YEAR	269.64	927.74	929.8	929.53	930.05	0.007257	4 01	73 36	99.82
1	5845 319	100-YEAR	313 79	927.74	929.9	929.63	930 17	0.007201	4.01	83 11	106.03
1	5607 176	2-YEAR	108 38	925.5	926 51	926 51	926 77	0.023565	4.06	26.68	54 15
1	5607 176	5-YEAR	161.31	925.5	926.68	926.68	926.99	0.021856	4 48	36.01	59.66
1	5607.176	10-YEAR	193.64	925.5	926.76	926.76	927.1	0.021137	4.68	41.38	62.62
1	5607.176	25-YEAR	236.65	925.5	926.87	926.87	927.24	0.02035	4.9	48.28	66.22
1	5607.176	50-YEAR	269.64	925.5	926.94	926.94	927.34	0.019869	5.07	53.19	68.69
1	5607.176	100-YEAR	313.79	925.5	927.03	927.03	927.47	0.019264	5.32	59.14	71.63
1	5344.232	2-YEAR	108.38	922.46	923.43		923.5	0.00485	2.18	49.8	78.79
1	5344.232	5-YEAR	161.31	922.46	923.57		923.68	0.005671	2.63	61.29	81.96
1	5344.232	10-YEAR	193.64	922.46	923.65		923.78	0.005935	2.85	68.05	83.77
1	5344.232	25-YEAR	236.65	922.46	923.75		923.9	0.006253	3.1	76.34	85.93
1	5344.232	50-YEAR	269.64	922.46	923.82		923.98	0.006496	3.28	82.18	87.43
1	5344.232	100-YEAR	313.79	922.46	923.9		924.09	0.006662	3.49	89.96	89.41
1	5167.427	2-YEAR	108.38	920.89	921.7	921.68	921.88	0.023111	3.48	31.1	78.35
1	5167.427	5-YEAR	161.31	920.89	921.86	921.81	922.07	0.016789	3.61	44.66	83.88
1	5167.427	10-YEAR	193.64	920.89	921.94	921.87	922.16	0.015599	3.75	51.6	86.58
1	5167.427	25-YEAR	236.65	920.89	922.04	921.96	922.28	0.014251	3.92	60.42	89.85
1	5167.427	50-YEAR	269.64	920.89	922.11	922.02	922.37	0.013525	4.06	66.51	92.01
1	5167.427	100-YEAR	313.79	920.89	922.19	922.09	922.47	0.013124	4.28	73.81	94.54
1	5009.304	2-YEAR	108.38	919.4	920.33	920.04	920.4	0.004875	2.19	49.48	181.81
1	5009.304	5-YEAR	161.31	919.4	920.48	920.19	920.58	0.005788	2.62	61.66	202.21
1	5009.304	10-YEAR	193.64	919.4	920.57	920.26	920.69	0.006015	2.8	69.26	214.16
1	5009.304	25-YEAR	236.65	919.4	920.67	920.36	920.81	0.006324	3.01	78.51	227
1	5009.304		269.64	919.4	920.73	920.42	920.89	0.006616	3.18	84.77	232.83
1	0009.304		313.79	919.4	920.81	920.51	920.99	0.005005	3.42	91.97	231.11
1	4894.661		108.38	918.22	919.11	919.11	919.3	0.025995	3.5	30.97	113.38
1	4894.661		161.31	918.22	919.23	919.23	919.43	0.020/44	3.66	48.64	129.46
1	4094.001	10-TEAK	193.04	918.22	919.28	919.28	919.51	0.020677	3.89	55.48	131.94
1	4034.001	20-1 EAK	230.05	918.22	919.35	919.35	919.6	0.020084	4.12	04.58 74.70	135.15
1	4094.001		209.04	910.22	919.41	919.41 010 / C	919.07	0.0192/3	4.25 1 10	20.04	1/6 01
1	4615 407		170 64	910.22 011 F7	919.40 015 /5	J19.40 015 10	919.70 015 F2	0.010942	4.40	00.04 20.00	112.24
1	4615 /27		26/ 20	01/ 57	015 71	015 29	015 9	0.004409	2.24	110 0	10.24
1	4615 /27		204.09	914.37 011 57	015.02	910.20 Q15.26	015.02	0.003003	2.39	126 70	124.17 128 09
1	4615 427	25-YEAR	386.21	014.57 014.57	Q15 Q2	915.30 915.45	016 NG	0.003490	2.49	145 15	134 08
1	4615 427	50-YEAR	439.64	914.57	916.08	010.40	916.03	0.003323	2.00	160 15	156.01
1	4615.427	100-YEAR	509.39	914.57	916.21		916.34	0.003167	2.9	180.75	166.02

Table C.1Country Club Results for Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	4308.532	2-YEAR	179.64	910.96	913.37	913.32	913.71	0.008493	4.87	50.57	76.8
1	4308.532	5-YEAR	264.89	910.96	913.57	913.57	914.02	0.010284	5.85	66.51	83.07
1	4308.532	10-YEAR	316.29	910.96	913.69	913.69	914.19	0.010752	6.27	76.35	86.71
1	4308.532	25-YEAR	386.21	910.96	913.85	913.85	914.39	0.0108	6.66	90.57	91.71
1	4308.532	50-YEAR	439.64	910.96	913.97	913.97	914.53	0.01072	6.91	101.4	95.35
1	4308.532	100-YEAR	509.39	910.96	914.08	914.08	914.7	0.011169	7.32	112.74	99.02
1	4024.775	2-YEAR	179.64	909.38	910.37	910.28	910.6	0.014215	3.83	46.86	71.04
1	4024.775	5-YEAR	264.89	909.38	910.65	910.48	910.89	0.010477	3.87	68.45	81.39
1	4024.775	10-YEAR	316.29	909.38	910.84	910.58	911.06	0.008644	3.78	83.72	89.33
1	4024.775	25-YEAR	386.21	909.38	911.04	910.69	911.26	0.00706	3.75	104.8	120.77
1	4024.775	50-YEAR	439.64	909.38	911.18	910.8	911.39	0.006041	3.76	121.87	126.24
1	4024.775	100-YEAR	509.39	909.38	911.34	910.91	911.56	0.005255	3.81	142.71	132.6
1	3792.729	2-YEAR	21.19	906.18	906.92	906.92	907.09	0.024643	3.37	6.3	17.47
1	3792.729	5-YEAR	112.32	906.18	907.59	907.59	907.94	0.020523	4.76	23.57	33.87
1	3792.729	10-YEAR	195.67	906.18	907.94	907.94	908.38	0.019007	5.32	36.79	42.33
1	3792.729	25-YEAR	320.63	906.18	908.3	908.3	908.86	0.016259	6.05 6.FC	54.11	51.8
1	3792.729		411.95 529.24	906.18	908.51	908.51	909.17	0.015379	0.00	00.42	55.92
1	3192.129	100-TEAK	JZ0.31	900.16	906.77	906.77	909.32	0.013697	0.99	00.03	01.11
1	3636.729			000.07	005 50	000.00	005 50	0.00000	0.05	00.50	04.44
1	3524.057		21.19	902.87	905.58	903.28	905.56	0.00003	0.35	146.29	31.41
1	3524.037		112.32	902.87	907.20	904.04	907.29	0.0001	0.07	140.20	90.5
1	3524.037	25-VEAR	320.63	902.87	907.07	904.49	907.09	0.000191	1.29	210 11	125.3
1	3524.657	50-YEAR	411 95	902.87	908.12	905.37	908.19	0.000509	23	240.31	132 35
1	3524 657	100-YEAR	528.31	902.87	908.25	905.75	908.36	0.000724	2.0	258.02	136.98
1	3493 204	2-YEAR	21 19	902.48	905 58	902.87	905 58	0.000022	0.32	66.03	30.04
1	3493 204	5-YEAR	112 32	902.40	907.28	903.62	907 29	0.000022	0.87	131.66	99.65
1	3493 204	10-YEAR	195.67	902.48	907.66	904 12	907.69	0.000172	1 26	199.8	120.18
1	3493.204	25-YEAR	320.63	902.48	907.94	904.68	907.99	0.000336	1.86	235.38	133.83
1	3493.204	50-YEAR	411.95	902.48	908.11	905.07	908.17	0.000466	2.25	257.56	141.68
1	3493.204	100-YEAR	528.31	902.48	908.23	905.49	908.33	0.000671	2.76	275.78	147.81
1	3463.204		Culvert								
1	3449.118	2-YEAR	21.19	902.04	905.53	902.78	905.54	0.000021	0.57	37.39	18.29
1	3449.118	5-YEAR	112.32	902.04	906.13	903.81	906.23	0.000324	2.52	44.6	35.88
1	3449.118	10-YEAR	195.67	902.04	906.52	904.44	906.61	0.000999	2.52	77.58	47.47
1	3449.118	25-YEAR	320.63	902.04	906.81	905.23	907	0.002125	3.41	93.96	65.18
1	3449.118	50-YEAR	411.95	902.04	906.92	905.74	907.18	0.003164	4.06	101.35	73.17
1	3449.118	100-YEAR	528.31	902.04	907.06	906.41	907.4	0.004405	4.71	112.13	83.48
1	3292.877	2-YEAR	21.19	902.04	905.53		905.53	0	0.04	544.28	164.63
1	3292.877	5-YEAR	112.32	902.04	906.18		906.18	0.000001	0.17	653.41	173.17
1	3292.877	10-YEAR	195.67	902.04	906.56		906.56	0.000003	0.27	720.72	178.25
1	3292.877	25-YEAR	320.63	902.04	906.9		906.9	0.000007	0.41	781.53	182.58
1	3292.877	50-YEAR	411.95	902.04	907.04		907.05	0.000011	0.51	807.57	184.39
1	3292.877	100-YEAR	528.31	902.04	907.22		907.23	0.000015	0.63	840.68	190.59
1	2837.428	2-YEAR	48.9	902.04	905.53	902.27	905.53	0.000002	0.17	283.27	257.85
1	2837.428	5-YEAR	122.11	902.04	906.18	902.45	906.18	0.000002	0.18	686.3	277.55
1	2837.428	10-YEAR	205.15	902.04	906.56	902.63	906.56	0.000003	0.27	760.81	285.68
1	2837.428	25-YEAR	328.92	902.04	906.9	902.84	906.9	0.000007	0.4	828.95	294.49
1	2031.420 2827 420		398.93	902.04	907.04	902.96	907.04	0.000009	0.46	050.23	290.58
1	2031.420	100-TEAR	JUU.19	902.04	907.21	903.1	907.22	0.000013	0.56	090.13	299.18
4	2000.420			000.00	000.0	000.0	000.07	0.005400	2.00	04.44	74.00
1	2010.003		19.38	902.32	902.9	902.9	903.07	0.025406	3.29	24.11	/1.06
1	2010.003		127.85	902.32	903.05	903.05	903.24	0.024121	3.55	30.02 E1 75	91.17
1	2670.003	25-VEAD	210.00	302.32 002.22	303.23 002.40	903.23 003.40	903.47 003 73	0.02230	3.90 1 17	04.70 76.05	105.25
1	2670.083	50-YEAR	Δ17 Δ7	902.32 QN2 32	903.42 QN3 51	903.42	903.73 QN3 86	0.020004	4.47 4.75	26.01	120.30
1	2670.083	100-YEAR	521.00	902.32	903.51	903.51	903.00	0.018634	5.11	103.37	136.15
1	2610.083		Culvert	JUZ.JZ	303.0Z	303.02	JU4.02	0.010034	5.11	100.07	100.2
	2010.000	1	Jungit	I		I					
Table C.1Country Club Results for Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	2522.469	2-YEAR	79.38	891.69	893.34	892.96	893.44	0.005007	2.59	30.6	37.97
1	2522.469	5-YEAR	127.85	891.69	893.66	893.21	893.79	0.004904	2.9	44.07	45.54
1	2522.469	10-YEAR	216.56	891.69	894.03	893.56	894.22	0.004766	3.46	66.66	74.98
1	2522.469	25-YEAR	343.63	891.69	894.38	893.95	894.64	0.005012	4.16	94.9	90.93
1	2522.469	50-YEAR	417.47	891.69	894.54	894.13	894.84	0.005167	4.5	108.64	98.54
1	2522.469	100-YEAR	521.09	891.69	894.74	894.35	895.09	0.005406	4.94	125.48	108.78
1	2476.745	2-YEAR	79.38	891.45	892.99		893.14	0.007873	3.16	25.14	32.6
1	2476.745	5-YEAR	127.85	891.45	893.29		893.48	0.008615	3.53	36.25	42.64
1	2476.745	10-YEAR	216.56	891.45	893.69		893.91	0.00958	3.76	57.62	66.8
1	2476.745	25-YEAR	343.63	891.45	894.11		894.33	0.008205	3.73	92.08	96.12
1	2476.745	50-YEAR	417.47	891.45	894.32		894.53	0.006391	3.69	114.03	107.46
1	2476.745	100-YEAR	521.09	891.45	894.57		894.79	0.005179	3.78	141.2	116.89
1	2236.323	2-YEAR	67.81	889.6	891.26		891.4	0.006635	3.07	22.07	26.15
1	2236.323	5-YEAR	118.98	889.6	891.75		891.89	0.005083	3.05	38.95	38.11
1	2236.323	10-YEAR	202.95	889.6	892.29		892.46	0.003961	3.3	61.48	44.38
1	2236.323	25-YEAR	328.52	889.6	892.9		893.1	0.003391	3.66	89.88	49.44
1	2236.323	50-YEAR	416.74	889.6	893.24		893.47	0.00323	3.89	107.17	52.04
1	2236.323	100-YEAR	520.82	889.6	893.58		893.85	0.003027	4.17	125.44	54.79
1	2016.047	2-YEAR	67.81	887.94	890.21	889.58	890.33	0.003673	2.8	24.23	20.87
1	2016.047	5-YEAR	118.98	887.94	890.65	890.01	890.84	0.004497	3.48	34.2	24.72
1	2016.047	10-YEAR	202.95	887.94	891.1	890.52	891.4	0.005811	4.38	46.34	28.73
1	2016.047	25-YEAR	328.52	887.94	891.61	891.08	892.05	0.006991	5.3	62.01	33.19
1	2016.047	50-YEAR	416.74	887.94	891.86	891.39	892.41	0.007515	5.91	70.64	35.31
1	2016.047	100-YEAR	520.82	887.94	892.12	891.7	892.79	0.007935	6.57	80.05	37.46
1	974.9855	2-YEAR	169.05	881.77	884.19	883.81	884.46	0.006889	4.15	40.74	50.9
1	974.9855	5-YEAR	266.93	881.77	884.63	884.2	884.85	0.00647	3.77	70.84	60.44
1	974.9855	10-YEAR	324.83	881.77	884.8	884.4	885.05	0.006269	4	81.14	61.71
1	974.9855	25-YEAR	470.54	881.77	885.19	884.69	885.49	0.005806	4.45	105.7	64.65
1	974.9855	100 VEAR	592.15 750.44	001.77	000.47	004.9	000.02	0.005368	4.70	124.53	60.02
1	974.9600		750.44	001.77	070.05	000.10	000.2	0.00539	5.14	140.08	09.32
1	420.0397	Z-TEAK	266.02	0/5.2 975 0	0/0.U5 979 60	0/0.05 979 60	0/0./b 970.40	0.01709	0./8 7.40	24.94	17.54
1	420.0097		200.93	010.2 975 0	010.02 979 0	0/0.02 979 0	01 9.40 970 00	0.010093	7.42	30.95 42.07	21.00
1	420.3397		470 54	875.2	870.0	870.40	880.56	0.015204	9.21	42.07	22.01
1	420.5397	20-TEAR	470.34 502.15	073.2 975-2	870.02	870.02	881.06	0.013204	0.31	50.0	20.00
1	426 5397	100-YEAR	750 44	875.2	880 34	880 34	881.63	0.013815	9.12	82 65	34 45
1	180 664	2-YEAR	160.05	870 60	873.09	873.85	87/ 65	0.013053	66	25.00	15 50
1	180.664	5-YEAR	266.03	870.60	874 50	874 / 8	875 11	0.013067	7/	36.05	18.59
1	180.664	10-YEAR	324.83	870.69	874.89	874 79	875.83	0.013962	7 78	41 78	19.0
1	180.664	25-YEAR	470 54	870.69	875 51	875 44	876.64	0.013956	8.53	55 17	22.88
1	180.664	50-YEAR	592 15	870.69	875 95	875 91	877 21	0.013972	9.04	65.52	24.00
1	180.664	100-YEAR	750,44	870.69	876.37	876.36	877.87	0.01396	9,81	76.63	26.97

Table C.2 Country Club Results for Future Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	5999.805	2-YEAR	107.72	929.07	935.3		935.3	0.000001	0.14	837.73	260.34
1	5999.805	5-YEAR	161.11	929.07	935.71		935.71	0.000002	0.19	949.52	281.53
1	5999.805	10-YEAR	193.53	929.07	935.84		935.84	0.000003	0.22	984.23	287.83
1	5999.805	25-YEAR	236.25	929.07	935.89		935.89	0.000004	0.27	998.96	291.52
1	5999.805	50-YEAR	269.03	929.07	935.98		935.98	0.000005	0.3	1026.99	298.4
1	5999.805	100-YEAR	313.23	929.07	936.05		936.06	0.000007	0.34	1048.74	303.63
1	5973.188	2-YEAR	107.72	928.54	935.3	930.32	935.3	0.000002	0.16	777.33	266.73
1	5973.188	5-YEAR	161.11	928.54	935.71	930.56	935.71	0.000003	0.21	892.8	295.33
1	5973.188	10-YEAR	193.53	928.54	935.84	930.69	935.84	0.000004	0.24	929.35	304.63
1	5973.188	25-YEAR	236.25	928.54	935.89	930.85	935.89	0.000006	0.3	944.9	308.38
1	5973.188	50-YEAR	269.03	928.54	935.98	930.96	935.98	0.000007	0.33	974.52	315.4
1	5973.188	100-YEAR	313.23	928.54	936.05	931.08	936.06	0.000009	0.38	997.46	320.63
1	5928.188		Culvert								
1	5889.01	2-YEAR	107.72	928.15	929.59	929.58	930.02	0.018	5.26	20.46	34.57
1	5889.01	5-YEAR	161.11	928.15	929.87	929.87	930.42	0.017308	5.94	27.1	43.17
1	5889.01	10-YEAR	193.53	928.15	930.03	930.03	930.63	0.016861	6.26	30.94	49.03
1	5889.01	25-YEAR	236.25	928.15	930.21	930.21	930.89	0.016223	6.64	35.6	55.92
1	5889.01		269.03	928.15	930.34	930.34	931.08	0.0155/1	6.91	38.96	60.91
1	5045.010		313.23	928.15	930.49	930.49	931.31	0.015189	7.28	43	72.3
1	5845.319		107.72	927.74	929.31	928.99	929.43	0.006451	2.81	38.36	51.24
1	5845.319		161.11	927.74	929.52	929.2	929.68	0.006805	3.22	50.28	62.55
1	5845.319	10-YEAR	193.53	927.74	929.61	929.31	929.8	0.007004	3.49	50.58	74.22
1	5045.319		230.23	927.74	929.72	929.43	929.95	0.007151	3.0 4	00.07	09.97
1	5045.319	100 VEAR	209.03	927.74	929.0	929.55	930.05	0.007255	4	13.23	99.05
1	5607 176		107.72	921.14	929.9	929.03	930.17	0.007300	4.20	26.6	54.00
1	5607.176		107.72	925.5	920.01	920.01	920.77	0.023491	4.00	20.0	50.64
1	5607.176		101.11	925.5	920.00	920.00	920.99	0.021891	4.40	41 30	59.04
1	5607.176		193.33	925.5	920.70	920.70	927.1	0.021102	4.00	41.39	66 18
1	5607.176	50-VEAR	250.25	925.5	920.07	920.07	927.24	0.020308	4.9 5.07	40.21 53.07	68.63
1	5607 176	100-YEAR	313 23	925.5	927.03	927.03	927.04	0.01931	5.32	59.03	71 58
1	5344 232	2-YEAR	107 72	922.46	923.43	021.00	923.5	0.004764	2.16	49.89	78.82
1	5344 232	5-YEAR	161 11	922.40	923.57		923.68	0.004704	2.10	40.00 61 12	81.91
1	5344,232	10-YEAR	193.53	922.46	923.65		923.78	0.005959	2.85	67.93	83.74
1	5344.232	25-YEAR	236.25	922.46	923.74		923.89	0.006314	3.11	76.01	85.85
1	5344.232	50-YEAR	269.03	922.46	923.81		923.98	0.006509	3.28	82.01	87.39
1	5344.232	100-YEAR	313.23	922.46	923.9		924.09	0.006643	3.48	89.94	89.4
1	5167.427	2-YEAR	107.72	920.89	921.69	921.68	921.88	0.023691	3.5	30.74	78.19
1	5167.427	5-YEAR	161.11	920.89	921.86	921.81	922.07	0.016555	3.59	44.83	83.95
1	5167.427	10-YEAR	193.53	920.89	921.95	921.87	922.16	0.015456	3.74	51.74	86.63
1	5167.427	25-YEAR	236.25	920.89	922.05	921.96	922.28	0.01403	3.9	60.64	89.93
1	5167.427	50-YEAR	269.03	920.89	922.11	922.01	922.37	0.013482	4.06	66.48	92
1	5167.427	100-YEAR	313.23	920.89	922.19	922.09	922.47	0.013172	4.28	73.64	94.48
1	5009.304	2-YEAR	107.72	919.4	920.33	920.03	920.4	0.004806	2.18	49.51	181.87
1	5009.304	5-YEAR	161.11	919.4	920.47	920.18	920.58	0.005871	2.63	61.3	201.62
1	5009.304	10-YEAR	193.53	919.4	920.56	920.26	920.68	0.006071	2.8	69	213.76
1	5009.304	25-YEAR	236.25	919.4	920.66	920.36	920.8	0.006444	3.03	77.9	226.34
1	5009.304	50-YEAR	269.03	919.4	920.73	920.42	920.89	0.006642	3.18	84.55	232.68
1	5009.304	100-YEAR	313.23	919.4	920.81	920.51	920.99	0.006827	3.41	91.99	237.79
1	4894.661	2-YEAR	107.72	918.22	919.1	919.1	919.29	0.026648	3.53	30.53	111.57
1	4894.661	5-YEAR	161.11	918.22	919.24	919.24	919.43	0.020187	3.62	49.07	129.62
1	4894.661	10-YEAR	193.53	918.22	919.29	919.29	919.51	0.020294	3.86	55.83	132.06
1	4894.661	25-YEAR	236.25	918.22	919.36	919.36	919.6	0.019402	4.07	65.29	135.4
1	4894.661	50-YEAR	269.03	918.22	919.41	919.41	919.67	0.019186	4.24	71.79	137.65
1	4894.661	100-YEAR	313.23	918.22	919.46	919.46	919.75	0.019096	4.48	79.72	145.7
1	4615.427	2-YEAR	176.37	914.57	915.47	915.12	915.54	0.003834	2.12	83.04	114.29
1	4615.427	5-YEAR	259.03	914.57	915.69	915.27	915.78	0.003715	2.38	108.88	123.46
1	4615.427	10-YEAR	311.44	914.57	915.82	915.35	915.92	0.00351	2.48	125.4	127.8
1	4615.427	25-YEAR	381.47	914.57	915.96	915.44	916.07	0.003449	2.66	143.4	131.93
1	4615.427	50-YEAR	433.36	914.57	916.07		916.18	0.003336	2.76	158.35	155.11
1	4615.427	100-YEAR	503.94	914.57	916.19		916.32	0.003266	2.91	177.4	164.43

Table C.2 Country Club Results for Future Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	4308.532	2-YEAR	176.37	910.96	913.29	913.29	913.69	0.010877	5.28	43.85	74
1	4308.532	5-YEAR	259.03	910.96	913.56	913.56	914	0.010302	5.82	65.13	82.54
1	4308.532	10-YEAR	311.44	910.96	913.07	913.07	914.17	0.010876	0.27	74.94	00.Z
1	4308.532	50-VEAR	/33.36	910.90	913.00	913.00	914.30	0.010462	6.84	100.87	91.70
1	4308.532	100-YEAR	433.30 503.94	910.90	913.90	913.90	914.51	0.010540	7.15	114.59	99.6
1	4024.775	2-YFAR	176.37	909.38	910.68	910.27	910.77	0.004294	2.51	70.24	81.84
1	4024.775	5-YEAR	259.03	909.38	910.96	910.46	911.08	0.004072	2.72	95.67	109.73
1	4024.775	10-YEAR	311.44	909.38	911.1	910.57	911.23	0.003786	2.85	112.41	123.24
1	4024.775	25-YEAR	381.47	909.38	911.28		911.41	0.003453	3	134.71	130.2
1	4024.775	50-YEAR	433.36	909.38	911.4		911.55	0.003241	3.09	151.29	135.14
1	4024.775	100-YEAR	503.94	909.38	911.58		911.73	0.002891	3.15	176.23	142.23
1	3792.729	2-YEAR	254.2	906.18	908.12	908.12	908.62	0.017804	5.68	45.07	48.24
1	3792.729	5-YEAR	379.63	906.18	908.44	908.44	909.07	0.015381	6.35	61.83	54.65
1	3792.729	10-YEAR	457.69	906.18	908.62	908.62	909.31	0.014491	6./1 7.10	/1.9	58.16
1	3792.729	20-YEAR	558.56	906.18	908.83	908.83	909.6	0.013/78	7.13	84.4	65.22
1	3792.729	100-YEAR	735 23	906.18	908.98	908.98	909.8	0.013190	7.30	94.00 104.58	69.91
1	3638.729		Culvert	500.10	000.14	000.14	010.00	0.010012	7.04	104.00	00.01
1	3524,657	2-YEAR	254.2	902.87	907.78	904 76	907.82	0.000283	1.61	198.14	116.82
1	3524.657	5-YEAR	379.63	902.87	908.01	905.25	908.08	0.000488	2.21	226.2	127.7
1	3524.657	10-YEAR	457.69	902.87	908.15	905.51	908.24	0.000608	2.52	244.52	133.81
1	3524.657	25-YEAR	558.56	902.87	908.27	905.83	908.39	0.000787	2.93	261.46	138.21
1	3524.657	50-YEAR	634.4	902.87	908.33	906.06	908.48	0.000954	3.26	269.04	141.51
1	3524.657	100-YEAR	735.23	902.87	908.47	906.34	908.64	0.001101	3.58	288.18	148.72
1	3493.204	2-YEAR	254.2	902.48	907.77	904.39	907.81	0.000256	1.57	213.22	125.5
1	3493.204	5-YEAR	379.63	902.48	908	904.93	908.06	0.000445	2.16	242.54	136.41
1	3493.204	10-YEAR	457.69	902.48	908.13	905.25	908.22	0.000558	2.47	261.71	143.09
1	3493.204	20-YEAR	558.56	902.48	908.25	905.59	908.37	0.000732	2.89	279.27	148.95
1	3493.204 3493 204	100-YEAR	735 23	902.40	908.31	905.63	908.44	0.000695	3.22 3.55	200.91	151.43
1	3463.204	100 12/41	Culvert	002.10	000.11	000.12	000.01	0.001010	0.00	000.12	100.00
1	3449.118	2-YEAR	254.2	902.04	906.42	904.83	906.61	0.001892	3.48	73.15	44.57
1	3449.118	5-YEAR	379.63	902.04	906.73	905.57	907.01	0.003173	4.29	88.45	58.51
1	3449.118	10-YEAR	457.69	902.04	906.87	905.98	907.21	0.004107	4.68	97.88	69.54
1	3449.118	25-YEAR	558.56	902.04	907.03	906.5	907.43	0.005104	5.08	109.86	81.42
1	3449.118	50-YEAR	634.4	902.04	907.12	906.8	907.57	0.005665	5.4	117.58	88.02
1	3449.118	100-YEAR	735.23	902.04	907.23	907.05	907.75	0.005949	5.8	127.22	95.18
1	3292.877	2-YEAR	254.2	902.04	906.51		906.51	0.000006	0.36	711.15	177.53
1	3292.877	5-YEAR	379.63	902.04	906.86		906.86	0.00001	0.49	//4.44	182.09
1	3292.077	25-YEAR	407.09 558.56	902.04	907.03		907.04	0.000013	0.57	840.47	190 52
1	3292.877	50-YEAR	634.4	902.04	907.33		907.34	0.000017	0.00	862.4	195.29
1	3292.877	100-YEAR	735.23	902.04	907.47		907.48	0.000025	0.83	889.3	198.09
1	2837.428	2-YEAR	190.42	902.04	906.51	902.59	906.51	0.000003	0.25	750.19	284.18
1	2837.428	5-YEAR	314.29	902.04	906.86	902.81	906.86	0.000007	0.38	821	293.92
1	2837.428	10-YEAR	394.28	902.04	907.03	902.94	907.03	0.000009	0.46	856.34	296.44
1	2837.428	25-YEAR	497.29	902.04	907.21	903.1	907.22	0.000012	0.56	894.93	299.17
1	2837.428	50-YEAR	579.56	902.04	907.32	903.21	907.33	0.000016	0.63	918.59	300.83
1	2837.428	100-YEAR	678.66	902.04	907.46	903.34	907.47	0.000019	0.72	947.35	302.83
1	2805.428		Ini Struct	000.00	000.0	000.0	000.44	0.000404	2.00	E0.00	407 5
1	2010.003	2-IEAR 5-YEAR	200.24 200.29	902.32 QA2 22	903.2 QA3 30	903.2 003 20	903.44 003 7	0.023184	3.93 1 15	50.96 7/ 15	107.5
1	2670.083	10-YEAR	413 29	902.32	903.39	903.39	903.7	0.021410	4.43 4 77	87 19	124.14
1	2670.083	25-YEAR	524.55	902.32	903.63	903.63	904.03	0.018353	5.1	104.32	136.58
1	2670.083	50-YEAR	611.45	902.32	903.71	903.71	904.16	0.017719	5.36	116.67	141.35
1	2670.083	100-YEAR	715.94	902.32	903.82	903.82	904.31	0.016897	5.63	<u>13</u> 1.68	146.95
1	2610.083		Culvert								
1	2522.469	2-YEAR	200.24	891.69	893.98	893.51	894.15	0.004736	3.35	62.7	72.57
1	2522.469	5-YEAR	329.82	891.69	894.35	893.91	894.6	0.004956	4.09	92.34	89.51
1	2522.469	10-YEAR	413.29	891.69	894.53	894.12	894.83	0.0052	4.5	107.58	97.96
1	2522.469	25-YEAR	524.55	891.69	894.74	894.36	895.1	0.00552	4.99	125.14	108.54
1	2522.469	50-YEAR	611.45	891.69	894.91	894.5	895.3	0.005558	5.28	139.05	119.96
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Table C.2 Country Club Results for Future Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	2476.745	2-YEAR	200.24	891.45	893.63		893.84	0.009544	3.74	53.58	62.47
1	2476.745	5-YEAR	329.82	891.45	894.08		894.29	0.008153	3.7	89.23	94.04
1	2476.745	10-YEAR	413.29	891.45	894.3		894.52	0.00667	3.72	111.77	106.69
1	2476.745	25-YEAR	524.55	891.45	894.55		894.78	0.005412	3.84	139.75	116.4
1	2476.745	50-YEAR	611.45	891.45	894.76		894.99	0.004589	3.87	164.06	124
1	2476.745	100-YEAR	715.94	891.45	895.03		895.25	0.003622	3.83	198.85	132.3
1	2236.323	2-YEAR	190.48	889.6	892.22		892.39	0.004036	3.26	58.43	43.58
1	2236.323	5-YEAR	322	889.6	892.87		893.07	0.003412	3.64	88.47	49.22
1	2236.323	10-YEAR	405.38	889.6	893.2		893.43	0.003249	3.85	105.21	51.73
1	2236.323	25-YEAR	513.33	889.6	893.56		893.82	0.00304	4.15	124.14	54.6
1	2236.323	50-YEAR	597.21	889.6	893.81		894.11	0.002917	4.35	138.5	56.67
1	2236.323	100-YEAR	712.67	889.6	894.15		894.48	0.002767	4.59	158.17	59.4
1	2016.047	2-YEAR	190.48	887.94	891.02	890.44	891.31	0.005869	4.33	44.03	28.01
1	2016.047	5-YEAR	322	887.94	891.59	891.05	892.02	0.0069	5.24	61.39	33.03
1	2016.047	10-YEAR	405.38	887.94	891.84	891.35	892.36	0.007402	5.82	69.77	35.11
1	2016.047	25-YEAR	513.33	887.94	892.1	891.68	892.76	0.007905	6.52	79.4	37.32
1	2016.047	50-YEAR	597.21	887.94	892.31	891.91	893.06	0.008091	6.97	87.07	38.99
1	2016.047	100-YEAR	712.67	887.94	892.53	892.19	893.43	0.008649	7.63	95.96	40.84
1	974.9855	2-YEAR	258.81	881.77	884.6	884.17	884.82	0.006499	3.73	69.36	60.25
1	974.9855	5-YEAR	424.67	881.77	885.06	884.61	885.36	0.005988	4.34	97.9	63.73
1	974.9855	10-YEAR	557.39	881.77	885.39	884.85	885.73	0.005678	4.69	118.92	66.18
1	974.9855	25-YEAR	738	881.77	885.77	885.13	886.17	0.005403	5.11	144.48	69.13
1	974.9855	50-YEAR	884.17	881.77	886.02	885.36	886.48	0.005323	5.47	162.27	71.24
1	974.9855	100-YEAR	1025.06	881.77	886.26	885.56	886.77	0.00517	5.75	179.75	73.24
1	426.5397	2-YEAR	258.81	875.2	878.58	878.58	879.42	0.016156	7.38	35.08	20.82
1	426.5397	5-YEAR	424.67	875.2	879.32	879.32	880.35	0.015057	8.13	52.24	25.42
1	426.5397	10-YEAR	557.39	875.2	879.82	879.82	880.93	0.014599	8.45	65.99	29.72
1	426.5397	25-YEAR	738	875.2	880.31	880.31	881.59	0.013924	9.08	81.56	34.14
1	426.5397	50-YEAR	884.17	875.2	880.67	880.67	882.07	0.012865	9.52	94.4	37.59
1	426.5397	100-YEAR	1025.06	875.2	880.97	880.97	882.5	0.012329	9.96	106.33	40.76
1	180.664	2-YEAR	258.81	870.69	874.54	874.42	875.38	0.01397	7.35	35.22	18.28
1	180.664		424.67	870.69	875.33	875.24	8/6.4	0.013959	8.31	51.08	22.02
1	180.664	10-YEAR	557.39	870.69	875.83	8/5./8	877.06	0.013968	8.9	62.62	24.38
1	180.664	ZO-YEAR	/38	870.69	8/6.34	8/6.33	877.82	0.013967	9.75	/5.82	26.82
1	180.664		884.17	870.69	8/6./4	8/b./4	878.38	0.013124	10.28	86.84	28.73
1	180.664	TUU-YEAR	1025.06	870.69	877.11	877.11	878.88	0.012386	10.71	97.75	30.51

Nugent Creek





Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Trib. 1	6180.255	2-YEAR	146.57	917.98	918.96	918.69	919.04	0.003615	2.16	67.78	111.28
Trib. 1	6180.255	5-YEAR	212.95	917.98	919.11	918.82	919.21	0.00374	2.53	84.75	116.85
Trib. 1	6180.255	10-YEAR	252.51	917.98	919.19	918.89	919.31	0.003751	2.71	94.3	119.95
Trib. 1	6180.255	25-YEAR	306.23	917.98	919.29	918.97	919.43	0.003802	2.94	106.28	123.73
Trib. 1	6180.255	50-YEAR	347.25	917.98	919.36	919.02	919.51	0.003865	3.1	114.72	126.33
Trib. 1	6180.255	100-YEAR	402.15	917.98	919.45	919.09	919.62	0.003879	3.29	126.2	129.77
Trib. 1	5861.04	2-YEAR	146.57	916.03	916.63	916.63	916.84	0.017431	3.7	39.59	92.9
I rib. 1	5861.04	5-YEAR	212.95	916.03	916.75	916.75	917.02	0.016141	4.17	51.12	94.86
Trib. 1	5861.04	10-YEAR	252.51	916.03	916.82	916.82	917.12	0.015858	4.42	57.17	95.86
Trib 1	5861.04	20-TEAR	300.23	910.03	910.9	910.9	917.24	0.01527	4.09	71.25	97.2
Trib 1	5861.04	100-YEAR	402 15	910.03	917.04	917.04	917.33	0.014733	4.07	78.56	90.23
Trib. 1	5685 7		146.57	012.23	016.42	013 77	016.43	0.00085	0.19	215.01	194.15
Trib 1	5685 7	5-VEAR	212.95	012.23	916.42	913.77	910.43	0.0000000	1.23	213.91	186.88
Trib 1	5685 7	10-YEAR	252 51	912.23	916.61	914.07	916.63	0.000140	1.20	200.04	188 49
Trib 1	5685 7	25-YEAR	306.23	912.23	916.67	914 42	916 71	0.00025	1 64	257 77	189.92
Trib. 1	5685.7	50-YEAR	347.25	912.23	916.76	914.55	916.79	0.000273	1.75	292.16	191.83
Trib. 1	5685.7	100-YEAR	402.15	912.23	916.84	914.71	916.88	0.000326	1.94	307.49	193.64
Trib. 1	5629.2		Culvert			-			-		
Trib. 1	5533.744	2-YEAR	104.5	911.6	913.03	912.72	913.25	0.005745	3.79	27.58	26.94
Trib. 1	5533.744	5-YEAR	147.01	911.6	913.52	912.96	913.71	0.003486	3.5	41.99	31.68
Trib. 1	5533.744	10-YEAR	220.41	911.6	914.26	913.3	914.42	0.002208	3.2	68.89	42.23
Trib. 1	5533.744	25-YEAR	315.71	911.6	915	913.67	915.14	0.001692	2.96	106.64	60.29
Trib. 1	5533.744	50-YEAR	381.75	911.6	915.31	913.88	915.45	0.001549	3.02	126.67	67.68
Trib. 1	5533.744	100-YEAR	469.09	911.6	915.75	914.18	915.89	0.001161	2.99	171.42	151.99
Trib. 1	5501.688	2-YEAR	104.5	911.42	912.9	912.55	913.06	0.004207	3.25	32.19	31.43
Trib. 1	5501.688	5-YEAR	147.01	911.42	913.46	912.74	913.59	0.002095	2.89	50.9	34.95
Trib. 1	5501.688	10-YEAR	220.41	911.42	914.23	913.03	914.35	0.001248	2.78	79.39	38.99
Trib. 1	5501.688	25-YEAR	315.71	911.42	914.96	913.36	915.09	0.001001	2.89	109.23	42.59
Trib. 1	5501.688	50-YEAR	381.75	911.42	915.26	913.56	915.41	0.001061	3.13	122.04	44.07
Trib. 1	5501.688	100-YEAR	469.09	911.42	915.67	913.8	915.84	0.001059	3.34	140.82	54.26
Trib. 1	5447.688		Culvert								
Trib. 1	5374.909	2-YEAR	104.5	911.08	912.9	912.08	912.95	0.001149	1.85	56.55	48.77
Trib. 1	5374.909	5-YEAR	147.01	911.08	913.44	912.27	913.48	0.000736	1.73	85.14	58.17
Trib. 1	5374.909	10-YEAR	220.41	911.08	914.16	912.53	914.21	0.000499	1.67	132.11	70.96
Trib. 1	5374.909	25-YEAR	315.71	911.08	914.71	912.82	914.76	0.000508	1.81	174.61	84.31
I rib. 1	5374.909	50-YEAR	381.75	911.08	914.85	912.99	914.92	0.000627	2.04	186.81	87.94
Trib. 1	5374.909	100-YEAR	469.09	911.08	915	913.2	915.08	0.000801	2.35	199.66	91.61
Trib. 1	5302.702	Z-YEAR	104.5	910.49	912.77	911.87	912.85	0.001495	2.28	45.86	34.97
Trib 1	5302.702		220.41	910.49	913.34	912.13	913.41	0.001009	2.17	122 70	49.00
Trib 1	5302.702	25-VEAR	315 71	910.49	914.1	912.47	914.10	0.000024	2.00	123.79	133.55
Trib 1	5302.702	50-YEAR	381 75	910.49	914.00	913.03	914.72	0.000545	2.10	206.66	135 56
Trib. 1	5302.702	100-YEAR	469.09	910.49	914.91	913.29	915.01	0.000828	2.79	223.98	137.5
Trib. 1	5243,702		Culvert	5.0.10	21.101	2.0.20	2.0.01		0		
Trib. 1	5062.864	2-YEAR	104.5	908.84	911.26	909.81	911.31	0.000597	1.8	57.93	30.82
Trib. 1	5062.864	5-YEAR	147.01	908.84	911.82	910.04	911.87	0.00067	1.87	78.5	43.44
Trib. 1	5062.864	10-YEAR	220.41	908.84	912.76	910.39	912.8	0.000352	1.6	172.71	173.1
Trib. 1	5062.864	25-YEAR	315.71	908.84	914.26	910.78	914.27	0.000076	1.04	436.69	231.86
Trib. 1	5062.864	50-YEAR	381.75	908.84	914.5	911.01	914.51	0.000086	1.15	499.51	242.82
Trib. 1	5062.864	100-YEAR	469.09	908.84	914.69	911.35	914.71	0.000106	1.32	541.19	251.72
Trib. 1	4951.364		Culvert								
Trib. 1	4770.093	2-YEAR	104.5	907.64	909.16	909.09	909.39	0.0088	4.02	30.04	52.75
Trib. 1	4770.093	5-YEAR	147.01	907.64	909.33	909.26	909.61	0.008724	4.41	39.82	58.6
Trib. 1	4770.093	10-YEAR	220.41	907.64	909.58	909.49	909.91	0.008538	4.93	55.34	70.55
Trib. 1	4770.093	25-YEAR	315.71	907.64	909.83	909.73	910.22	0.008065	5.48	74.52	81.08
Trib. 1	4770.093	50-YEAR	381.75	907.64	909.99	909.89	910.41	0.007737	5.77	87.68	86.99
Trib. 1	4770.093	100-YEAR	469.09	907.64	910.26	910.05	910.66	0.006076	5.71	113.01	97.45
Trib. 1	4471.528	2-YEAR	104.5	906.69	908.16		908.2	0.002105	2.16	72.29	107.01
Trib. 1	4471.528	5-YEAR	147.01	906.69	908.36		908.41	0.002099	2.45	94.35	119.85
Trib. 1	4471.528	10-YEAR	220.41	906.69	908.63		908.7	0.002083	2.83	130.46	140.3
Trib 1	4471.528		315.71	906.69	908.89		908.97	0.00221	3.25	168.76	159.14
Trib 1	44/1.528		381.75	906.69	909.02		909.11	0.002375	3.55	190.2	168.77
110.1	4471.528	100-TEAR	469.09	906.69	908.96		909.12	0.004107	4.56	180.44	104.46

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(CTS)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(It/S)	(sq ft)	(ft)
Trib. 1	4165.382	2-YEAR	104.5	904.11	906.74	906.74	906.98	0.008936	4.53	34.97	70.73
Trib. 1	4165.382	5-YEAR	147.01	904.11	906.88	906.88	907.16	0.009569	5.01	46.06	79.55
Trib. 1	4165.382	10-YEAR	220.41	904.11	907.08	907.08	907.41	0.010392	5.63	62.91	91.34
Trib 1	4165.382	25-YEAR	315.71	904.11	907.31	907.31	907.65	0.009928	5.95	89.68	155.41
Trib 1	4105.302	100-VEAR	301.75	904.11	907.40	907.40	907.77	0.000992	5.9Z 3 Q	238.8	200.23
Trib. 1	2065 882	100-1 LAK	409.09	904.11	907.90	907.30	900.09	0.002078	3.9	230.0	204.20
Trib. 1	3903.002	2-VEAR	104 5	002.28	904 74	003 72	00/ 85	0.00155	2.62	30.88	2/ 83
Trib 1	3874 173	5-YEAR	147 01	902.20	905.33	903.72	905.44	0.00133	2.02	55 84	24.00
Trib 1	3874 173	10-YFAR	220.41	902.20	905.78	904 42	905.92	0.001241	3.02	89 19	182.68
Trib. 1	3874.173	25-YEAR	315.71	902.28	906.15	904.86	906.31	0.001432	3.35	126.4	260.57
Trib. 1	3874.173	50-YEAR	381.75	902.28	906.37	905.13	906.53	0.001429	3.52	152.03	296.72
Trib. 1	3874.173	100-YEAR	469.09	902.28	906.63	905.77	906.8	0.001386	3.69	183.09	309.18
Trib. 1	3458.173	2-YEAR	212.59	899.76	902.44	902.3	902.92	0.00978	5.58	38.08	45.86
Trib. 1	3458.173	5-YEAR	343.19	899.76	902.91	902.83	903.52	0.010445	6.3	54.43	106.06
Trib. 1	3458.173	10-YEAR	456.57	899.76	903.17	903.17	903.93	0.011622	7.02	65.05	228.11
Trib. 1	3458.173	25-YEAR	597.18	899.76	903.52	903.52	904.36	0.011135	7.36	81.18	259.97
Trib. 1	3458.173	50-YEAR	697.08	899.76	903.74	903.74	904.63	0.010921	7.58	92.01	274.1
Trib. 1	3458.173	100-YEAR	831.43	899.76	903.99	903.99	904.96	0.01069	7.89	105.45	306.87
Trib. 1	3254.669	2-YEAR	212.59	898.34	901.54	900.93	901.72	0.003465	3.49	60.95	65.95
Trib. 1	3254.669	5-YEAR	343.19	898.34	902.05	901.38	902.29	0.003404	3.96	86.86	240.21
Trib. 1	3254.669	10-YEAR	456.57	898.34	902.24	901.69	902.46	0.003066	4.04	176.34	317.7
Trib 1	3254.009	20-TEAR	597.18	090.34 909.34	902.35	901.99	902.02	0.003744	4.04	211.5	323.00
Trib 1	3254.669	100-YEAR	831.43	898.34	902.43	902.37	902.73	0.003739	4.01	240.99	327.94
Trib 1	2787 505	2-YEAR	212 59	896 15	898.38	898.36	898.92	0.0000000	5.89	36.07	32 33
Trib 1	2787 505	5-YEAR	343 19	896 15	898 81	898.81	899.51	0.01232	6 71	51 11	37 49
Trib. 1	2787.505	10-YEAR	456.57	896.15	899.14	899.14	899.93	0.011849	7.16	63.77	41.24
Trib. 1	2787.505	25-YEAR	597.18	896.15	899.68	899.68	900.32	0.00718	6.54	108.81	116.53
Trib. 1	2787.505	50-YEAR	697.08	896.15	899.87	899.87	900.51	0.006739	6.7	131.26	126.88
Trib. 1	2787.505	100-YEAR	831.43	896.15	900.07	900.07	900.74	0.006488	6.98	158.27	141.53
Trib. 1	2264.821	2-YEAR	212.59	894.21	896.8		896.9	0.001696	2.53	84.15	60.78
Trib. 1	2264.821	5-YEAR	343.19	894.21	897.4		897.52	0.001564	2.76	124.35	74.02
Trib. 1	2264.821	10-YEAR	456.57	894.21	897.82		897.95	0.00149	2.91	156.9	83.15
Trib. 1	2264.821	25-YEAR	597.18	894.21	898.23		898.37	0.001373	3.1	196.16	115.15
Trib. 1	2264.821	50-YEAR	697.08	894.21	898.49		898.65	0.001259	3.2	232.48	159
Trib 1	2264.821	100-YEAR	831.43	894.21	898.81		898.97	0.001138	3.3	297.95	267.4
Trib 1	1906.714	Z-TEAR	212.59	092.71	895.73		090.99	0.004013	4.09	52.01	34.34
Trib 1	1906.714		456 57	802.71	896.53		807	0.004342	4.03	82 75	40.10
Trib 1	1906 714	25-YEAR	597 18	892 71	896 72		897 38	0.007057	6.55	91 24	47.03
Trib. 1	1906.714	50-YEAR	697.08	892.71	896.76	896.62	897.63	0.009053	7.48	93.29	48.92
Trib. 1	1906.714	100-YEAR	831.43	892.71	896.95	896.95	897.98	0.00995	8.15	103.27	57.27
Trib. 1	1521.886	2-YEAR	212.59	892.15	894.78	894	894.89	0.00199	2.7	78.67	57.86
Trib. 1	1521.886	5-YEAR	343.19	892.15	895.36	894.38	895.49	0.001823	2.94	118.66	90.82
Trib. 1	1521.886	10-YEAR	456.57	892.15	895.72	894.65	895.87	0.001608	3.16	156.44	165.22
Trib. 1	1521.886	25-YEAR	597.18	892.15	896.14	894.95	896.28	0.001249	3.15	268.68	345.92
Trib. 1	1521.886	50-YEAR	697.08	892.15	896.34	895.13	896.47	0.001124	3.15	345.36	387.92
irib. 1	1521.886	100-YEAR	831.43	892.15	896.57	895.36	896.69	0.000985	3.13	438.54	394.38
Trib. 1	1205.084	2-YEAR	212.59	891.18	893.86	893.22	894.08	0.003366	3.78	56.26	36.88
i fiD. 1 Trib. 1	1205.084		343.19	891.18	894.23	893.7	894.6	0.00463	4.85	/0./9	40.51
Trib 1	1205.084		456.57	891.18	894.59	894.02	805.03	0.0048	5.32	85.9	43.97
Trib 1	1205.084	50-YEAR	607 NR	801 18	805 36	094.4 804 62	090.02 805 83	0.003/0/	0.23 5.56	137 7/	00.29 102.62
Trib. 1	1205.084	100-YFAR	831 43	891.18	895.50	894.02	896 1	0.004281	5.98	159.55	102.02
Trib. 1	1205		Lat Struct	301.10	500.01	301.01	000.1	0.001201	0.00	.00.00	.00.01
Trib. 1	779,4147	2-YEAR	212 59	890	892 67	891 89	892 84	0.002496	3 31	64 26	66 85
Trib. 1	779.4147	5-YEAR	343.19	890	893.71	892.34	893.79	0.000873	2.54	179.61	130.35
Trib. 1	779.4147	10-YEAR	456.57	890	894.28	892.67	894.36	0.000606	2.46	259.14	145.47
Trib. 1	779.4147	25-YEAR	597.14	890	895.08	893.01	895.14	0.000376	2.27	384.37	174.23
Trib. 1	779.4147	50-YEAR	694.74	890	895.23	893.35	895.3	0.00043	2.5	410.56	177.25
Trib. 1	779.4147	100-YEAR	810.88	890	895.42	893.49	895.51	0.000474	2.71	446.02	181.75

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Trib. 1	581.3154	2-YEAR	270.38	888.11	892.54		892.61	0.000617	2.16	151.66	135.89
Trib. 1	581.3154	5-YEAR	393.44	888.11	893.66		893.7	0.000244	1.74	320.46	171.85
Trib. 1	581.3154	10-YEAR	481.33	888.11	894.25		894.28	0.000183	1.67	431.84	197.04
Irib. 1 Trib. 1	581.3154	25-YEAR	523.36	888.11	895.07		895.09	0.000093	1.35	603.37	223.09
Trib 1	581 3154	100-VEAR	575.5Z 630.00	888 11	895.22 895.42		895.24 805.45	0.000098	1.41	037.00 683.51	220.11
Trib. 1	475 7265		270.38	997.59	802.47		802.54	0.000101	1.40	150.94	142.86
Trib 1	475.7205	5-VEAR	270.30	887 58	893.64		803.67	0.00002	1.60	346.82	142.00
Trib. 1	475.7265	10-YEAR	481.33	887.58	894.24		894.27	0.000227	1.58	466.51	206.35
Trib. 1	475.7265	25-YEAR	501.95	887.58	895.06		895.08	0.000075	1.22	647.24	230.45
Trib. 1	475.7265	50-YEAR	527.35	887.58	895.22		895.23	0.000072	1.22	682.79	233.16
Trib. 1	475.7265	100-YEAR	549.87	887.58	895.42		895.44	0.000066	1.2	730.58	236.76
Trib. 1	359.2033	2-YEAR	410.59	887.02	892.46	888.7	892.5	0.000148	1.85	245.98	362.18
Trib. 1	359.2033	5-YEAR	582.02	887.02	893.58	889.07	893.64	0.000156	2.15	299.74	385.65
Trib. 1	359.2033	10-YEAR	705.77	887.02	894.15	889.3	894.23	0.000171	2.38	327.31	399.98
Trib. 1	359.2033	25-YEAR	822.06	887.02	894.96	889.52	895.04	0.000161	2.48	366.12	442.11
Irib. 1 Trib. 1	359.2033	50-YEAR	840.57	887.02	895.11	889.55	895.2	0.000157	2.49	373.46	442.11
Trib. 1	309.2033	100-YEAR	000. I	007.UZ	695.31	009.09	693.4	0.000154	2.5	303.14	442.11
Trib. 1	320.703			006 74	901.64	800.06	001.00	0.001052	2.56	120.25	200.15
Trib 1	278.0490	2-TEAR 5-YEΔR	582.02	886 74	891.04	890.00	892.54	0.001052	5.50 4 11	129.33	209.15
Trib 1	278.0496	10-YEAR	705 77	886 74	892	890.84	892.42	0.001101	5 44	146.07	216 73
Trib. 1	278.0496	25-YEAR	822.06	886.74	892.15	891.07	892.67	0.002527	6.07	152.83	219.81
Trib. 1	278.0496	50-YEAR	840.57	886.74	892.17	891.12	892.71	0.002579	6.16	154.04	220.36
Trib. 1	278.0496	100-YEAR	868.1	886.74	892.21	891.15	892.77	0.002649	6.28	155.91	221.21
Trib. 1	234.3802	2-YEAR	410.59	886.76	891.01	890.55	891.6	0.006046	6.19	66.3	59.35
Trib. 1	234.3802	5-YEAR	582.02	886.76	891.57	891.12	892.3	0.006215	6.82	85.31	248.59
Trib. 1	234.3802	10-YEAR	705.77	886.76	891.97	891.47	892.24	0.00272	4.86	252.32	380.97
Trib. 1	234.3802	25-YEAR	822.06	886.76	892.24	891.87	892.39	0.001781	4.13	404.74	416.82
Trib. 1	234.3802	50-YEAR	840.57	886.76	892.28	891.88	892.43	0.001697	4.07	421.07	417.66
Trib. 1	234.3802	100-YEAR	868.1	886.76	892.34	891.91	892.48	0.001577	3.97	445.96	418.93
Trib. 1	25.61934	2-YEAR	410.59	885.25	889.8	889.28	890.34	0.005906	5.87	69.96 02.96	298
Trib 1	25.01934		562.02 705.77	000.20 885.25	890.39 800.73	009.07 800.21	801 30	0.005904	0.27	92.00 108.15	420.04 542.27
Trib 1	25.61934	25-YEAR	822.06	885.25	891.02	890.5	891.72	0.005912	6 74	121 93	704 28
Trib. 1	25.61934	50-YEAR	840.57	885.25	891.06	890.54	891.77	0.005911	6.77	124.09	763.11
Trib. 1	25.61934	100-YEAR	868.1	885.25	891.12	890.6	891.84	0.005914	6.82	127.24	819.92
Main	22385.36	2-YEAR	396.42	911.24	914.63	914.63	915.24	0.010712	6.47	68.46	205.51
Main	22385.36	5-YEAR	616.07	911.24	915.22	915.22	915.74	0.007289	6.26	134.13	339.41
Main	22385.36	10-YEAR	696.34	911.24	915.34	915.34	915.87	0.00712	6.44	152.75	354.34
Main	22385.36	25-YEAR	824.14	911.24	915.48	915.48	916.05	0.007151	6.78	178.44	374.96
Main	22385.36	50-YEAR	947.13	911.24	915.58	915.58	915.7	0.002268	3.94	439.79	388.58
Main	22385.36	100-YEAR	1113.61	911.24	915.58	915.58	915.75	0.003136	4.63	439.79	388.58
Main	21872.73	2-YEAR	396.42	909.93	913.55		913.62	0.001261	2.54	255.49	284.78
Main	21012.13		606.34	909.93	913.00		913.97	0.00135	2.90	300.97	329.73
Main	21872.73	25-YFAR	824 14	000 03 909.93	914.1		914.10 914.5	0.000804	∠.0 2.66	561 93	422.08
Main	21872.73	50-YEAR	947.13	909.93	914.63		914.69	0.000742	2.68	648.74	449.07
Main	21872.73	100-YEAR	1113.61	909.93	914.87		914.93	0.000681	2.71	758.48	472.21
Main	21557.51	2-YEAR	578.1	909.89	913.25	912.65	913.29	0.000925	2.56	484.51	488.97
Main	21557.51	5-YEAR	897.39	909.89	913.53	912.83	913.59	0.001135	3.06	618.12	566.24
Main	21557.51	10-YEAR	1004.12	909.89	913.88	912.84	913.92	0.000679	2.58	797.18	657.3
Main	21557.51	25-YEAR	1293.23	909.89	914.26	913.03	914.29	0.000564	2.55	1106.75	735.33
Main	21557.51	50-YEAR	1537.44	909.89	914.46	913.13	914.5	0.00056	2.65	1255.4	765.78
Main	21557.51	100-YEAR	1880.07	909.89	914.7	913.25	914.74	0.000574	2.8	1436.05	803.33
Main	20896.61	2-YEAR	5/8.1	907.73	911.93	911.43	912.18	0.003853	4.33	195.38	376.41
Main	20090.01	0-1 EAK 10-VEAD	897.39 1004 10	907.73 007 72	913.07	912.12	913.11	0.000498	2.2	802.16 1214 72	057.01 קעק
Main	20896 61	25-YEAR	1293.23	907.73	914.07	912.19	913.00 914 NR	0.000214	1.04	1512 63	703 11
Main	20896.61	50-YEAR	1537.44	907.73	914.25	912.44	914.28	0.000217	1.83	1659.34	836.51
Main	20896.61	100-YEAR	1880.07	907.73	914.47	912.7	914.5	0.000248	2.03	1870.78	874.61
Main	20345.11	2-YEAR	578.1	907.1	911.65	910.5	911.67	0.00034	1.64	722.83	603.45
Main	20345.11	5-YEAR	897.39	907.1	913	910.73	913.01	0.000081	1.04	1784.65	989.45
Main	20345.11	10-YEAR	1004.12	907.1	913.63	910.72	913.64	0.000043	0.84	2380.69	1077.02
Main	20345.11	25-YEAR	1293.23	907.1	914.03	911.12	914.04	0.000045	0.92	2791.43	1235.24
Main	20345.11	50-YEAR	1537.44	907.1	914.21	911.22	914.22	0.000057	1.06	3150.12	1281.76
Main	20345.11	100-YEAR	1880.07	907.1	914.42	911.32	914.43	0.000067	1.18	3422.84	1307.06

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	20253.01	2-YEAR	809.47	907.04	911.49	909.32	911.6	0.000587	2.81	358.43	658.93
Main	20253.01	5-YEAR	1252.35	907.04	912.86	910.07	912.97	0.000387	2.83	564.49	1054.41
Main	20253.01	10-YEAR	1423.47	907.04	913.62	910.38	913.63	0.000051	1.13	2923.32	1295.86
Main	20253.01	25-YEAR	1788.6	907.04	914.02	910.82	914.03	0.000052	1.19	3451.53	1345.12
Main	20253.01	50-YEAR	2087.4	907.04	914.2	911.06	914.21	0.000058	1.29	3093.4	1301.77
Main	20255.01	100-TEAK	Z490.0	907.04	914.41	911.37	914.4Z	0.000087	1.41	3979.04	1375.03
Main	20179.01			006.63	010.2	000.02	010.61	0.002105	1 5 1	100.65	466.02
Main	20112.34	5-YEAR	1252 35	906.62	910.3	909.03	910.01	0.003103	5.68	246 37	400.92 552.95
Main	20112.54	10-YFAR	1423 47	906.62	910 77	910.39	911.35	0.000020	6.26	255 54	573 54
Main	20112.54	25-YEAR	1788.6	906.62	910.71	910.71	911.68	0.007896	8.08	247.61	558.1
Main	20112.54	50-YEAR	2087.4	906.62	910.95	910.95	911.99	0.007649	8.45	281.01	612.22
Main	20112.54	100-YEAR	2495.8	906.62	911.23	911.23	912.39	0.007605	8.98	319.97	678.09
Main	20048.73	2-YEAR	809.47	906	910.27	909.94	910.34	0.001861	3.71	563.7	671.49
Main	20048.73	5-YEAR	1252.35	906	910.81	910.09	910.85	0.001007	3.11	938.48	750.7
Main	20048.73	10-YEAR	1423.47	906	910.91	910.19	910.96	0.001026	3.22	1016.88	771.38
Main	20048.73	25-YEAR	1788.6	906	910.68	910.28	910.79	0.002784	5.03	846.93	726.63
Main	20048.73	50-YEAR	2087.4	906	910.83	910.35	910.94	0.002658	5.08	955.01	755.08
Main	20048.73	100-YEAR	2495.8	906	911.02	910.45	911.13	0.002542	5.17	1093.79	791.37
Main	19755.87	2-YEAR	809.47	905.68	910.14	909.67	910.15	0.000292	1.34	1103.44	794.17
Main	19755.87		1252.35	905.68	909.83	909.83	910.14	0.012649	8.20	351.69	763.24
Main	19755.87	25 VEAD	1423.47	905.00	909.00	909.88	910.22	0.013501	0.03	3/4./ 1171.9	700.90 901.22
Main	19755.87	50-YEAR	2087.4	905.68	910.23	910.00	910.27	0.001188	2.70	1298 79	814 15
Main	19755.87	100-YEAR	2495.8	905.68	910.57	910.06	910.62	0.001206	3.05	1455.38	830.08
Main	18948.9	2-YEAR	867.76	903.35	907.67	907.41	907.79	0.004272	5.14	396.2	583.51
Main	18948.9	5-YEAR	1318.69	903.35	907.85	907.59	908.02	0.005751	6.26	476.23	610.69
Main	18948.9	10-YEAR	1569.75	903.35	907.87	907.69	908.1	0.007801	7.32	483.11	612.48
Main	18948.9	25-YEAR	1943.95	903.35	907.98	907.82	908.26	0.008877	8.03	532.73	625.55
Main	18948.9	50-YEAR	2252.01	903.35	908.07	907.9	908.38	0.009528	8.49	573.09	635.67
Main	18948.9	100-YEAR	2676.44	903.35	908.21	908.01	908.56	0.009731	8.87	639.62	656.76
Main	17703.24	2-YEAR	867.76	900.16	905.61	905.26	905.71	0.001219	3.72	584.71	673.49
Main	17703.24	5-YEAR	1318.69	900.16	906.15	905.47	906.22	0.000869	3.47	988.65	1154.41
Main	17703.24	10-YEAR	1569.75	900.16	906.41	905.57	906.46	0.000687	3.22	1391.16	1227.97
Main	17703.24	20-1 EAR	1943.95	900.16	900.00	905.72	900.7	0.000613	3.10	1053.96	1210.09
Main	17703.24	100-YEAR	2676.44	900.10	900.03	906.02	900.09	0.000500	3.15	2257 14	1354.2
Main	17054 09	2-YFAR	941.66	899.18	904.67	904 42	904 77	0.00173	3.26	451 73	395 27
Main	17054.09	5-YEAR	1567.56	899.18	905.38	904.42	905.48	0.001458	3.65	867.05	740.76
Main	17054.09	10-YEAR	1942.53	899.18	904.43	904.43	905.06	0.012347	8	372.45	323.97
Main	17054.09	25-YEAR	2500.77	899.18	904.68	904.68	905.38	0.011934	8.58	455.52	398.91
Main	17054.09	50-YEAR	2935.26	899.18	904.85	904.85	905.62	0.012084	9.11	515.94	461.55
Main	17054.09	100-YEAR	3541.39	899.18	905.14	905.14	905.92	0.01073	9.31	630.47	686.75
Main	16033.01	2-YEAR	890.18	897.11	902.87	901.66	903.04	0.002012	3.56	306.22	1047.25
Main	16033.01	5-YEAR	1552.25	897.11	903.47	902.29	903.74	0.002478	4.66	422.52	1109.81
Main	16033.01	10-YEAR	2002.35	897.11	903.5	903.5	903.51	0.000182	1.27	2482.19	1116.15
Main	16033.01	25-YEAR	2661.01	897.11	903.5	903.5	903.52	0.000321	1.69	2482.05	1116.14
Main	16033.01	100-VEAR	3102.19	807.11	903.5	903.5	903.53	0.000459	2.02	2401.99	1116.14
Main	15391 28	2-YFAR	800.18	804.06	Q01 24	Q01 24	901 53	0.002711	5.43	2401.39	757 22
Main	15391.28	5-YEAR	1552.25	894.96	901.54	901.54	901.88	0.002711	6.51	609.77	905.58
Main	15391.28	10-YEAR	2002.35	894.96	901.78	901.68	902.08	0.003238	6.57	777.2	966.48
Main	15391.28	25-YEAR	2661.01	894.96	902.11	901.91	902.27	0.002015	5.48	1303.8	1040.05
Main	15391.28	50-YEAR	3182.19	894.96	902.32	901.91	902.46	0.001867	5.45	1521.4	1057.18
Main	15391.28	100-YEAR	3805.35	894.96	902.55	902	902.68	0.001737	5.44	1765.49	1072.21
Main	14908.33	2-YEAR	890.18	893.97	900.95	899.61	900.97	0.000226	1.55	1125.89	775.83
Main	14908.33	5-YEAR	1552.25	893.97	901.3	899.92	901.33	0.000388	2.18	1408.15	839.21
Main	14908.33	10-YEAR	2002.35	893.97	901.43	900.09	901.48	0.000534	2.62	1521.92	879.5
iviain Moin	14908.33	25-YEAR	2661.01	893.97	901.65	900.28	901.71	0.000678	3.08	1/14.8	925.97
Main	14908.33		3182.19	803.97	901.82	900.41	901.89	0.000774	3.38	1009.78	982.7
Main	14522	2-YEAP	2003.35 800.10	802 17	002.01	200.30 200.30	000.02	0.0000000	0.07	2029.90	1200 12
Main	14522	5-YEAR	1552 25	893.47	900.92	800.90	900.93	0.000031	1 38	2612 58	1263.12
Main	14522	10-YEAR	2002.35	893.47	901.36	899.27	901.37	0.000144	1.68	2744.45	1283.91
Main	14522	25-YEAR	2661.01	893.47	901.56	899.51	901.57	0.000198	2.02	2976	1377.09
Main	14522	50-YEAR	3182.19	893.47	901.71	899.61	901.72	0.000228	2.21	3383.54	1410.56
Main	14522	100-YEAR	3805.35	893.47	901.89	899.74	901.91	0.00026	2.41	3645.64	1426.82

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	14191.31	2-YEAR	1022.73	892.69	900.91	897.17	900.92	0.000028	0.74	2457.81	1024.01
Main	14191.31	5-YEAR	1663.47	892.69	901.22	897.99	901.23	0.000056	1.08	2744.18	1086.53
Main	14191.31	10-YEAR	2016.3	892.69	901.33	898.35	901.34	0.000075	1.27	2841.05	1104.11
Main	14191.31	25-YEAR	2630.14	892.69	901.51	898.55	901.52	0.000109	1.56	3011.73	1129.8
Main	14191.31		3091.55	892.69	901.64	898.68	901.67	0.000133	1.76	3144.74	1149.56
Main	14191.31		1022 73	802.09	901.01	807.85	901.04	0.000107	2.01	2674.17	028.00
Main	14120.59	Z-TEAR 5.VEAR	1663.47	892.09	900.91	808.47	900.91	0.000027	0.70	2074.17	930.99
Main	14120.59	10-YEAR	2016.3	892.09	901.22	898.75	901.23	0.000030	1.13	3081.85	1012.09
Main	14120.59	25-YEAR	2630.14	892.69	901.5	899.2	901.52	0.000109	1.63	3264.18	1038.68
Main	14120.59	50-YEAR	3091.55	892.69	901.64	899.53	901.65	0.000133	1.83	3406.55	1049.83
Main	14120.59	100-YEAR	3710.45	892.69	901.81	899.91	901.83	0.000165	2.07	3584.77	1064.51
Main	14057.59		Culvert								
Main	13981.58	2-YEAR	1022.73	892.69	898.49	897.42	898.95	0.002788	5.65	228.3	695.71
Main	13981.58	5-YEAR	1663.47	892.69	898.69	898.69	899.67	0.005691	8.4	256.46	716.55
Main	13981.58	10-YEAR	2016.3	892.69	899	899	900.07	0.005779	8.95	299.24	758.37
Main	13981.58	25-YEAR	2630.14	892.69	899.45	899.45	900.68	0.006006	9.82	362.34	782.49
Main	13981.58	50-YEAR	3091.55	892.69	899.75	899.75	901.1	0.006126	10.39	405.26	789.64
Main	13981.58	100-YEAR	3710.45	892.69	900	900	900.09	0.00078	3.84	1952.01	803.3
Main	13923.13	2-YEAR	1022.73	892.71	897.09	897.09	898.41	0.009472	9.24	111.86	479.94
Main	13923.13	5-YEAR	1663.47	892.71	897.7	897.7	897.93	0.00255	5.47	669.63	613.25
Main	13923.13	10-YEAR	2016.3	892.71	897.7	897.7	898.04	0.003747	6.63	669.63	613.25
Main	13923.13	20-1 EAR 50-VEAR	2030.14	892.71	097.70 807.0	097.70 807 0	090.27 808.44	0.005414	0.1	712.00	651 54
Main	13923.13	100-YEAR	3710 45	892.71	898.06	898.06	898.61	0.005968	8.97	922.05	689.05
Main	13313 13	2-YFAR	1022 73	891.89	895.64	895 19	895.69	0.001088	3.01	836.08	1447 72
Main	13313.13	5-YEAR	1663.47	891.89	896.03	895.41	896.08	0.001048	3.24	1191.24	1580.77
Main	13313.13	10-YEAR	2016.3	891.89	896.22	895.49	896.28	0.001062	3.41	1392.98	1761.15
Main	13313.13	25-YEAR	2630.14	891.89	896.44	895.64	896.47	0.000663	2.81	2384.71	1812.39
Main	13313.13	50-YEAR	3091.55	891.89	896.64	895.73	896.67	0.000587	2.75	2763.9	1841.05
Main	13313.13	100-YEAR	3710.45	891.89	896.93	895.83	896.95	0.000497	2.67	3290.83	1880.15
Main	12489.32	2-YEAR	1022.73	890.94	894.85	894.22	894.88	0.000965	2.22	879.92	831.07
Main	12489.32	5-YEAR	1663.47	890.94	895.28	894.39	895.31	0.000875	2.4	1244.78	860.04
Main	12489.32	10-YEAR	2016.3	890.94	895.48	894.48	895.52	0.000845	2.51	1423.57	872.25
Main	12489.32	25-YEAR	2630.14	890.94	895.85	894.61	895.89	0.00077	2.64	1743.83	899.61
Main	12489.32	50-YEAR	3091.55	890.94	896.1	894.69	896.14	0.000731	2.73	1973.91	922.15
Main	12409.32	2 VEAD	37 10.45	090.94	090.43	094.01	090.40	0.000078	2.02	2207.03	954.95
Main	11810.37	5-VEAR	1663.47	880.80	894.66	803.40	80/ 7	0.001120	2.40	1120 73	705.62
Main	11810.37	10-YFAR	2016.3	889.89	894.88	893 79	894 93	0.000871	2.00	1286.87	700.02
Main	11810.37	25-YEAR	2630.14	889.89	895.3	893.93	895.35	0.000772	2.84	1594.98	750.58
Main	11810.37	50-YEAR	3091.55	889.89	895.58	894.01	895.63	0.000728	2.93	1808.89	768.56
Main	11810.37	100-YEAR	3710.45	889.89	895.95	894.13	896.01	0.000666	3.01	2101.02	791.45
Main	11048.34	2-YEAR	1022.73	888.54	893.51	892.56	893.55	0.000547	2.52	847.84	548.68
Main	11048.34	5-YEAR	1663.47	888.54	894.1	892.88	894.15	0.000554	2.83	1185.62	587.39
Main	11048.34	10-YEAR	2016.3	888.54	894.27	893	894.33	0.000658	3.17	1282.75	605.09
Main	11048.34	25-YEAR	2630.14	888.54	894.72	893.18	894.79	0.000648	3.38	1568.87	652.43
Main	11048.34	50-YEAR	3091.55	888.54	895.03	893.3	895.1	0.00063	3.48	1771.05	671.88
Main	11048.34	100-YEAR	3710.45	888.54	895.44	893.44	895.51	0.000589	3.56	2056.14	697.53
Main	10491.67		1045.06	889.33	893.23	892.18	893.27	0.000521	1.9	838.85	572.7
Main	10491.07	3-1 EAR	1009.10	009.33	093.04 903.09	092.40 802.52	093.00	0.000467	2.12	1203.45	625.04
Main	10491.67	25-YEAR	2532 55	889 33	894.43	892.32	894.49	0.000477	2.21	1578.66	650 38
Main	10491.67	50-YEAR	2968.36	889.33	894.75	892.85	894.81	0.000469	2.56	1786.92	662.27
Main	10491.67	100-YEAR	3621.22	889.33	895.18	893.01	895.24	0.000464	2.74	2072.76	699.79
Main	9994.849	2-YEAR	1045.06	888.96	892.61	892.15	892.72	0.00324	3.53	424.55	354.18
Main	9994.849	5-YEAR	1659.16	888.96	893.34	892.42	893.44	0.00216	3.23	723.01	493.45
Main	9994.849	10-YEAR	1857.19	888.96	893.47	892.49	893.58	0.002192	3.35	788.61	527.09
Main	9994.849	25-YEAR	2532.55	888.96	893.95	892.71	894.06	0.001785	3.55	1049.73	603.52
Main	9994.849	50-YEAR	2968.36	888.96	894.32	892.86	894.43	0.001413	3.5	1274.66	666.01
Main	9994.849	100-YEAR	3621.22	888.96	894.79	893.01	894.9	0.0011	3.46	1626.09	705.79
Main	9348.257	2-YEAR	1045.06	886.5	891.48	890.25	891.64	0.001237	3.96	454.11	279.01
Main	9348.257	5-YEAR	1659.16	886.5	892.39	891.07	892.56	0.001161	4.35	806.85	560
Main	9348.257	10-YEAR	1857.19	886.5	892.64	891.2	892.78	0.000983	4.13	950.11	566.16
Main	9340.251 0340 257		2568.46	886.5	893.37	891.66	893.47	0.000703	3.77	1365.52	5/3.21
Main	3340.231 9348 257		3009.09	0000 2 2 2 2	093.00 801 1	091.00 802.16	093.95 804 40	0.000579	3.02	1070.33	500.99 612 22
main	0070.201	100 I LAIN	0004.10	000.0	034.4	032.10	034.49	0.000041	5.12	1912.0	012.23

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	8535.745	2-YEAR	1115.85	883.31	890.73	887.95	890.86	0.000799	3.12	479.67	319.99
Main	8535.745	5-YEAR	1824.07	883.31	891.81	889.74	891.93	0.000581	3.2	946.63	522.72
Main	8535.745	10-YEAR	2068.92	883.31	892.15	889.95	892.26	0.000503	3.12	1123.28	534.73
Main	8535.745	25-YEAR	2959.51	883.31	892.95	890.62	893.06	0.000452	3.28	1565.28	606.05
Main	8535.745	50-YEAR	3706.32	883.31	893.45	891.15	893.57	0.000455	3.48	2205.82	690.77 750.70
Main	8163 8/1		4334.73	992.31	800.50	091.32	800.63	0.000434	1.05	1069.39	2005 56
Main	8163.841	5-VEAR	1824.07	883 31	801.84		801.85	0.000391	1.95	1357 56	2093.30
Main	8163 841	10-YFAR	2068.92	883.31	892 18		892 18	0.000047	0.9	5302.88	2786.51
Main	8163.841	25-YEAR	2959.51	883.31	892.99		893	0.000032	0.84	7590.66	2858.55
Main	8163.841	50-YEAR	3706.32	883.31	893.5		893.51	0.000029	0.85	9064.04	2901.66
Main	8163.841	100-YEAR	4554.73	883.31	894.07		894.07	0.000026	0.86	10707.92	2934.23
Main	7636.001	2-YEAR	1152.69	884.96	890.52		890.52	0.000104	0.86	2487.47	1973.61
Main	7636.001	5-YEAR	1882.03	884.96	891.82		891.82	0.000034	0.67	5619.71	2766.42
Main	7636.001	10-YEAR	2132.27	884.96	892.16		892.16	0.000027	0.63	6577.81	2784.45
Main	7636.001	25-YEAR	2975.78	884.96	892.98		892.98	0.00002	0.62	8857.66	2792.72
Main	7636.001	50-YEAR	3678.62	884.96	893.49		893.5	0.000019	0.64	10290.63	2797.9
Main	7636.001	100-YEAR	4598.73	884.96	894.06		894.06	0.000018	0.68	11869.13	2803.6
Main	7577.233	2-YEAR	1152.69	885.66	890.48	888.84	890.51	0.000278	1.43	1133.08	1806.58
Main	7577 222	3-1 EAR	1002.03	00.000 885.66	091.0 802.14	009.27 880.30	091.01 802.16	0.000106	1.2	2210.03	2009.20
Main	7577 233	25-YEAR	2975 78	885.66	892.14	889.84	892.10	0.000094	1.19	2303.03	2763.83
Main	7577 233	50-YEAR	3678.62	885.66	893 47	890.03	893 49	0.000089	1.0	3597.39	2768.45
Main	7577.233	100-YEAR	4598.73	885.66	894.02	890.26	894.05	0.000095	1.56	4058.58	2773.5
Main	7257.233		Bridge								
Main	7131.875	2-YEAR	1152.69	884.45	890.08	887.98	890.11	0.000238	1.41	869.39	1658.35
Main	7131.875	5-YEAR	1882.03	884.45	891.43	888.39	891.46	0.000155	1.46	1365.48	2171.76
Main	7131.875	10-YEAR	2132.27	884.45	891.77	888.52	891.81	0.000147	1.51	1516.17	2442.79
Main	7131.875	25-YEAR	2975.78	884.45	892.59	888.83	892.63	0.000152	1.73	1877.76	2458.41
Main	7131.875	50-YEAR	3678.62	884.45	893.01	889.06	893.06	0.000173	1.96	2066.53	2462.07
Main	7131.875	100-YEAR	4598.73	884.45	893.44	889.34	893.52	0.000205	2.24	2259.37	2464.66
Main	7052.06	2-YEAR	1152.69	884.45	890.09	887.06	890.09	0.00001	0.42	4892.39	2088.89
Main	7052.06	5-YEAR	1882.03	884.45	891.45	887.22	891.45	0.000008	0.44	7786.38	2678.75
Main	7052.00	10-1 EAR	2132.27	004.40 99 <i>1</i> 15	802.61	007.20 997.20	802.61	0.000008	0.45	0040.02	2009.37
Main	7052.00	50-YEAR	3678.62	884.45	892.01	887.49	892.01	0.000007	0.47	12984 21	2704.30
Main	7052.00	100-YEAR	4598.73	884.45	893.48	887.61	893.48	0.000001	0.59	14181.4	2714.29
Main	4367.346	2-YEAR	1161.65	878.81	890.01	883.26	890.04	0.000067	1.36	858.43	436.36
Main	4367.346	5-YEAR	1906.3	878.81	891.35	883.97	891.4	0.000094	1.81	1159.41	798.92
Main	4367.346	10-YEAR	2169.61	878.81	891.68	884.21	891.74	0.000103	1.95	1279.09	919.84
Main	4367.346	25-YEAR	3001.72	878.81	892.47	884.87	892.56	0.000133	2.36	1632.84	1140.15
Main	4367.346	50-YEAR	3655.97	878.81	892.88	885.34	892.98	0.00016	2.68	1848.39	1218.94
Main	4367.346	100-YEAR	4521.82	878.81	893.28	885.94	893.41	0.0002	3.08	2081.53	1286.7
Main	3910.738	2-YEAR	1161.65	878.53	890.01	882.29	890.02	0.000021	0.85	1372.78	258.58
Main	3910.738	5-YEAR	1906.3	878.53	891.35	882.87	891.37	0.000031	1.15	1921.48	696.87
Main	3910.738	10-YEAR	2169.61	878.53	891.08	883.00	891.7	0.000035	1.24	2020.12	841.24 1043.23
Main	3910.738	50-YEAR	3655.97	878 53	892.40	883.95	892.01	0.000044	1.47	2900.10	1043.23
Main	3910.738	100-YEAR	4521.82	878.53	893.29	884.4	893.34	0.000064	1.88	3860.55	1130.04
Main	3035.572	2-YEAR	1161.65	877.13	889.96	882.25	889.99	0.000056	1.42	854.08	150.78
Main	3035.572	5-YEAR	1906.3	877.13	891.26	883.08	891.32	0.00009	1.95	1071.7	577.07
Main	3035.572	10-YEAR	2169.61	877.13	891.58	883.35	891.65	0.000103	2.14	1139.47	904.97
Main	3035.572	25-YEAR	3001.72	877.13	892.37	884.1	892.45	0.000121	2.45	2093.91	1349.64
Main	3035.572	50-YEAR	3655.97	877.13	892.78	884.63	892.86	0.000125	2.56	2895.88	1414.07
Main	3035.572	100-YEAR	4521.82	877.13	893.18	885.27	893.26	0.000141	2.78	3464.68	1427.2
Main	1835.181	2-YEAR	1161.65	875.88	889.91	880.52	889.93	0.00004	1.21	960.23	152.18
Main	1835.181	5-YEAR	1906.3	875.88	891.17	881.54	891.22	0.000081	1.69	1131.11	298.87
Main	1033.101	10-1 EAK	2109.61	015.08 075.00	802.24	001.07	802.20	0.000097	1.84	1177.42	3/1.5
Main	1835 181	50-YEAR	3655 97	07 0.00 875 88	092.21 892.57	002.13 883 35	092.29 892.68	0.000146	2.31	1323.21	769 11
Main	1835.181	100-YEAR	4521.82	875.88	892.9	884.08	893.06	0.000247	3.16	1544.62	817.04
Main	1162.53	2-YEAR	1161.65	873.72	889.91	879.58	889.91	0.000014	0.73	2007.05	281.88
Main	1162.53	5-YEAR	1906.3	873.72	891.17	881.43	891.18	0.000026	1.03	2357.12	372.38
Main	1162.53	10-YEAR	2169.61	873.72	891.47	881.7	891.49	0.000032	1.14	2453.41	479.08
Main	1162.53	25-YEAR	3001.72	873.72	892.2	882.37	892.23	0.000057	1.61	2777.99	1096.43
Main	1162.53	50-YEAR	3655.97	873.72	892.56	882.79	892.6	0.000073	1.85	2956.66	1299.6
Main	1162.53	100-YEAR	4521.82	873.72	892.89	883.27	892.94	0.000096	2.17	3278.65	1645.25

Table C.3				
Nugent Creek Results for E	Existing (Conditions	(SWMM	Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	1117.527	2-YEAR	1161.65	875.02	889.8	881.07	889.89	0.000223	2.37	490.4	77.25
Main	1117.527	5-YEAR	1906.3	875.02	890.99	882.82	891.14	0.000373	3.12	697.08	243.92
Main	1117.527	10-YEAR	2169.61	875.02	891.27	883.36	891.44	0.000414	3.36	769.45	267.9
Main	1117.527	25-YEAR	3001.72	875.02	891.93	884.83	892.16	0.000524	4.02	971.43	348.81
Main	1117.527	50-YEAR	3655.97	875.02	892.22	885.94	892.51	0.000654	4.61	1092.02	495.74
Main	1117.527	100-YEAR	4521.82	875.02	892.42	887.22	892.82	0.000883	5.45	1202.44	609.75
Main	1047.027		Culvert								
Main	984.0082	2-YEAR	1161.65	874.83	882.52	878.47	882.68	0.000437	3.22	360.52	70.17
Main	984.0082	5-YEAR	1906.3	874.83	884.29	879.55	884.54	0.000477	4.03	473.59	78.67
Main	984.0082	10-YEAR	2169.61	874.83	884.81	879.9	885.09	0.000493	4.28	506.98	81.18
Main	984.0082	25-YEAR	3001.72	874.83	886.3	880.8	886.61	0.000595	4.49	668.1	89.24
Main	984.0082	50-YEAR	3655.97	874.83	887.23	881.46	887.59	0.000671	4.83	756.18	99.17
Main	984.0082	100-YEAR	4521.82	874.83	888.31	882.24	888.73	0.00068	5.22	868.91	111.67
Main	920.2697	2-YEAR	1173.83	873.98	881.32		882.35	0.005242	8.15	143.97	39.28
Main	920.2697	5-YEAR	1927.45	873.98	882.85		884.15	0.005174	9.17	210.28	47.68
Main	920.2697	10-YEAR	2196.3	873.98	883.31		884.69	0.005102	9.42	233.25	50.28
Main	920.2697	25-YEAR	3033.21	873.98	884.54		886.14	0.005063	10.13	299.28	57.49
Main	920.2697	50-YEAR	3681.34	873.98	885.38		887.09	0.004946	10.51	350.67	65.05
Main	920.2697	100-YEAR	4543.31	873.98	886.23		888.18	0.004722	11.23	409.09	72.49
Main	525.4784	2-YEAR	1173.83	870.98	877.82	877.82	879.53	0.009755	10.47	112.06	32.83
Main	525.4784	5-YEAR	1927.45	870.98	879.31	879.31	881.4	0.009218	11.61	166.01	39.94
Main	525.4784	10-YEAR	2196.3	870.98	879.73	879.73	881.96	0.009203	11.99	183.2	41.95
Main	525.4784	25-YEAR	3033.21	870.98	880.95	880.95	883.47	0.008726	12.74	238.07	47.8
Main	525.4784	50-YEAR	3681.34	870.98	881.75	881.75	884.48	0.008531	13.26	277.63	51.62
Main	525.4784	100-YEAR	4543.31	870.98	882.61	882.61	885.68	0.008093	14.05	324.04	55.84
Main	154.246	2-YEAR	1173.83	866.71	873.62	873.6	875.35	0.009803	10.56	111.14	32.27
Main	154.246	5-YEAR	1927.45	866.71	875.1	875.1	877.24	0.009331	11.74	164.18	39.21
Main	154.246	10-YEAR	2196.3	866.71	875.57	875.57	877.81	0.00908	12.01	182.93	41.39
Main	154.246	25-YEAR	3033.21	866.71	876.81	876.81	879.33	0.008572	12.74	238.11	47.21
Main	154.246	50-YEAR	3681.34	866.71	877.52	877.52	880.36	0.008544	13.52	272.4	50.51
Main	154.246	100-YEAR	4543.31	866.71	878.43	878.43	881.6	0.007805	14.31	320.4	54.83

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Trib. 1	6180.255	100-YEAR	402.15	917.98	919.45	919.09	919.62	0.003879	3.29	126.2	129.77
Trib. 1	5861.04	100-YEAR	402.15	916.03	917.04	917.04	917.44	0.014324	5.13	78.56	99.52
Trib. 1	5685.7	100-YEAR	402.15	912.23	916.84	914.71	916.88	0.000326	1.94	307.49	193.64
IND.1 Trib 1	5629.2			011.6	015 75	014.10	015 90	0.001161	2.00	171 10	151.00
Trib 1	5501 688	100-TEAR	469.09	911.0	915.75	914.10	915.09	0.001161	2.99	1/1.42	54.26
Trib 1	5447 688	100-TLAR	409.09 Culvert	311.42	915.07	913.0	915.04	0.001039	5.54	140.02	34.20
Trib. 1	5374,909	100-YEAR	469.09	911.08	915	913.2	915.08	0.000801	2.35	199.66	91.61
Trib. 1	5302.702	100-YEAR	469.09	910.49	914.91	913.29	915.01	0.000828	2.79	223.98	137.5
Trib. 1	5243.702		Culvert								
Trib. 1	5062.864	100-YEAR	469.09	908.84	914.69	911.35	914.71	0.000106	1.32	541.19	251.72
Trib. 1	4951.364		Culvert								
Trib. 1	4770.093	100-YEAR	469.09	907.64	910.26	910.05	910.66	0.006076	5.71	113.01	97.45
Trib. 1	4471.528	100-YEAR	469.09	906.69	908.96		909.12	0.004107	4.56	180.44	164.46
Trib. 1	4165.382	100-YEAR	469.09	904.11	907.98	907.58	908.09	0.002678	3.9	238.8	264.26
Irib. 1 Trib. 1	3965.882		Culvert	002.28	006.63	005 77	006.9	0.001296	2.60	192.00	200.19
Trib. 1	3874.173	100-YEAR	409.09	902.28	906.63	905.77	906.8	0.001386	3.69	183.09	309.18
Trib 1	3254 669	100-TEAR	831 /3	808 34	903.99	903.99	904.90	0.01009	1.09	200.60	300.07
Trib 1	2787 505	100-YEAR	831 43	896 15	902.33	900.07	900.74	0.005000	6.98	158 27	141 53
Trib. 1	2264.821	100-YEAR	831.43	894.21	898.81	000.01	898.97	0.001138	3.3	297.95	267.4
Trib. 1	1906.714	100-YEAR	831.43	892.71	896.95	896.95	897.98	0.00995	8.15	103.27	57.27
Trib. 1	1521.886	100-YEAR	831.43	892.15	896.57	895.36	896.69	0.000985	3.13	438.59	394.38
Trib. 1	1205.084	100-YEAR	831.43	891.18	895.57	894.91	896.1	0.004273	5.97	159.69	109.86
Trib. 1	1205		Lat Struct								
Trib. 1	779.4147	100-YEAR	811.03	890	895.43	893.49	895.51	0.000474	2.71	446.29	181.79
Trib. 1	581.3154	100-YEAR	640.26	888.11	895.43		895.45	0.000101	1.48	683.85	230.14
Trib. 1	475.7265	100-YEAR	550.1	887.58	895.42		895.44	0.000066	1.2	730.92	236.79
Trib. 1	359.2033	100-YEAR	868.33	887.02	895.32	889.59	895.4	0.000154	2.5	383.21	442.11
Trib. 1	320.703		Culvert	000 74	000.04	004.47	000 77	0.0000.40	0.00	455.00	004.00
IND.1 Trib 1	278.0496	100-YEAR	868.33	886.74	892.21	891.17	892.77	0.002649	6.28 2.07	155.92	221.22
Trib 1	256103/	100-TEAR	868 33	885.25	092.34 801.12	890.6	092.40 801.84	0.001576	5.97	440.14 127.26	820.37
Main	22385.36	100-YEAR	2410	911 24	916.4	915 76	916.63	0.003142	5.73	825.84	535 74
Main	21872.73	100-YEAR	2410	909.93	915.1	0.0000	915.3	0.002242	5.16	867.38	495.19
Main	21557.51	100-YEAR	2410	909.89	914.83	913.41	914.88	0.000779	3.34	1536.75	824.11
Main	20896.61	100-YEAR	2410	907.73	914.48	912.85	914.52	0.000403	2.59	1877.03	875.45
Main	20345.11	100-YEAR	2410	907.1	914.4	911.48	914.41	0.000113	1.53	3389.14	1303.96
Main	20253.01	100-YEAR	2410	907.04	914.39	911.3	914.4	0.000064	1.37	3950.73	1373.74
Main	20179.01		Culvert								
Main	20112.54	100-YEAR	2410	906.62	911.17	911.17	912.31	0.007604	8.87	312.18	654.64
Main	20048.73	100-YEAR	2410	906	910.96	910.44	911.07	0.002689	5.25	1048.28	779.58
Main	19755.87	100-YEAR	2410	905.68	910.46	910.06	910.52	0.001364	3.16	1364.85	820.79
Main	18948.9	100-YEAR	2410	903.35	908.25	907.94	908.52	0.007221	2.07	1722.00	1279 42
Main	17054.09	100-YEAR	2410	899.18	906.07	903.70	906.74	0.000915	3.67	1390.59	890 93
Main	16033.01	100-YEAR	2410	897.11	903.34	903.13	904.08	0.007004	7.58	396.26	1089.23
Main	15391.28	100-YEAR	2410	894.96	902.26	901.91	902.35	0.001206	4.34	1459.51	1053.3
Main	14908.33	100-YEAR	2410	893.97	902.02	900.22	902.05	0.00034	2.32	2046.22	1050.75
Main	14522	100-YEAR	2410	893.47	901.98	899.45	901.98	0.000095	1.47	3767.62	1434.32
Main	14191.31	100-YEAR	4180	892.69	901.9	898.95	901.93	0.000197	2.21	3393.37	1187.97
Main	14120.59	100-YEAR	4180	892.69	901.89	900.2	901.91	0.000196	2.28	3671.63	1072.14
Main	14057.59		Culvert								
Main	13981.58	100-YEAR	4180	892.69	900	900	900.11	0.000989	4.32	1952.01	803.3
Main	13923.13	100-YEAR	4180	892.71	898.17	898.17	898.75	0.006186	9.31	997.53	700.06
iviain Main	13313.13	100-YEAR	4180	891.89	897.13	895.9	897.16	0.000447	2.62	3685.49	1908.91
iviain Main	12489.32	100-YEAR	4180	890.94	896.68	894.88	896.73	0.000634	2.88	2521.83	9/5.17
Main	11048 34	100-YEAR	4100	888 51	895.22	893 55	090.28 805 81	0.000568	3.07 3.62	2314.34	714 15
Main	10491 67	100-YEAR	4180	889.33	895.47	893.14	895.54	0.000468	2.88	2280.31	730.21
Main	9994.849	100-YEAR	4180	888.96	895.1	893.13	895.21	0.000991	2.50	1846.06	718.15
Main	9348.257	100-YEAR	4412.68	886.5	894.73	892.16	894.82	0.000535	3.83	2175.29	628.72
Main	8535.745	100-YEAR	4412.68	883.31	894.73	891.42	894.74	0.000032	1.05	10020.28	3163.29
Main	8163.841	100-YEAR	4412.68	883.31	894.73		894.73	0.000015	0.69	12659.12	2993.22
Main	7636.001	100-YEAR	5802.68	884.96	894.72		894.72	0.000018	0.73	13723.69	2810.28
Main	7577.233	100-YEAR	5802.68	885.66	894.68	890.48	894.71	0.000101	1.72	4598.73	2779.53

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	7257.233		Bridge								
Main	7131.875	100-YEAR	5802.68	884.45	893.93	889.67	894.02	0.000246	2.6	2473.85	2467.54
Main	7052.06	100-YEAR	5802.68	884.45	893.97	887.74	893.97	0.000012	0.68	15521.35	2719.79
Main	4367.346	100-YEAR	5802.68	878.81	893.7	886.72	893.89	0.000271	3.69	2353.43	1417.71
Main	3910.738	100-YEAR	5802.68	878.53	893.73	884.99	893.79	0.000085	2.22	4383.2	1222.03
Main	3035.572	100-YEAR	5802.68	877.13	893.6	886.14	893.7	0.00017	3.13	4066	1440.94
Main	1835.181	100-YEAR	5802.68	875.88	893.32	885	893.48	0.000261	3.36	2628.54	926.69
Main	1162.53	100-YEAR	5802.68	873.72	893.27	883.9	893.35	0.000144	2.73	3654.36	1949.58
Main	1117.527	100-YEAR	5802.68	875.02	892.55	888.67	893.17	0.001343	6.79	1289.73	744.66
Main	1047.027		Culvert								
Main	984.0082	100-YEAR	5802.68	874.83	889.72	883.24	890.23	0.000663	5.71	1044.91	137.09
Main	920.2697	100-YEAR	5802.68	873.98	887.36	886.31	889.62	0.004412	12.1	496.42	81.72
Main	525.4784	100-YEAR	5802.68	870.98	883.75	883.75	887.27	0.007415	15.08	390.92	61.43
Main	154.246	100-YEAR	6062.68	866.71	879.84	879.84	883.57	0.007069	15.54	402.78	61.55

Table C.5		
Nugent Creek Results for Future Conditions	(SWMM	Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Trib. 1	6180.255	2-YEAR	147.38	917.98	918.97	918.7	919.04	0.003612	2.17	68.03	111.36
Trib. 1	6180.255	5-YEAR	214.21	917.98	919.12	918.83	919.22	0.003741	2.54	85.05	116.95
Trib. 1	6180.255	10-YEAR	254.29	917.98	919.2	918.89	919.31	0.003746	2.72	94.76	120.1
Trib. 1	6180.255	25-YEAR	308.55	917.98	919.3	918.97	919.43	0.003808	2.95	106.75	123.88
Trib 1	6180.255	50-YEAR	350.06	917.98	919.30	919.03	919.51	0.003867	3.11	115.32	120.51
Trib 1	6160.235		404.43	917.90	919.40	919.1	919.02	0.003077	3.29	120.7	129.92
Trib. 1	5861.04	Z-YEAR	147.38	916.03	916.63	916.63	916.85	0.017405	3.71	39.74	92.93
Trib 1	5861.04	5-YEAR 10 VEAD	214.21	916.03	916.76	916.76	917.03	0.016109	4.17	51.34	94.89
Trib 1	5861.04	25-VEAD	204.29	910.03	910.02	910.02	917.12	0.015003	4.43	57.41	95.91
Trib 1	5861.04	50-VEAR	350.06	916.03	910.91	910.91	917.23	0.013228	4.7	71 62	97.20
Trib 1	5861.04		404 45	916.03	917.04	917.04	917.54	0.014725	4.03 5.14	78.84	99.57
Trib 1	5685.7	2-YEAR	147 38	912.23	916 39	913 78	916.4	0.00009	0.11	210.9	183.45
Trib 1	5685 7	5-YEAR	214 21	912.20	916.53	914.08	916 54	0.000003	1 25	210.9	186.41
Trib 1	5685.7	10-YEAR	254 29	912.23	916.61	914.00	916.63	0.000133	1.20	232.13	188.4
Trib 1	5685.7	25-YEAR	308 55	912.23	916.7	914 42	916 73	0.000245	1 64	261 76	190.46
Trib 1	5685 7	50-YEAR	350.06	912 23	916 74	914 56	916 78	0.000283	1 78	289.48	191 51
Trib. 1	5685.7	100-YEAR	404.45	912.23	916.85	914.73	916.9	0.000323	1.94	310.08	193.94
Trib. 1	5629.2		Culvert								
Trib. 1	5533.744	2-YEAR	106.97	911.6	913.05	912.75	913.27	0.005579	3.78	28.33	27.21
Trib. 1	5533.744	5-YEAR	149.33	911.6	913.55	912.98	913.73	0.00338	3.48	42.93	31.97
Trib. 1	5533.744	10-YEAR	220.01	911.6	914.26	913.31	914.42	0.002214	3.2	68.67	42.1
Trib. 1	5533.744	25-YEAR	316.83	911.6	915.01	913.67	915.14	0.001691	2.96	107.01	60.44
Trib. 1	5533.744	50-YEAR	383.57	911.6	915.32	913.89	915.46	0.001544	3.02	127.17	67.87
Trib. 1	5533.744	100-YEAR	469.51	911.6	915.76	914.18	915.89	0.001146	2.98	172.86	153.47
Trib. 1	5501.688	2-YEAR	106.97	911.42	912.93	912.56	913.09	0.003973	3.21	33.31	31.65
Trib. 1	5501.688	5-YEAR	149.33	911.42	913.49	912.74	913.62	0.002026	2.87	52.01	35.15
Trib. 1	5501.688	10-YEAR	220.01	911.42	914.23	913.03	914.35	0.001253	2.78	79.19	38.96
Trib. 1	5501.688	25-YEAR	316.83	911.42	914.97	913.36	915.1	0.001001	2.89	109.48	42.62
Trib. 1	5501.688	50-YEAR	383.57	911.42	915.27	913.56	915.42	0.001064	3.14	122.34	44.12
Trib. 1	5501.688	100-YEAR	469.51	911.42	915.67	913.81	915.85	0.001051	3.33	141.29	55.06
Trib. 1	5447.688		Culvert								
Trib. 1	5374.909	2-YEAR	106.97	911.08	912.93	912.09	912.99	0.001116	1.84	58.12	49.33
Trib. 1	5374.909	5-YEAR	149.33	911.08	913.47	912.28	913.51	0.000717	1.72	86.91	58.7
Trib. 1	5374.909	10-YEAR	220.01	911.08	914.16	912.54	914.2	0.000501	1.67	131.73	70.87
Trib. 1	5374.909	25-YEAR	316.83	911.08	914.72	912.83	914.77	0.000509	1.81	174.91	84.4
Trib. 1	5374.909	50-YEAR	383.57	911.08	914.86	913	914.92	0.000632	2.05	187	88
Trib. 1	5374.909	100-YEAR	469.51	911.08	915	913.2	915.09	0.000796	2.34	200.28	91.79
Trib. 1	5302.702	2-YEAR	106.97	910.49	912.8	911.9	912.89	0.001461	2.27	47.07	35.43
Trib. 1	5302.702	5-YEAR	149.33	910.49	913.37	912.14	913.44	0.00098	2.16	69.84	51.15
Trib. 1	5302.702	10-YEAR	220.01	910.49	914.09	912.47	914.15	0.000627	2.08	123.24	97.25
Trib. 1	5302.702	25-YEAR	316.83	910.49	914.66	912.83	914.72	0.00055	2.18	189.48	133.6
Trib. 1	5302.702	50-YEAR	383.57	910.49	914.79	913.05	914.87	0.000664	2.45	206.91	135.59
Trib 1	5302.702	100-TEAR	409.01	910.49	914.92	913.29	910.02	0.000621	2.70	225.05	137.02
Trib 1	5243.702			000.04	011.0	000.82	011.25	0.000604	1 01	59.00	21.4
Trib 1	5062.864		140.97	908.84	911.3	909.82	911.35	0.000604	1.81 1.81	20.96	31.4
Trib 1	5062.004		149.33	906.64	911.00	910.06	911.9	0.000007	1.07	19.00	44.17
Trib 1	5062.004	25-VEAD	220.01	300.04 002 24	JIZ.70	910.39 010 70	912.0 011 07	0.000335	1.01	1/1.04	112.00 221 Q1
Trib 1	5062.864	50-VEAR	383.57	908.84	914.20	910.78	914.27	0.000070	1.04	500 34	231.04
Trib 1	5062.864	100-YEAR	469.51	908.84	914 71	911.35	914.73	0.000001	1.10	583.32	252 44
Trib 1	4951 364	100 12/11	Culvert			011100	01110	0.0001		000.02	202111
Trib 1	4770 093	2-YFAR	106 97	907 64	909 17	909 11	909 41	0.008808	4 05	30.61	53 11
Trib 1	4770.093	5-YEAR	149 33	907.64	909.34	909.11	909.41	0.008708	4.03	40.36	58 91
Trib. 1	4770.093	10-YEAR	220.01	907.64	909 58	909.49	909.92	0.00853	4.40	55 29	70 51
Trib. 1	4770.093	25-YEAR	316.83	907.64	909.83	909 74	910 22	0.008062	5 49	74 74	81 19
Trib. 1	4770.093	50-YEAR	383.57	907.64	909.99	909.9	910.41	0.007762	5.79	87.89	87.08
Trib. 1	4770.093	100-YEAR	469.51	907.64	910.27	910.06	910.66	0.006065	5.71	113.16	97.52
Trib. 1	4471.528	2-YEAR	106.97	906.69	908.17		908.22	0.002101	2.18	73.67	107.84
Trib. 1	4471.528	5-YEAR	149.33	906.69	908.37		908.42	0.002101	2.46	95.51	120.56
Trib. 1	4471.528	10-YEAR	220.01	906.69	908.63		908.7	0.002087	2.82	130.2	140.16
Trib. 1	4471.528	25-YEAR	316.83	906.69	908.89		908.97	0.002212	3.26	169.19	159.34
Trib. 1	4471.528	50-YEAR	383.57	906.69	909.03		909.12	0.002359	3.54	191.38	169.29
Trib. 1	4471.528	100-YEAR	469.51	906.69	908.96		909.11	0.004125	4.57	180.27	164.39

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El	W.S. Elev (ft)	Crit W.S.	E.G. Elev (ft)	E.G. Slope	Vel Chnl (ft/s)	Flow Area	Top Width (ft)
Trib 1	4165 382	2-YEAR	106.97	904 11	906 74	906 74	906.99	0.008994	4 57	35.63	71 28
Trib. 1	4165.382	5-YEAR	149.33	904.11	906.89	906.89	907.17	0.009561	5.02	46.71	80.04
Trib. 1	4165.382	10-YEAR	220.01	904.11	907.08	907.08	907.4	0.010354	5.62	62.91	91.34
Trib. 1	4165.382	25-YEAR	316.83	904.11	907.32	907.32	907.65	0.009928	5.96	90.02	156.27
Trib. 1	4165.382	50-YEAR	383.57	904.11	907.46	907.46	907.78	0.009147	5.97	115.73	199.72
Trib. 1	4165.382	100-YEAR	469.51	904.11	907.98	907.58	908.09	0.002667	3.9	239.35	264.47
Trib. 1	3965.882		Culvert								
Trib. 1	3874.173	2-YEAR	106.97	902.28	904.75	903.74	904.86	0.001601	2.67	40.09	24.89
Trib. 1	3874.173	5-YEAR	149.33	902.28	905.34	904.02	905.45	0.00127	2.67	56.02	31.45
Trib. 1	3874.173	10-YEAR	220.01	902.28	905.78	904.42	905.92	0.001333	3.01	89.32	182.82
I rib. 1	3874.173	25-YEAR	316.83	902.28	906.16	904.87	906.31	0.001424	3.35	127.17	262.86
Trib 1	3874.173	50-YEAR	383.57	902.28	906.39	905.14	906.54	0.001393	3.49	154.4	297.08
Trib 1	2459 172	2 VEAD	409.01	902.20	900.03	903.78	900.0	0.001391	5.7	20.00	309.13
Trib 1	3458 173	5-YEAR	343 37	899.70	902.44	902.3	902.92	0.00978	6 31	54.46	106.81
Trib 1	3458 173	10-YFAR	457 15	899.76	903 17	903 17	903.93	0.010440	7.03	65.05	228 12
Trib. 1	3458.173	25-YEAR	598.96	899.76	903.52	903.52	904.37	0.011215	7.38	81.15	259.92
Trib. 1	3458.173	50-YEAR	698.42	899.76	903.72	903.72	904.64	0.011324	7.68	90.89	272.67
Trib. 1	3458.173	100-YEAR	831.76	899.76	904	904	904.96	0.010626	7.87	105.69	307.57
Trib. 1	3254.669	2-YEAR	212.59	898.34	901.54	900.93	901.72	0.003465	3.49	60.95	65.95
Trib. 1	3254.669	5-YEAR	343.37	898.34	902.05	901.38	902.29	0.003406	3.96	86.87	240.3
Trib. 1	3254.669	10-YEAR	457.15	898.34	902.24	901.69	902.46	0.003064	4.04	176.69	317.75
Trib. 1	3254.669	25-YEAR	598.96	898.34	902.34	901.99	902.62	0.003857	4.7	208.93	322.69
Irib. 1	3254.669	50-YEAR	698.42	898.34	902.45	902.37	902.73	0.003/3/	4.81	246.49	328.01
Trib 1	3234.009		031.70	090.34	902.59	902.40	902.00	0.003007	4.97	290.77	333.94
Trib 1	2787 505	Z-TEAR 5-VEAR	212.09	896.15	808 82	808.82	090.92 800.52	0.012392	5.69	51.16	37.5
Trib 1	2787 505	10-YEAR	457 15	896.15	899.14	899.14	899.92	0.012302	7 16	63.82	41 25
Trib. 1	2787.505	25-YEAR	598.96	896.15	899.71	899.71	900.32	0.006851	6.44	111.97	117.26
Trib. 1	2787.505	50-YEAR	698.42	896.15	899.87	899.87	900.51	0.006739	6.7	131.51	127.02
Trib. 1	2787.505	100-YEAR	831.76	896.15	900.07	900.07	900.74	0.006486	6.98	158.36	141.58
Trib. 1	2264.821	2-YEAR	212.59	894.21	896.8		896.9	0.001696	2.53	84.15	60.78
Trib. 1	2264.821	5-YEAR	343.37	894.21	897.4		897.52	0.001564	2.76	124.41	74.04
Trib. 1	2264.821	10-YEAR	457.15	894.21	897.82		897.95	0.001489	2.91	157.06	83.19
Trib. 1	2264.821	25-YEAR	598.96	894.21	898.23		898.38	0.001372	3.1	196.64	115.84
Trib. 1	2264.821	50-YEAR	698.42	894.21	898.5		898.66	0.001248	3.2	233.83	160.39
Trib 1	2264.821	100-YEAR	212.50	894.21	898.81		898.97	0.001137	3.3	298.14	207.72
Trib 1	1900.714	Z-TEAR 5-VEAR	212.09	802.71	806.25		806.61	0.004014	4.09	52 71 1/	34.34 10.18
Trib 1	1906 714	10-YFAR	457 15	892 71	896 53		897	0.004040	5.52	82.8	43.36
Trib. 1	1906.714	25-YEAR	598.96	892.71	896.72		897.39	0.007075	6.56	91.35	47.14
Trib. 1	1906.714	50-YEAR	698.42	892.71	896.76	896.62	897.63	0.009104	7.5	93.23	48.87
Trib. 1	1906.714	100-YEAR	831.76	892.71	896.95	896.95	897.98	0.009951	8.15	103.3	57.3
Trib. 1	1521.886	2-YEAR	212.59	892.15	894.78	894	894.89	0.001989	2.7	78.67	57.86
Trib. 1	1521.886	5-YEAR	343.37	892.15	895.36	894.38	895.49	0.001823	2.94	118.71	90.86
Trib. 1	1521.886	10-YEAR	457.15	892.15	895.72	894.66	895.87	0.001607	3.16	156.63	165.56
Trib. 1	1521.886	25-YEAR	598.96	892.15	896.14	894.95	896.28	0.001248	3.16	270.11	349.76
Trib. 1	1521.886	50-YEAR	698.42	892.15	896.34	895.14	896.47	0.001119	3.15	346.88	388.03
Trib 1	1205 004	2 VEAD	031.70	092.15	090.08	095.30	090.09	0.000985	3.13	438.88	394.4
Trib 1	1205.084	Z-TEAR 5-VEAR	212.09	801.10	093.00 80/ 23	093.22 803.7	094.00 894.6	0.003330	3.77	50.44 70.81	30.92 40.52
Trib. 1	1205.004	10-YFAR	457 15	891.10	894.59	894 03	895.03	0.00481	5.32	85.91	43 98
Trib. 1	1205.084	25-YEAR	598.96	891.18	895.19	894.4	895.62	0.003783	5.25	114.19	85.43
Trib. 1	1205.084	50-YEAR	698.42	891.18	895.36	894.62	895.84	0.004054	5.57	137.71	102.61
Trib. 1	1205.084	100-YEAR	831.76	891.18	895.57	894.91	896.1	0.004266	5.97	159.87	109.92
Trib. 1	1205		Lat Struct								
Trib. 1	779.4147	2-YEAR	212.59	890	892.65	891.89	892.83	0.00257	3.34	63.58	65.32
Trib. 1	779.4147	5-YEAR	343.37	890	893.69	892.34	893.78	0.000893	2.56	178.1	130.06
Trib. 1	779.4147	10-YEAR	457.15	890	894.28	892.67	894.36	0.000609	2.46	258.93	145.43
Trib. 1	779.4147	25-YEAR	598.92	890	895.08	893.02	895.14	0.000378	2.28	384.52	174.24
Trib. 1	770 44 47	50-YEAR	696.16	890	895.22	893.35	895.3	0.000433	2.5	410.3	177.22
T JUL T	119.4141	100-YEAK	811.03	890	895.43	893.49	895.51	0.000473	2.71	446.7	181.84

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Trib. 1	581.3154	2-YEAR	269.2	888.11	892.52		892.59	0.000633	2.18	148.83	135.36
Trib. 1	581.3154	5-YEAR	393	888.11	893.65		893.68	0.000247	1.75	318.38	170.97
Trib. 1	581.3154	10-YEAR	481.66	888.11	894.25		894.28	0.000183	1.68	431.54	197
Trib. 1	581.3154	25-YEAR	524.32	888.11	895.07		895.09	0.000093	1.35	603.58	223.11
Trib 1	581 3154	100-VEAR	577.40 671.02	000.11 888.11	895.22 805.43		895.24	0.000099	1.42	68/ 35	220.00
Trib. 1	475 7265		260.2	887.58	802.45		802.52	0.000101	2.22	1/7 58	1/1 87
Trib 1	475 7265	5-YEAR	209.2	887 58	893.62		893.66	0.000039	1.7	344.43	191.07
Trib. 1	475.7265	10-YEAR	481.66	887.58	894.24		894.26	0.000162	1.59	466.18	206.32
Trib. 1	475.7265	25-YEAR	502.79	887.58	895.07		895.08	0.000076	1.23	647.45	230.47
Trib. 1	475.7265	50-YEAR	529.31	887.58	895.22		895.23	0.000073	1.23	682.41	233.13
Trib. 1	475.7265	100-YEAR	551.34	887.58	895.42		895.44	0.000066	1.2	731.44	236.83
Trib. 1	359.2033	2-YEAR	407.38	887.02	892.43	888.69	892.48	0.000148	1.84	244.92	361.77
Trib. 1	359.2033	5-YEAR	580.12	887.02	893.56	889.07	893.63	0.000156	2.15	299.17	385.35
Trib. 1	359.2033	10-YEAR	705.55	887.02	894.15	889.3	894.23	0.000171	2.38	327.24	399.94
Trib. 1	359.2033	25-YEAR	822.18	887.02	894.96	889.52	895.05	0.000161	2.48	366.16	442.11
Trib. 1	359.2033	50-YEAR	840.42	887.02	895.11	889.54	895.2	0.000157	2.49	373.39	442.11
Trib 1	359.2033	100-YEAR	868.67 Culuert	887.02	895.32	889.59	895.4	0.000154	2.5	383.31	442.11
Trib 1	320.703			006 74	001.60	800.0F	001.0	0.001050	2.55	100 7	200.05
Trib 1	278.0490	Z-TEAR 5-VEAR	407.30	000.74 886 74	802.20	890.05 800.56	802 53	0.001052	3.55	120.7	200.00
Trib 1	278 0496	10-YEAR	705 55	886 74	892	890.84	892.00	0.0011	5 44	146.05	216 73
Trib 1	278.0496	25-YEAR	822.18	886 74	892 15	891.08	892.42	0.002142	6.07	152 83	219.81
Trib. 1	278.0496	50-YEAR	840.42	886.74	892.17	891.11	892.71	0.002578	6.16	154.03	220.35
Trib. 1	278.0496	100-YEAR	868.67	886.74	892.21	891.17	892.77	0.00265	6.29	155.95	221.23
Trib. 1	234.3802	2-YEAR	407.38	886.76	890.99	890.53	891.59	0.006045	6.18	65.91	57.93
Trib. 1	234.3802	5-YEAR	580.12	886.76	891.57	891.1	892.29	0.006213	6.82	85.11	246.82
Trib. 1	234.3802	10-YEAR	705.55	886.76	891.97	891.47	892.24	0.002722	4.86	252.18	380.86
Trib. 1	234.3802	25-YEAR	822.18	886.76	892.24	891.87	892.39	0.00178	4.13	404.84	416.83
Trib. 1	234.3802	50-YEAR	840.42	886.76	892.28	891.88	892.43	0.001697	4.07	420.94	417.66
Trib. 1	234.3802	100-YEAR	868.67	886.76	892.34	891.91	892.48	0.001575	3.97	446.42	418.95
I rib. 1	25.61934	2-YEAR	407.38	885.25	889.79	889.27	890.32	0.005906	5.86	69.51	295.98
Trib 1	25.61934		580.12 705.55	885.25	890.38	809.80	890.99	0.005904	6.20 6.53	92.62	423.73
Trib 1	25.01934	25-VEAR	822.18	885.25	801.02	890.21	801.39	0.005913	6.74	100.13	70/ 30
Trib 1	25.61934	50-YEAR	840 42	885.25	891.02	890 52	891 77	0.005911	677	121.04	762.68
Trib. 1	25.61934	100-YEAR	868.67	885.25	891.12	890.6	891.84	0.005914	6.82	127.31	821.15
Main	22385.36	2-YEAR	397.88	911.24	914.64	914.64	915.24	0.01073	6.48	68.62	205.73
Main	22385.36	5-YEAR	615.73	911.24	915.22	915.22	915.74	0.007276	6.26	134.17	339.45
Main	22385.36	10-YEAR	738.41	911.24	915.38	915.38	915.93	0.007286	6.61	159.72	360.06
Main	22385.36	25-YEAR	881.83	911.24	915.58	915.58	915.69	0.001966	3.67	439.81	388.59
Main	22385.36	50-YEAR	948.62	911.24	915.58	915.58	915.7	0.002275	3.94	439.79	388.58
Main	22385.36	100-YEAR	1114.89	911.24	915.58	915.58	915.75	0.003143	4.63	439.79	388.58
Main	21872.73	2-YEAR	397.88	909.93	913.56		913.63	0.001257	2.54	256.64	285.33
Main	218/2./3		015.73	909.93	913.88		913.97	0.001342	2.94	356.64	330.01
Main	21012.13	25-YEAR	881 83	000 03 909.93	914.14 01 <i>1</i> 17		914.22	0.000860	2.69	440.49 575 71	207.48 278.13
Main	21872.73	50-YEAR	948.62	909.93	914.65		914.71	0.000721	2.66	656 4	450.73
Main	21872.73	100-YEAR	1114.89	909.93	914.89		914.94	0.000664	2.69	766.16	473.78
Main	21557.51	2-YEAR	581.62	909.89	913.26	912.65	913.3	0.000926	2.56	486.43	490.09
Main	21557.51	5-YEAR	899.61	909.89	913.53	912.83	913.59	0.001133	3.06	619.64	567.11
Main	21557.51	10-YEAR	1027.92	909.89	913.92	912.84	913.96	0.000658	2.57	818.89	670.41
Main	21557.51	25-YEAR	1322.31	909.89	914.29	913.03	914.32	0.000557	2.55	1129.86	740.13
Main	21557.51	50-YEAR	1543.38	909.89	914.48	913.14	914.52	0.000544	2.62	1271.75	769.07
Main	21557.51	100-YEAR	1885.41	909.89	914.72	913.25	914.76	0.000559	2.78	1451.94	806.61
Main	20896.61	2-YEAR	581.62	907.73	911.93	911.45	912.19	0.003832	4.33	197.59	378.85
iviain Main	20896.61		899.61	907.73	913.07	912.12	913.11	0.000495	2.19	805.53	657.71 750.07
Main	20090.01	10-1EAK	1027.92	907.73 007 79	913./1	912.21 010 27	913.73	0.000207	1.62	1200.13	12.21 702 20
Main	20896 61	50-YFAR	1543.38	907.73	914.1 914 28	912.37	914.12 914 3	0.000194	1.09	1681 46	842 07
Main	20896.61	100-YEAR	1885.41	907.73	914.5	912.71	914.52	0.000241	2.01	1894.2	877.75
Main	20345.11	2-YEAR	581.62	907.1	911.66	910.51	911.68	0.000339	1.64	726.81	604.51
Main	20345.11	5-YEAR	899.61	907.1	913.01	910.75	913.02	0.00008	1.04	1789.68	990.2
Main	20345.11	10-YEAR	1027.92	907.1	913.68	910.72	913.68	0.000042	0.84	2428.56	1084.74
Main	20345.11	25-YEAR	1322.31	907.1	914.06	911.13	914.07	0.000046	0.93	2827.58	1250.19
Main	20345.11	50-YEAR	1543.38	907.1	914.24	911.21	914.25	0.000056	1.05	3186.86	1285.19
Main	20345.11	100-YEAR	1885.41	907.1	914.45	911.33	914.46	0.000065	1.17	3459.59	1310.43

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	20253.01	2-YEAR	810.58	907.04	911.5	909.33	911.61	0.000584	2.81	359.51	663.04
Main	20253.01	5-YEAR	1254.02	907.04	912.87	910.07	912.97	0.000386	2.83	565.32	1055.06
Main	20253.01	10-YEAR	1448.39	907.04	913.67	910.42	913.68	0.00005	1.13	2987.38	1302.23
Main	20253.01	25-YEAR	1818.25	907.04	914.05	910.84	914.06	0.000052	1.19	3495.34	1348.15
Main	20253.01	100-YEAR	2092.99	907.04	914.23	911.00	914.24	0.000057	1.27	4018 89	1303.99
Main	20200.01	100 12/11	Culvert	507.04	514.44	511.07	514.40	0.000000	1.4	4010.00	10/0.17
Main	20179.01	2-YEAR	810 58	906.62	910 3	909 03	910.62	0.003115	4 51	190.64	466 89
Main	20112.54	5-YEAR	1254 02	906.62	910.7	910.02	911 18	0.003937	5.69	246 29	552 63
Main	20112.54	10-YEAR	1448.39	906.62	910.77	910.41	911.37	0.004757	6.37	255.65	573.75
Main	20112.54	25-YEAR	1818.25	906.62	910.75	910.75	911.71	0.007739	8.08	252.62	567.85
Main	20112.54	50-YEAR	2092.99	906.62	910.96	910.96	912	0.00761	8.44	282.07	613.63
Main	20112.54	100-YEAR	2500.49	906.62	911.23	911.23	912.39	0.007632	9	319.99	678.16
Main	20048.73	2-YEAR	810.58	906	910.27	909.94	910.34	0.001869	3.72	563.5	671.45
Main	20048.73	5-YEAR	1254.02	906	910.81	910.08	910.85	0.00101	3.12	938.34	750.66
Main	20048.73	10-YEAR	1448.39	906	910.92	910.2	910.97	0.001046	3.25	1022.37	772.82
Main	20048.73	25-YEAR	1818.25	906	910.7	910.29	910.81	0.002758	5.02	859.08	729.74
Main	20048.73	50-YEAR	2092.99	906	910.83	910.35	910.95	0.002644	5.07	958.41	755.99
Main	20048.73	100-YEAR	2500.49	906	911.02	910.46	911.13	0.002541	5.17	1095.35	791.77
Main	19755.87	Z-YEAR	810.58 1254.02	905.68	910.14	909.67	910.15	0.000293	1.35	353.04	794.1
Main	19755.87	10-YEAR	1448 39	905.68	909.04	909.04 909.04	910.14	0.012442	8.21	394 26	703.0
Main	19755 87	25-YEAR	1818 25	905.68	910 25	910.06	910.24	0.011303	2 77	1189 91	803.08
Main	19755.87	50-YEAR	2092.99	905.68	910.39	910.06	910.44	0.001174	2.88	1306.29	814.91
Main	19755.87	100-YEAR	2500.49	905.68	910.58	910.06	910.63	0.001206	3.05	1457.15	830.26
Main	18948.9	2-YEAR	865.14	903.35	907.67	907.42	907.79	0.004267	5.14	395.51	583.21
Main	18948.9	5-YEAR	1320	903.35	907.86	907.59	908.03	0.00573	6.25	477.14	610.92
Main	18948.9	10-YEAR	1587.54	903.35	907.88	907.69	908.11	0.00771	7.3	488.57	613.91
Main	18948.9	25-YEAR	2006.41	903.35	908	907.83	908.29	0.008862	8.07	544.16	628.42
Main	18948.9	50-YEAR	2283.63	903.35	908.08	907.91	908.4	0.009568	8.53	577.54	636.78
Main	18948.9	100-YEAR	2681.15	903.35	908.21	908.01	908.56	0.009757	8.88	639.82	656.83
Main	17703.24	2-YEAR	865.14	900.16	905.61	905.26	905.71	0.001222	3.72	582.47	671.85
Main	17703.24		1320	900.16	906.15	905.47	906.22	0.000872	3.47	988.25	1154.29
Main	17703.24	25-VEAR	2006.41	900.10	900.41	905.59	900.40	0.000093	3.24	1390.20	1229.07
Main	17703.24	50-YEAR	2283.63	900.16	906.87	905.78	906.91	0.000564	3.13	1977 75	1315 23
Main	17703.24	100-YEAR	2681.15	900.16	907.08	906.02	907.12	0.000535	3.14	2262.43	1354.94
Main	17054.09	2-YEAR	937.41	899.18	904.67	904.42	904.77	0.001721	3.25	451.02	394.6
Main	17054.09	5-YEAR	1565.68	899.18	905.37	904.42	905.48	0.001461	3.65	865.65	740.44
Main	17054.09	10-YEAR	1950.71	899.18	904.43	904.43	905.06	0.012451	8.04	372.45	323.97
Main	17054.09	25-YEAR	2558.3	899.18	904.68	904.68	905.41	0.012509	8.79	455.23	398.61
Main	17054.09	50-YEAR	2981.16	899.18	904.88	904.88	905.65	0.01182	9.09	527.13	472.55
Main	17054.09	100-YEAR	3543.95	899.18	905.13	905.13	905.92	0.010921	9.37	626.39	683.43
Main	16033.01	2-YEAR	886.83	897.11	902.86	901.67	903.03	0.002043	3.57	303.85	1046.48
Main	16033.01	5-YEAR	1549.42	897.11	903.46	902.23	903.74	0.002472	4.65	422.29	1109.62
Main	16033.01	10-YEAR	2009.13	897.11	903.5	903.5	903.51	0.000183	1.28	2482.19	1116.15
Main	16033.01	50-YEAR	3227.7	897.11	903.5	903.5	903.52	0.000337	2.05	2481 99	1116.14
Main	16033.01	100-YEAR	3807.72	897.11	903.5	903.5	903.54	0.000657	2.33	2481.99	1116.14
Main	15391.28	2-YEAR	886.83	894.96	901.24	901.24	901.53	0.002654	5.38	399.01	759.51
Main	15391.28	5-YEAR	1549.42	894.96	901.54	901.54	901.88	0.003458	6.51	608.25	904.55
Main	15391.28	10-YEAR	2009.13	894.96	901.78	901.69	902.08	0.003211	6.55	782.01	968.04
Main	15391.28	25-YEAR	2726.62	894.96	902.15	901.91	902.3	0.001929	5.4	1348.22	1045.13
Main	15391.28	50-YEAR	3227.7	894.96	902.34	901.91	902.48	0.001849	5.44	1541.93	1058.46
Main	15391.28	100-YEAR	3807.72	894.96	902.54	902	902.68	0.001751	5.46	1761.31	1072.05
Main	14908.33	2-YEAR	886.83	893.97	900.95	899.6	900.97	0.000225	1.54	1125.75	775.8
Main	14908.33	5-YEAR	1549.42	893.97	901.27	899.91	901.3	0.000404	2.21	1383.81	833.25
Main	14900.33	10-1 EAK	2009.13	093.97 802 07	901.44	900.1	901.49	0.000531	2.62	1529.11	080.78 015 15
Main	14908.33	50-YEAR	3227 7	893.97 893 97	901.71 901.83	900.3	901.77 901.01	0.0000000	3.00 3.30	1877 32	940.40
Main	14908.33	100-YEAR	3807.72	893.97	902	900.56	902.09	0.000868	3.69	2029.99	1043.08
Main	14522	2-YEAR	886.83	893.47	900.92	898.94	900.93	0.000051	0.94	2236.65	1209.12
Main	14522	5-YEAR	1549.42	893.47	901.22	899.22	901.23	0.000103	1.4	2576.08	1259.51
Main	14522	10-YEAR	2009.13	893.47	901.37	899.27	901.38	0.000143	1.67	2754.68	1289.22
Main	14522	25-YEAR	2726.62	893.47	901.62	899.52	901.63	0.000187	1.98	3262.8	1403.34
Main	14522	50-YEAR	3227.7	893.47	901.72	899.62	901.74	0.000229	2.22	3410.5	1412.24
Main	14522	100-YEAR	3807.72	893.47	901.88	899.74	901.9	0.000265	2.43	3627.01	1425.67

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(Cts)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	14191.31	2-YEAR	1019.99	892.69	900.91	897.17	900.92	0.000028	0.74	2457.86	1024.01
Main	14191.31	5-YEAR	1660.11	892.69	901.19	897.98	901.2	0.000057	1.09	2714.44	1081.07
Main	14191.31	10-YEAR	2020.93	892.69	901.34	898.35	901.35	0.000075	1.27	2849.33	1105.36
Main	14191.31	25-YEAR	2680.54	892.69	901.57	898.57	901.59	0.000107	1.56	3073.35	1138.99
Main	14191.31		3130.00	092.09 802.60	901.00	090.09 909 94	901.09	0.000135	1.70	3102.39	1152.2
Main	14191.31		3711.03	092.09	901.0	090.04	901.03	0.000109	2.02	3297.09	020
Main	14120.59		1019.99	092.09	900.91	000.46	900.91	0.000027	0.75	2074.23	1000.06
Main	14120.59		2020.03	092.09 802.60	901.19	090.40 909.76	901.2	0.000056	1.14	2940.00	1009.06
Main	14120.59	25-YEAR	2680 54	892.69	901.55	800.70	901.54	0.000073	1.52	3330.88	1044 36
Main	14120.59	50-YEAR	3136.88	892.69	901.66	899.54	901.67	0.000135	1.02	3425 72	1051 21
Main	14120.59	100-YEAR	3711.05	892.69	901.79	899.91	901.81	0.000167	2.08	3569.77	1063.19
Main	14057.59		Culvert								
Main	13981.58	2-YEAR	1019.99	892.69	898.49	897.4	898.95	0.002758	5.63	228.86	696.13
Main	13981.58	5-YEAR	1660.11	892.69	898.68	898.68	899.67	0.00573	8.41	255.24	715.66
Main	13981.58	10-YEAR	2020.93	892.69	898.99	898.99	900.07	0.005817	8.97	298.99	758.22
Main	13981.58	25-YEAR	2680.54	892.69	899.46	899.46	900.73	0.006128	9.95	364.78	782.88
Main	13981.58	50-YEAR	3136.88	892.69	899.77	899.77	901.14	0.006195	10.48	407.91	790.18
Main	13981.58	100-YEAR	3711.05	892.69	900	900	900.09	0.00078	3.84	1952.01	803.3
Main	13923.13	2-YEAR	1019.99	892.71	897.08	897.08	898.41	0.009582	9.27	111.17	478.13
Main	13923.13	5-YEAR	1660.11	892.71	897.7	897.7	897.93	0.00254	5.46	669.63	613.25
Main	13923.13	10-YEAR	2020.93	892.71	897.7	897.7	898.04	0.003764	6.65	669.63	613.25
Main	13923.13	25-YEAR	2680.54	892.71	897.79	897.79	898.29	0.005452	8.15	721.26	631.08
Main	13923.13	50-YEAR	3136.88	892.71	897.91	897.91	898.45	0.005878	8.66	788.9	655.12
Main	13923.13	100-YEAR	3711.05	892.71	898.06	898.06	898.61	0.005969	8.97	922.05	689.05
Main	13313.13	2-YEAR	1019.99	891.89	895.64	895.2	895.69	0.001089	3	834.37	1446.88
Main	13313.13	5-YEAR	1660.11	891.89	896.02	895.41	896.08	0.001048	3.24	1189.45	1578.07
Main	13313.13	10-YEAR	2020.93	891.89	896.23	895.5	896.28	0.001061	3.41	1395.48	1761.96
Main	13313.13	25-YEAR	2680.54	891.89	896.46	895.00	896.49	0.000654	2.8	2425.9	1815.52
Main	13313.13		3711.05	801.80	806.00	805.87	806.05	0.000361	2.75	2790.00	1880 14
Main	12/190 22		1010.00	800.04	804.84	804.22	804.97	0.000497	2.07	979.25	820.01
Main	12409.32	5-YEAR	1660 11	890.94	895.28	894.22	895.31	0.000903	2.22	1242 94	859.91
Main	12489.32	10-YEAR	2020.93	890.94	895.49	894 48	895.52	0.000073	2.4	1425 75	872.4
Main	12489.32	25-YEAR	2680.54	890.94	895.87	894.62	895.91	0.000767	2.65	1767.96	901.75
Main	12489.32	50-YEAR	3136.88	890.94	896.12	894.7	896.17	0.000729	2.74	1995.38	924.43
Main	12489.32	100-YEAR	3711.05	890.94	896.43	894.82	896.48	0.000678	2.82	2287.48	954.92
Main	11810.37	2-YEAR	1019.99	889.89	894.11	893.46	894.15	0.001128	2.45	753.61	662.93
Main	11810.37	5-YEAR	1660.11	889.89	894.66	893.7	894.7	0.000881	2.59	1127.84	705.42
Main	11810.37	10-YEAR	2020.93	889.89	894.88	893.79	894.93	0.000871	2.73	1288.72	722.07
Main	11810.37	25-YEAR	2680.54	889.89	895.33	893.93	895.38	0.00077	2.86	1616.31	752.48
Main	11810.37	50-YEAR	3136.88	889.89	895.6	894.01	895.66	0.000726	2.94	1827.82	770.06
Main	11810.37	100-YEAR	3711.05	889.89	895.95	894.12	896.01	0.000667	3.01	2100.34	791.4
Main	11048.34	2-YEAR	1019.99	888.54	893.51	892.56	893.55	0.000548	2.52	845.53	548.47
Main	11048.34	5-YEAR	1660.11	888.54	894.1	892.88	894.15	0.000554	2.83	1183.97	587.09
Main	11048.34	10-YEAR	2020.93	888.54	894.27	893	894.33	0.00066	3.18	1283.67	605.26
iviain Moin	11048.34		2680.54	888.54	894.75	893.19	894.82	0.000651	3.4	1586.7	654.18
Main	11040.34		3130.08	000.04	095.U5 805 11	093.31 802 15	095.12 805.51	0.000631	3.5	2054 0	013.40 607 12
Main	10/01 67		1040.20	000.04 880.22	2030.44 203.33	203.40 202.47	803.01	0.00059	3.00 1.90	2004.9	570 26
Main	10491.67	5-YEAR	1655 51	880 33	803 81	892.17	2033.20 203 22	0.000321	1.09 2.12	1201 76	572.30 616.41
Main	10491 67	10-YFAR	1859.02	889.33	893 99	892.52	894 03	0.000407	2.12	1292 12	625 11
Main	10491 67	25-YEAR	2573 79	889.33	894 46	892.74	894 52	0.000493	2 49	1596.06	651 38
Main	10491.67	50-YEAR	3008.62	889.33	894.78	892.86	894.84	0.000469	2.57	1803.02	663.18
Main	10491.67	100-YEAR	3621.39	889.33	895.17	893.01	895.24	0.000465	2.74	2071.1	699.69
Main	9994.849	2-YEAR	1040.38	888.96	892.6	892.14	892.72	0.003242	3.53	423.02	353.68
Main	9994.849	5-YEAR	1655.51	888.96	893.34	892.42	893.44	0.002159	3.23	721.76	492.72
Main	9994.849	10-YEAR	1859.02	888.96	893.47	892.49	893.58	0.002191	3.36	789.21	527.29
Main	9994.849	25-YEAR	2573.79	888.96	893.97	892.74	894.09	0.001761	3.56	1066.67	608.4
Main	9994.849	50-YEAR	3008.62	888.96	894.34	892.88	894.45	0.001402	3.51	1290.71	670.29
Main	9994.849	100-YEAR	3621.39	888.96	894.79	893.01	894.89	0.001106	3.46	1623.29	705.64
Main	9348.257	2-YEAR	1040.38	886.5	891.47	890.24	891.63	0.001244	3.97	451.45	278.74
Main	9348.257	5-YEAR	1655.51	886.5	892.38	891.07	892.56	0.001163	4.35	804.77	559.64
Main	9348.257	10-YEAR	1859.02	886.5	892.65	891.19	892.79	0.000973	4.11	954.81	566.24
Main	9348.257	25-YEAR	2609.98	886.5	893.41	891.66	893.51	0.000694	3.76	1387.14	573.58
Main	9348.257	50-YEAR	3108.95	886.5	893.89	891.66	893.98	0.000577	3.62	1667.07	590.31
Iviain	9348.257	100-YEAR	3853.69	886.5	894.39	892.16	894.49	0.000544	3.73	1968.68	611.97

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	8535.745	2-YEAR	1110.14	883.31	890.71	887.92	890.85	0.000806	3.13	474.82	316.39
Main	8535.745	5-YEAR	1831.6	883.31	891.8	889.75	891.92	0.000598	3.24	938.09	522.13
Main	8535.745	10-YEAR	2073.5	883.31	892.16	889.96	892.27	0.000497	3.11	1130.69	535.23
Main	8535.745	25-YEAR	3011.67	883.31	892.99	890.67	893.1	0.000451	3.29	1587.5	612.39
Main	8535.745	50-YEAR	3762.11	883.31	893.48	891.17	893.6	0.000458	3.51	1878.73	695.17
Main	8535.745	100-YEAR	4523.9	883.31	894.01	891.49	894.13	0.000429	3.59	2303.52	750.64
Main	8163.841	2-YEAR	1110.14	883.31	890.57		890.61	0.000401	1.97	1028.54	2008.33
Main	8163.841		1831.6	002.21	891.82		891.83	0.000067	1.03	4312.57	2781.52
Main	0103.041	10-TEAR	2073.5	003.31	092.19		092.2	0.000046	0.9	7702 00	2700.7
Main	0103.041 9163 9/1	20-TEAR	3762 11	003.31	803.03		093.04 803.54	0.000032	0.04	01/1 92	2001.47
Main	8163 841	100-YEAR	4523.9	883.31	894.06		894.07	0.000029	0.00	10697 18	2934.04
Main	7636.001	2-YEAR	1142	884.96	890.5		890.5	0.000020	0.00	2445.37	1960.55
Main	7636.001	5-YEAR	1879.64	884.96	891.8		891.8	0.000035	0.67	5573.3	2763.67
Main	7636.001	10-YEAR	2136.68	884.96	892.18		892.18	0.000026	0.63	6616.9	2784.59
Main	7636.001	25-YEAR	3016.93	884.96	893.02		893.02	0.00002	0.62	8967.78	2793.12
Main	7636.001	50-YEAR	3721.8	884.96	893.52		893.52	0.000019	0.64	10365.6	2798.17
Main	7636.001	100-YEAR	4586.66	884.96	894.05		894.06	0.000018	0.68	11859.03	2803.56
Main	7577.233	2-YEAR	1142	885.66	890.46	888.84	890.49	0.000284	1.44	1114.96	1800.95
Main	7577.233	5-YEAR	1879.64	885.66	891.78	889.27	891.8	0.000108	1.2	2204.57	2533.17
Main	7577.233	10-YEAR	2136.68	885.66	892.16	889.4	892.17	0.000093	1.19	2515.58	2703.53
Main	7577.233	25-YEAR	3016.93	885.66	893	889.86	893.01	0.000086	1.3	3209.39	2764.19
Main	7577.233	50-YEAR	3721.8	885.66	893.49	890.05	893.51	0.000089	1.42	3619.26	2768.69
Main	7577.233	100-YEAR	4586.66	885.66	894.02	890.26	894.05	0.000094	1.55	4055.66	2773.47
Main	7257.233		Bridge								
Main	7131.875	2-YEAR	1142	884.45	890.06	887.97	890.09	0.000241	1.41	860.65	1652.09
Main	7131.875	5-YEAR	1879.64	884.45	891.42	888.4	891.45	0.000157	1.46	1357.77	2129.7
Main	7131.875	10-YEAR	2136.68	884.45	891.79	888.52	891.82	0.000146	1.51	1522.74	2443.07
Main	7131.875	25-YEAR	3016.93	884.45	892.62	888.85	892.67	0.000152	1.74	1893.89	2459.11
Main	7131.075	100-VEAR	3721.0 4586.66	004.40 884.45	893.03	889.34	803.09	0.000175	1.97	2075.02	2402.19
Main	7052.06		4300.00	994.45	800.07	887.06	800.07	0.000204	0.42	2203.01	2069.77
Main	7052.00	5-YEAR	1879.64	884.45	891.43	887.23	891.43	0.00001	0.42	7746 29	2000.77
Main	7052.00	10-YFAR	2136 68	884 45	891.8	887.25	891.8	0.000008	0.44	8573 45	2689.9
Main	7052.06	25-YEAR	3016.93	884.45	892.64	887.39	892.64	0.000007	0.48	11919.94	2704.99
Main	7052.06	50-YEAR	3721.8	884.45	893.06	887.5	893.06	0.000008	0.53	13040.6	2709.61
Main	7052.06	100-YEAR	4586.66	884.45	893.48	887.61	893.48	0.00001	0.59	14178.75	2714.28
Main	4367.346	2-YEAR	1150.24	878.81	889.99	883.25	890.02	0.000066	1.35	854.75	431.55
Main	4367.346	5-YEAR	1891.72	878.81	891.33	883.97	891.38	0.000093	1.8	1153.3	795.66
Main	4367.346	10-YEAR	2173.7	878.81	891.7	884.21	891.76	0.000102	1.95	1284.77	923.39
Main	4367.346	25-YEAR	3040.58	878.81	892.51	884.88	892.59	0.000134	2.38	1651.11	1148.52
Main	4367.346	50-YEAR	3695.12	878.81	892.9	885.38	893	0.000162	2.7	1858.97	1222.15
Main	4367.346	100-YEAR	4521.22	878.81	893.28	885.94	893.41	0.0002	3.08	2080.98	1286.54
Main	3910.738	2-YEAR	1150.24	878.53	889.99	882.27	890	0.000021	0.84	1366.51	250.28
Main	3910.738	5-YEAR	1891.72	878.53	891.33	882.85	891.35	0.000031	1.14	1911.6	688.83
Main	3910.738	10-YEAR	2173.7	878.53	891.7	883.06	891.72	0.000035	1.24	2119.76	845.12
Main	3910.738		3040.58	878.53	892.52	883.59	892.55	0.000044	1.47	3017.51	1047.7
Main	3910.730	100-YEAR	1521 22 1521 22	010.03 878 52	092.9 803 20	003.97 881 1	092.94 893 31	0.000003	1.00	3850 50	1107 54
Main	3035 572	2-YEAR	1150.24	877 12	880.04	882.24	880.07	0.000004	1.00	850 /6	150 10
Main	3035 572	5-YEAR	1891 72	877 13	891 25	883.08	891 3	0.000035	1.41	1068 42	570.06
Main	3035.572	10-YEAR	2173 7	877 13	891.6	883.35	891 67	0.000103	2 14	1143.04	918 79
Main	3035.572	25-YEAR	3040.58	877.13	892.4	884.12	892.48	0.000121	2.46	2132.55	1356
Main	3035.572	50-YEAR	3695.12	877.13	892.8	884.66	892.88	0.000126	2.57	2922.29	1414.69
Main	3035.572	100-YEAR	4521.22	877.13	893.18	885.28	893.26	0.000141	2.78	3463.29	1427.16
Main	1835.181	2-YEAR	1150.24	875.88	889.89	880.5	889.91	0.00004	1.2	957.34	151.26
Main	1835.181	5-YEAR	1891.72	875.88	891.16	881.52	891.2	0.00008	1.68	1128.69	295.73
Main	1835.181	10-YEAR	2173.7	875.88	891.49	881.87	891.54	0.000097	1.84	1179.84	374.83
Main	1835.181	25-YEAR	3040.58	875.88	892.25	882.77	892.33	0.000148	2.33	1335.3	734.43
Main	1835.181	50-YEAR	3695.12	875.88	892.59	883.39	892.7	0.000189	2.7	1440.7	771.41
Main	1835.181	100-YEAR	4521.22	875.88	892.9	884.08	893.05	0.000247	3.16	1544.29	816.9
Main	1162.53	2-YEAR	1150.24	873.72	889.89	879.56	889.89	0.000014	0.72	2000.78	280.87
Main	1162.53	5-YEAR	1891.72	873.72	891.15	881.42	891.17	0.000026	1.02	2352.32	370.39
Main	1162.53	10-YEAR	2173.7	873.72	891.49	881.69	891.5	0.000032	1.14	2458.96	490.67
Main	1162.53	25-YEAR	3040.58	873.72	892.23	882.39	892.26	0.000058	1.62	2/94.31	1114.61
Main	1162.53		3695.12	8/3./2	892.58	882.8	892.61	0.000074	1.87	2964.55	1303.51
wan	1102.53	100-YEAR	4521.22	8/3./2	892.89	883.28	892.94	0.000096	2.17	3211.11	1643.36

Table C.5		
Nugent Creek Results for Future Conditions ((SWMM	Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Main	1117.527	2-YEAR	1150.24	875.02	889.78	881.04	889.87	0.000221	2.35	488.69	77.01
Main	1117.527	5-YEAR	1891.72	875.02	890.98	882.79	891.12	0.00037	3.11	693.53	241.91
Main	1117.527	10-YEAR	2173.7	875.02	891.29	883.35	891.45	0.000412	3.35	773.87	268.36
Main	1117.527	25-YEAR	3040.58	875.02	891.96	884.86	892.19	0.000527	4.04	982.62	369.89
Main	1117.527	50-YEAR	3695.12	875.02	892.23	886.03	892.53	0.000664	4.65	1096.85	500.95
Main	1117.527	100-YEAR	4521.22	875.02	892.42	887.22	892.82	0.000884	5.45	1201.7	608.89
Main	1047.027		Culvert								
Main	984.0082	2-YEAR	1150.24	874.83	882.49	878.45	882.65	0.000436	3.21	358.44	70.01
Main	984.0082	5-YEAR	1891.72	874.83	884.25	879.53	884.5	0.000478	4.01	471.19	78.49
Main	984.0082	10-YEAR	2173.7	874.83	884.82	879.91	885.1	0.000493	4.28	507.44	81.22
Main	984.0082	25-YEAR	3040.58	874.83	886.35	880.82	886.67	0.0006	4.52	673.44	89.88
Main	984.0082	50-YEAR	3695.12	874.83	887.28	881.48	887.65	0.000676	4.86	761.03	99.69
Main	984.0082	100-YEAR	4521.22	874.83	888.32	882.22	888.74	0.000679	5.22	869.31	111.73
Main	920.2697	2-YEAR	1162.13	873.98	881.29		882.32	0.005243	8.13	142.88	39.13
Main	920.2697	5-YEAR	1909.39	873.98	882.81		884.11	0.005175	9.15	208.77	47.5
Main	920.2697	10-YEAR	2200.22	873.98	883.32		884.7	0.005101	9.42	233.58	50.31
Main	920.2697	25-YEAR	3071.45	873.98	884.6		886.2	0.005076	10.16	302.44	58.05
Main	920.2697	50-YEAR	3718.09	873.98	885.42		887.14	0.004933	10.54	353.34	65.37
Main	920.2697	100-YEAR	4545.73	873.98	886.23		888.19	0.004722	11.23	409.25	72.51
Main	525.4784	2-YEAR	1162.13	870.98	877.8	877.8	879.49	0.009765	10.45	111.18	32.7
Main	525.4784	5-YEAR	1909.39	870.98	879.28	879.28	881.36	0.009231	11.59	164.76	39.79
Main	525.4784	10-YEAR	2200.22	870.98	879.73	879.73	881.97	0.009202	11.99	183.45	41.98
Main	525.4784	25-YEAR	3071.45	870.98	881.01	881.01	883.53	0.008683	12.76	240.77	48.07
Main	525.4784	50-YEAR	3718.09	870.98	881.79	881.79	884.53	0.008526	13.29	279.76	51.81
Main	525.4784	100-YEAR	4545.73	870.98	882.61	882.61	885.68	0.008091	14.06	324.17	55.85
Main	154.246	2-YEAR	1162.13	866.71	873.59	873.57	875.32	0.009804	10.54	110.3	32.15
Main	154.246	5-YEAR	1909.39	866.71	875.07	875.07	877.2	0.009349	11.72	162.91	39.06
Main	154.246	10-YEAR	2200.22	866.71	875.58	875.58	877.82	0.009075	12.01	183.21	41.42
Main	154.246	25-YEAR	3071.45	866.71	876.86	876.86	879.4	0.008564	12.77	240.44	47.44
Main	154.246	50-YEAR	3718.09	866.71	877.56	877.56	880.41	0.008503	13.56	274.48	50.7
Main	154.246	100-YEAR	4545.73	866.71	878.43	878.43	881.61	0.007804	14.31	320.52	54.84

Rock Creek





cc (cfs) (tf)	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
RC 18605.55 5/YEAR 2007.49 910.56 0.00138 1.9 2444.92 1007.21 RC 18605.55 5/YEAR 517.29 902.49 911.7 911.75 0.000243 2.87 3508.40 1210.39 RC 18605.55 5/YEAR 781.04 902.49 911.7 911.75 0.000243 2.87 3508.40 1210.39 RC 18605.55 10/YEAR 781.04 902.49 912.46 912.53 0.000313 3.48 459.44 1468.61 RC 1784.7.37 5/YEAR 2305.16 1614.03 178.7 500.0003.31 5.54.44 1653.45 RC 1784.7.37 10/YEAR 510.48 912.46 911.45 911.49 911.20 0.000263 3.25 5471.47 170.44 1653.45 1784.37 10/YEAR 519.47.6 912.46 911.47 911.5 0.000263 3.25 5472.46 1163.47 110.47 100.022.23 4027.17 1707.54 1106.000112 110.77 <th></th> <th></th> <th></th> <th>(cfs)</th> <th>(ft)</th> <th>(ft)</th> <th>(ft)</th> <th>(ft)</th> <th>(ft/ft)</th> <th>(ft/s)</th> <th>(sq ft)</th> <th>(ft)</th>				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC 18605.S5 SYEAR 4007.92 902.49 911.32 911.38 0.000209 32.67 3988.49 12129 RC 18605.55 10-YEAR 6717.54 902.49 912.15 912.25 0.000283 32.84 4992.43 1411.54 RC 18605.55 10-YEAR 9519 802.49 912.46 912.26 0.000323 37.64 5686.5 1540.33 RC 17847.37 5YEAR 4110.80 802.49 911.46 911.25 0.000224 2.67 9394.62 1533.86 RC 17847.37 5YEAR 6719.73 902.49 911.85 912.03 0.000283 3.32 572.30 1668.5 RC 1780.38 5YEAR 672.73 1902.49 111.4 911.41 911.49 0.00025 3.32 572.30 1668.5 RC 17503.88 5YEAR 4110.89 1002.48 111.9 911.44 0.00025 2.48 4427.1 1562.52 1601.47 111.5 <	RC	18605.55	2-YEAR	2367.59	902.49	910.56	. ,	910.59	0.000139	1.94	2646.92	1087.32
RC 19605.55 10-YEAR 6717.52 902.49 911.75 0.000243 22.87 RC 19605.55 50-YEAR 781.04 902.49 912.46 912.58 0.000313 3.48 4599.44 1411.54 RC 19605.55 100-YEAR 291519 902.49 912.46 912.58 0.000313 3.48 4599.44 1468.15 RC 17847.37 5-YEAR 2302.49 11.58 911.58 0.000243 2.87 3944.44 1533.88 RC 17847.37 150-YEAR 721.44 902.49 911.58 0.000243 2.83 4247.41 153.81 RC 1787.37 150-YEAR 771.40 902.49 911.47 911.41 0.000141 143 1787.33 3189.76 1787.38 RC 17603.38 154.77.18 902.49 911.47 911.44 0.00022 2.84 4552.47 1644.76 RC 17503.38 10-YEAR 592.44 911.47 911.41 910.41	RC	18605.55	5-YEAR	4097.92	902.49	911.32		911.36	0.000209	2.57	3508.49	1210.39
RC 1660.5.5 50-YEAR 070.4 092.49 012.16 912.22 0.000289 32.24 4939.43 14145.16 RC 1860.55 100-YEAR 9119 002.49 912.86 0000342 37.6 5666.5 1500.83 RC 1784.737 5VFAR 4110.89 002.49 911.46 911.26 0.000242 2.67 3964.62 1539.86 RC 1784.737 5VFAR 4110.89 002.49 911.45 9112.05 0.000263 3.32 522.44 1683.16 RC 1784.737 5VFAR 672.73 200.44 911.45 911.03 0.000263 3.32 522.43 1686.5 RC 1763.88 5VFAR 6192.49 911.41 911.41 911.44 0.000263 3.32 522.44 1681.76 RC 17503.88 5VFAR 4110.89 902.48 911.41 911.41 90.00025 2.48 452.44 161.74 911.44 90.000022 2.56 465.24	RC	18605.55	10-YEAR	5175.29	902.49	911.7		911.75	0.000243	2.87	3986.63	1279.71
RC 18005 S5 0.0-YEAR 7810.41 902.40 912.46 912.80 0.000313 3.34 5020 sci 11466.16 RC 17647.37 SYEAR 23761 902.40 911.28 0.000172 2.47 3864.22 153.84 RC 17847.37 SYEAR 5149.47 902.40 911.54 911.81 0.000243 3.35 5441.04 1538.48 RC 17847.37 SOVERA 7672.73 202.49 911.54 911.85 0.000243 3.35 5441.04 1538.48 RC 1770.38 SVEAR 7672.73 0.000280 3.55 5471.74 1777.14 1772.73 0.00028 3.55 5471.74 1771.74 1777.14 1782.63 1680.57 1760.38 50.478.77 1590.62 1681.06 1760.38 50.486.57 1760.38 50.478.77 1592.63 1681.06 1770.38 50.486.57 1760.38 50.486.57 1760.38 50.486.57 1760.38 50.486.57 1670.497.71 1582.578.77 15	RC	18605.55	25-YEAR	6701.54	902.49	912.16		912.22	0.000289	3.26	4599.43	1411.54
RC 19805.55 100-YEAR 9919 902.49 912.86 912.86 912.40 910.46 0.000342 2.37.6 566.5 1540.83 RC 17847.37 2>VEAR 4110.85 902.40 911.16 911.21 0.00224 2.88 454.11 1533.86 RC 17847.37 2>VEAR 7581.47 902.40 911.54 911.23 0.00228 3.32 572.31 1668.55 RC 17847.37 0.00-YEAR 956.65 902.40 912.66 917.73 0.000333 3.35 6417.54 1797.54 RC 1703.88 5VEAR 4710.87 902.46 911.47 911.55 0.000333 3.36 6477.53 1668.57 RC 1703.88 5VEAR 7501.46 902.46 911.47 911.5 0.00024 3.40 1532.74 1668.55 1669.47 1532.63 1600.72 2.84 4975.1 1688.56 1670.43 0.00022 2.84 4975.1 1680.43 1532.63 1664.43	RC	18605.55	50-YEAR	7810.41	902.49	912.46		912.53	0.000313	3.48	5029.64	1466.16
PC 17947.37 2-VEAR 2375.16 902.40 911.46 911.21 000024 2.57 386.45 1411.7 RC 17947.37 10-VEAR 5104.76 902.40 911.56 911.21 0000245 2.57 386.4541.04 1583.18 RC 17947.37 25-VEAR 7672.13 902.40 911.26 912.23 0000289 3.51 552.44 1594.75 RC 17947.37 25-VEAR 7874.16 902.40 911.26 912.23 0000289 3.51 552.773.6 1693.26 RC 17953.38 2-VEAR 2375.18 902.44 911.47 911.41 0.00161 1.94 1593.76 1509.22 RC 17953.38 15-VEAR 677.32 902.44 911.51 911.41 0.00172 1.44 384.377.1 1694.76 1693.47 RC 17053.38 150-VEAR 676.53 902.42 911.50 911.81 0.000224 3.80 1634.33 1666.76 1693.44 91	RC	18605.55	100-YEAR	9519	902.49	912.88		912.96	0.000342	3.76	5666.5	1540.83
PC 17847.37 5.Y-EAR 411.08 902.40 911.15 911.21 0.00224 2.28 4364.62 1539.88 RC 17847.37 10.YEAR 6502.40 911.54 911.53 0.00228 3.25 557.25 1663.55 RC 17047.37 10.YEAR 956.63 902.49 912.26 0.00303 3.35 647.7.51 1663.55 RC 1703.88 5.YEAR 4707.14 0.902.48 911.47 911.54 0.00303 3.35 647.7.51 1668.55 RC 1703.88 5.YEAR 410.85 902.48 911.47 911.54 0.00112 2.88 4552.47 1604.75 1682.63 RC 1703.88 5.YEAR 772.12 902.48 911.55 912.64 0.00225 2.28 4552.47 1604.75 1673.43 1673.43 1687.63 1573.43 1673.44 3.461.75 1573.44 1573.44 1573.44 1573.44 1573.44 1573.44 1573.43 1573.44 1573.14	RC	17847 37	2-YEAR	2375 18	902.49	910.46		910.48	0.000172	2 19	2905 15	1411 7
C 178/17.37 14-YEAR 1914.76 902.48 911.58 911.58 9000035 3.15 4541.00 153.7 RC 178/17.37 ZS-YEAR 797.10 YeAR 971.23 900240 912.23 90000303 3.53 5772.6 1665.7 RC 17803.38 ZYEAR 2375.18 902.44 912.468 912.27 90000303 3.53 6417.94 1169.7 RC 17303.88 ZYEAR 4318.76 902.44 911.47 911.54 0.00021 2.38 4277.11 1562.23 RC 17303.88 DYEAR 7411.14 902.44 911.57 912.24 0.00024 3 6615.97 1643.36 RC 17303.88 DYEAR 7365.63 902.44 911.57 910.24 0.00027 1.44 394.03 1383.76 RC 17068.85 2YEAR 630.47 902.42 911.41 911.45 0.00027 1.44 476.73 1441.14 166.0000072 1.44 <td< td=""><td>RC</td><td>17847.37</td><td>5-VEAR</td><td>/110.89</td><td>902.49</td><td>011 18</td><td></td><td>011 21</td><td>0.000772</td><td>2.13</td><td>3964.62</td><td>1530.88</td></td<>	RC	17847.37	5-VEAR	/110.89	902.49	011 18		011 21	0.000772	2.13	3964.62	1530.88
C 178/1.37 25-YEAR 1727.22 902.48 911.98 912.23 0.000365 3.15 534.44 163.17 CC 17361.37 50-YEAR 93556.65 902.44 912.25 912.23 0.000363 3.25 6417.54 17663.5 CC 17363.88 2-YEAR 2375.18 902.48 911.41 911.43 0.000132 2.28 4853.17 1661.05 RC 17303.88 10-YEAR 519.476 902.48 911.47 911.5 0.00025 2.28 4853.17 1661.05 RC 17303.88 DYEAR 7841.14 902.48 912.25 912.24 0.00025 3.22 6867.98 1679.34 RC 17068.85 2-YEAR 2902.42 911.05 911.07 0.00026 3.22 6879.98 1679.34 RC 17068.85 2-YEAR 4110.89 902.42 911.05 911.07 0.00017 2.25 5314.49 1443.13 RC 17068.85 2-YEAR	RC	17847.37		5194 76	902.49	911.10		011.58	0.000224	2.07	4541.04	1583.18
C 176/17.37 50. YEAR 798.114 912.27 912.23 0.000303 3.25 577.26 1766.32 RC 17760.38 2-YEAR 9556.65 902.46 911.41 910.43 0.000313 3.55 6417.54 1707.54 RC 17760.38 2-YEAR 4519.476 902.48 911.41 911.44 0.00014 1.94 318.76 1609.42 RC 17760.38 2-YEAR 6727.32 902.48 911.91 911.94 0.00024 34 601.87 1648.06 RC 17760.38 DeVEAR 784.14 902.48 912.19 912.24 0.00024 33 601.87 1648.06 RC 17706.88 5-YEAR 7471.14 902.42 911.05 911.07 0.000107 1.44 4984.03 133.78 1443.16 RC 17068.85 D-YEAR 7514.94 902.42 911.47 911.35 0.00173 2.25 534.64 1454.44 5474.47 741.14 902.42	RC	17847 37	25-YEAR	6727 32	902.49	911.94		912.03	0.000240	3 15	5248.4	1634 75
PC 179/137 100-YEAR 9356-63 902.48 912.88 912.73 0.000303 3.55 6417.84 1775.44 RC 17503.88 5-YEAR 2375.18 902.48 910.41 910.43 0.00014 1.94 3189.76 1599.20 RC 17503.88 10-YEAR 519.76 902.48 911.91 911.94 0.00012 2.84 4655.47 1681.05 RC 17503.88 50-YEAR 672.73 902.48 912.26 0.000225 2.84 6671.96 3.23 6671.96 3.23 6671.96 3.23 6671.96 3.23 6671.96 3.33 787.76 1679.34 1679.34 1679.34 1679.34 1670.38 500224 911.06 911.07 0.00025 3.23 6671.96 3.333 785.78 1670.58 594.62 1554.22 1643.44 1698.74 1744.134 910.45 910.35 910.36 910.35 0.00072 2.33 7197.27 1656.44 142.47 16454.44 1644.44	RC	17847 37	50-YEAR	7841 14	902.49	912 27		912.00	0.000205	3 32	5723.6	1668 5
RC 17503.88 2-YEAR 2375.18 902.48 910.41 910.43 0.00013 1.04 3189.76 1602.76 RC 17503.88 5-YEAR 5191.76 902.48 911.11 911.44 0.00013 2.28 4277.1 1582.83 RC 17503.88 5-YEAR 5191.76 902.48 911.91 911.34 0.00022 2.68 4855.41 1681.05 RC 17503.88 50-YEAR 7867.81 902.42 911.05 912.24 0.00024 3.6018.67 1683.05 1683.05 1683.05 1683.05 1683.05 1683.05 1683.05 1697.84 1496.16 911.07 0.000172 2.53 5046.61 1563.42 17068.85 50-YEAR 1491.44 92.42 911.45 910.30 0.000131 2.25 5346.61 1563.42 1673.43 1448.15 1563.75 6376.67 1563.75 6376.67 1563.75 6376.67 1563.75 6376.67 1563.72 1663.65 1664.44 1648.44 1644.44	RC	17847.37	100-YEAR	9556.63	902.49	912.68		912.02	0.000303	3 53	6417 54	1707 54
NC 17503.88 5 YEAR 4110.89 002.40 911.11 911.42 0.000255 2.28 4227.1 1684.30 RC 17503.88 50.VEAR 7841.14 902.42 910.37 910.38 0.000252 2.24 6867.99 1673.34 RC 17069.85 5YEAR 4217.61 902.42 911.41 911.43 0.000172 2.45 553.46 173.34 1448.6 10.00116 1.56 4276.75 1564.82 RC 17069.85 50.VEAR 7741.14 902.42 911.45 911.35 0.00022 5.553.55 5646.61 1564.82 RC 16464.44 2VEAR 6275.27 902.42 912.45 0.000047	RC	17503.88	2-VEAR	2375.18	902.18	910.41		910.43	0.00014	1.00	3189.76	1509.02
NC 17:00.38 10 - VEAR 519:17 911:17 911:18 0.0002 2.58 485.47 160.476 RC 17503.88 10-VEAR 519:17 902.48 911:19 911:34 0.00022 2.84 485.47 1604.76 RC 17503.88 100-VEAR 9956.63 902.48 912.59 912.64 0.00022 3.23 6687.99 1679.34 RC 17069.85 5-VEAR 2471.7 902.42 911.05 911.07 0.000172 1.44 3840.3 1393.76 RC 17069.85 5-VEAR 4110.89 902.42 911.41 911.43 901.033 0.000172 2.53 5946.61 1594.42 RC 17069.85 50-VEAR 741.14 902.42 912.43 910.33 0.000047 1.18 4442 1603.65 RC 16454.44 2-YEAR 2475.18 901.96 911.35 910.33 0.000047 1.18 4442 1603.65 RC 16454.44 10-VEAR 9547.65 901.65 911.35 9101.35 0.000061 1.66	PC	17503.88		4110.80	002.40	011 11		011 14	0.00014	2.39	4277 1	1582.63
No. 17.00.88 20*LEAR 672.03 91.1.3 91.1.3 0.000225 2.2.44 555.24 105.11 RC 17503.88 50.*FEAR 7841.14 902.24 912.19 912.23 0.00025 2.244 555.24 1683.05 RC 17503.88 50.*FEAR 7841.14 902.42 910.37 910.38 0.000225 2.245 555.246 6687.99 1673.34 RC 17068.85 52.YEAR 4216.89 902.42 911.06 911.07 0.000116 1.35 4796.73 1441.81 RC 17068.85 50.*EAR 7727.2 902.42 911.41 911.35 0.000122 2.55 594.66 1564.82 RC 17068.85 50.*EAR 7741.14 902.42 912.43 910.35 0.000222 3.01701.77 1664.84 RC 17068.85 50.*EAR 741.14 902.42 912.35 0.000022 1.164.54 1646.44 1442.1603.65 1664.84 16666.8 902.42 911.35<	RC PC	17503.88		5104 76	902.40	911.11		011.5	0.000102	2.50	4277.1	1604.76
NC 17503.88 CO-YEAR 7841.14 902.48 912.19 912.25 0.00024 0.012.57 1648.06 RC 17503.88 100-YEAR 9566.63 902.42 910.37 910.38 0.000072 1.44 3840.30 1667.34 RC 17089.85 5-YEAR 1471.64 902.42 911.07 0.00016 1.95 44796.73 1444.181 RC 17089.85 5-YEAR 6727.32 902.42 911.41 911.43 0.000172 2.53 5946.61 1554.42 RC 17089.85 100-YEAR 7814.14 902.42 912.49 912.53 0.000047 1.18 442 1603.65 RC 16454.44 5-YEAR 7819.81 901.96 911.35 911.36 0.000047 1.18 442 1603.65 RC 16454.44 5-YEAR 781.14 909.96 911.75 911.77 0.00113 2.32 723.03 1714.24 RC 16454.44 10-YEAR 563.90.96	RC	17503.88	25-VEAR	6727 32	902.40	011 Q		011.0/	0.0002	2.50	5552 94	1631.05
NC 17503.88 100-YEAR 9556.63 902.48 912.59 912.46 0.000259 3.2.2 667.73 14.44 RC 17089.35 S-YEAR 2375.18 902.42 910.37 910.33 0.000259 3.2.2 667.73 14.44 3840.3 1363.76 RC 17089.35 S-YEAR 5114.76 902.42 911.41 911.43 0.000172 1.4.4 3840.3 1363.76 RC 17089.35 SO-YEAR 727.23 902.42 911.41 911.43 0.000172 2.2.5 5346.64 1554.82 RC 17089.35 SO-YEAR 7861.41 902.42 912.41 912.35 0.00022 0.30 7019.72 1664.84 RC 16454.44 SYEAR 672.73.2 901.96 911.35 911.36 0.000101 1.89 502.53 703.72 1664.34 10.748.74 1640.34 10.748.74 901.96 911.75 911.77 0.00012 2.15 6790.25 173.72 713.72	RC	17503.88	50-VEAR	78/1 1/	902.40	012 10		012.23	0.000223	2.04	6015.87	1648.06
1000000000000000000000000000000000000	RC	17503.88	100-YEAR	9556.63	902.48	912.10		912.20	0.00024	3 23	6687.99	1679 34
NC 17069.85 5-YEAR 4110.89 902.42 910.07 310.07 0.000102 1.44 1.47 376.73 1441.81 RC 17069.85 10-YEAR 519.76 902.42 911.41 911.43 911.44 912.43 912.43 912.43 912.43 910.95 900.96 911.35 910.95 910.95 911.75 911.75 911.75 911.75 911.75 911.75 911.74 910.96 912.44 912.44 910.96 912.44 910.94 900.96 911.35 911.35 911.36 0.00015 2.56 790.25 1736.22 1736.22 1736.22 174.34 807.93 914.44 910.94 900.96 911.75 911.77 911.77 911.77 911.77 911.77 911.77 911.77	RC	17060.85		2375.18	002.40	010.37		010.38	0.000203	1.44	3840.3	1363 78
N.C. 17.000 10 10 10 10 10 10 10 10 10 10 10 10	RC	17060.95		1110 201	002.42	011 06		011 07	0.000072	1.44	1706 72	1//1 01
RC 17089.50 101 FAR 519.7.0 902.42 911.41 911.43 911.45 0.000139 2.2.5 532.49 1480. RC 17069.85 50-YEAR 77241.14 902.42 912.1 912.13 910.23 0.000193 2.75 6378.67 1598.4 RC 1669.85 100-YEAR 956.63 902.42 912.43 912.33 0.000247 1.18 4442 1603.65 RC 16454.44 5-YEAR 4310.89 901.96 911.35 911.36 0.000161 1.88 6104.15 1690.62 RC 16454.44 10-YEAR 7519.76 911.75 911.77 911.77 911.74 0.000165 2.56 7900.55 1735.28 RC 16660.2 2-YEAR 6727.32 901.86 910.33 910.34 0.000023 0.87 6073.32 2134.67 RC 16060.2 10-YEAR 5240.47 901.88 910.93 910.90 9.000023 0.87 667.03 22.737.81 RC 16060.2 50-YEAR 791.34 901.88 911.72 <td>RC BC</td> <td>17069.85</td> <td></td> <td>4110.09 5104.76</td> <td>902.42</td> <td>911.00</td> <td></td> <td>911.07</td> <td>0.000110</td> <td>1.90</td> <td>4790.73 5212.40</td> <td>1441.01</td>	RC BC	17069.85		4110.09 5104.76	902.42	911.00		911.07	0.000110	1.90	4790.73 5212.40	1441.01
NC 17063.85 50-YEAR 7841.14 902.42 911.0J 911.03 0.000113 2.75 6378.67 11998.81 RC 17069.85 100-YEAR 9556.63 902.42 912.43 0.000123 2.76 6378.67 11998.81 RC 16454.44 5-YEAR 4110.89 901.96 911.35 911.36 0.0000247 1.18 4442 1603.65 RC 16454.44 10-YEAR 6172.32 901.96 911.35 911.36 0.000121 2.215 6790.25 1703.72 RC 16454.44 10-YEAR 7856.63 901.96 912.01 912.44 0.000125 2.26 7743.03 1714.24 RC 16464.44 10-YEAR 8556.63 901.88 910.33 910.44 0.000023 0.07 6073.32 2134.67 RC 16060.2 5-YEAR 412.77 901.88 911.32 911.33 0.00005 1.41 854.35 2634.33 RC 16060.2 50-YEAR 791.34 901.88 911.72 911.73 0.000062 1.62 961.	RC PC	17069.85		6727 22	902.42	011.93		011.45	0.000139	2.2	5046 61	1554.82
NC 1706385 100-YEAR 9556.63 902.42 912.43 912.53 0.000222 3.03 7019.72 1664.84 RC 16454.44 2-YEAR 2375.18 901.96 910.34 910.35 0.000047 1.18 4442 1603.05 RC 16454.44 2-YEAR 5194.76 901.96 911.35 911.36 0.000106 1.69 5252.52 1680.03 RC 16454.44 2-YEAR 6727.32 901.96 911.75 911.77 901.97 0.000136 2.32 7243.03 1714.24 RC 16454.44 10-YEAR 7581.14 901.96 912.01 912.24 900.000136 2.32 7243.03 1714.24 RC 16060.2 2-YEAR 2349.99 901.88 910.98 910.99 910.00002 0.00002 1.25 7667.14 2607.33 RC 16060.2 10-YEAR 5240.47 901.88 911.72 911.33 0.000062 1.25 7667.14 2607.33 RC 16060.2 50-YEAR 791.34 901.89 911.32 911.3	RC PC	17069.85	50-VEAR	78/1 1/	902.42	911.03		911.03	0.000172	2.55	6378.67	1509.91
No. 100121 20123 20133	RC	17069.85	100-VEAR	9556.63	902.42	912.1		912.13	0.000193	2.73	7010 72	1664.88
NC 16454.44 5-YEAR 210.01 910.30 910.34 910.20 0.000086 1.16 5425.32 1800.02 RC 16454.44 10-YEAR 5194.76 901.96 911.35 911.36 0.00012 2.15 6790.25 1703.72 RC 16454.44 55-YEAR 6727.32 901.96 911.75 911.77 0.00012 2.21 6790.25 1703.72 2134.67 RC 16454.44 100-YEAR 9566.63 901.98 910.33 910.34 0.000023 0.87 6073.32 2134.67 RC 16060.2 2-YEAR 2394.99 901.88 911.32 911.33 0.000053 1.62 961.09 2676.9 RC 16060.2 10-YEAR 5240.47 901.88 911.29 911.73 0.000059 1.41 843.52 273.93 271.83 273.91 1843.53 273.91 1134.53 273.91 1143.53 273.91 184.532.60.20 255.88 RC 15994 10-YEAR <td< td=""><td>RC</td><td>16454 44</td><td></td><td>2375.18</td><td>902.42</td><td>912.49</td><td></td><td>912.33</td><td>0.000222</td><td>1 18</td><td>1019.12</td><td>1603.65</td></td<>	RC	16454 44		2375.18	902.42	912.49		912.33	0.000222	1 18	1019.12	1603.65
NC 1645.4.4 10.YEAR 110.36 91.35 911.35 911.36 0.000101 1.89 6104.15 1600.03 RC 16454.44 25-YEAR 6727.32 901.96 911.75 911.77 0.000126 2.2 724.30 1774.24 RC 16454.44 50-YEAR 7841.14 901.96 912.01 912.44 912.43 0.000135 2.56 7900.55 1736.28 RC 16060.2 2-YEAR 2394.99 901.88 910.33 910.34 0.000023 0.87 6073.32 2134.67 RC 16060.2 2-YEAR 5240.47 901.88 911.32 911.33 0.000042 1.42 676.9 2676.9 RC 16060.2 2-YEAR 678.9 911.88 911.32 911.33 0.000062 1.62 9610.09 2676.9 2701.89 RC 16060.2 50-YEAR 791.34 901.88 911.33 900.33 0.000049 1.35 6374.79 2499.28 2707.19		16454.44		2373.10	901.90	910.34		910.55	0.000047	1.10	5525 22	1690.02
RC 16454.44 25-YEAR 6727.32 901.96 911.75 911.77 0.00012 2.15 6790.25 1703.72 RC 16454.44 50-YEAR 7841.14 901.96 912.01 912.04 0.000136 2.32 7243.03 1714.24 RC 16454.44 100-YEAR 9256.63 901.96 912.24 912.43 0.000152 2.56 7900.55 1736.28 RC 16060.2 2-YEAR 2394.99 901.88 910.33 910.34 0.000021 1.25 757.14 267.57.14 267.57.14 267.57.14 267.57.14 267.57.9 267.59.3 277.82 786.34.39 911.32 911.33 0.000062 1.62 9610.09 2676.9 277.82 911.34 901.88 911.25 911.33 0.000079 1.22 1345.53 2737.91 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000081 1.84 5326.02 255.88 273.91 RC 15994 2-YEAR 6449.14 901.67 911.39 0.000124 2.4 <td>RC BC</td> <td>16454.44</td> <td></td> <td>5104.76</td> <td>901.90</td> <td>911</td> <td></td> <td>911.02</td> <td>0.000080</td> <td>1.09</td> <td>6104 15</td> <td>1600.03</td>	RC BC	16454.44		5104.76	901.90	911		911.02	0.000080	1.09	6104 15	1600.03
NC 1645.4.4 50.YEAR 7941.14 901.96 912.01 912.04 912.04 912.04 900135 2.56 7900.55 1736.23 1736.23 RC 16650.2 2-YEAR 2394.99 901.86 910.33 910.94 0.000136 2.56 7900.55 1736.28 RC 16060.2 5-YEAR 4142.77 901.88 910.99 0.000023 0.87 6073.32 2134.67 RC 16060.2 25-YEAR 6789.4 901.88 911.32 911.33 0.000065 1.41 8543.35 2634.93 RC 16060.2 250-YEAR 7781.34 901.88 911.92 911.73 0.000065 1.41 8543.32 2737.91 RC 16060.2 20-YEAR 7811.34 901.88 911.92 911.33 0.000079 1.22 1343.53 2737.91 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 249.28 RC 15994 10-YEAR 5240.47 901.67 911.39	RC PC	16454.44		6727 22	901.90	911.33		911.30	0.000101	2 15	6700.25	1703 72
NG 104-1-14 501-LAR 703-114 301-30 312-01 912-04 00.00150 2.22 122-03 1173-228 RC 16454.44 100-YEAR 2394-99 901.88 910.33 910.34 0.000155 2.66 6073.32 213467 RC 16060.2 2-YEAR 4142.77 901.88 910.33 910.34 0.000052 1.41 8543.35 2634.39 RC 16060.2 25-YEAR 6789.4 901.88 911.72 911.73 0.000062 1.62 9610.09 2676.9 RC 16060.2 100-YEAR 9645.11 901.88 911.23 911.33 0.000062 1.62 9610.09 2676.9 RC 15994 10-YEAR 2340.47 901.87 910.32 900.80 910.33 0.0000049 1.34 4337.69 2499.28 RC 15994 10-YEAR 5240.47 901.67 910.37 910.38 0.00014 1.35 4337.69 2499.28 2555.88	RC PC	16454.44		78/1 1/	901.90	911.75		911.77	0.000122	2.13	7243.03	1703.72
NC 10404-W 100-14-W 10	RC	16454 44		9556.63	901.90	912.01		912.04	0.000155	2.52	7245.05	1736.28
NC 1000022 2-1EAR 203-03 010-03 <td>RC</td> <td>16060.2</td> <td>2-VEAR</td> <td>2394.99</td> <td>901.88</td> <td>910 33</td> <td></td> <td>910.34</td> <td>0.000023</td> <td>0.87</td> <td>6073 32</td> <td>2134.67</td>	RC	16060.2	2-VEAR	2394.99	901.88	910 33		910.34	0.000023	0.87	6073 32	2134.67
RC 16060.2 10-YEAR 5240.47 901.83 911.32 911.33 0.00002 1.1.2 1601.14 2603.02 RC 16060.2 25-YEAR 6789.4 901.88 911.72 911.73 0.000062 1.62 9610.09 2676.9 RC 16060.2 100-YEAR 7911.34 901.88 911.32 911.33 0.000069 1.74 1031.56 2701.89 RC 15994 2-YEAR 2384.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 2499.28 RC 15994 5-YEAR 4142.77 901.67 910.37 900.031 1.84 5326.02 2555.88 RC 15994 10-YEAR 6789.4 901.67 911.7 907.55 911.72 0.000124 2.4 6454.6 2602.24 2268.21 RC 15994 50-YEAR 7911.34 901.67 911.79 90.0014 2.6 6883.64 2622.42 2 28 284.42 2854.82 266.26 26 284 2664.26 266.26 26	RC	16060.2	5-YEAR	4142 77	901.88	910.93		910.94	0.000023	1 25	7657 14	2607 38
RC 16060.2 25-YEAR 6789.4 901.88 911.72 911.73 0.000062 1.62 9610.09 2676.9 RC 16060.2 50-YEAR 7911.34 901.88 911.22 911.73 0.000062 1.62 9610.09 2676.9 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 2499.28 RC 15994 5-YEAR 4142.77 901.67 911.32 0.000049 1.35 4347.69 2499.28 RC 15994 10-YEAR 5240.47 901.67 911.79 907.55 911.72 0.000124 2.4 6454.6 2605.26 RC 15994 10-YEAR 6789.4 901.67 911.32 908.27 912.36 0.00014 2.6 6658.64 2622.42 RC 15690.23 2-YEAR 7911.34 901.67 910.43 90.00163 2.88 7444.68 2654.82 RC 15690.23<	RC	16060.2	10-YEAR	5240 47	901.88	911.32		911.33	0.00005	1.20	8548.35	2634.39
RC 16060.2 50-YEAR 7911.34 901.85 911.9 912 0.000069 1.74 10315.6 2701.89 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 2499.28 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 2499.28 RC 15994 10-YEAR 5240.47 901.67 911.3 907.09 911.32 0.000049 1.84 5326.02 2558.8 RC 15994 10-YEAR 6789.4 901.67 911.7 907.55 911.72 0.00014 2.6 6858.64 2654.82 RC 15994 100-YEAR 9645.11 901.67 911.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15690.23 5-YEAR 1744.77 901.59 910.63 908.05 910.65 0.000163 2.88 7444.68 2654.82 RC 15690.23 10-YEAR 5240.	RC	16060.2	25-YEAR	6789.4	901.88	911 72		911 73	0.000062	1.62	9610.09	2676.9
RC 16060.2 100-YEAR 9445.11 901.83 912.38 0.000079 1.92 11343.53 2737.91 RC 15994 2-YEAR 2394.99 901.67 910.32 905.88 910.33 0.000079 1.82 11343.53 22737.91 RC 15994 5-YEAR 4142.77 901.67 910.37 900.73 910.98 0.000081 1.84 5326.02 2555.88 RC 15994 10-YEAR 5240.47 901.67 911.3 907.05 911.72 0.000124 2.4 6454.6 2605.26 RC 15994 50-YEAR 7911.34 901.67 911.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15854 Bridge	RC	16060.2	50-YEAR	7911.34	901.88	911 99		912	0.000069	1.02	10315.6	2701 89
RC 15994 2-YEAR 239.99 901.67 910.32 905.88 910.33 0.000049 1.35 4347.69 2499.28 RC 15994 5-YEAR 4142.77 901.67 910.97 906.73 910.98 0.000099 2.08 5843.22 2555.88 RC 15994 10-YEAR 5240.47 901.67 911.3 907.09 911.32 0.000099 2.08 5843.22 2580.81 RC 15994 25-YEAR 6789.4 901.67 911.39 907.55 911.72 0.00014 2.6 6858.64 2622.42 RC 15994 100-YEAR 9645.11 901.67 911.39 906.78 910.14 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.63 908.05 910.64 0.000168 2.01 4437.71 1476.54 RC 15690.23 5-YEAR 6789.4 901.59 911.67 909.01 911.73 0	RC	16060.2	100-YEAR	9645.11	901.88	912.36		912.38	0.000079	1.92	11343.53	2737.91
NG 10304 2-1-ER 21-54-53 301.37 310.30 310.30 10304 1.34 5326.02 24352.02 RC 15994 10-YEAR 5240.47 901.67 911.3 907.09 911.32 0.000081 1.34 5326.02 2555.88 RC 15994 25-YEAR 6789.4 901.67 911.3 907.05 911.72 0.000124 2.4 6454.6 2652.22 RC 15994 50-YEAR 7911.34 901.67 911.32 907.85 911.99 0.000163 2.88 7444.68 2654.82 RC 15894 100-VEAR 9645.11 901.67 911.32 908.75 910.41 0.000163 2.88 7444.68 2654.82 RC 15890.23 2-YEAR 2394.99 901.59 910.63 908.05 910.65 0.000163 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 911.83 908.05 910.42 0.00014 2.35 4745.22 1549.53 RC 15690.23 10-YEAR	RC	1500/	2-VEAR	2394.99	901.67	910 32	905.88	910 33	0.000049	1.35	1347.69	2/00 28
RC 1594 10-YEAR 542.047 901.67 911.3 907.09 911.32 0.000099 2.08 5843.22 2580.81 RC 15994 50-YEAR 6789.4 901.67 911.7 907.55 911.72 0.000124 2.4 6454.6 2605.26 RC 15994 50-YEAR 7911.34 901.67 911.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.13 906.78 910.14 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.63 908.43 910.93 0.00014 2.35 4745.22 1549.53 RC 15690.23 10-YEAR 5240.47 901.59 910.63 908.43 910.93 0.00014 2.35 4745.22 1549.53 RC 15690.23 10-YEAR 5240.47 901.59 911.37 909 911.42 0.000192 2.81 5065.96 1564.23 RC 15690.23	RC	15994	5-YEAR	4142 77	901.67	910.97	906.73	910.98	0.000043	1.00	5326.02	2555.20
RC 15994 25-YEAR 6789.4 901.67 911.7 907.55 911.22 0.000124 2.4 6454.6 2605.26 RC 15994 50-YEAR 7911.34 901.67 911.75 907.85 911.99 0.00014 2.6 6858.64 2622.42 RC 15894 100-YEAR 9645.11 901.67 912.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.63 906.78 910.14 0.000055 1.38 3861.49 14437.71 1476.54 RC 15690.23 5-YEAR 4142.77 901.59 910.63 908.05 910.65 0.000108 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 911.37 909 911.42 0.000122 2.81 5065.96 1564.23 RC 15690.23 10-YEAR 791.34 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1574.19 RC 1	RC	15994	10-YEAR	5240 47	901.67	911.3	907.09	911.32	0.000099	2.08	5843 22	2580.81
RC 1594 50-YEAR 7911.34 901.67 912.32 907.85 911.99 0.00014 2.6 6858.64 2622.42 RC 15994 100-YEAR 9645.11 901.67 912.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.13 906.78 910.14 0.000055 1.38 3861.49 1448.34 RC 15690.23 5-YEAR 4142.77 901.59 910.63 908.43 910.93 0.00014 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 911.18 908.86 911.22 0.000192 2.81 5065.96 1564.23 RC 15690.23 10-YEAR 9645.11 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1574.19 RC 15631.43 2-YEAR 2394.99 901.4 910.33 0.000042 1.2	RC	15994	25-YEAR	6789.4	901.67	911.7	907.55	911.72	0.000124	2.00	6454.6	2605.26
RC 1594 100-YEAR 9645.11 901.67 912.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15894 100-YEAR 9645.11 901.67 912.32 908.27 912.36 0.000163 2.88 7444.68 2654.82 RC 15690.23 2-YEAR 2394.99 901.59 910.13 906.78 910.14 0.000055 1.38 3861.49 1448.34 RC 15690.23 5-YEAR 4142.77 901.59 910.63 908.05 910.65 0.000108 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 911.18 908.86 911.22 0.000192 2.81 5065.96 1564.23 RC 15690.23 100-YEAR 9645.11 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1574.19 RC 15631.43 2-YEAR 2394.99 901.4 910.3 910.13 0.00022	RC	15994	50-YEAR	7911.34	901.67	911 95	907.85	911 99	0.00014	2.6	6858 64	2622 42
RC 18854 Bridge Control Contro Control Control	RC	15994	100-YEAR	9645.11	901.67	912.32	908.27	912.36	0.000163	2.88	7444 68	2654.82
RC 15690.23 2-YEAR 2394.99 901.59 910.13 906.78 910.14 0.000055 1.38 3861.49 1448.34 RC 15690.23 5-YEAR 4142.77 901.59 910.63 908.05 910.65 0.000108 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 910.9 908.43 910.93 0.00014 2.35 4745.22 1549.53 RC 15690.23 25-YEAR 6789.4 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1564.23 RC 15690.23 100-YEAR 9645.11 901.59 911.67 909.01 911.73 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000042 1.2	RC	15854		Bridge								
RC 15600.23 5-YEAR 4142.77 901.59 910.63 908.05 910.65 0.000108 2.01 4437.71 1476.54 RC 15690.23 10-YEAR 5240.47 901.59 910.63 908.05 910.65 0.000108 2.01 4437.71 14437.71 14437.71 14437.71 14437.71 14437.71 14437.71 1476.54 RC 15690.23 20-YEAR 6789.4 901.59 911.18 908.86 911.22 0.000192 2.81 5065.96 1564.23 RC 15690.23 50-YEAR 7911.34 901.59 911.67 909.01 911.73 0.000228 3.11 5283.69 1574.19 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000279 3.51 5625.91 1589.84 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 10-YEAR 5240.47 901.4 911.37 911.4 0.000174 2.71 6247.03	RC	15690 23	2-YEAR	2394 99	901 59	910 13	906 78	910 14	0.000055	1.38	3861 49	1448.34
RC 15690.23 10-YEAR 5240.47 901.59 910.9 908.43 910.93 0.00014 2.35 4745.21 1549.53 RC 15690.23 25-YEAR 6789.4 901.59 911.18 908.86 911.22 0.000192 2.81 5065.96 1564.23 RC 15690.23 50-YEAR 7911.34 901.59 911.47 909 911.42 0.000228 3.11 5283.69 1574.19 RC 15690.23 100-YEAR 9645.11 901.59 911.67 909.01 911.73 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.00042 1.2 4386.31 1418.88 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 10-YEAR 5240.47 901.4 911.37 911.4 0.00017 2.04 551.65 1501.91 RC 15631.43 10-YEAR 5240.47 901.4	RC	15690.23	5-YEAR	4142 77	901.50	910.63	908.05	910.65	0.000108	2 01	4437 71	1476 54
RC 15050120 15 FYEAR 6789.4 901.59 911.18 908.86 911.22 0.000192 2.81 5065.96 1564.23 RC 15690.23 50-YEAR 7911.34 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1574.19 RC 15690.23 100-YEAR 9645.11 901.59 911.67 909.01 911.73 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000042 1.2 4386.31 1418.88 RC 15631.43 5-YEAR 4142.77 901.4 910.63 910.65 0.000082 1.75 5117.73 1470.06 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 10-YEAR 6789.4 901.4 911.37 911.4 0.00017 2.04 5515.65 1501.91 RC 15631.43 100-YEAR 6789.4 901.32 910.12 <td>RC</td> <td>15690.23</td> <td>10-YEAR</td> <td>5240.47</td> <td>901.59</td> <td>910.9</td> <td>908.43</td> <td>910.93</td> <td>0.000100</td> <td>2.01</td> <td>4745 22</td> <td>1549 53</td>	RC	15690.23	10-YEAR	5240.47	901.59	910.9	908.43	910.93	0.000100	2.01	4745 22	1549 53
RC 1505022 25 FEAR 7911.34 901.59 911.37 909 911.42 0.000228 3.11 5283.69 1574.19 RC 15690.23 100-YEAR 9645.11 901.59 911.67 909.01 911.73 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000042 1.2 4386.31 1418.88 RC 15631.43 5-YEAR 4142.77 901.4 910.63 910.65 0.000042 1.2 4386.31 1418.88 RC 15631.43 10-YEAR 5240.47 901.4 910.63 910.65 0.000042 1.75 5117.73 1470.06 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 10-YEAR 6789.4 901.4 911.37 911.4 0.000174 2.71 6247.03 1608.52 RC 15631.43 100-YEAR 9645.11 901.32 910.12 910.12	RC	15690.23	25-YEAR	6789.4	901.59	911 18	908.86	911 22	0.000192	2.00	5065.96	1564 23
RC 15630.23 100-YEAR 9645.11 901.59 911.67 909.01 911.73 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000279 3.51 5625.91 1589.84 RC 15631.43 2-YEAR 2394.99 901.4 910.13 910.13 0.000042 1.2 4386.31 1418.88 RC 15631.43 5-YEAR 4142.77 901.4 910.63 910.65 0.000042 1.2 4386.31 1470.06 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 25-YEAR 6789.4 901.4 911.37 911.4 0.000174 2.71 6247.03 1608.52 RC 15631.43 100-YEAR 9645.11 901.4 911.37 911.4 0.000174 2.71 6247.03 1608.52 RC	RC	15690 23	50-YEAR	7911.34	901.59	911.37	909	911 42	0.000228	3 11	5283.69	1574 19
RC 1503123 100 LLM 001011 00101 010011 000011 010012 01011 001001 01011 001011 010111 001011 010111 001011 010111 010111 001011 010111 010111 010111 010111 010111 010111 010111 010111 010111 0101111 0101111	RC	15690 23	100-YEAR	9645 11	901.59	911.67	909.01	911 73	0.000220	3.51	5625.00	1589 84
RC 15051.43 2712.4K 2354.35 301.4 310.15 101.15 0.000042 1.2 4300.31 1410.35 RC 15631.43 5-YEAR 4142.77 901.4 910.63 910.65 0.000082 1.75 5117.73 1470.06 RC 15631.43 10-YEAR 5240.47 901.4 910.91 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 25-YEAR 6789.4 901.4 911.18 911.21 0.000146 2.44 5944.07 1574.97 RC 15631.43 50-YEAR 7911.34 901.4 911.37 911.4 0.000174 2.71 6247.03 1608.52 RC 15631.43 100-YEAR 9645.11 901.32 910.12 9.00021 3.04 6727.62 1618.5 RC 15278.91 2-YEAR 2394.64 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 5-YEAR 4142.24 901.32 910.88 910.89 0.000072 1.65 5847.11 <td>RC</td> <td>15631 43</td> <td></td> <td>2304.00</td> <td>901.4</td> <td>010.13</td> <td>000.01</td> <td>010.13</td> <td>0.000042</td> <td>1.2</td> <td>4386.31</td> <td>1/18 88</td>	RC	15631 43		2304.00	901.4	010.13	000.01	010.13	0.000042	1.2	4386.31	1/18 88
RC 15631.43 10-YEAR 5240.47 901.4 910.92 0.000107 2.04 5515.65 1501.91 RC 15631.43 10-YEAR 6789.4 901.4 911.8 911.21 0.000107 2.04 5515.65 1501.91 RC 15631.43 25-YEAR 6789.4 901.4 911.37 911.4 0.000174 2.44 5944.07 1574.97 RC 15631.43 50-YEAR 7911.34 901.4 911.37 911.4 0.000174 2.71 6247.03 1608.52 RC 15631.43 100-YEAR 9645.11 901.32 910.12 910.021 3.04 6727.62 1618.5 RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 <td>RC</td> <td>15631.43</td> <td>5-VEAR</td> <td>2394.99 A1A2 77</td> <td>901.4</td> <td>910.13</td> <td></td> <td>910.15</td> <td>0.000042</td> <td>1.2</td> <td>5117 73</td> <td>1410.00</td>	RC	15631.43	5-VEAR	2394.99 A1A2 77	901.4	910.13		910.15	0.000042	1.2	5117 73	1410.00
RC 15631.43 25-YEAR 6789.4 901.4 911.18 911.21 0.000107 2.04 5915.05 1574.97 RC 15631.43 25-YEAR 6789.4 901.4 911.18 911.21 0.000146 2.44 5944.07 1574.97 RC 15631.43 50-YEAR 7911.34 901.4 911.37 911.4 0.000174 2.14 5944.07 1608.52 RC 15631.43 100-YEAR 9645.11 901.4 911.66 911.71 0.00021 3.04 6727.62 1618.5 RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 10-YEAR 5912.67 901.32 911.33 911.36 0.000103 2.01 <td>RC</td> <td>15631 //3</td> <td></td> <td>5240 17</td> <td>Q01.4</td> <td>Q10.05</td> <td></td> <td>Q10.00</td> <td>0.000002</td> <td>2.04</td> <td>5515.65</td> <td>1501 01</td>	RC	15631 //3		5240 17	Q01.4	Q10.05		Q10.00	0.000002	2.04	5515.65	1501 01
RC 15031.43 50-YEAR 7911.34 901.4 911.37 911.4 0.000174 2.14 5944.07 1574.97 RC 15631.43 50-YEAR 7911.34 901.4 911.37 911.4 0.000174 2.14 5944.07 1608.52 RC 15631.43 100-YEAR 9645.11 901.4 911.66 911.71 0.00021 3.04 6727.62 1618.5 RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 10-YEAR 5240.4 901.32 911.33 911.70 0.00103 2.01 6155.39 1147.22 RC 15278.91 25-YEAR 6790.39 901.32 911.33 911.36 0.000103 2.01 <td>RC</td> <td>15631 /3</td> <td>25-YEAR</td> <td>6780 /</td> <td>001.4 001.4</td> <td>Q11 1Q</td> <td></td> <td>011 21</td> <td>0.000107</td> <td>2.04</td> <td>50/1/07</td> <td>157/ 07</td>	RC	15631 /3	25-YEAR	6780 /	001.4 001.4	Q11 1Q		011 21	0.000107	2.04	50/1/07	157/ 07
RC 15031.43 100-YEAR 9645.11 901.4 911.66 911.71 0.000174 2.71 6247.03 1606.32 RC 15631.43 100-YEAR 9645.11 901.4 911.66 911.71 0.00021 3.04 6727.62 1618.5 RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 10-YEAR 5240.4 901.32 911.84 911.17 0.000103 2.01 6155.39 1147.22 RC 15278.91 20-YEAR 6790.39 901.32 911.33 911.36 0.000103 2.01 6155.39 1147.22 RC 15278.91	RC	15631 /3	50-YEAR	7011 2/	001.4 001.4	011.10		011.21	0.000140	2.44	62/7 02	1608 52
RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.00021 0.00121 0.121.02 1010.0 RC 15278.91 2-YEAR 2394.64 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1139.66 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 25-YEAR 6790.39 901.32 911.44 911.17 0.000103 2.01 6155.39 1147.22 RC 15278.91 20-YEAR 7912.67 901.32 911.33 911.36 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 96148.79 901.32 911.31 911.65 0.000126 2.26 6364.35 1149.81 RC 15278.91	RC	15631 43		9645 11	Q01.4	911.57		911.4	0.000174	2.71	6727 62	1618 5
RC 15278.91 5-YEAR 2394.04 901.32 910.12 910.12 0.000025 0.91 4986.16 1132.87 RC 15278.91 5-YEAR 4142.24 901.32 910.61 910.62 0.000053 1.38 5547.94 1132.87 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 25-YEAR 6790.39 901.32 911.14 911.17 0.000103 2.01 6155.39 1147.22 RC 15278.91 50-YEAR 7912.67 901.32 911.33 911.36 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 961.32 911.33 911.65 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 9648.79 901.32 911.61 911.65 0.00016 2.6 6694.55 1153.91	PC	15279 04		2204 64	001.20	010.10		010.10	0.00021	0.04	1006 16	1100.0
RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.56 5847.94 1139.60 RC 15278.91 10-YEAR 5240.4 901.32 910.88 910.89 0.000072 1.65 5847.11 1143.38 RC 15278.91 25-YEAR 6790.39 901.32 911.14 911.17 0.000103 2.01 6155.39 1147.22 RC 15278.91 50-YEAR 7912.67 901.32 911.33 911.36 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 9648.79 901.32 911.61 911.65 0.00016 2.6 6694.55 1153.91	RC	15278 01		2094.04 1110 01	001.3Z	010.12		910.1Z	0.000025	1.20	5547.04	1120 66
RC 15278.91 25-YEAR 6790.39 901.32 911.14 911.17 0.0001/2 1.05 5847.11 1143.30 RC 15278.91 25-YEAR 6790.39 901.32 911.14 911.17 0.000103 2.01 6155.39 1147.22 RC 15278.91 50-YEAR 7912.67 901.32 911.33 911.36 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 9648.79 901.32 911.61 911.65 0.00016 2.6 6694.5 1153.9	RC	15278 01		52/0 /	001.3Z	010.01		010.0Z	0.0000000	1.30	5817 11	11/2 20
RC 15278.91 50-YEAR 7912.67 901.32 911.33 911.36 0.000126 2.26 6364.35 1149.81 RC 15278.91 100-YEAR 9648.79 901.32 911.61 911.65 0.00016 2.6 6694.5 1153.9	RC	15278 01	25-VEAD	6700 20	001.3Z	011 14		011 17	0.000072	2.01	6155 20	11/17 22
RC 15278.91 100-YEAR 9648.79 901.32 911.61 911.65 0.000120 2.20 0504.55 1149.81	RC	15278 01		7010 67	001.32	011.14		011.17	0.000103	2.01	6364 35	11/0.91
	RC	15278 01	100-YEAR	9648 70	901.32	911.55		911.50	0.000120	2.20	6694.55	1153 0

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	15235.34	2-YEAR	2394.64	901.32	910.11	906.75	910.12	0.000055	1.26	3824.49	1132.67
RC	15235.34	5-YEAR	4142.24	901.32	910.6	908.01	910.62	0.000109	1.85	4376.84	1137.67
RC	15235.34	10-YEAR	5240.4	901.32	910.85	908.7	910.88	0.000143	2.17	4669.72	1140.31
RC	15235.34	25-YEAR	6790.39	901.32	911.12	909.56	911.16	0.000198	2.62	4967.53	1142.99
RC	15235.34	50-YEAR	7912.67	901.32	911.29	909.9	911.34	0.000238	2.91	5169.02	1144.8
RC	15235.34	100-YEAR	9648.79	901.32	911.57	909.91	911.64	0.000293	3.31	5487.9	1147.65
RC	15171.34		Culvert								
RC	15083.73	2-YEAR	2394.64	901.32	906.5	906.5	907.79	0.00725	9.26	283.81	621.32
RC	15083.73	5-YEAR	4142.24	901.32	907.69	907.69	909.45	0.00688	11.07	430.05	705.99
RC	15083.73	10-YEAR	5240.4	901.32	908.31	908.31	910.34	0.006793	11.99	507.47	755.25
RC	15083.73	25-YEAR	6790.39 7010.67	901.32	909	909	909.14	0.000827	4.55	2688.96	1085.63
RC	15083.73	30-1 EAR	7912.07	901.32	909.52	909.01	909.66	0.000736	4.54	3105.71	1249.82
RC	15005.75	2 VEAD	9040.79 2204.64	901.32	910.34	909.01	910.40	0.000041	4.0	4007.02	2009.00
	15011.55		2394.04	901.32	900.11	905.00	900.52	0.003900	5.14	112.12	025 74
RC	15011.53		5240.4	901.32	907.30	905.99	907.33	0.001072	J.14 1 72	2070.63	960.98
RC	15011.53	25-YEAR	6790.39	901.32	908.89	907.05	909.23	0.001072	4.58	2689.18	1166 11
RC	15011.53	50-YEAR	7912.67	901.32	909.47	907.22	909.61	0.000709	4 52	3133.85	1275.83
RC	15011.53	100-YEAR	9648.79	901.32	910.3	907.46	910.43	0.00062	4.58	4004.71	2217.64
RC	14480.11	2-YEAR	2394.64	900.97	905.82		905.85	0.000558	2.59	1818.92	1038.05
RC	14480.11	5-YEAR	4142.24	900.97	907.22		907.25	0.000275	2.3	3326.14	1106.63
RC	14480.11	10-YEAR	5240.4	900.97	907.97		908	0.000221	2.27	4161.75	1128.99
RC	14480.11	25-YEAR	6790.39	900.97	908.81		908.84	0.000195	2.35	5123.62	1156.15
RC	14480.11	50-YEAR	7912.67	900.97	909.4		909.43	0.00018	2.39	5807.83	1179.53
RC	14480.11	100-YEAR	9648.79	900.97	910.23		910.27	0.000165	2.47	6820.57	1287.56
RC	13373.18	2-YEAR	2377.28	895.08	905.72	900.76	905.74	0.000055	1.37	3197.64	868.31
RC	13373.18	5-YEAR	4117.05	895.08	907.13	902.12	907.15	0.000067	1.7	4507.84	963.3
RC	13373.18	10-YEAR	5207.48	895.08	907.88	902.33	907.9	0.000071	1.85	5241.67	1043.98
RC	13373.18	25-YEAR	6746.2	895.08	908.72	903.43	908.75	0.000078	2.05	6097.63	1184.83
RC	13373.18	50-YEAR	7865.98	895.08	909.3	903.64	909.34	0.000086	2.24	6892.12	1218.7
RC	13373.18	100-YEAR	9588.4	895.08	910.14	904.06	910.18	0.000086	2.35	7929.71	1250.05
RC	12798.72	2-YEAR	2398.03	893.91	905.69	899.42	905.71	0.000056	1.67	2706.18	567.67
RC	12798.72	5-YEAR	4143.53	893.91	907.08	900.54	907.11	0.000084	2.24	3544.64	642.6
RC	12798.72	10-YEAR	5235.02	893.91	907.81	900.71	907.86	0.000104	2.6	4045.11	736.93
RC	12/98.72	20-YEAR	7002.12	893.91	908.64	901.80	908.7	0.000122	2.95	4082.0	800.55
RC	12798.72	100-VEAR	7902.12	803.91	909.21	902.24	909.20	0.000132	3.15	5150.19	042.30
RC	12/006 61		2400.61	803.01	910.00	808.75	910.15	0.000142	1.83	1357.36	220.81
RC	12090.01	5-YEAR	4178.89	803.91	905.0	90.75	903.03	0.000034	2.67	1662.91	230.01
RC	12096.61	10-YEAR	5324.38	893.91	907.59	900.56	907.74	0.000201	3 14	1825.55	240 75
RC	12096.61	25-YEAR	6850.94	893.91	908.34	901.24	908.54	0.000254	3.71	2007.19	244.92
RC	12096.61	50-YEAR	7967.94	893.91	908.85	901.7	909.1	0.000289	4.08	2134.25	249.1
RC	12096.61	100-YEAR	9708.38	893.91	909.6	902.38	909.91	0.000338	4.62	2319.11	277.26
RC	11857.11		Culvert								
RC	11684.69	2-YEAR	2409.61	893.28	901.53	898.71	901.74	0.000701	3.61	668.15	144.05
RC	11684.69	5-YEAR	4178.89	893.28	903.17	899.71	903.49	0.000819	4.59	911.13	153.52
RC	11684.69	10-YEAR	5324.38	893.28	903.92	900.29	904.34	0.000924	5.18	1028.29	157.84
RC	11684.69	25-YEAR	6850.94	893.28	904.7	900.99	905.25	0.001076	5.94	1153.62	162.44
RC	11684.69	50-YEAR	7967.94	893.28	905.2	901.45	905.85	0.001164	6.46	1235.35	165.63
RC	11684.69	100-YEAR	9708.38	893.28	905.96	902.13	906.75	0.001259	7.15	1362.91	170.54
RC	10597.41	2-YEAR	2409.61	891.48	899.63	897.55	900.3	0.002531	6.64	408.27	169.47
RC	10597.41	5-YEAR	4178.89	891.48	900.92	900.03	901.8	0.003138	7.94	676.7	241.21
RC	10597.41	10-YEAR	5324.38	891.48	901.52	900.82	902.49	0.003335	8.55	827.73	263.91
KC DO	10597.41	25-YEAR	6850.94	891.48	902.44	901.51	903.39	0.002835	8.72	1079.73	283.82
KC DC	10597.41	50-YEAR	7967.94	891.48	903.18	901.88	904.08	0.002393	8.63	1294.84	299.49
	10597.41	IUU-YEAR	9708.38	891.48	904.32	902.42	905.15	0.001884	8.48	1055.16	328.71
	9/0/.048 0767.049		2409.61	891.25	898.42	897.49	898.73	0.00151	5.78	/33.3	264.57
RC	9767 040 0767 040		41/0.09	091.25 801.25	099.01	090.23 200 65	000 57	0.002622	0.10	090.05 1176 67	200.95 271 24
RC	9707.040 9767.049	25-VEAD	6850.04	091.25 801.25	900.08 001 10	090.05 800.10	900.37	0.001072	7.09	1561 76	271.24
RC	9767 0/8	50-YEAR	7067 04	801.20	QA2 /1	800 /5	000 80	0.001310	7.20 7.17	1821 52	211.20
RC	9767.048	100-YEAR	9708.38	891.25	903.73	899.91	904.13	0.000934	7.16	2196.39	288.16

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	9473.876	2-YEAR	2409.61	891.25	898.36	894.83	898.43	0.000477	3.16	1370.01	454.38
RC	9473.876	5-YEAR	4178.89	891.25	898.9	896.35	899.06	0.000882	4.58	1620.59	468.26
RC	9473.876	10-YEAR	5324.38	891.25	900.05	896.3	900.18	0.000603	4.27	2168.52	489.37
RC	9473.876	25-YEAR	6850.94	891.25	901.5	897.45	901.62	0.000419	4.05	2902.31	516.23
RC	9473.876	50-YEAR	7967.94	891.25	902.46	897.48	902.57	0.000351	3.98	3400.15	528.63
RC	9473.876	100-YEAR	9708.38	891.25	903.8	898.3	903.91	0.000292	3.97	4121.26	548.65
RC	9310.741	2-YEAR	2400.02	891.25	898.33	894.73	898.38	0.00027	2.45	1616.71	477.33
RC	9310.741	5-YEAR	4138.35	891.25	898.84	895.63	898.95	0.000532	3.63	1863.16	487.05
RC	9310.741	10-YEAR	5222.75	891.25	900	896.34	900.1	0.000379	3.46	2443.23	509
RC	9310.741		0/00.0/	891.25	901.47	896.87	901.56	0.000284	3.4	3211.54	539.55
RC	9310.741		18/8./1	891.25	902.43	897.10	902.52	0.000248	3.41	3739.01	582.65
RC	0247 607		3300.03	091.2J 001.25	903.11	097.0 905.60	903.07	0.00021	7.61	4309.02	102.00
RC	9247.097		2400.02 /138.35	091.20 801.25	097.19 808.82	090.09 807.28	090.09 808.02	0.002737	7.01	2021 22	403.33
RC	9247.097		5222 75	891.25	800.02	897.20	900.92	0.000443	3.30	2663.68	563.65
RC	9247 697	25-YEAR	6755.87	891.25	901.46	898.09	901.54	0.00032	3.22	3547 17	583.06
RC	9247 697	50-YEAR	7878 71	891.25	902 42	898.09	902.5	0.000201	3.21	4112 44	595.68
RC	9247.697	100-YEAR	9580.69	891.25	903.77	898.09	903.85	0.000172	3.23	4926.6	612.4
RC	9196.197		Culvert								-
RC	9146,366	2-YEAR	2400.02	889.33	895.98	894.62	897.6	0.003535	10.24	234.36	460.19
RC	9146.366	5-YEAR	4138.35	889.33	898.88	897.01	898.9	0.000071	1.47	3597.07	534.98
RC	9146.366	10-YEAR	5222.75	889.33	899.98	897.01	900	0.000066	1.44	4426.6	578
RC	9146.366	25-YEAR	6755.87	889.33	901.46	897.01	901.48	0.000063	1.6	5295.74	597.46
RC	9146.366	50-YEAR	7878.71	889.33	902.43	897.01	902.46	0.000062	1.7	5881.52	610.23
RC	9146.366	100-YEAR	9580.69	889.33	903.77	897.01	903.8	0.000062	1.88	6711.32	626.1
RC	9110.756	2-YEAR	2400.02	889.67	896.63	894.02	896.85	0.000785	3.72	644.86	144.95
RC	9110.756	5-YEAR	4138.35	889.67	898.5	895.01	898.81	0.000772	4.47	925.41	155.46
RC	9110.756	10-YEAR	5222.75	889.67	899.54	895.54	899.9	0.00075	4.79	1090.22	161.29
RC	9110.756	25-YEAR	6755.87	889.67	900.96	896.22	901.37	0.000698	5.1	1325.35	168.94
RC	9110.756	50-YEAR	7878.71	889.67	901.89	896.7	902.33	0.000662	5.3	1496.8	188.7
RC	9110.756	100-YEAR	9580.69	889.67	903.18	897.36	903.66	0.000613	5.6	1743.74	195.55
RC	8715.771	2-YEAR	2395.14	886.92	895.56	893.51	896.29	0.002374	6.89	347.62	68.42
RC	8715.771	5-YEAR	4134.69	886.92	896.61	895.28	898.1	0.004086	9.78	422.68	73.73
RC	8715.771	10-YEAR	5219.88	886.92	897.11	896.21	899.11	0.00514	11.35	460.09	76.23
RC	8/15.//1	25-YEAR	6753.23	886.92	898.19	897.35	900.57	0.005371	12.39	545.07	81.64
RC	8715.771	JU-YEAR	18/1.2	886.92	898.88	898.12	901.53	0.005519	13.07	602.83	85.11
RC	0710.771		9001.99	000.92	099.07	099.14	902.00	0.003743	14.29	620.04	424.74
RC	0209.104		2395.14	000.47 885.47	095.07 806.1	091.03 803.87	090.37 806 56	0.00111	4.30	030.04	434.71
RC	8259.184		5210.88	885.47	896 73	897.02	897.24	0.001473	6.33	1105 66	400.34
RC	8259 184	25-YEAR	6753.23	885.47	898.32	895.76	898 72	0.001005	5.76	1581 77	513 55
RC	8259,184	50-YEAR	7877.2	885.47	899.26	896.13	899.64	0.000834	5.69	1880.37	547.3
RC	8259.184	100-YEAR	9581.99	885.47	900.87	896.65	901	0.000285	3.75	3975.51	572.44
RC	8170.184		Culvert								
RC	7917.137	2-YEAR	2395.14	884.3	893.35	890.75	894.12	0.001973	7.1	372.06	123.4
RC	7917.137	5-YEAR	4134.69	884.3	895.23	893.18	896.08	0.001925	7.97	735.8	219.91
RC	7917.137	10-YEAR	5219.88	884.3	896.25	894.74	897.03	0.001724	7.99	967.96	236.11
RC	7917.137	25-YEAR	6753.23	884.3	897.98	895.58	898.58	0.001199	7.33	1396.3	257.94
RC	7917.137	50-YEAR	7877.2	884.3	898.98	896.11	899.54	0.001031	7.26	1659.74	270.25
RC	7917.137	100-YEAR	9581.99	884.3	900.38	896.73	900.91	0.000863	7.23	2048.95	285.82
RC	7323.238	2-YEAR	2395.14	884.3	892.88		893.22	0.000763	4.86	599.67	217.35
RC	7323.238	5-YEAR	4134.69	884.3	894.86		895.22	0.000671	5.39	1232.98	359.02
RC	7323.238	10-YEAR	5219.88	884.3	895.94		896.27	0.000578	5.41	1640.19	392.06
RC	7323.238	25-YEAR	6753.23	884.3	897.81		898.05	0.000379	4.91	2388.41	409.2
RC	7323.238	50-YEAR	7877.2	884.3	898.85		899.07	0.000331	4.86	2817.3	417.47
RC	/323.238	100-YEAR	9581.99	884.3	900.28		900.49	0.000285	4.84	3424.69	427.3
RC	6271.714	2-YEAR	2392.79	883.23	892.06		892.37	0.000852	4.84	719.14	243.94
RC	6271.714	5-YEAR	4130.76	883.23	894.24		894.52	0.00063	5.07	1327.44	318.18
KC DO	62/1.714	10-YEAR	5215.27	883.23	895.42		895.68	0.000529	5.06	1/28.52	350.16
	02/1./14		6/49.6	883.23	897.42		897.65	0.00039	4.93	2531.34	411.13
RC	6271 714		18/2.91	883.23	898.53		898.73	0.000319	4.74	3008.23	490.57
NC	0211.114	100-1EAK	9013.2	003.23	900.03		900.2	0.000239	4.0	3017.17	507.93

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	6112.396	2-YEAR	2392.79	882.8	891.27	889.36	892.02	0.002327	7.08	374.65	168.82
RC	6112.396	5-YEAR	4130.76	882.8	893.22	891.46	894.17	0.002057	8.21	601.66	229.21
RC	6112.396	10-YEAR	5215.27	882.8	894.28	892.25	895.31	0.001914	8.67	732.87	269.11
RC	6112.396	25-YEAR	6749.6	882.8	896.43	893.18	897.34	0.001307	8.35	1007.79	349.87
RC	6112.396	50-YEAR	7872.91	882.8	897.44	893.8	898.41	0.00124	8.65	1142.23	371.8
RC	6112.396	100-YEAR	9573.2	882.8	898.81	894.62	899.87	0.001186	9.13	1326.41	418.54
RC	6058.396		Bridge								
RC	5980.438	2-YEAR	2392.79	881.92	889.2	889.2	890.54	0.007131	9.53	284	182.56
RC	5980.438	5-YEAR	4130.76	881.92	890.45	890.45	892.16	0.006806	11.07	442.87	235.82
RC	5980.438	10-YEAR	5215.27	881.92	891.05	891.05	893.02	0.006782	11.99	520.54	250.59
RC	5980.438	25-YEAR	6749.6	881.92	891.81	891.81	894.12	0.006765	13.11	619.94	270.73
RC	5980.438	50-YEAR	7872.91	881.92	892.33	892.33	894.86	0.006738	13.83	687.78	282.87
RC	5980.438	100-YEAR	9573.2	881.92	893.03	893.03	895.92	0.006773	14.84	781.36	299.13
RC	4838.84	2-YEAR	2392.83	878.48	887.15		887.42	0.000934	4.26	658.87	314.31
RC	4838.84	5-YEAR	4131.4	878.48	888.64		888.95	0.000834	4.82	1201.02	380.6
RC	4838.84	10-YEAR	5216.43	878.48	889.38		889.7	0.000797	5.07	1481.98	387.23
RC	4838.84	25-YEAR	6751.88	878.48	889.72		890.17	0.001069	6.06	1616.94	390.37
RC	4838.84	50-YEAR	7876.52	878.48	890.33		890.79	0.00101	6.22	1857.37	395.91
RC	4838.84	100-YEAR	9576.43	878.48	891.32		891.77	0.000883	6.28	2252.94	404.86
RC	4263.236	2-YEAR	2392.83	878.2	887.14		887.18	0.000174	2.31	1693.17	377.35
RC	4263.236	5-YEAR	4131.4	878.2	888.62		888.69	0.000225	2.99	2288.82	418.25
RC	4263.236	10-YEAR	5216.43	878.2	889.34		889.43	0.000252	3.34	2596.22	434.6
RC	4263.236	25-YEAR	6751.88	878.2	889.67		889.8	0.000376	4.17	2740.41	455.27
RC	4263.236	50-YEAR	7876.52	878.2	890.26		890.42	0.000406	4.51	3020.99	485.95
RC	4263.236	100-YEAR	9576.43	878.2	891.26		891.43	0.000389	4.7	3515.17	502.89
RC	4076.095	2-YEAR	2397.26	878.2	887.09		887.15	0.000236	2.22	1493.64	399.9
RC	4076.095	5-YEAR	4140.26	878.2	888.56		888.65	0.000276	2.78	2159.84	485.33
RC	4076.095	10-YEAR	5229.08	878.2	889.29		889.38	0.000278	3.01	2531.82	530.95
RC	4076.095	25-YEAR	6767.65	878.2	889.59		889.73	0.000391	3.66	2693.38	535.54
RC	4076.095	50-YEAR	7894.54	878.2	890.19		890.34	0.000385	3.83	3019.36	546.71
RC	4076.095	100-YEAR	9599.36	878.2	891.2		891.36	0.000349	3.95	3579.29	564.56
RC	3193.07	2-YEAR	2400.04	878.2	886.92		886.97	0.000182	2.63	1936.63	573.75
RC	3193.07	5-YEAR	4140.6	878.2	888.39		888.45	0.000197	3.07	2812.06	619.23
RC	3193.07	10-YEAR	5231	878.2	889.11		889.18	0.000204	3.27	3263.66	626.81
RC	3193.07	25-YEAR	6771.29	878.2	889.34		889.44	0.000301	4.04	3404.9	629.17
RC	3193.07	50-YEAR	7898.92	878.2	889.95		890.05	0.000297	4.17	3791.46	636.07
RC	3193.07	100-YEAR	9603.91	878.2	890.99		891.09	0.000271	4.23	4457.38	648.5
RC	2820.052	2-YEAR	2397.84	877.95	886.48		886.81	0.001052	4.71	647.45	343.15
RC	2820.052	5-YEAR	4144.4	877.95	887.93		888.28	0.000966	5.26	1196.26	412.01
RC	2820.052	10-YEAR	5235.96	877.95	888.66		889.01	0.000909	5.47	1508.05	440.21
RC	2820.052	25-YEAR	6777.63	877.95	888.52		889.16	0.001681	7.35	1447.33	437.58
RC	2820.052	50-YEAR	7908.13	877.95	889.22		889.79	0.001419	7.19	1757.37	451.1
RC	2820.052	100-YEAR	9610.88	877.95	890.4		890.88	0.001036	6.76	2305.35	473.91
KC	2139.167	2-YEAR	2779.07	875.66	886.35	882.21	886.4	0.000219	2.27	1986.96	768.34
RC	2139.167	5-YEAR	4584.02	875.66	887.85	883.43	887.9	0.000177	2.4	3259.72	890.91
KC DO	2139.167	10-YEAR	5648.53	875.66	888.59	884.01	888.65	0.000164	2.47	3945.69	964.1
RC	2139.167	25-YEAR	7137.54	875.66	888.39	884.61	888.49	0.000297	3.26	3/5/.8/	944.3
RC	2139.167		8221.42	875.66	889.12	884.61	889.21	0.000257	3.22	4464.37	990.7
RC	2139.167	100-YEAR	9862.63	875.66	890.35	884.80	890.43	0.000184	2.99	5702.81	1011.35
	2040.167			070.67	000.01	000.00	000.07	0.000000		0004.5	707.00
RC	18/1.616	2-YEAR	2779.07	873.67	886.34	880.38	886.35	0.000036	1.11	3821.9	707.92
RC	1871.616	5-YEAR	4584.02	873.67	887.85	881.51	887.87	0.000048	1.46	5100.62	922.76
	10/1.010		2648.53	8/3.67	888.61	881.51	888.63	0.000051	1.59	5812.15	957.12
	10/1.010		/13/.54	8/3.6/	888.45	881.51	888.48	0.000088	2.07	2025.99	947.16
RC	18/1.616		8221.42	8/3.67	889.13	881.51	889.17	0.000086	2.14	6317.52	9/4.33
	10/1.010	IUU-TEAK	9002.03	0/3.0/	890.39	881.51	890.42	0.000075	2.16	/ 505.12	1016.22
KC DO	1766.516	2-YEAR	2396.92	873.19	886.31	877.57	886.34	0.000044	1.44	1/13.44	/12.07
	1766.516		4123.64	873.19	800.54	878.55	887.85	0.000077	2.11	2068.13	864.78
	1766 546		5180.80	013.19	000.00	079.09	000 AO	0.000096	2.40	2244.08	928.21
	1766 540		7050 70	073.19	000.20	0/9.01	000.43	0.000175	3.28	2105.2	919.26
	1766 516		1009.18	013.19 972 10	800.27	800.29	800 44	0.000196	3.59	2341.36	943
	1696 540	100-TEAR	9024.30 Pridee	013.19	090.37	000.97	090.41	0.000046	1.00	0030.01	990.7
кu	010.0001		ыниде								

Table C.6 Rock Creek Results for Existing Conditions (SWMM Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	1598.795	2-YEAR	2396.92	872.64	884.97	877.76	885.01	0.000072	1.6	1512.99	671.36
RC	1598.795	5-YEAR	4123.64	872.64	886.4	878.73	886.48	0.000117	2.29	1873.93	977.68
RC	1598.795	10-YEAR	5186.86	872.64	887.11	879.24	887.22	0.000141	2.66	2055.11	1023.15
RC	1598.795	25-YEAR	6734.06	872.64	888	879.92	888.15	0.000175	3.13	2282.07	1080.61
RC	1598.795	50-YEAR	7859.78	872.64	888.59	880.37	888.77	0.000197	3.44	2431.96	1127.73
RC	1598.795	100-YEAR	9524.36	872.64	889.46	881	889.51	0.000082	2.34	6545.91	1204.23
RC	1512.292	2-YEAR	2396.92	872.69	884.98		884.99	0.000022	0.98	3222.96	934.74
RC	1512.292	5-YEAR	4123.64	872.69	886.42		886.45	0.000043	1.5	4711.05	1122.01
RC	1512.292	10-YEAR	5186.86	872.69	887.14	l I	887.17	0.000047	1.65	5540.66	1175.31
RC	1512.292	25-YEAR	6734.06	872.69	888.05		888.08	0.000052	1.83	6646.34	1257.37
RC	1512.292	50-YEAR	7859.78	872.69	888.65		888.69	0.000055	1.94	7420.59	1314.91
RC	1512.292	100-YEAR	9524.36	872.69	889.46		889.5	0.000058	2.07	8509.18	1377.3
RC	1177.636	2-YEAR	2402.11	871.83	884.95		884.98	0.000069	1.98	2717.31	905.58
RC	1177.636	5-YEAR	4127.86	871.83	886.39		886.43	0.000081	2.32	4077.57	979.24
RC	1177.636	10-YEAR	5199.21	871.83	887.11	i I	887.15	0.000085	2.47	4796.7	1015.73
RC	1177.636	25-YEAR	6740.95	871.83	888.02	i I	888.06	0.00009	2.65	5738.55	1060.07
RC	1177.636	50-YEAR	7873.76	871.83	888.62	i I	888.66	0.000092	2.76	6382.15	1082.5
RC	1177.636	100-YEAR	9542.6	871.83	889.43		889.47	0.000095	2.9	7268.05	1109.53
RC	820.246	2-YEAR	2402.11	871.73	884.93		884.96	0.000055	1.84	2837.37	904.06
RC	820.246	5-YEAR	4127.86	871.73	886.37	i I	886.4	0.000069	2.22	4198.55	991.24
RC	820.246	10-YEAR	5199.21	871.73	887.08		887.13	0.000074	2.39	4925.14	1027.6
RC	820.246	25-YEAR	6740.95	871.73	887.99	i I	888.04	0.00008	2.6	5874.04	1072.04
RC	820.246	50-YEAR	7873.76	871.73	888.59		888.64	0.000084	2.73	6527	1110.19
RC	820.246	100-YEAR	9542.6	871.73	889.4		889.45	0.000088	2.9	7446.7	1167.58
RC	96.2263	2-YEAR	2402.11	871.73	884.87	878.17	884.91	0.000092	1.97	2429.4	992.15
RC	96.2263	5-YEAR	4127.86	871.73	886.31	879.94	886.36	0.000093	2.19	3924.96	1076.08
RC	96.2263	10-YEAR	5199.21	871.73	887.03	880.74	887.08	0.000092	2.29	4712.47	1107.92
RC	96.2263	25-YEAR	6740.95	871.73	887.94	881.53	887.98	0.000092	2.42	5729.8	1138.44
RC	96.2263	50-YEAR	7873.76	871.73	888.54	882.52	888.58	0.000092	2.5	6417.91	1155.74
RC	96.2263	100-YEAR	9542.6	871.73	889.35	883.36	889.39	0.000092	2.6	7360.05	1189

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sa ft)	(ft)
RC	18605.55	100-YEAR	11500	902 49	913.31		913.4	0.000374	4.07	6339.61	1609 44
RC	17847 37	100-YEAR	11500	902.49	913.1		913 15	0.00032	3 74	7131 11	1743.38
RC	17503.88	100-YEAR	11500	902.48	913		913.05	0.000278	3 45	7381.46	1727 7
RC	17069.85	100-YEAR	11500	902.42	912.89		912 94	0.000276	3.32	7690.88	1724.37
RC	16454 44	100-YEAR	11500	901.96	912.00		912.82	0.000175	2.8	8572.86	1772 73
RC	16060.2	100-YEAR	11500	901.88	912.76		912.02	0.000087	2.07	12394 76	2768.6
RC	15994	100-YEAR	11500	901.67	912.7	908 69	912.75	0.000184	3.13	8041.71	2683.48
RC	15854		Bridge		0.2	000.00	0.12.1.0	0.000101	0110		2000.10
RC	15690.23	100-YEAR	11500	901.59	911.99	909.01	912 07	0.000323	3.87	5999 93	1610 45
RC	15631 43	100-YEAR	11500	901.4	911.99	000.01	912.05	0.000241	3 33	7256.58	1633.21
RC	15278 91	100-YEAR	11500	901.32	911 93		911 98	0.000192	2 92	7058 19	1158.39
RC	15235.34	100-YEAR	11500	901.32	911.88	909 91	911.96	0.000342	3.67	5840 58	1150.81
RC	15171 34	100 12/11	Culvert	301.02	511.00	505.51	511.50	0.000042	0.07	0040.00	1100.01
RC	15083 73	100-YEAR	11500	901 32	911 19	909.01	911 32	0 000643	4 96	5308 69	2301 48
RC	15003.73	100-YEAR	11500	901.32	911.13	907.71	911.32	0.000043	5.09	5345.68	2353 /3
RC RC	14480 11		11500	901.92	011.07	307.71	011 11	0.000000	2.03	7097 79	1454 37
RC	13373 18	100-YEAR	11500	895.08	911.07	904 35	911.11	0.00086	2.74	8085.23	1281 32
RC	12708 72	100-YEAR	11500	803.00	910.97	904.00	910.96	0.000000	3 72	6670.97	1032 12
RC	12096.61	100-YEAR	11500	803.01	910.07	903.10	910.30	0.000130	5.12	2504.84	340.82
RC PC	11957 11	TOO-TEAK	Culvort	095.91	910.33	903.02	910.71	0.00038	5.1	2304.04	340.02
	11694.60			002.20	006.05	002.8	007.94	0.001215	7 5 7	1524 70	176.02
	10507.41	100-TEAR	11500	093.20	900.95	902.0	907.04	0.001213	7.37	1004.70	262.91
RC	10597.41	100-YEAR	11500	091.40	905.7	902.93	906.41	0.001373	6.03	2132.20	303.01
RC	9767.048	100-YEAR	11500	891.25	905.25	900.35	905.64	0.000746	6.99	2641.19	295.91
RC	9473.876	100-YEAR	11500	891.25	905.34	898.62	905.44	0.000228	3.84	4980.8	561.44
RC	9310.741	100-YEAR	11500	891.25	905.32	898.13	905.41	0.000174	3.42	5427.93	606.8
RC	9247.697	100-YEAR	11500	891.25	905.32	898.09	905.4	0.000144	3.22	5889.35	634.79
RC	9196.197		Cuivert	000.00	005.00	007.04	005.00	0.000050	4.00	7740.04	004 70
RC	9146.366	100-YEAR	11500	889.33	905.32	897.01	905.36	0.000058	1.99	7713.61	681.76
RC	9110.756	100-YEAR	11500	889.67	904.7	898.06	905.21	0.000544	5.8	2046.46	203.61
RC	8/15.//1	100-YEAR	11500	886.92	901.59	900.11	904.51	0.003975	13.75	851.15	98.25
RC	8259.184	100-YEAR	11500	885.47	902.78	897.2	902.89	0.000194	3.48	5077.95	583.48
RC	8170.184		Culvert	004.0		007.05		0.000047	0.70	0000.04	
RC	7917.137	100-YEAR	11500	884.3	902.38	897.35	902.83	0.000617	6.78	2639.31	303.96
RC	7323.238	100-YEAR	11500	884.3	902.33		902.5	0.000214	4.58	4313.3	443.59
RC	6271.714	100-YEAR	12200	883.23	902.12		902.28	0.000209	4.52	4906.28	534.38
RC	6112.396	100-YEAR	12200	882.8	901.97	895.78	902.22	0.000323	5.52	4140.21	520.66
RC	6058.396		Bridge								
RC	5980.438	100-YEAR	12200	881.92	894.09	894.09	897.42	0.006579	16.04	925.09	335.25
RC	4838.84	100-YEAR	12200	878.48	892.65		893.11	0.00078	6.48	2800.29	416.93
RC	4263.236	100-YEAR	12200	878.2	892.61		892.79	0.000377	5	4208.18	526.74
RC	4076.095	100-YEAR	12200	878.2	892.55		892.72	0.000322	4.17	4386.15	678.53
RC	3193.07	100-YEAR	12200	878.2	892.36		892.48	0.000251	4.38	5362.29	666
RC	2820.052	100-YEAR	12200	877.95	891.87		892.29	0.000807	6.6	3018.43	502.04
RC	2139.167	100-YEAR	12200	875.66	891.85	886.09	891.92	0.00014	2.87	7235.31	1038.51
RC	2048.167		Culvert								
RC	1871.616	100-YEAR	12200	873.67	891.84	881.51	891.88	0.000071	2.27	9085.75	1083.73
RC	1766.516	100-YEAR	12500	873.19	891.81	882.06	891.87	0.000057	2.19	7918.69	1142.58
RC	1686.516		Bridge								
RC	1598.795	100-YEAR	12500	872.64	891.04	882.01	891.09	0.000071	2.35	9382.8	1331.23
RC	1512.292	100-YEAR	12500	872.69	891.04		891.08	0.000054	2.17	10760.72	1468.16
RC	1177.636	100-YEAR	12500	871.83	891.01		891.05	0.000088	2.98	9061.45	1164.51
RC	820.246	100-YEAR	12500	871.73	890.98		891.03	0.000085	3.03	9391.6	1300.27
RC	96.2263	100-YEAR	13200	871.73	890.92	884.93	890.98	0.000092	2.81	9293.39	1252.21
Table C.8Rock Creek Results for Future Conditions (SWMM Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	<u>(ft)</u>	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	18605.55	2-YEAR	2364.81	902.49	910.56		910.58	0.00014	1.95	2638.03	1086.01
RC	18605.55	5-YEAR	4096.05	902.49	911.31		911.35	0.000209	2.57	3503.69	1209.68
RC	18605.55	10-YEAR	5226.39	902.49	911.72		911.77	0.000244	2.88	4015.34	1283.75
RC	18605.55	25-YEAR	6731.54	902.49	912.16		912.22	0.000291	3.27	4605.03	1413
RC	18605.55	50-YEAR	7890.96	902.49	912.48		912.55	0.000314	3.49	5063.06	1470.14
RC	18605.55	100-YEAR	9555.36	902.49	912.89		912.96	0.000343	3.77	5675.91	1541.92
RC	17847.37	2-YEAR	2371.34	902.49	910.45		910.48	0.000173	2.19	2892.49	1409.69
RC	17847.37	5-YEAR	4109.26	902.49	911.17		911.2	0.000225	2.68	3957.66	1539.35
RC	17847.37	10-YEAR	5244.86	902.49	911.57		911.6	0.000242	2.88	4577.02	1585.84
RC	17847.37	25-YEAR	6757.42	902.49	911.99		912.03	0.000271	3.16	5253.09	1635.08
RC	17847.37	50-YEAR	7915.87	902.49	912.29		912.34	0.000285	3.32	5761.41	1670.84
RC	17847.37	100-YEAR	9587.34	902.49	912.69		912.74	0.000303	3.53	6427.13	1708.07
RC	17503.88	2-YEAR	2371.34	902.48	910.4		910.42	0.000141	1.95	3175.49	1507.73
RC	17503.88	5-YEAR	4109.26	902.48	911.11		911.13	0.000183	2.38	4269.47	1582.34
RC	17503.88	10-YEAR	5244.86	902.48	911.5		911.53	0.000199	2.58	4892.32	1606.16
RC	17503.88	25-YEAR	6757.42	902.48	911.91		911.94	0.000226	2.85	5556.72	1631.19
RC	17503.88	50-YEAR	7915.87	902.48	912.21		912.25	0.00024	3.01	6053.2	1649.59
RC	17503.88	100-YEAR	9587.34	902.48	912.6		912.64	0.00026	3.23	6697.12	1679.97
RC	17069.85	2-YEAR	2371.34	902.42	910.36		910.37	0.000073	1.45	3827.15	1362.35
RC	17069.85	5-YEAR	4109.26	902.42	911.05		911.07	0.000116	1.95	4789.42	1441.32
RC	17069.85	10-YEAR	5244.86	902.42	911.43		911.45	0.000139	2.21	5346.64	1489.76
RC	17069.85	25-YEAR	0/5/.42	902.42	911.83		911.86	0.000173	2.54	5949.27	1555.16
RC	17069.00		0587.34	902.42	912.12		912.10	0.000194	2.70	7028.25	1665.65
RC BC	16454 44	2 VEAD	2271.24	902.42	912.3		912.34	0.000222	1 1 9	1020.25	1602.7
	16454.44		2371.34	901.90	910.33		910.34	0.000047	1.10	4420.23 5516 5	1670.97
RC PC	16454.44		5244.86	901.90	911		911.01	0.000080	1.09	6142.06	1601 56
RC	16454.44	25-VEAR	6757 42	901.90	911.37		911.39	0.000101	2.16	6792.12	1703 76
RC	16454.44	50-YEAR	7915.87	901.90	911.75		912.06	0.000123	2.10	7281 02	1715.26
RC	16454 44	100-YEAR	9587.34	901.96	912.04		912.00	0.000156	2.56	7908 92	1736.58
RC	16060.2	2-YEAR	2392.5	901.88	910 32		910 33	0.000023	0.87	6052.26	2124 25
RC	16060.2	5-YEAR	4141.08	901.88	910.98		910.99	0.000020	1 25	7643.3	2606.97
RC	16060.2	10-YEAR	5290.06	901.88	911.35		911.36	0.00005	1.41	8608.84	2636.94
RC	16060.2	25-YEAR	6820.72	901.88	911.72		911.74	0.000062	1.62	9612.38	2676.98
RC	16060.2	50-YEAR	7989.31	901.88	912.01		912.02	0.00007	1.75	10375.15	2703.99
RC	16060.2	100-YEAR	9683.99	901.88	912.37		912.38	0.00008	1.92	11356.23	2738.35
RC	15994	2-YEAR	2392.5	901.67	910.31	905.88	910.32	0.000049	1.35	4332.68	2498.6
RC	15994	5-YEAR	4141.08	901.67	910.96	906.73	910.98	0.000081	1.84	5317.78	2555.45
RC	15994	10-YEAR	5290.06	901.67	911.33	907.11	911.35	0.000099	2.09	5878.63	2582.23
RC	15994	25-YEAR	6820.72	901.67	911.7	907.54	911.72	0.000125	2.41	6455.65	2605.3
RC	15994	50-YEAR	7989.31	901.67	911.98	907.86	912.01	0.000141	2.61	6892.9	2623.97
RC	15994	100-YEAR	9683.99	901.67	912.33	908.28	912.37	0.000164	2.88	7451.65	2655.26
RC	15854		Bridge								
RC	15690.23	2-YEAR	2392.5	901.59	910.12	906.78	910.13	0.000056	1.38	3847.7	1447.62
RC	15690.23	5-YEAR	4141.08	901.59	910.62	908.06	910.65	0.000109	2.02	4429.82	1476.15
RC	15690.23	10-YEAR	5290.06	901.59	910.92	908.44	910.95	0.000141	2.36	4767.03	1550.53
RC	15690.23	25-YEAR	6820.72	901.59	911.17	908.89	911.21	0.000196	2.83	5051.68	1563.57
RC	15690.23	50-YEAR	7989.31	901.59	911.39	909	911.44	0.00023	3.12	5302.83	1575.07
RC	15690.23	100-YEAR	9683.99	901.59	911.66	909.01	911.73	0.000282	3.53	5619.52	1589.55
RC	15631.43	2-YEAR	2392.5	901.4	910.11		910.12	0.000042	1.2	4369.18	1416.9
RC	15631.43	5-YEAR	4141.08	901.4	910.62		910.64	0.000082	1.75	5107.5	1469.88
RC	15631.43	10-YEAR	5290.06	901.4	910.92		910.94	0.000107	2.05	5544.28	1505.66
RC	15631.43	25-YEAR	6820.72	901.4	911.16		911.2	0.000149	2.46	5924.4	1569.31
RC	15631.43	50-YEAR	7989.31	901.4	911.38		911.42	0.000176	2.72	6273.84	1609.08
кС	15631.43	100-YEAR	9683.99	901.4	911.66		911.71	0.000213	3.06	6718.53	1618.31
RC	15278.91	2-YEAR	2392.42	901.32	910.11		910.11	0.000025	0.91	4972.4	1132.71
KC	15278.91	5-YEAR	4141.22	901.32	910.61		910.62	0.000054	1.39	5539.94	1139.56
RC	15278.91	10-YEAR	5291.2	901.32	910.89		910.91	0.000073	1.66	5868.68	1143.65
KC DO	152/8.91	25-YEAR	6821.68	901.32	911.13		911.16	0.000105	2.03	6140.4	1147.03
KC DC	15278.91	50-YEAR	/989.64	901.32	911.34		911.37	0.000128	2.27	6383.02	1150.05
KC	15278.91	100-YEAR	9684.08	901.32	911.61		911.65	0.000162	2.61	6687.46	1153.81

Table C.8 Rock Creek Results for Future Conditions (SWMM Flows)

L (rb) (r	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
RC 12235.34 2.YEAR 2013.2 910.1 90.076 910.11 0.000056 12.86 980.67 1137.6 RC 15235.34 10.YEAR 6821.63 910.37 910.87 900.61 0.00014 2.16 4491.15 1143.6 RC 15235.34 10.YEAR 7896.46 911.31 909.9 911.36 0.00024 2.33 5460.34 114.2 560.7 1137.6 910.61 0.00017 9.28 2.85.5 600.90 1131.63 0.00027 2.33 5460.34 1147.50 7.87 1143.7 7.87 1147.50 7.87 1147.50 7.87 7.87 7.87 7.83 5467.20 7.85 600.99 907.61 0.00077.7 9.28 2.825.5 600.50 900.61 0.00077.1 10.00175.7 9.28 7.825.67 600.99 907.61 0.00077.1 0.00175.7 9.26 7.825.67 600.99 900.61 0.00077.1 1.00175.7 7.900.56 9.900.61 0.000079 0.00077.1 0.00		_	_	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC 12235.24 5-YEAR 4141.22 001.32 010.69 088 910.61 0.00011 18.8 4988.78 1137.6 RC 15225.41 25-YEAR 6521.6 001.32 011.1 900.67 911.14 0000022 2.48 4951.97 114.45 RC 15225.41 100-YEAR 9684.60 901.32 911.91 800.00027 3.33 5470.24 1147.55 RC 15063.73 5-YEAR 2283.37 600.55 907.69 900.44 0000677 11.07 430.65 11.17 765.99 RC 15063.73 10-YEAR 6521.6 901.32 900.44 900.44 000677 12.07 263.98 11.17 765.99 11.07 430.65 11.07 430.65 11.07 430.65 11.07 430.65 11.07 430.65 11.07 430.65 11.07 430.65 11.07 450.95 11.07 430.27 11.07 430.27 11.07 430.27 11.07 430.27 <t< td=""><td>RC</td><td>15235.34</td><td>2-YEAR</td><td>2392.42</td><td>901.32</td><td>910.1</td><td>906.76</td><td>910.11</td><td>0.000056</td><td>1.26</td><td>3810.67</td><td>1132.55</td></t<>	RC	15235.34	2-YEAR	2392.42	901.32	910.1	906.76	910.11	0.000056	1.26	3810.67	1132.55
RC 12235 34 10/YEAR 6911.2 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 910.87 911.36 0.00024 2.33 540.44 5187.26 1114.2 560.00027 2.33 540.37 5187.26 1114.2 560.00027 2.33 540.37 5187.26 1141.47 560.00027 3.33 540.37 578.76 620.56 507.57 0.00727 3.33 540.37 576.76 620.56 507.57 0.00727 578.76 760.56 507.57 0.00637 12.03 576.77 620.57 576.77 576.77 576.56 556.56 567.77 766.56 556.56 567.77 766.56 556.56 567.77 766.56 556.56 567.77 766.56 556.56 567.77 556.56 556.56 567.77 766.56 556.56 567.77 766.56 556.56 567.77 766.56 556.56 56	RC	15235.34	5-YEAR	4141.22	901.32	910.59	908	910.61	0.00011	1.86	4368.78	1137.6
RC 15223.54 25.YEAR 682.168 901.32 911.14 900.97 911.14 00.000202 2.4 4951.57 1144.26 RC 15223.54 100-YEAR 9684.64 901.32 911.58 0.00027 3.3 5472.74 2480.24 1147.50 RC 15083.73 5YEAR 2283.27 620.85 900.55 907.69 904.40 0.000773 3.3 5472.76 620.86 RC 15083.73 10.YEAR 6221.66 601.32 900.49 901.67 90.000771 10.007781 2.03 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.075.99 7.073.2 7.007.85 7.075.99 7.073.2 7.007.81 7.075.99 7.073.2 7.007.85 7.075.99 7.073.2 7.007.85 7.073.2 7.007.23 7.007.82 7.073.2 7.007.82 7.073.2 7.007.82 7.073.2 7.007.82 7.073.2 7.007.83 7.073.2 7.073.	RC	15235.34	10-YEAR	5291.2	901.32	910.87	908.72	910.9	0.000144	2.18	4691.15	1140.5
RC 1223-34 50-YEAR 7980-64 901.32 911.36 0.00024 3.33 5407.26 RC 1507.36 1144.36 600.54 901.32 901.26 901.56 900.65 900.65 900.67 900.000677 1.000271 1.23 540.34 1147.45 RC 15093.73 5-YEAR 141.12 901.32 907.66 900.45 900.6771 1.0006771 1.12.03 551.13 765.76 700.006771 1.23.03 544.28 122.81.28 123.13 764.28 122.81.28 123.29 900.65 900.67 900.07274 4.53 141.28 123.28 120.33 501.27.86 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 767.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26 757.26	RC	15235.34	25-YEAR	6821.68	901.32	911.1	909.57	911.14	0.000202	2.64	4951.97	1142.85
HC 152:53.41 100.YEAR 100.YEAR 100.YEAR 100.YEAR 111.47.59 RC 1553.373 5-YEAR 239.32 490.32 900.5 900.45 0.002725 32.6 283.67 620.96 RC 1503.373 10-YEAR 5821.2 901.32 907.66 907.69 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.65 900.53 0.00272 4.57 420.57 120.375 120	RC	15235.34	50-YEAR	7989.64	901.32	911.31	909.9	911.36	0.00024	2.93	5187.26	1144.96
RC 15171.34 Culumit 906.5 906.5 907.78 0.007253 9.26 283.57 620.66 RC 15083.73 5-YEAR 411.122 901.32 907.68 900.45 0.007251 12.03 611.13 765.79 RC 15083.73 16-VEAR 682.168 901.32 906.65 900.61 0.000637 12.03 611.13 767.74 42.06 12.23.75 RC 1501.33 5-YEAR 698.10 901.22 906.59 0.00059 6.57 70.66 508.61 905.52 0.00059 6.57 70.66 508.61 906.82 0.000601 4.51 150.87 831.22 70.61 70.153 150.47 831.22 70.61 70.75 90.65 0.000601 4.5 130.64 407.45 223.013 70.67 70.62 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.65 75.	RC	15235.34	100-YEAR	9684.08	901.32	911.56	909.91	911.63	0.000297	3.33	5480.34	1147.59
RC 1508.373 2-YEAR 239.24 901.32 907.65 907.79 0007253 238 238.77 620.86 RC 1508.373 10-YEAR 5991.2 901.32 908.34 909.34 909.31 0006771 11.07 430.51 50.00234 4.57 268.64 608.66 907.69 000.015 0.000274 4.57 268.64 608.66 907.69 0.00153 0.000274 4.57 208.64 608.65 907.69 0.001634 4.57 268.67 708.65 586.66 RC 15011.53 2-YEAR 2491.2 901.32 908.61 909.68 0.001658 1.91 150.07 801.65 708.65 586.66 RC 1501.153 10-YEAR 589.12 901.32 903.61 909.68 0.001638 4.51 1180.37 223.49 707.65 586.66 707.66 500.66 0.000163 4.52 117.07 408.45 2183.49 707.45 587.7 708.65 586.66 707.71 700	RC	15171.34		Culvert								
RC 1508.373 5/YEAR 141.122 901.32 907.69 907.69 907.69 900.6877 11.20 430.05 705.89 RC 1508.373 10-VEAR 6521.68 901.32 906.69 900.571 10.00637 4.83 314.28 123.23 100.671 10.00637 4.83 314.28 123.28 100.671 10.00627 4.83 314.28 123.28 100.671 10.00627 4.83 314.28 123.28 100.671 10.00627 4.83 314.28 123.28 100.671 10.00628 4.71 129.97 966.75 100.0068 4.71 129.97 966.75 100.0068 4.71 129.97 966.75 100.0068 4.53 136.97 128.48 91.32 900.55 90.0068 0.000698 4.45 127.57.71 1179.29 100.27 10.001.83 4.54 127.57.71 1179.29 10.001.83 10.004.84 4074.56 223.013 100.44 100.72 90.05.8 0.000691 4.45 137.94 10.44 10.002.84 4.007.14 10.002.84 400.14 10.002.84 400.11 10.0	RC	15083.73	2-YEAR	2392.42	901.32	906.5	906.5	907.79	0.007253	9.26	283.57	620.96
RC 1608.3/3 10.12 FLAR 52.91 - 2 901.32 908.34 90.37 0.000634 4.5.7 21.01 71.11 7.66.7 RC 1508.373 SUPERAR 7986.64 901.32 909.56 909.56 909.71 0.000624 4.5.3 3142.68 1268.36 1065.63 RC 15011.53 SVERAR 996.42 901.32 907.43 0.000652 0.000159 5.19 1569.97 831.22 RC 15011.53 SVERAR 6281.6 901.32 906.4 906.8 900.62 0.001693 4.5 3169.97 986.7 RC 15011.53 SUEVERA 6901.32 900.42 900.23 907.23 900.65 0.000696 4.5 3169.87 1179.29 RC 14480.11 SVEAR 4901.32 900.7 907.2 907.23 0.002682 2.28 3299.41 103.4 103.4 103.4 103.4 103.4 103.4 103.4 103.4 103.4 103.4 103.4	RC	15083.73	5-YEAR	4141.22	901.32	907.69	907.69	909.45	0.006877	11.07	430.05	705.99
RC 1508.3 / 3 25 * FAR B62 / B8 901.32 909 909.15 0.000725 4.53 2668.30 100752 RC 1508.373 100-*FAR 9864.08 901.32 900.31 909.41 905.66 906.71 900.73 0.000725 4.53 2004.32 2004.32 2004.32 2004.32 2004.31 2004.36 200325 6.57 708.56 586.68 RC 15011.53 5-YEAR 422.188 901.32 900.41 900.58 900.23 900.68 0.000681 4.54 272.57.11 1172.92 200.74 900.62 900.72 900.68 0.000698 4.54 272.57.11 1172.92 200.77 900.52 900.72 900.68 0.000698 4.54 4074.56 22.32 329.94 1105.46 22.32 329.94 1105.46 22.32 329.94 1105.46 22.35 318.14 1128.46 900.87 900.65 900.86 0.000219 2.23 318.14 118.11 118.56 1128.46 9	RC	15083.73	10-YEAR	5291.2	901.32	908.34	908.34	910.37	0.006781	12.03	511.13	756.73
NC 15063 / 3 00 / FEAR 7983 / 8 901.32 901.33 901.30 900.71 00.006/27 4.35 3/14.20 12/03 RC 15011.53 2/TEAR 2982.42 901.32 900.13 900.51 900.56 906.62 0.000567 4.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 566.57 7004.56 500.57 7004.56 500.57 7004.56 500.57 7004.56 500.54 0.000691 4.55 3169.47 1105.45 1105.47 1105.46	RC	15083.73	25-YEAR	0821.08	901.32	909	909	909.15	0.000834	4.57	2688.96	1085.63
No. 10001-EN 993.30 991.32 990.58 991.32 990.58 991.32 990.58 991.32 990.59 991.32 990.59 991.32 990.59 991.32 990.58 991.32 990.58 991.34 990.58 990.57 900.57 900.56 900.56 900.57 900.57 900.57 900.57 900.57 900.57 900.57 900.56 900.57 900.57 900.57 900.57 900.56 900.57 900.57 900.57 900.57 900.51 900.56 900.57 900.51 900.57 900.51 900.56 900.37 900.23 900.31 900.971 2.33 5181.31 1135.55 518.33 1131.55 518.33 1132.34 122.44 1133.	RC	15003.73		7909.04	901.32 001.32	909.50	909.01	909.71	0.000725	4.55	3142.00	1203.75
No. Lot Levin Job	RC	15011 53		2202 42	901.32 001.32	910.39	909.01	910.52	0.000027	4.57	708 56	586.68
No. 101 (1) 112 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 101 (1) 10	RC PC	15011.53		4141 22	901.32	900.1	905.00	900.52	0.00393	5.10	1550.07	831 22
NC Los 1 S2 - YEAR 682 / La 600 / La 900 - D 9	RC	15011.53		5201.2	901.32	907.34	900.99	907.33	0.001058	5.1 5 4 71	2003 7	966 75
RC 1501153 50-YEAR 7989.64 901.32 909.52 907.37 909.85 0.000690 4.54 4074.56 123.49 RC 14480.11 6-YEAR 930.32 910.34 907.47 910.47 0.000693 4.54 4074.56 223.013 RC 14480.11 6-YEAR 232.42 900.97 907.2 907.23 0.000219 2.32 329.94 1105.44 RC 14480.11 5-YEAR 6821.68 900.97 908.65 908.89 0.00019 2.33 5181.81 1158.15 RC 14480.11 10-YEAR 9684.08 900.97 910.28 910.31 0.000163 2.47 687.8 1311.77 RC 13373.18 5-YEAR 4115.96 895.08 907.1 902.11 907.13 0.00065 1.81 1482.99 962.35 RC 13373.18 10-YEAR 5256.79 895.08 907.1 902.11 907.13 0.000065 1.86 506.71 11442.29	RC	15011.53	25-YEAR	6821.68	901.32	908 94	907.05	909.08	0.000801	4 54	2725 71	1179 29
RC 1501153 100-YEAR 9884.08 90132 910.34 907.47 910.47 0.000805 4.54 4074.56 2220.13 RC 14480.11 2-YEAR 2392.42 900.97 905.8 905.84 9005.97 2.62 1801.44 107.72 RC 14480.11 10-YEAR 5291.2 900.97 908.6 908.89 0.00019 2.27 4198.29 1129.44 RC 14480.11 10-YEAR 6521.2 900.97 908.46 900.9078 2.33 5181.81 118.16 RC 13373.18 10-YEAR 6644.06 900.97 910.24 910.13 0.000178 2.39 5863.36 1181.41 RC 13373.18 10-YEAR 6526.79 895.08 907.1 907.13 0.000071 1.65 527.4 1065.17 RC 13373.18 10-YEAR 7523.2 993.81 907.6 903.71 903.81 900.66 90.000077 2.04 6151.77 1195.77	RC	15011.53	50-YEAR	7989.64	901.32	909.52	907.23	909.65	0.000698	4.5	3169.87	1283.49
RC 14480.11 2-YEAR 2392.42 900.97 907.2 906.84 0.000287 2.2 1901.44 1037.22 RC 14480.11 10-YEAR 521.2 900.97 907.2 907.23 0.000282 2.32 3299.4 1105.45 RC 14480.11 10-YEAR 6821.68 900.97 908.66 908.89 0.000178 2.47 418.29 1123.43 RC 14480.11 10-YEAR 9684.08 900.97 909.64 900.87 90.7 900.72 900.0163 2.47 6678.8 1301.77 RC 13373.18 6-YEAR 2374.31 805.08 907.1 902.31 907.41 0.000077 2.04 6151.77 1195.74 1207.44 1227.44 125.74 1050.15 122.04 667.83 1301.77 82.58 909.35 903.31 90.38 0.000065 1.66 22.44 6950.55 122.046 RC 13373.18 100-YEAR 5267.12 895.08 905.54 907.05<	RC	15011.53	100-YEAR	9684.08	901.32	910.34	907.47	910.47	0.000606	4.54	4074.56	2230.13
RC 14480.11 5YEAR 4141.22 900.97 907.2 907.23 907.23 2.32 3299.4 1105.45 RC 14480.11 10-YEAR 682.168 900.97 908.63 90.00071 2.33 1129.84 RC 14480.11 50-YEAR 7895.64 900.97 908.68 900.00718 2.39 5863.38 1181.11 RC 1337.18 2.YEAR 682.168 900.97 900.76 905.72 0.000056 1.38 3181.91 867.88 1301.77 RC 13373.18 2.YEAR 237.45 895.06 907.71 900.713 0.000056 1.38 3181.91 867.88 1301.77 RC 13373.18 10-YEAR 798.2 895.06 907.31 0.000076 2.04 6151.77 1195.74 RC 1337.18 10-YEAR 993.28 905.67 903.45 900.80 0.000076 2.04 695.05 512.046 RC 12798.72 2.YEAR 495.08 907.51 903.45 900.69 0.000016 2.24 657.05 599.24	RC	14480.11	2-YEAR	2392.42	900.97	905.8		905.84	0.000573	2.62	1801.44	1037.22
RC 14480.11 10-YEAR 529.1.2 900.97 908 908.03 0000219 2.27 1498.29 1158.45 RC 14480.11 25-YEAR 7989.64 900.97 909.86 908.48 900.019 2.33 5181.81 1158.15 RC 14480.11 10-YEAR 9684.08 900.97 909.44 910.31 0.000163 2.47 687.8 1301.17 RC 1337.318 5-YEAR 247.35 895.06 907.7 902.31 907.74 0.000068 1.78 8181.91 867.38 RC 1337.318 5-YEAR 4115.96 895.06 907.71 902.31 907.34 0.000077 2.04 6151.77 1195.74 RC 1337.318 50-YEAR 6778.21 895.06 903.71 903.85 0.000066 2.24 6950.55 1220.46 RC 12798.72 2-YEAR 4395.32 893.91 907.65 899.41 905.66 0.000056 1.66 2690.07 593.22 RC 12798.72 10-YEAR 5284.16 893.91 907.659	RC	14480.11	5-YEAR	4141.22	900.97	907.2		907.23	0.000282	2.32	3299.4	1105.45
RC 14480.11 25-YEAR 682.168 900.97 908.86 908.87 908.86 0000178 2.33 5181.81 1181.41 RC 14480.11 100-YEAR 968.40 900.97 910.28 910.31 0.000178 2.33 586.38 1181.41 RC 13373.18 2-YEAR 2374.35 895.06 907.7 900.76 907.71 0.000056 1.33 3181.91 887.38 RC 13373.18 15-YEAR 4115.66 895.06 907.71 903.45 900.00071 1.85 527.4 105.77 RC 13373.18 10-YEAR 7798.2 895.08 907.31 903.45 900.00056 2.24 6950.55 1220.46 RC 13373.18 10-YEAR 993.22 893.91 907.65 907.69 0.000056 1.66 2606.07 559.32 RC 12798.72 10-YEAR 680.753 893.91 907.69 900.54 907.09 0.00014 2.84 472.518 803.01 RC 12798.72 10-YEAR 583.91 907.65 909.321 <td>RC</td> <td>14480.11</td> <td>10-YEAR</td> <td>5291.2</td> <td>900.97</td> <td>908</td> <td></td> <td>908.03</td> <td>0.000219</td> <td>2.27</td> <td>4198.29</td> <td>1129.84</td>	RC	14480.11	10-YEAR	5291.2	900.97	908		908.03	0.000219	2.27	4198.29	1129.84
RC 14480.11 50-YEAR 7989.64 900.97 909.44 909.40 909.47 909.44 909.47 909.44 000.00176 2.39 588.3.88 1181.41 RC 13373.18 2-YEAR 92374.35 895.08 905.7 900.76 905.72 0.000066 1.38 3181.91 867.38 RC 13373.18 15-YEAR 4115.96 895.06 907.1 902.11 907.14 0.000066 1.21 4482.99 962.35 RC 13373.18 10-YEAR 5256.79 895.06 903.71 903.45 909.83 0.000077 1.26 6151.77 1195.17 RC 13373.18 100-YEAR 962.72 895.08 901.31 904.66 910.22 0.000056 1.66 2696.07 559.32 RC 12798.72 5-YEAR 4395.33 91 907.67 890.49 905.67 890.40 900.86 0.000056 1.66 2696.07 559.32 7787.44 1251.79 RC 12798.72 10-YEAR 524.16 893.91 907.84 901.32 907.80 <t< td=""><td>RC</td><td>14480.11</td><td>25-YEAR</td><td>6821.68</td><td>900.97</td><td>908.86</td><td></td><td>908.89</td><td>0.00019</td><td>2.33</td><td>5181.81</td><td>1158.15</td></t<>	RC	14480.11	25-YEAR	6821.68	900.97	908.86		908.89	0.00019	2.33	5181.81	1158.15
RC 14480.11 100-YEAR 9664.08 900.97 910.28 910.21 910.163 2.47 6878.8 1301.77 RC 13373.18 2-YEAR 2374.35 895.06 900.71 900.71 900.713 0.000066 1.71 4482.99 962.35 RC 13373.18 5-YEAR 4715.96 895.06 907.1 902.31 907.34 0.000066 1.71 4482.99 962.35 RC 13373.18 50-YEAR 7782.2 895.06 900.37 903.84 0.000066 1.66 151.77 1195.74 RC 13373.18 100-YEAR 7938.2 895.06 900.37 909.36 0.000066 1.66 1259.72 125.778 1251.79 RC 12798.72 2-YEAR 2435.23 893.91 907.65 907.49 0.000066 1.66 2696.07 539.32 RC 12798.72 2-YEAR 443.99 893.91 907.65 907.49 0.000142 2.41 4068.86 738.27 <td>RC</td> <td>14480.11</td> <td>50-YEAR</td> <td>7989.64</td> <td>900.97</td> <td>909.44</td> <td></td> <td>909.48</td> <td>0.000178</td> <td>2.39</td> <td>5863.38</td> <td>1181.41</td>	RC	14480.11	50-YEAR	7989.64	900.97	909.44		909.48	0.000178	2.39	5863.38	1181.41
RC 13373.18 2-YEAR 2374.35 885.08 900.7 900.76 900.75.2 0.000068 1.38 3181.91 667.38 RC 13373.18 5-YEAR 4115.96 895.08 907.1 902.11 907.13 0.000068 1.71 4482.99 962.35 RC 13373.18 10-YEAR 5256.79 895.08 908.77 903.45 908.80 0.000071 1.85 5274 1050.17 RC 13373.18 100-YEAR 9627.21 895.08 903.59 903.71 900.38 0.000086 2.24 6950.55 1220.46 RC 12798.72 2-YEAR 2395.32 893.91 907.64 901.32 907.90 0.000085 2.24 357.24 637.83 RC 12798.72 2-YEAR 680.753 893.91 907.64 901.32 907.80 0.00014 2.61 4068.88 738.27 RC 12798.72 10-YEAR 5284.16 893.91 907.84 901.32 907.90 0.000141 3.4 552.59 914.42 279.72 755.1 893.91	RC	14480.11	100-YEAR	9684.08	900.97	910.28		910.31	0.000163	2.47	6878.8	1301.77
RC 13373.18 5-YEAR 4115.66 895.08 907.1 902.11 907.13 0.000061 1.71 4482.99 962.35 RC 13373.18 10.YEAR 526.79 895.08 909.71 902.31 907.94 0.000071 2.04 6151.77 1195.74 RC 13373.18 10.YEAR 9738.2 895.08 909.35 903.71 909.38 0.000085 2.24 6950.55 1220.46 RC 12798.72 2.YEAR 2395.32 893.91 905.67 899.41 905.69 0.000085 2.24 3527.84 637.88 RC 12798.72 5.YEAR 6807.53 893.91 907.64 901.32 907.09 0.000164 2.61 4066.88 738.87 RC 12798.72 2.VEAR 6807.53 893.91 907.64 901.32 900.00132 31.6 510.05 893.61 903.71 900.33 0.000141 2.44 787.41 803.91 90.64 902.71 910.17 0.000132 31.6 510.05 230.72 230.72 230.72 230.72 230.72	RC	13373.18	2-YEAR	2374.35	895.08	905.7	900.76	905.72	0.000056	1.38	3181.91	867.38
RC 13373.18 10-YEAR 5265.79 895.08 907.91 902.33 907.94 0.000071 1.85 5274 1050.17 RC 13373.18 50-YEAR 6778.21 895.08 909.35 903.71 909.38 0.000076 2.04 6151.77 1195.74 RC 13373.18 50-YEAR 7938.2 895.08 900.567 899.41 905.69 0.000085 2.24 6950.55 1220.46 RC 12798.72 2-YEAR 2395.32 893.91 907.65 900.54 907.09 0.000085 2.24 3527.84 637.88 RC 12798.72 50-YEAR 6507.53 893.91 907.65 900.54 907.99 0.000142 2.61 4068.88 778.27 RC 12798.72 50-YEAR 6607.53 893.91 909.26 902.25 903.33 0.000142 3.16 6190.59 846.28 RC 1298.61 0-YEAR 2407.37 893.91 900.62 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 0-YEAR	RC	13373.18	5-YEAR	4115.96	895.08	907.1	902.11	907.13	0.000068	1.71	4482.99	962.35
RC 13373.18 25-YEAR 6778.21 895.08 908.71 903.85 0.000077 2.04 6151.77 1195.74 RC 13373.18 100-YEAR 9627.21 895.08 990.35 903.71 903.85 0.000065 2.24 6950.55 1220.46 RC 12798.72 5.YEAR 4143.99 993.31 907.05 900.054 907.09 0.000065 1.66 2696.07 559.32 RC 12798.72 5.YEAR 4143.99 993.31 907.65 900.054 907.09 0.000104 2.61 4068.88 738.27 RC 12798.72 50.YEAR 6607.53 893.91 907.89 0.000141 3.4 5922.59 914.42 RC 12798.72 50.YEAR 7975.51 893.91 900.68 900.664 0.000141 3.4 5922.59 914.42 RC 1296.61 2.YEAR 4477.30 893.91 907.62 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 0.YEAR 5374.39 893.91 907.62<	RC	13373.18	10-YEAR	5256.79	895.08	907.91	902.33	907.94	0.000071	1.85	5274	1050.17
RC 13373.18 50-YEAR 7938.2 695.08 903.71 909.38 0.000086 2.24 6950.55 1220.46 RC 13373.18 100-YEAR 995.08 910.29 0.000085 2.34 7987.44 1251.79 RC 12798.72 2-YEAR 4143.99 893.91 907.65 900.54 907.09 0.000085 2.24 3527.84 637.88 RC 12798.72 10-YEAR 6607.53 893.91 907.86 900.25 909.30 0.000104 2.94 4725.19 803.01 RC 12798.72 10-YEAR 661.26 893.91 910.99 902.25 903.33 0.000141 3.4 5522.59 914.42 RC 12096.61 10-YEAR 661.26 893.91 900.68 900.59 907.77 0.000163 2.68 165.63 2377.2 RC 12096.61 10-YEAR 6574.39 893.91 906.58 900.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 6574.39 893.91 906.59 907.77 <td>RC</td> <td>13373.18</td> <td>25-YEAR</td> <td>6778.21</td> <td>895.08</td> <td>908.77</td> <td>903.45</td> <td>908.8</td> <td>0.000077</td> <td>2.04</td> <td>6151.77</td> <td>1195.74</td>	RC	13373.18	25-YEAR	6778.21	895.08	908.77	903.45	908.8	0.000077	2.04	6151.77	1195.74
RC 1337318 100-YEAR 962/21 899.01 90.06 910.22 0.000085 2.34 798/74 1251.79 RC 12798.72 5-YEAR 2395.32 893.91 905.67 899.41 907.09 0.000085 2.24 3527.84 637.88 RC 12798.72 5-YEAR 5244.16 893.91 907.84 901.32 907.89 0.000104 2.24 4725.19 637.88 RC 12798.72 50-YEAR 6807.53 893.91 909.26 902.25 909.33 0.000132 3.16 5190.59 846.28 RC 12798.72 50-YEAR 7975.51 893.91 909.26 902.25 909.33 0.000141 3.4 592.59 914.42 RC 12096.61 5-YEAR 4407.37 893.91 906.58 898.74 905.64 0.000141 3.4 1353.12 230.72 RC 12096.61 5-YEAR 682.66 893.91 906.89 901.74 905.64 0.000223 3.7 2020.52 4245.98 RC 12096.61 50-YEAR	RC	13373.18	50-YEAR	7938.2	895.08	909.35	903.71	909.38	0.000086	2.24	6950.55	1220.46
RC 12798.72 2-YEAR 2395.32 833.91 905.67 899.41 905.69 0.000056 2.24 3527.84 637.84 637.84 RC 12798.72 10-YEAR 5284.16 893.91 907.05 900.54 907.89 0.000104 2.61 4068.88 738.27 RC 12798.72 25-YEAR 6807.53 893.91 908.69 901.32 900.00104 2.61 4068.88 738.27 RC 12798.72 100-YEAR 9661.26 893.91 900.25 909.33 0.000141 3.4 5922.59 914.42 RC 12096.61 2-YEAR 2407.37 893.91 905.58 898.74 905.64 0.000163 2.68 1656.35 237.2 RC 12096.61 10-YEAR 637.48 893.91 906.82 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 893.91 908.9 901.74 909.15 0.00023 4.1 2445.39 249.46 RC 12066.61 100-YEAR 893.28	RC	13373.18	100-YEAR	9627.21	895.08	910.19	904.06	910.22	0.000085	2.34	7987.44	1251.79
RC 12798.72 6*FEAR 4143.99 893.91 907.05 900.54 907.09 0.000085 2.24 3527.86 637.88 RC 12798.72 25-YEAR 6807.53 893.91 907.84 901.32 907.86 0.000121 2.94 4725.19 803.01 RC 12798.72 50-YEAR 7975.51 893.91 909.26 902.21 909.33 0.000132 3.16 5190.59 846.28 RC 12096.61 2-YEAR 2407.37 893.91 905.58 898.74 905.64 0.00004 1.84 1353.12 230.72 RC 12096.61 10-YEAR 833.91 906.88 900.59 907.77 0.00023 3.15 1832.74 240.9 RC 12096.61 10-YEAR 8042.18 833.91 900.59 907.77 0.00023 3.15 1832.74 240.9 RC 12096.61 10-YEAR 8042.18 833.91 908.9 901.74 909.15 0.00023 4.61 2331.07 2832.1 RC 12096.61 10-YEAR 8042.18	RC	12798.72	2-YEAR	2395.32	893.91	905.67	899.41	905.69	0.000056	1.66	2696.07	559.32
RC 12/98.72 10-TEAR 5244.16 893.91 907.84 907.82 907.89 0.000104 2.61 4068.88 738.27 RC 12798.72 50-YEAR 7975.51 893.91 909.26 902.25 909.33 0.000121 3.16 5190.59 846.28 RC 12096.61 2-YEAR 9661.26 893.91 905.58 898.74 906.64 0.000041 3.4 5522.59 914.42 RC 12096.61 5-YEAR 2407.37 893.91 905.58 898.74 905.64 0.000163 2.68 1656.35 237.2 RC 12096.61 10-YEAR 5374.39 983.91 907.62 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 803.91 908.39 901.74 909.15 0.000221 3.7 2020.52 245.36 RC 12096.61 10-YEAR 9751.91 893.91 909.49 902.39 909.96 0.000336 4.61 2331.07 283.21 RC 11864.69 2-YEAR	RC	12798.72	5-YEAR	4143.99	893.91	907.05	900.54	907.09	0.000085	2.24	3527.84	637.88
RC 12798.72 23-12 (25-12 RK) 600.7.53 630.7.63 901.76 0.000121 2.494 442.5.19 600.7.53 RC 12798.72 100-YEAR 9661.26 893.91 909.26 902.25 909.33 0.000132 3.16 519.058 846.28 RC 12096.61 2-YEAR 2407.37 893.91 905.56 898.74 905.64 0.000132 3.16 519.058 442.2.19 230.72 RC 12096.61 10-YEAR 4178.09 893.91 906.88 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 8682.69 893.91 906.89 901.74 909.15 0.00025 3.7 2020.52 245.36 RC 12096.61 10-YEAR 8682.69 893.91 909.64 902.39 909.96 0.00025 3.7 2020.52 245.36 RC 11684.69 2-YEAR 803.91 908.9 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 10-YEAR 975.91 <	RC	12798.72	10-YEAR	5284.16	893.91	907.84	901.32	907.89	0.000104	2.61	4068.88	738.27
RC 12798.72 300-12A 300-20 300-20 300-30		12790.72		7075 51	802.91	900.09	901.00	908.70	0.000121	2.94	4725.19 5100 50	846.29
RC 12096.1 2-YEAR 2407.37 893.91 905.65 898.74 905.64 0.0000141 2.36 0.021.05 RC 12096.61 5-YEAR 4178.09 893.91 906.88 900 906.99 0.000163 2.68 1656.35 237.2 RC 12096.61 10-YEAR 6374.39 893.91 907.62 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 6882.69 893.91 908.39 901.74 909.15 0.00029 4.1 2145.39 249.46 RC 12096.61 100-YEAR 9751.91 893.91 909.64 902.39 909.96 0.000336 4.61 2331.07 283.21 RC 11684.69 2-YEAR 2407.37 893.28 901.73 898.7 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 2-YEAR 4207.37 893.28 901.72 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 10-YEAR 5374.39	RC	12798.72	100-YEAR	9661.26	803.91	909.20	902.25	909.33	0.000132	3.10	5922 59	040.20 914 42
RC 12096.61 5-YEAR 4178.09 893.91 906.88 900.90 900.000163 2.68 1656.35 237.2 RC 12096.61 10-YEAR 5374.39 893.91 907.62 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 10-YEAR 6882.69 893.91 908.39 901.26 908.61 0.000252 3.7 2020.52 245.36 RC 12096.61 10-YEAR 897.191 893.91 908.49 902.39 909.96 0.000236 4.61 2331.07 249.46 RC 11867.11 Culvert	RC	12/006 61	2-VEAR	2/07 37	803.01	905.58	808 7/	905.64	0.000094	1.8/	1353 12	230 72
RC 12096.61 10-YEAR 5374.39 893.91 907.62 900.59 907.77 0.000203 3.15 1832.74 240.9 RC 12096.61 25-YEAR 6882.69 893.91 908.39 901.74 909.15 0.000252 3.7 2020.52 245.36 RC 12096.61 50-YEAR 8042.18 893.91 908.9 901.74 909.15 0.00029 4.1 2145.39 249.46 RC 112096.61 100-YEAR 9751.91 893.21 909.64 902.39 909.96 0.00029 4.1 2145.39 249.46 RC 11684.69 2-YEAR 2407.37 893.28 901.73 898.7 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 10-YEAR 5374.39 893.28 903.35 903.32 904.37 0.00029 5.2 1032.88 158 RC 11684.69 10-YEAR 6882.69 893.28 905.24 901.49 905.89 0.001169 6.49 1241.02 165.85 RC 11684.69 <t< td=""><td>RC</td><td>12096.61</td><td>5-YEAR</td><td>4178.09</td><td>893.91</td><td>906.88</td><td>900</td><td>906.99</td><td>0.000034</td><td>2.68</td><td>1656 35</td><td>230.72</td></t<>	RC	12096.61	5-YEAR	4178.09	893.91	906.88	900	906.99	0.000034	2.68	1656 35	230.72
RC 12096.61 25-YEAR 688.69 893.91 908.39 901.26 908.6 0.000252 3.7 2020.52 245.36 RC 12096.61 50-YEAR 8042.18 893.91 908.9 901.74 909.15 0.000252 3.7 2020.52 245.36 RC 12096.61 100-YEAR 9751.91 893.91 909.64 902.39 909.96 0.000336 4.61 2311.07 283.21 RC 11684.69 2-YEAR 2407.37 893.28 901.73 890.71 903.49 0.000701 3.6 667.77 144.04 RC 11684.69 5-YEAR 4178.09 893.28 903.35 900.32 904.37 0.000929 5.2 1032.88 158 RC 11684.69 25-YEAR 6882.69 893.28 905.24 901.49 905.89 0.00179 5.95 1156.11 162.53 RC 11684.69 50-YEAR 8042.18 893.28 905.24 901.49 905.89 0.00162 7.17 1365.22 170.65 RC 10597.41 <td< td=""><td>RC</td><td>12096.61</td><td>10-YFAR</td><td>5374.39</td><td>893.91</td><td>907.62</td><td>900.59</td><td>907.77</td><td>0.000203</td><td>3.15</td><td>1832.74</td><td>240.9</td></td<>	RC	12096.61	10-YFAR	5374.39	893.91	907.62	900.59	907.77	0.000203	3.15	1832.74	240.9
RC 12096.61 50-YEAR 8042.18 893.91 908.9 901.74 909.15 0.00029 4.1 2145.39 249.46 RC 12096.61 100-YEAR 9751.91 893.91 909.64 902.39 909.96 0.000336 4.61 2331.07 283.21 RC 11684.69 2-YEAR 2407.37 893.28 901.53 898.7 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 5-YEAR 4178.09 893.28 903.55 900.32 904.37 0.000701 3.61 667.77 144.04 RC 11684.69 10-YEAR 5374.39 893.28 903.55 900.32 904.37 0.000179 5.95 1156.11 162.53 RC 11684.69 10-YEAR 807.37 893.28 905.24 901.49 905.89 0.001169 6.49 1241.02 165.85 RC 10597.41 2-YEAR 8042.18 899.63 897.55 900.29 0.00253	RC	12096.61	25-YEAR	6882.69	893.91	908.39	901.26	908.6	0.000252	3.7	2020.52	245.36
RC 12096.61 100-YEAR 9751.91 893.91 909.64 902.39 909.96 0.000336 4.61 2331.07 283.21 RC 11857.11 Culvert -	RC	12096.61	50-YEAR	8042.18	893.91	908.9	901.74	909.15	0.00029	4.1	2145.39	249.46
RC 11857.11 Culvert Image: Constraint of the state of the sta	RC	12096.61	100-YEAR	9751.91	893.91	909.64	902.39	909.96	0.000336	4.61	2331.07	283.21
RC 11684.69 2-YEAR 2407.37 893.28 901.53 898.7 901.73 0.000701 3.61 667.77 144.04 RC 11684.69 5-YEAR 4178.09 893.28 903.17 899.71 903.49 0.000819 4.59 911.08 153.52 RC 11684.69 10-YEAR 5374.39 893.28 903.95 900.32 904.37 0.000929 5.2 1032.88 158 RC 11684.69 25-YEAR 6882.69 893.28 905.24 901.49 905.89 0.001169 6.49 1241.02 165.85 RC 11684.69 100-YEAR 9751.91 893.28 905.98 902.15 906.77 0.001262 7.17 1365.82 170.65 RC 10597.41 2-YEAR 2407.37 891.48 900.92 900.01 901.79 0.00253 6.64 407.94 169.36 RC 10597.41 2-YEAR 2407.37 891.48 901.52 901.41 0.002837 8.74 1083.35 284.49 RC 10597.41 10-YEAR	RC	11857.11		Culvert								
RC 11684.69 5-YEAR 4178.09 893.28 903.17 899.71 903.49 0.000819 4.59 911.08 153.52 RC 11684.69 10-YEAR 5374.39 893.28 903.95 900.32 904.37 0.000929 5.2 1032.88 158 RC 11684.69 25-YEAR 6882.69 893.28 904.72 901 905.27 0.001079 5.95 1156.11 162.53 RC 11684.69 50-YEAR 8042.18 893.28 905.24 901.49 905.89 0.001169 6.49 1241.02 165.85 RC 10697.41 2-YEAR 2407.37 891.48 900.92 900.01 901.79 0.001262 7.17 1365.82 170.65 RC 10597.41 2-YEAR 2407.37 891.48 900.92 900.01 901.79 0.003143 7.95 675.97 241.07 RC 10597.41 2-YEAR 6882.69 891.48 901.52 903.41 0.002837 8.74 1083.35 284.09 RC 10597.41 50-YEAR <	RC	11684.69	2-YEAR	2407.37	893.28	901.53	898.7	901.73	0.000701	3.61	667.77	144.04
RC11684.6910-YEAR5374.39893.28903.95900.32904.370.0009295.21032.88158RC11684.6925-YEAR6882.69893.28904.72901905.270.0010795.951156.11162.53RC11684.6950-YEAR8042.18893.28905.24901.49905.890.0011696.491241.02165.85RC11684.69100-YEAR9751.91893.28905.98902.15906.770.0012627.171365.82170.65RC10597.412-YEAR2407.37891.48899.63897.55900.290.002536.64407.94169.36RC10597.4110-YEAR5374.39891.48900.92900.01901.790.0031437.95675.97241.07RC10597.4110-YEAR5374.39891.48902.45901.52903.410.0028378.741083.35284.09RC10597.4110-YEAR6882.69891.48902.45901.52903.410.0023358.591316.66301.35RC10597.4110-YEAR8042.18891.48902.45901.52903.410.0023358.591316.66301.35RC10597.4110-YEAR9751.91891.48902.45901.52903.410.0023358.591316.66301.35RC9767.0482-YEAR2407.37891.25898.42897.48898.730.0015085.78	RC	11684.69	5-YEAR	4178.09	893.28	903.17	899.71	903.49	0.000819	4.59	911.08	153.52
RC11684.6925-YEAR6882.69893.28904.72901905.270.0010795.951156.11162.53RC11684.6950-YEAR8042.18893.28905.24901.49905.890.0011696.491241.02165.85RC11684.69100-YEAR9751.91893.28905.98902.15906.770.0012627.171365.82170.65RC10597.412-YEAR2407.37891.48899.63897.55900.290.002536.64407.94169.36RC10597.415-YEAR4178.09891.48900.92900.01901.790.0031437.95675.97241.07RC10597.4110-YEAR5374.39891.48901.54900.84902.510.002338.57834.37264.46RC10597.4125-YEAR6882.69891.48902.45901.52903.410.0028378.741083.35284.09RC10597.4150-YEAR8042.18891.48902.25901.9904.140.0023358.591316.66301.35RC10597.41100-YEAR9751.91891.48903.25901.9904.140.0023358.591316.66301.35RC10597.41100-YEAR9751.91891.48904.34902.41905.170.0018828.491661.59329.21RC9767.0482-YEAR4407.37891.25898.42897.48898.730.0015085.7	RC	11684.69	10-YEAR	5374.39	893.28	903.95	900.32	904.37	0.000929	5.2	1032.88	158
RC11684.6950-YEAR8042.18893.28905.24901.49905.890.0011696.491241.02165.85RC11684.69100-YEAR9751.91893.28905.98902.15906.770.0012627.171365.82170.65RC10597.412-YEAR2407.37891.48899.63897.55900.290.002536.64407.94169.36RC10597.415-YEAR4178.09891.48900.92900.01901.790.0031437.95675.97241.07RC10597.4110-YEAR5374.39891.48900.245900.84902.510.0033338.57834.37264.46RC10597.4125-YEAR6882.69891.48902.45901.52903.410.0028378.741083.35284.09RC10597.4150-YEAR8042.18891.48903.25901.9904.140.0023358.591316.66301.35RC10597.41100-YEAR9751.91891.48904.34902.41905.170.0018828.491661.59329.21RC9767.0482-YEAR2407.37891.25898.42897.48898.730.0015085.78733.18264.56RC9767.0485-YEAR4178.09891.25899.03898.24899.60.0025948.13893.19266.99RC9767.04810-YEAR5374.39891.25900.11898.67900.60.001877.7<	RC	11684.69	25-YEAR	6882.69	893.28	904.72	901	905.27	0.001079	5.95	1156.11	162.53
RC 11684.69 100-YEAR 9751.91 893.28 905.98 902.15 906.77 0.001262 7.17 1365.82 170.65 RC 10597.41 2-YEAR 2407.37 891.48 899.63 897.55 900.29 0.00253 6.64 407.94 169.36 RC 10597.41 5-YEAR 4178.09 891.48 900.92 900.01 901.79 0.003143 7.95 675.97 241.07 RC 10597.41 10-YEAR 5374.39 891.48 901.54 900.84 902.51 0.003333 8.57 834.37 264.46 RC 10597.41 25-YEAR 6882.69 891.48 902.45 901.52 903.41 0.002837 8.74 1083.35 284.09 RC 10597.41 50-YEAR 8042.18 891.48 902.25 901.9 904.14 0.002335 8.59 1316.66 301.35 RC 10597.41 100-YEAR 9751.91 891.48 902.41 905.17 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR	RC	11684.69	50-YEAR	8042.18	893.28	905.24	901.49	905.89	0.001169	6.49	1241.02	165.85
RC 10597.41 2-YEAR 2407.37 891.48 899.63 897.55 900.29 0.00253 6.64 407.94 169.36 RC 10597.41 5-YEAR 4178.09 891.48 900.92 900.01 901.79 0.003143 7.95 675.97 241.07 RC 10597.41 10-YEAR 5374.39 891.48 901.54 900.84 902.51 0.003333 8.57 834.37 264.46 RC 10597.41 25-YEAR 6882.69 891.48 902.45 901.52 903.41 0.002837 8.74 1083.35 284.09 RC 10597.41 50-YEAR 8042.18 891.48 903.25 901.9 904.14 0.002335 8.59 1316.66 301.35 RC 10597.41 100-YEAR 9751.91 891.48 902.41 905.17 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR 4407.37 891.25 898.42 897.48 898.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR	RC	11684.69	100-YEAR	9751.91	893.28	905.98	902.15	906.77	0.001262	7.17	1365.82	170.65
RC 10597.41 5-YEAR 4178.09 891.48 900.92 900.01 901.79 0.003143 7.95 675.97 241.07 RC 10597.41 10-YEAR 5374.39 891.48 901.54 900.84 902.51 0.003333 8.57 834.37 264.46 RC 10597.41 25-YEAR 6882.69 891.48 902.45 901.52 903.41 0.002837 8.74 1083.35 284.09 RC 10597.41 50-YEAR 8042.18 891.48 903.25 901.9 904.14 0.002335 8.59 1316.66 301.35 RC 10597.41 100-YEAR 9751.91 891.48 904.34 902.41 905.17 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR 2407.37 891.25 898.42 897.48 898.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR 4178.09 891.25 899.03 898.24 899.6 0.002594 8.13 893.19 266.99 RC 9767.048	RC	10597.41	2-YEAR	2407.37	891.48	899.63	897.55	900.29	0.00253	6.64	407.94	169.36
RC 10597.41 10-YEAR 5374.39 891.48 901.54 900.84 902.51 0.003333 8.57 834.37 264.46 RC 10597.41 25-YEAR 6882.69 891.48 902.45 901.52 903.41 0.002837 8.74 1083.35 284.09 RC 10597.41 50-YEAR 8042.18 891.48 903.25 901.9 904.14 0.002335 8.59 1316.66 301.35 RC 10597.41 100-YEAR 9751.91 891.48 904.34 902.41 905.17 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR 2407.37 891.25 898.42 897.48 898.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR 4178.09 891.25 899.03 898.24 899.6 0.002594 8.13 893.19 266.99 RC 9767.048 10-YEAR 5374.39 891.25 900.11 898.67 900.6 0.00187 7.7 1184.4 271.36 RC 9767.048	RC	10597.41	5-YEAR	4178.09	891.48	900.92	900.01	901.79	0.003143	7.95	675.97	241.07
RC10597.4125-YEAR6882.69891.48902.45901.52903.410.0028378.741083.35284.09RC10597.4150-YEAR8042.18891.48903.25901.9904.140.0023358.591316.66301.35RC10597.41100-YEAR9751.91891.48904.34902.41905.170.0018828.491661.59329.21RC9767.0482-YEAR2407.37891.25898.42897.48898.730.0015085.78733.18264.56RC9767.0485-YEAR4178.09891.25899.03898.24899.60.0025948.13893.19266.99RC9767.04810-YEAR5374.39891.25900.11898.67900.60.001877.71184.4271.36RC9767.04825-YEAR6882.69891.25901.49899.12901.920.0013237.31564.44277.3RC9767.04850-YEAR8042.18891.25902.51899.47902.910.0010857.121849.08282.24RC9767.048100-YEAR9751.91891.25903.75899.91904.150.009357.172201.94288.25	RC	10597.41	10-YEAR	5374.39	891.48	901.54	900.84	902.51	0.003333	8.57	834.37	264.46
INC IUS97.41 SU-YEAR 8042.18 891.48 903.25 901.9 904.14 0.002335 8.59 1316.66 301.35 RC 10597.41 100-YEAR 9751.91 891.48 904.34 902.41 905.17 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR 2407.37 891.25 898.42 897.48 898.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR 4178.09 891.25 899.03 898.24 899.6 0.002594 8.13 893.19 266.99 RC 9767.048 10-YEAR 5374.39 891.25 900.11 898.67 900.6 0.00187 7.7 1184.4 271.36 RC 9767.048 10-YEAR 5374.39 891.25 901.49 899.12 901.92 0.001323 7.3 1564.44 277.3 RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.00185 7.12 1849.08 282.24 RC 9767.048	KC DO	10597.41	25-YEAR	6882.69	891.48	902.45	901.52	903.41	0.002837	8.74	1083.35	284.09
RC 9767.048 2-YEAR 2407.37 891.25 898.42 897.48 898.73 0.001882 8.49 1661.59 329.21 RC 9767.048 2-YEAR 2407.37 891.25 898.42 897.48 898.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR 4178.09 891.25 899.03 898.24 899.6 0.002594 8.13 893.19 266.99 RC 9767.048 10-YEAR 5374.39 891.25 900.11 898.67 900.6 0.00187 7.7 1184.4 271.36 RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.001323 7.3 1564.44 277.3 RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.001085 7.12 1849.08 282.24 RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.00935 7.17 2201.94 288.25	KU BC	10597.41		8042.18	891.48	903.25	901.9	904.14	0.002335	8.59	1316.66	301.35
RC 9767.046 2-TEAR 2407.37 681.25 686.42 697.48 698.73 0.001508 5.78 733.18 264.56 RC 9767.048 5-YEAR 4178.09 891.25 899.03 898.24 899.6 0.002594 8.13 893.19 266.99 RC 9767.048 10-YEAR 5374.39 891.25 900.11 898.67 900.6 0.00187 7.7 1184.4 271.36 RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.001323 7.3 1564.44 277.3 RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.001085 7.12 1849.08 282.24 RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.00935 7.17 2201.94 288.25		0767.040	100-TEAR	9/07.07	091.48	904.34	902.41	905.17	0.001882	8.49 5.70	700.40	329.21
RC 9767.048 10-YEAR 5374.39 891.25 900.11 898.67 900.6 0.00187 7.7 1184.4 271.36 RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.00187 7.7 1184.4 271.36 RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.001323 7.3 1564.44 277.3 RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.001085 7.12 1849.08 282.24 RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.00935 7.17 2201.94 288.25		9/0/.048 0767.049		2407.37	891.25	898.42	897.48	898.73	0.001508	5.78	133.18	264.56
RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.00187 7.7 1184.4 271.30 RC 9767.048 25-YEAR 6882.69 891.25 901.49 899.12 901.92 0.00187 7.3 1564.44 277.3 RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.001085 7.12 1849.08 282.24 RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.000935 7.17 2201.94 288.25	RC	9707.040 9767.049		527/ 20	091.25 801.25	099.03	090.24 808 67	000 6	0.002594	0.13	112/ /	200.99
RC 9767.048 50-YEAR 8042.18 891.25 902.51 899.47 902.91 0.001025 7.12 1849.08 282.24 RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.000935 7.17 2201.94 288.25	RC	9767 0/8	25-YEAR	6882 60	801.25	900.11 001 /0	090.07 800 12	900.0 QA1 A2	0.00107	1.1	156/ //	211.30
RC 9767.048 100-YEAR 9751.91 891.25 903.75 899.91 904.15 0.000935 7.17 2201.94 288.25	RC	9767 048	50-YEAR	8042.09	801.25	901.49	800 17	901.92 902 01	0.001025	7 10	1849 08	211.3
	RC	9767.048	100-YEAR	9751.91	891.25	903.75	899.91	904.15	0.000935	7.12	2201.94	288.25

Table C.8Rock Creek Results for Future Conditions (SWMM Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	9473.876	2-YEAR	2407.37	891.25	898.36	894.83	898.43	0.000476	3.15	1369.84	454.37
RC	9473.876	5-YEAR	4178.09	891.25	898.92	896.35	899.07	0.000871	4.56	1627.14	468.61
RC	9473.876	10-YEAR	5374.39	891.25	900.08	896.3	900.21	0.000602	4.28	2183.05	489.96
RC	9473.876	25-YEAR	6882.69	891.25	901.51	897.46	901.63	0.000421	4.06	2907.51	516.36
RC	9473.876	50-YEAR	8042.18	891.25	902.55	897.48	902.66	0.000341	3.95	3452.71	529.92
RC	9473.876	100-YEAR	9751.91	891.25	903.82	898.29	903.93	0.000292	3.98	4132.18	548.99
RC	9310.741	2-YEAR	2398.76	891.25	898.32	894.73	898.38	0.00027	2.45	1616.53	477.32
RC	9310.741	5-YEAR	4139.75	891.25	898.85	895.64	898.96	0.000527	3.61	1870.29	487.33
RC	9310.741	10-YEAR	5270.7	891.25	900.03	896.35	900.13	0.000379	3.47	2458.4	509.56
RC	9310.741	25-YEAR	6791.46	891.25	901.48	896.88	901.57	0.000285	3.41	3216.81	539.81
RC	9310.741	50-YEAR	/94/./6	891.25	902.53	897.48	902.62	0.000241	3.39	3795.28	562.33
RC	9310.741		9021.94	091.20	903.79	097.79	903.69	0.00021	3.44	4520.01	202.95
RC	9247.697		2398.76	891.25	000 02	095.7 007.20	898.09	0.002731	7.0	315.44	483.38
RC PC	9247.097		5270.7	801.25	090.03	808.00	090.93	0.000438	3.00	2039.07	564.04
RC	9247.097	25-VEAR	6791 /6	891.25	900.02	898.09	900.11	0.000319	3.4	3552.86	583 10
RC	9247 697	50-YEAR	7947 76	891.25	902.52	898.09	902.6	0.000232	3 19	4172 31	596.99
RC	9247.697	100-YEAR	9621.94	891.25	903.79	898.09	903.87	0.000172	3.24	4938.78	612.64
RC	9196 197		Culvert						•		
RC	9146.366	2-YEAR	2398 76	889.33	895 98	894 62	897.6	0.003525	10.23	234.5	460.32
RC	9146.366	5-YEAR	4139.75	889.33	898.88	897.01	898.9	0.000071	1.47	3597.67	535.01
RC	9146.366	10-YEAR	5270.7	889.33	900.03	897.01	900.05	0.000066	1.44	4453.64	578.61
RC	9146.366	25-YEAR	6791.46	889.33	901.48	897.01	901.51	0.000063	1.6	5311.64	597.81
RC	9146.366	50-YEAR	7947.76	889.33	902.49	897.01	902.52	0.000062	1.71	5916.78	610.99
RC	9146.366	100-YEAR	9621.94	889.33	903.8	897.01	903.84	0.000062	1.88	6731.73	626.36
RC	9110.756	2-YEAR	2398.76	889.67	896.63	894.02	896.85	0.000783	3.72	645.22	144.96
RC	9110.756	5-YEAR	4139.75	889.67	898.5	895.01	898.81	0.000772	4.47	925.58	155.47
RC	9110.756	10-YEAR	5270.7	889.67	899.58	895.56	899.94	0.000749	4.8	1097.41	161.54
RC	9110.756	25-YEAR	6791.46	889.67	900.99	896.25	901.39	0.000699	5.11	1329.49	169.07
RC	9110.756	50-YEAR	7947.76	889.67	901.95	896.73	902.39	0.000659	5.31	1507.27	189
RC	9110.756	100-YEAR	9621.94	889.67	903.21	897.38	903.7	0.000611	5.6	1749.9	195.71
RC	8715.771	2-YEAR	2393.92	886.92	895.56	893.51	896.3	0.002363	6.88	348.07	68.46
RC	8715.771	5-YEAR	4135.95	886.92	896.61	895.29	898.1	0.004088	9.78	422.7	73.73
RC	8715.771	10-YEAR	5267.96	886.92	897.13	896.25	899.15	0.00519	11.41	461.51	76.33
RC	8715.771	25-YEAR	6789.52	886.92	898.16	897.39	900.59	0.005497	12.51	542.63	81.49
RC	8715.771	50-YEAR	7946.46	886.92	898.93	898.16	901.59	0.005495	13.09	607.03	85.35
RC	8/15.//1	100-YEAR	9622.85	886.92	899.72	899.17	902.88	0.005674	14.27	676.14	89.19
RC	8259.184	2-YEAR	2393.92	885.47	895.08	891.82	895.38	0.001097	4.56	642.19	435.93
RC	8259.184	5-YEAR	4135.95	885.47	896.1	893.80	896.56	0.001474	5.89	925.11	466.34
RC	0259.104	10-TEAR	5207.90	000.47	090.75	094.90	097.27	0.001515	0.30	1570.44	470.94 510.72
RC PC	8250 184	50-VEAR	7046.46	885.47	800.20	806 17	800.7	0.001037	5.68	1001 51	5/8 85
RC	8259 184	100-YEAR	9622.85	885.47	900.92	896.65	901.04	0.000022	3.00	4002.35	572 72
RC	8170 184	100 12/41	Culvert	000.11	000.02	000.00	001.01	0.000201	0.11	1002.00	012.12
RC	7917,137	2-YFAR	2393 92	884 3	893.35	890 76	894 12	0.001973	71	371 89	123 19
RC	7917.137	5-YEAR	4135.95	884.3	895.24	893.2	896.08	0.001925	7.97	736.14	219.94
RC	7917.137	10-YEAR	5267.96	884.3	896.29	894.77	897.07	0.001715	7.99	978.03	236.65
RC	7917.137	25-YEAR	6789.52	884.3	898.01	895.58	898.61	0.001193	7.33	1404.49	258.34
RC	7917.137	50-YEAR	7946.46	884.3	899.03	896.13	899.59	0.001025	7.27	1674.26	270.85
RC	7917.137	100-YEAR	9622.85	884.3	900.43	896.73	900.96	0.000854	7.21	2063.53	286.39
RC	7323.238	2-YEAR	2393.92	884.3	892.87		893.22	0.000763	4.86	599.4	217.11
RC	7323.238	5-YEAR	4135.95	884.3	894.86		895.22	0.00067	5.39	1233.61	359.08
RC	7323.238	10-YEAR	5267.96	884.3	895.99		896.31	0.000574	5.4	1658.1	392.49
RC	7323.238	25-YEAR	6789.52	884.3	897.84		898.08	0.000377	4.91	2401.97	409.5
RC	7323.238	50-YEAR	7946.46	884.3	898.9		899.12	0.00033	4.86	2840.35	417.85
RC	7323.238	100-YEAR	9622.85	884.3	900.34		900.54	0.000282	4.83	3447.18	427.66
RC	6271.714	2-YEAR	2391.98	883.23	892.06		892.36	0.000852	4.84	718.77	243.9
RC	6271.714	5-YEAR	4132.27	883.23	894.24		894.53	0.00063	5.07	1328.05	318.33
RC	6271.714	10-YEAR	5262.69	883.23	895.47		895.73	0.000524	5.06	1746	350.69
RC	6271.714	25-YEAR	6785.41	883.23	897.46		897.68	0.000388	4.93	2548.46	478.15
RC	6271.714	50-YEAR	7937.79	883.23	898.59		898.78	0.000316	4.73	3096.7	491.24
кC	6271.714	100-YEAR	9614.41	883.23	900.09		900.26	0.000256	4.58	3845.49	508.58

Table C.8 Rock Creek Results for Future Conditions (SWMM Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	6112.396	2-YEAR	2391.98	882.8	891.27	889.36	892.02	0.002328	7.08	374.45	168.74
RC	6112.396	5-YEAR	4132.27	882.8	893.22	891.48	894.17	0.002056	8.21	601.91	229.29
RC	6112.396	10-YEAR	5262.69	882.8	894.33	892.29	895.36	0.001908	8.69	738.55	270.78
RC	6112.396	25-YEAR	6785.41	882.8	896.46	893.19	897.38	0.001305	8.36	1012.02	350.16
RC	6112.396	50-YEAR	7937.79	882.8	897.5	893.81	898.47	0.001239	8.68	1149.15	373
RC	6112.396	100-YEAR	9614.41	882.8	898.87	894.63	899.92	0.001175	9.11	1334.55	420.84
RC	6058.396		Bridge								
RC	5980.438	2-YEAR	2391.98	881.92	889.2	889.2	890.54	0.007117	9.52	284.18	182.65
RC	5980.438	5-YEAR	4132.27	881.92	890.46	890.46	892.16	0.006782	11.06	443.53	235.95
RC	5980.438	10-YEAR	5262.69	881.92	891.07	891.07	893.05	0.006808	12.04	523.09	251.07
RC	5980.438	25-YEAR	6785.41	881.92	891.84	891.84	894.14	0.006736	13.12	623.04	271.29
RC	5980.438	50-YEAR	7937.79	881.92	892.37	892.37	894.9	0.006697	13.84	692.95	283.79
RC	5980.438	100-YEAR	9614.41	881.92	893.08	893.08	895.94	0.006652	14.78	788.22	300.37
RC	4838.84	2-YEAR	2391.19	878.48	887.13		887.41	0.000946	4.27	653.43	311.74
RC	4838.84	5-YEAR	4133.09	878.48	888.64		888.95	0.000836	4.82	1200.1	380.58
RC	4838.84	10-YEAR	5264.55	878.48	889.4		889.72	0.000797	5.09	1492.43	387.48
RC	4838.84	25-YEAR	6788.42	878.48	889.75		890.19	0.001065	6.06	1626.06	390.59
RC	4838.84	50-YEAR	7943.6	878.48	890.36		890.81	0.001015	6.24	1865.98	396.11
RC	4838.84	100-YEAR	9619.92	878.48	891.34		891.78	0.000885	6.3	2259.1	405
RC	4263.236	2-YEAR	2391.19	878.2	887.12		887.17	0.000176	2.32	1686.55	376.47
RC	4263.236	5-YEAR	4133.09	878.2	888.62		888.69	0.000226	2.99	2287.8	418.19
RC	4263.236	10-YEAR	5264.55	878.2	889.37		889.46	0.000256	3.37	2607.37	437.34
RC	4263.236	25-YEAR	6788.42	878.2	889.69		889.82	0.000376	4.18	2750.64	455.55
RC	4263.236	50-YEAR	7943.6	878.2	890.28		890.44	0.000409	4.54	3031.37	486.28
RC	4263.236	100-YEAR	9619.92	878.2	891.28		891.44	0.00039	4.71	3522.82	503.14
RC	4076.095	2-YEAR	2396.54	878.2	887.07		887.13	0.000239	2.23	1486.35	398.98
RC	4076.095	5-YEAR	4142.14	878.2	888.56		888.65	0.000277	2.79	2158.6	485.3
RC	4076.095	10-YEAR	5276.84	878.2	889.31		889.41	0.000279	3.02	2545.53	531.34
RC	4076.095	25-YEAR	6803.82	878.2	889.61		889.75	0.00039	3.67	2705.55	535.88
RC	4076.095	50-YEAR	7961.7	878.2	890.22		890.37	0.000387	3.85	3030.81	547.11
RC	4076.095	100-YEAR	9640.49	878.2	891.22		891.37	0.00035	3.96	3587.87	564.81
RC	3193.07	2-YEAR	2392.55	878.2	886.9		886.95	0.000183	2.64	1925.08	573.32
RC	3193.07	5-YEAR	4142.45	878.2	888.39		888.45	0.000198	3.07	2810.17	619.2
RC	3193.07	10-YEAR	5278.42	878.2	889.14		889.21	0.000204	3.29	3279.57	627.08
RC	3193.07	25-YEAR	6807.35	878.2	889.36		889.46	0.0003	4.04	3419.65	629.41
RC	3193.07	50-YEAR	7967.57	878.2	889.97		890.07	0.0003	4.19	3803.73	636.3
RC	3193.07	100-TEAR	9647.27	070.2	691		691.11	0.000272	4.24	4467	040.00
RC	2820.052	2-YEAR	2388.88	877.95	886.46		886.79	0.001063	4.73	638.96	340.54
	2820.052		4146.9	877.95	887.93		888.28	0.000971	5.27	1194.17	411.74
RC	2020.052	10-TEAR	5203.55	077.95 977.05	000.00		009.03	0.00091	5.49 7.22	1310.7	440.07
	2020.052	20-TEAR	7075	877.95 877.05	000.00		009.10	0.001003	7.33	1762.04	430.13
RC	2820.052	100-VEAR	9654.98	877.95	890.42		800.80	0.001432	6.77	2311 63	431.33
RC	2130 167		2772 70	875.66	886 22	880 17	888 30	0.001030	2.17	1065 92	760 17
RC	2139.107	5-YEAR	2113.12 1500 1	875.66	887 81	883 13	2000.30 227 0	0.000223	2.20	3254 45	800.17
RC	2139 167	10-YFAR	5705 88	875.66	888 61	884 04	888 67	0.000165	2.4 2 <u>4</u> 8	3968 51	967.81
RC	2139 167	25-YFAR	7175 77	875.66	888 43	884 61	888.52	0.000294	3 25	3787 6	947 46
RC	2139,167	50-YEAR	8291 89	875.66	889.13	884.63	889.22	0.00026	3 24	4475.67	990.89
RC	2139.167	100-YEAR	9908.63	875.66	890.37	884.86	890.44	0.000184	2.99	5716.21	1011.57
RC	2048.167		Culvert								
RC	1871 616	2-YEAR	2773 72	873.67	886.33	880.39	886.34	0.000036	1 11	3814 82	706 79
RC	1871.616	5-YEAR	4590.1	873.67	887.85	881.51	887.87	0.000048	1.47	5100.4	922.75
RC	1871.616	10-YEAR	5705.88	873.67	888.63	881.51	888.65	0.000052	1.6	5834.89	958.57
RC	1871.616	25-YEAR	7175.77	873.67	888.47	881.51	888.5	0.000088	2.07	5677.22	948.52
RC	1871.616	50-YEAR	8291.89	873.67	889.17	881.51	889.2	0.000086	2.15	6351.31	975.41
RC	1871.616	100-YEAR	9908.63	873.67	890.41	881.51	890.44	0.000075	2.16	7586.53	1017.06
RC	1766.516	2-YEAR	2388.76	873.19	886.3	877.55	886.33	0.000043	1.44	1711.07	711.3
RC	1766.516	5-YEAR	4119.02	873.19	887.78	878.55	887.85	0.000077	2.1	2068.14	864.79
RC	1766.516	10-YEAR	5224.41	873.19	888.53	879.1	888.62	0.000097	2.48	2249.58	929.05
RC	1766.516	25-YEAR	6769.71	873.19	888.28	879.83	888.45	0.000176	3.29	2190.31	920.03
RC	1766.516	50-YEAR	7918.65	873.19	888.94	880.31	889.14	0.000197	3.61	2349.26	944.2
RC	1766.516	100-YEAR	9563.19	873.19	890.39	881	890.44	0.000047	1.85	6854.08	996.26
RC	1686.516		Bridge								

Table C.8 Rock Creek Results for Future Conditions (SWMM Flows)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
RC	1598.795	2-YEAR	2388.76	872.64	884.96	877.77	885	0.000071	1.6	1510.75	669.44
RC	1598.795	5-YEAR	4119.02	872.64	886.4	878.73	886.48	0.000117	2.29	1873.96	977.69
RC	1598.795	10-YEAR	5224.41	872.64	887.13	879.25	887.24	0.000142	2.67	2061.04	1024.65
RC	1598.795	25-YEAR	6769.71	872.64	888.02	879.93	888.17	0.000176	3.14	2287	1081.85
RC	1598.795	50-YEAR	7918.65	872.64	888.62	880.4	888.8	0.000198	3.46	2439.49	1130.25
RC	1598.795	100-YEAR	9563.19	872.64	889.47	881.01	889.53	0.000083	2.35	6558.14	1205.4
RC	1512.292	2-YEAR	2388.76	872.69	884.97		884.98	0.000022	0.98	3214.31	930.38
RC	1512.292	5-YEAR	4119.02	872.69	886.42	1 1	886.45	0.000043	1.5	4711.12	1122.02
RC	1512.292	10-YEAR	5224.41	872.69	887.17	1 1	887.19	0.000047	1.65	5568.51	1176.82
RC	1512.292	25-YEAR	6769.71	872.69	888.07	1 1	888.1	0.000052	1.83	6671.21	1258.45
RC	1512.292	50-YEAR	7918.65	872.69	888.68	1 1	888.72	0.000055	1.95	7460.43	1317.26
RC	1512.292	100-YEAR	9563.19	872.69	889.47		889.51	0.000058	2.08	8527.17	1378.21
RC	1177.636	2-YEAR	2392.91	871.83	884.94		884.97	0.000069	1.98	2708.91	905
RC	1177.636	5-YEAR	4127.92	871.83	886.39	1 1	886.43	0.000081	2.32	4077.57	979.24
RC	1177.636	10-YEAR	5236.7	871.83	887.13	1 1	887.17	0.000085	2.48	4820.77	1016.93
RC	1177.636	25-YEAR	6776.64	871.83	888.04	1 1	888.08	0.00009	2.66	5759.45	1060.81
RC	1177.636	50-YEAR	7933.72	871.83	888.65	1 1	888.69	0.000092	2.77	6414.93	1083.63
RC	1177.636	100-YEAR	9579.28	871.83	889.44	<u> </u>	889.49	0.000095	2.91	7282.47	1109.95
RC	820.246	2-YEAR	2392.91	871.73	884.92		884.95	0.000055	1.84	2828.98	903.52
RC	820.246	5-YEAR	4127.92	871.73	886.37	1 1	886.4	0.000069	2.22	4198.55	991.24
RC	820.246	10-YEAR	5236.7	871.73	887.11	1 1	887.15	0.000074	2.4	4949.43	1028.65
RC	820.246	25-YEAR	6776.64	871.73	888.01	1 1	888.06	0.00008	2.6	5895.18	1073.16
RC	820.246	50-YEAR	7933.72	871.73	888.62	1 1	888.67	0.000084	2.74	6560.58	1112.8
RC	820.246	100-YEAR	9579.28	871.73	889.41	1!	889.46	0.000088	2.91	7461.81	1168.41
RC	96.2263	2-YEAR	2392.91	871.73	884.86	878.16	884.91	0.000092	1.97	2420.14	991.53
RC	96.2263	5-YEAR	4127.92	871.73	886.31	879.94	886.36	0.000093	2.19	3924.96	1076.08
RC	96.2263	10-YEAR	5236.7	871.73	887.06	880.76	887.1	0.000092	2.29	4738.65	1108.77
RC	96.2263	25-YEAR	6776.64	871.73	887.96	881.54	888	0.000092	2.42	5752.25	1139.08
RC	96.2263	50-YEAR	7933.72	871.73	888.57	882.59	888.61	0.000092	2.5	6452.91	1156.35
RC	96.2263	100-YEAR	9579.28	871.73	889.36	883.3	889.41	0.000093	2.61	7375.37	1189.78

Visitor Center





Table C.9Visitor Center Results for Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	9759.345	2-YEAR	67.22	938.37	939.08	939.08	939.27	0.025635	3.51	19.16	52.03
1	9759.345	5-YEAR	98.49	938.37	939.2	939.2	939.43	0.02415	3.81	25.95	60.56
1	9759.345	10-YEAR	117.65	938.37	939.26	939.26	939.51	0.022813	4.02	29.55	64.63
1	9759.345	25-YEAR	143.3	938.37	939.33	939.33	939.61	0.021333	4.26	34.44	69.78
1	9759.345	50-YEAR	162.39	938.37	939.38	939.38	939.68	0.02044	4.42	38.1	73.39
1	9759.345	100-YEAR	187.75	938.37	939.45	939.45	939.77	0.01888	4.56	43.42	77.8
1	9073.384	2-YEAR	152.23	928.12	929.7	929.27	929.76	0.003115	1.95	78.1	106.13
1	9073.384	5-YEAR	220.77	928.12	929.92		929.99	0.002838	2.17	102.56	113.64
1	9073.384	10-YEAR	261.74	928.12	930.05		930.12	0.002665	2.26	117.31	117.94
1	9073.384	25-YEAR	316.08	928.12	930.26		930.34	0.002078	2.25	143.41	123.76
1	9073.384	50-YEAR	357.15	928.12	930.37		930.45	0.002006	2.34	156.94	126.49
1	9073.384	100-YEAR	411.03	928.12	930.46		930.56	0.002142	2.52	168.35	128.75
1	8718.038	2-YEAR	152.23	925.36	927.49		927.86	0.01064	4.88	31.2	26.15
1	8718.038	5-YEAR	220.77	925.36	927.96		928.34	0.008533	4.94	44.66	31.1
1	8718.038	10-YEAR	261.74	925.36	928.2	000	928.59	0.007801	4.99	52.43	33.62
1	0710.030	25-TEAR	310.00	925.30	928.08	920	928.74	0.014169	0.00	46.29	32.3
1	8718.038	100 VEAR	357.15	920.30	920.20	926.15	920.93	0.013217	0.00 5.17	54.31 70.94	34.Z
1	8710.030		226.46	923.30	920.93	025.76	929.33	0.003790	6.76	24.00	24.46
1	8623.000	Z-TEAR	230.40	922.7	925.70	925.70	920.47	0.010397	7.20	34.99 47.63	24.40
1	0023.000		347.40	922.7	920.23	920.23	927.00	0.015699	7.29	47.03	29.07
1	8623.688	25-VEAR	502.93	922.7	920.40	920.40	927.30	0.015455	7.5Z 6.17	30.14	30.12
1	8623.688	50-VEAR	570.18	922.7	927.24	926.76	927.00	0.007303	6.23	02 02	11 Q5
1	8623.688	100-YEAR	658.39	922.7	927.01	927 17	928.25	0.000470	8.34	79.21	38.37
1	8472 688	100 12/11	Culvert	022.1	021111	027117	020.20	0.011000	0.01	10.21	00.07
1	8341.053	2-VEAR	236.46	010 1/	022.26	021.65	022 53	0.005262	1 1 1	57 16	36.18
1	8341 053	5-YEAR	347 46	919.14	922.20	922.07	922.89	0.008907	5 54	62.66	48.08
1	8341 053	10-YEAR	414.4	919 14	922.28	922.28	923.08	0.015661	7 16	57.84	36.4
1	8341 053	25-YEAR	502 93	919 14	922 54	922 54	923 39	0.015225	7 43	67.66	59.88
1	8341.053	50-YEAR	570.18	919.14	922.72	922.72	923.62	0.014953	7.61	74.88	76.51
1	8341.053	100-YEAR	658.39	919.14	922.94	922.94	923.88	0.013874	7.8	85.38	151.7
1	8261.463	2-YEAR	236.46	918.4	921.06	921.06	921.72	0.016613	6.52	36.26	103.01
1	8261.463	5-YEAR	347.46	918.4	921.77	921.77	922.19	0.007872	5.47	89.53	264.89
1	8261.463	10-YEAR	414.4	918.4	921.91	921.91	922.06	0.003744	3.92	211.17	273.94
1	8261.463	25-YEAR	502.93	918.4	921.91	921.91	922.13	0.005515	4.76	211.15	273.94
1	8261.463	50-YEAR	570.18	918.4	921.91	921.91	922.19	0.00709	5.4	211.13	273.94
1	8261.463	100-YEAR	658.39	918.4	921.94	921.94	922.29	0.008581	6	219.77	274.67
1	7861.642	2-YEAR	236.89	912.46	914.97	914.97	915.41	0.012777	6.09	56.7	107.97
1	7861.642	5-YEAR	345.41	912.46	915.24	915.24	915.78	0.013896	6.9	73.09	130.76
1	7861.642	10-YEAR	410.6	912.46	915.44	915.44	915.77	0.009118	5.9	126.3	137.84
1	7861.642	25-YEAR	497.01	912.46	915.52	915.48	915.93	0.010919	6.63	136.72	139.42
1	7861.642	50-YEAR	564.22	912.46	915.63	915.58	916.04	0.010568	6.78	152.65	141.81
1	7861.642	100-YEAR	652.65	912.46	915.79	915.66	916.2	0.009761	6.86	175.5	145.16
1	7208.181	2-YEAR	311.74	906.37	909.59	909.59	909.89	0.005734	5.28	131.25	222.12
1	7208.181	5-YEAR	467.02	906.37	909.79	909.79	910.14	0.006868	6.12	175.33	225.97
1	7208.181	10-YEAR	565.96	906.37	909.9	909.9	910.27	0.007361	6.53	200.06	228.11
1	7208.181	25-YEAR	692.83	906.37	910	910	910.42	0.008373	7.15	223.43	230
1	7208.181	50-YEAR	790.04	906.37	910.09	910.09	910.53	0.00866	7.44	244.09	231.32
1	/208.181	100-YEAR	921.7	906.37	910.19	910.19	910.66	0.009277	7.89	267.17	232.78
1	6453.327	2-YEAR	311.74	897.61	900.01	900.01	900.39	0.01986	4.93	63.25	84.08
1	6453.327	5-YEAR	467.02	897.61	900.24	900.24	900.73	0.01963	5.63	82.9	89.4
1	0453.327	10-YEAR	565.96	897.61	900.4	900.4	900.92	0.01/91	5.82	97.18	93.08
1	0403.321	20-TEAK	092.83	097.01	900.55	900.55	901.15	0.01/503	0.18	112.11	90.77
1	0403.321		190.04	097.01	900.07	900.07	901.31	0.016042	0.41 6 74	123.45	99.43
	0400.021		921.7	097.01	900.01	900.61	901.51	0.010023	0.74	137.48	102.02
1	5749.292		311.74	800 50	894.28		894.46	0.002617	3.44	90.51	44.66
1	5749.292		407.02	090.59 800 E0	094.0Z		090.U/	0.00271	4.04	120.00	03.00 73 50
1	57/0 202	25-VEAD	602.80	800 FO	090.1 205.20		090.4 205 72	0.002130	4.30	100.21	1 J.JZ
1	5749 202	50-YEAR	700 04	800 E0	805 59		805.07	0.002905	4.79 5.09	176.05	01.90 87 66
1	5749 292	100-YEAR	921 7	890.59	895.50	894 65	896.18	0.002990	5.00	186 5	90.60
<u> </u>	31 10.202		521.1	550.55	555.53	554.00	555.10	0.00002	0.1	100.0	50.03

Table C.9		
Visitor Center Results for	Existing	Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	4639.772	2-YEAR	539.09	882.91	886.09	886.09	886.66	0.017523	6.07	88.76	78.34
1	4639.772	5-YEAR	842.29	882.91	886.5	886.5	887.24	0.015952	6.94	121.33	81.59
1	4639.772	10-YEAR	1021.55	882.91	886.69	886.69	887.55	0.015824	7.42	137.62	83.18
1	4639.772	25-YEAR	1246	882.91	886.95	886.95	887.9	0.014677	7.83	159.19	85.26
1	4639.772	50-YEAR	1414.62	882.91	887.12	887.12	888.15	0.014161	8.15	173.98	86.66
1	4639.772	100-YEAR	1353.38	882.91	887.06	887.06	888.06	0.014302	8.03	168.78	86.17
1	3891.665	2-YEAR	539.09	879.01	882.87		882.98	0.001847	2.73	197.71	107.28
1	3891.665	5-YEAR	842.29	879.01	883.62		883.76	0.001496	3.01	280.14	111.9
1	3891.665	10-YEAR	1021.55	879.01	884.02		884.17	0.001376	3.14	324.92	114.25
1	3891.665	25-YEAR	1246	879.01	884.45		884.62	0.001278	3.33	374.87	116.63
1	3891.665	50-YEAR	1414.62	879.01	884.75		884.94	0.001232	3.46	409.98	118.45
1	3891.665	100-YEAR	1353.38	879.01	884.65		884.83	0.001238	3.41	398.3	117.84
1	3033.514	2-YEAR	539.09	876.42	880.85	879.58	881.1	0.002606	4.01	134.39	95.11
1	3033.514	5-YEAR	842.29	876.42	881.81	880.19	882.12	0.002465	4.49	187.38	106.64
1	3033.514	10-YEAR	1021.55	876.42	882.28	880.52	882.63	0.002381	4.74	215.51	112.4
1	3033.514	25-YEAR	1246	876.42	882.73	880.89	883.14	0.00237	5.13	244.44	118.25
1	3033.514	50-YEAR	1414.62	876.42	883.01	881.14	883.47	0.002436	5.44	263.04	121.86
1	3033.514	100-YEAR	1353.38	876.42	882.97	881.05	883.4	0.002311	5.26	259.98	121.27
1	164.1859	2-YEAR	610.61	868.48	872.95	871.44	873.29	0.00283	4.68	130.41	42.04
1	164.1859	5-YEAR	965.5	868.48	874.06	872.28	874.51	0.002826	5.36	180.01	46.95
1	164.1859	10-YEAR	1178.09	868.48	874.63	872.7	875.13	0.002829	5.68	207.26	49.44
1	164.1859	25-YEAR	1384.05	868.48	875.13	873.07	875.68	0.002826	5.95	232.62	51.65
1	164.1859	50-YEAR	1487.64	868.48	875.36	873.25	875.94	0.002829	6.08	244.67	52.7
1	164.1859	100-YEAR	1528.04	868.48	875.44	873.32	876.03	0.002825	6.14	248.77	53.12

Table C.10Visitor Center Results for Future Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	9759.345	2-YEAR	76.92	938.37	939.12	939.12	939.32	0.024928	3.61	21.36	54.95
1	9759.345	5-YEAR	109.17	938.37	939.23	939.23	939.47	0.023649	3.95	27.85	62.74
1	9759.345	10-YEAR	128.27	938.37	939.29	939.29	939.55	0.022177	4.13	31.56	66.79
1	9759.345	25-YEAR	153.64	938.37	939.36	939.36	939.65	0.020832	4.35	36.42	71.76
1	9759.345	50-YEAR	172.51	938.37	939.41	939.41	939.72	0.019532	4.46	40.39	75.57
1	9759.345	100-YEAR	197.46	938.37	939.47	939.47	939.8	0.018639	4.63	45.21	78.33
1	9073.384	2-YEAR	165.84	928.12	929.74	929.3	929.8	0.003123	2.02	82.46	107.51
1	9073.384	5-YEAR	235.84	928.12	929.96		930.04	0.002792	2.21	107.74	115.17
1	9073.384	10-YEAR	276.45	928.12	930.09		930.17	0.002613	2.29	122.5	119.42
1	9073.384	25-YEAR	330.65	928.12	930.3		930.38	0.002054	2.28	148.18	124.73
1	9073.384	30-1 EAR	070.9 424 19	928.12	931.18		931.29	0.001425	2.69	208.89	149.74
1	9073.304		424.10	920.12	930.49		930.39	0.00213	2.33	24 77	129.5
1	07 10.030 9719 039		235.84	925.30	927.02		927.90	0.00944	4.77	34.77 47.08	27.00
1	8718 038	10-VEAR	233.04	925.30	920.07		920.44	0.008030	4.92	47.90 55.73	32.2 34.64
1	8718 038	25-YEAR	330.65	925.36	928.15	928.05	928.81	0.0073669	6.53	50.64	33.05
1	8718.038	50-YEAR	670.9	925.36	928.99	928.99	930.04	0.014127	8 21	82 14	41 91
1	8718.038	100-YEAR	424.18	925.36	929.01	020.00	929.42	0.005491	5.15	82.88	42.09
1	8623.688	2-YEAR	265.03	922.7	925.89	925,89	926.63	0.016349	6.93	38.26	25.73
1	8623.688	5-YEAR	375.83	922.7	926.34	926.34	927.19	0.015682	7.39	50.86	30.13
1	8623.688	10-YEAR	442.16	922.7	926.57	926.57	927.47	0.015292	7.6	58.14	32.4
1	8623.688	25-YEAR	530.48	922.7	927.46	926.84	928	0.006016	5.92	90.75	41.41
1	8623.688	50-YEAR	596.6	922.7	927.52	927.02	928.17	0.007	6.5	93.34	42.06
1	8623.688	100-YEAR	683.7	922.7	927.22	927.22	928.33	0.014035	8.46	81.19	38.9
1	8472.688		Culvert								
1	8341.053	2-YEAR	265.03	919.14	922.4	921.76	922.68	0.005277	4.26	62.23	47.05
1	8341.053	5-YEAR	375.83	919.14	922.47	922.15	922.99	0.009427	5.78	65.08	53.84
1	8341.053	10-YEAR	442.16	919.14	922.36	922.36	923.18	0.015474	7.25	61.02	44.11
1	8341.053	25-YEAR	530.48	919.14	922.61	922.61	923.49	0.015109	7.51	70.64	66.7
1	8341.053	50-YEAR	596.6	919.14	922.78	922.78	923.7	0.014875	7.69	77.55	91.78
1	8341.053	100-YEAR	683.7	919.14	923	923	923.95	0.013354	7.83	89.2	184.68
1	8261.463	2-YEAR	265.03	918.4	921.19	921.19	921.87	0.016198	6.65	39.87	118.08
1	8261.463	5-YEAR	375.83	918.4	921.83	921.83	922.26	0.007833	5.55	98.44	268.99
1	8261.463	10-YEAR	442.16	918.4	921.91	921.91	922.08	0.004262	4.18	211.17	273.94
1	8261.463	25-YEAR	530.48	918.4	921.91	921.91	922.16	0.006137	5.02	211.13	273.94
1	8261.463	100 VEAR	596.b	918.4	921.92	921.92	922.22	0.007585	5.6 6.14	213.18	274.11
1	7961 642	100-TEAR	003.7	910.4	921.95	921.95	922.31	0.000907	0.14	223.25	275.04
1	7001.042		202.00	912.40	915.04	915.04	915.51	0.013131	0.31	00.75 76.74	110.49
1	7861.642	10-VEAR	371.0 436.51	912.40	915.5	915.5	915.60	0.014090	6.27	126 29	132.07
1	7861 642	25-YEAR	525 54	912.40	915.56	915.52	915.98	0.010948	6 74	142 62	140.31
1	7861.642	50-YEAR	591.8	912.46	915.72	915.6	916.1	0.009332	6.57	165.88	143.76
1	7861.642	100-YEAR	679.36	912.46	915.88	915.7	916.26	0.008678	6.65	188.86	147.09
1	7208.181	2-YEAR	351.11	906.37	909.65	909.65	909.96	0.006034	5.51	143.74	223.22
1	7208.181	5-YEAR	512.44	906.37	909.84	909.84	910.2	0.007169	6.34	186.29	226.92
1	7208.181	10-YEAR	609.48	906.37	909.94	909.94	910.32	0.007677	6.73	208.86	228.86
1	7208.181	25-YEAR	734.16	906.37	910.04	910.04	910.47	0.008404	7.24	233.39	230.64
1	7208.181	50-YEAR	921.7	906.37	910.19	910.19	910.66	0.009277	7.89	267.17	232.78
1	7208.181	100-YEAR	1067.48	906.37	910.29	910.29	910.8	0.009835	8.32	291.43	234.31
1	6453.327	2-YEAR	351.11	897.61	900.08	900.08	900.48	0.01939	5.09	68.92	85.65
1	6453.327	5-YEAR	512.44	897.61	900.32	900.32	900.82	0.018149	5.66	90.52	91.38
1	6453.327	10-YEAR	609.48	897.61	900.44	900.44	901	0.018241	6	101.51	94.16
1	6453.327	25-YEAR	734.16	897.61	900.6	900.6	901.22	0.017121	6.28	117.03	97.94
1	6453.327	50-YEAR	921.7	897.61	900.81	900.81	901.51	0.016023	6.74	137.48	102.62
1	6453.327	100-YEAR	1067.48	897.61	900.95	900.95	901.73	0.015556	7.08	152.35	105.89
1	5749.292	2-YEAR	351.11	890.59	894.41		894.61	0.002753	3.65	96.32	47.46
1	5749.292		512.44	890.59	894.92 805 0		895.2	0.002837	4.25	125.46	67.94
1	5749.292		009.48	090.59	095.Z		095.51	0.002813	4.52	140.4	/6.44
1	5749.292	20-TEAK	134.10	090.59	090.40	904 GF	090.03	0.002990	4.94 5.40	106.00	02.64
1	5749 292	100-YFAR	1067.48	890.59	896.02	894.95	896.53	0.00343	5.9	217.54	93.04 99.91
											00.01

Table C.10 Visitor Center Results for Future Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	4639.772	2-YEAR	586.28	882.91	886.16	886.16	886.76	0.017113	6.22	94.28	78.9
1	4639.772	5-YEAR	894.23	882.91	886.56	886.56	887.33	0.01569	7.06	126.72	82.12
1	4639.772	10-YEAR	1074.24	882.91	886.75	886.75	887.63	0.015763	7.55	142.32	83.63
1	4639.772	25-YEAR	1293.37	882.91	887	887	887.97	0.014489	7.92	163.5	85.67
1	4639.772	50-YEAR	1547.07	882.91	887.24	887.24	888.34	0.013995	8.42	184.57	87.64
1	4639.772	100-YEAR	1739.2	882.91	887.43	887.43	888.61	0.013423	8.71	201.19	89.17
1	3891.665	2-YEAR	586.28	879.01	882.99		883.11	0.001776	2.78	210.99	108.04
1	3891.665	5-YEAR	894.23	879.01	883.74		883.89	0.001454	3.04	293.71	112.64
1	3891.665	10-YEAR	1074.24	879.01	884.12		884.28	0.00135	3.19	336.87	114.82
1	3891.665	25-YEAR	1293.37	879.01	884.54		884.71	0.001263	3.37	384.99	117.14
1	3891.665	50-YEAR	1547.07	879.01	884.97		885.17	0.001203	3.56	439.08	150.38
1	3891.665	100-YEAR	1739.2	879.01	885.29		885.5	0.001154	3.68	494.65	201.62
1	3033.514	2-YEAR	586.28	876.42	881.01	879.69	881.27	0.002598	4.11	142.63	97
1	3033.514	5-YEAR	894.23	876.42	881.95	880.29	882.28	0.002457	4.57	195.71	108.33
1	3033.514	10-YEAR	1074.24	876.42	882.39	880.6	882.76	0.002364	4.83	222.79	113.9
1	3033.514	25-YEAR	1293.37	876.42	882.81	880.96	883.24	0.002388	5.22	249.77	119.3
1	3033.514	50-YEAR	1547.07	876.42	883.19	881.33	883.69	0.00254	5.7	275.2	124.15
1	3033.514	100-YEAR	1739.2	876.42	883.49	881.6	884.04	0.002583	6	296.22	133.97
1	164.1859	2-YEAR	659.29	868.48	873.12	871.57	873.47	0.002829	4.79	137.6	42.78
1	164.1859	5-YEAR	1020	868.48	874.21	872.41	874.68	0.002825	5.45	187.16	47.61
1	164.1859	10-YEAR	1235.24	868.48	874.77	872.81	875.29	0.002828	5.76	214.41	50.07
1	164.1859	25-YEAR	1413.45	868.48	875.2	873.12	875.75	0.002826	5.99	236.15	51.95
1	164.1859	50-YEAR	1523.65	868.48	875.43	873.31	876.02	0.002825	6.14	248.33	53.07
1	164.1859	100-YEAR	1661.4	868.48	875.68	873.54	876.31	0.002825	6.35	261.86	54.45

Table C.11Visitor Center Results for Improvement Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	9759.345	2-YEAR	76.92	938.37	939.12	939.12	939.32	0.024928	3.61	21.36	54.95
1	9759.345	5-YEAR	109.17	938.37	939.23	939.23	939.47	0.023649	3.95	27.85	62.74
1	9759.345	10-YEAR	128.27	938.37	939.29	939.29	939.55	0.022177	4.13	31.56	66.79
1	9759.345	25-YEAR	153.64	938.37	939.36	939.36	939.65	0.020143	4.3	36.84	72.17
1	9759.345	50-YEAR	172.51	938.37	939.41	939.41	939.72	0.019532	4.46	40.39	75.57
1	9759.345	100-YEAR	197.46	938.37	939.47	939.47	939.8	0.018639	4.63	45.21	78.33
1	9073.384	2-YEAR	165.84	928.12	929.74	929.3	929.8	0.003123	2.02	82.46	107.51
1	9073.384	5-YEAR	235.84	928.12	929.96		930.04	0.002792	2.21	107.74	115.17
1	9073.384	10-YEAR	276.45	928.12	930.09		930.17	0.002613	2.29	122.5	119.42
1	9073.384	25-YEAR	330.65	928.12	930.25		930.33	0.002378	2.39	141.38	123.35
1	9073.384	50-YEAR	670.9	928.12	931.18		931.29	0.001426	2.69	268.83	149.73
1	9073.384	100-YEAR	424.18	928.12	930.49		930.59	0.00213	2.55	172.17	129.5
1	8718.038	2-YEAR	165.84	925.36	927.62		927.98	0.00944	4.77	34.77	27.55
1	8718.038	5-YEAR	235.84	925.36	928.07		928.44	0.008036	4.92	47.98	32.2
1	8718.038	10-YEAR	276.45	925.36	928.3		928.68	0.007389	4.96	55.73	34.64
1	8718.038	25-YEAR	330.65	925.36	928.59	000.00	928.98	0.006631	4.99	66.32	37.71
1	8718.038		670.9	925.36	928.99	928.99	930.04	0.014127	8.21	82.14	41.91
1	8622.699		424.10	925.50	929.01	025.80	929.42	0.003491	0.10	02.00	42.09
1	0023.000		205.03	922.7	925.69	925.69	920.03	0.016349	0.93	30.20	20.73
1	0023.000	JO VEAR	375.03	922.7	920.34	920.34	927.19	0.015062	7.39	50.00	30.13
1	8623.688	25-VEAR	442.10 530.48	922.7	920.37	920.57	927.47	0.015292	7.0	50.14	32.4
1	8623.688	50-VEAR	596.6	922.7	920.04	920.04	927.01	0.013044	7.09	73.68	36.82
1	8623.688	100-YEAR	683.7	922.7	927.02	927.02	928.33	0.014035	8.46	81 19	38.9
1	8472 688	100 12/11	Culvert	022.1	027.22	021.22	020.00	0.011000	0.10	01.10	00.0
1	83/1 053	2-VEAR	265.03	010 1/	922.4	921 76	022.68	0.005277	1 26	62.23	47.05
1	8341 053	5-YEAR	375.83	919.14	922.4	922.15	922.00	0.009427	4.20 5.78	65.08	53.84
1	8341.053	10-YEAR	442 16	919.14	922.36	922.36	923.18	0.005427	7 25	61.02	44 11
1	8341.053	25-YEAR	530.48	919.14	922.61	922.61	923 49	0.015109	7.51	70.64	66.7
1	8341.053	50-YEAR	596.6	919.14	922.78	922.78	923.7	0.014875	7.69	77.55	91.78
1	8341.053	100-YEAR	683.7	919.14	923.01	923.01	923.95	0.013133	7.79	90.43	191.42
1	8261.463	2-YEAR	265.03	918.4	921.19	921.19	921.87	0.016198	6.65	39.87	118.08
1	8261.463	5-YEAR	375.83	918.4	921.83	921.83	922.26	0.007833	5.55	98.44	268.99
1	8261.463	10-YEAR	442.16	918.4	921.91	921.91	922.08	0.004262	4.18	211.17	273.94
1	8261.463	25-YEAR	530.48	918.4	921.91	921.91	922.16	0.006137	5.02	211.13	273.94
1	8261.463	50-YEAR	596.6	918.4	921.92	921.92	922.22	0.007585	5.6	213.18	274.11
1	8261.463	100-YEAR	683.7	918.4	921.95	921.95	922.31	0.008907	6.14	223.25	275.04
1	7861.642	2-YEAR	262.65	912.46	915.04	915.04	915.51	0.013131	6.31	60.75	115.49
1	7861.642	5-YEAR	371.6	912.46	915.3	915.3	915.86	0.014098	7.07	76.74	132.87
1	7861.642	10-YEAR	436.51	912.46	915.44	915.44	915.82	0.010307	6.27	126.29	137.84
1	7861.642	25-YEAR	525.54	912.46	915.56	915.52	915.98	0.010948	6.74	142.62	140.31
1	7861.642	50-YEAR	591.8	912.46	915.72	915.6	916.1	0.009332	6.57	165.88	143.76
1	7861.642	100-YEAR	679.36	912.46	915.88	915.7	916.26	0.008678	6.65	188.86	147.09
1	7208.181	2-YEAR	351.11	906.37	909.65	909.65	909.96	0.006034	5.51	143.74	223.22
1	7208.181	5-YEAR	512.44	906.37	909.84	909.84	910.2	0.007169	6.34	186.29	226.92
1	7208.181	10-YEAR	609.48	906.37	909.94	909.94	910.32	0.007677	6.73	208.86	228.86
1	7208.181	25-YEAR	734.16	906.37	910.04	910.04	910.47	0.008404	7.24	233.39	230.64
1	7208.181	50-YEAR	921.7	906.37	910.19	910.19	910.66	0.009277	7.89	267.17	232.78
1	1208.181		1067.48	906.37	910.29	910.29	910.8	0.009835	8.32	291.43	234.31
1	6453.327	2-YEAR	351.11	897.61	900.08	900.08	900.48	0.01939	5.09	68.92	85.65
1	6453.327		512.44	897.61	900.32	900.32	900.82	0.018149	5.66	90.52	91.38
1	0403.327	10-1EAK	009.48	097.01	900.44	900.44	901	0.018241	6 00	101.51	94.16
1	0403.327 6452.207	20-1 EAR	134.10	097.01	900.6	900.6	901.22	0.01/121	0.28 6.74	117.03	97.94
1	6/52 227		921.7 1067 /0	807 61	900.01 000.05	900.01 000.05	901.31 001 72	0.016023	0.74 7.00	157.48	102.02
1	5740 000		254 44	000 50	900.93	900.95	301.73	0.010000	1.00	102.30	100.09
1	5749.292	Z-TEAK	512 //	090.59 800 FO	094.41		094.01	0.002/53	3.05	90.32	47.40
1	5749.292		512.44	090.59 800 FO	094.92		805 F1	0.002037	4.25	1/20.40	07.94 76 44
1	5749.292	25-VEAD	724 46	800 50	090.Z		090.01 QGE 00	0.002013	4.52	140.4	/ 0.44
1	57/0 202		021 7	800 F0	090.40 205 0	801 65	806 24	0.002990	4.94 5.40	106.00	04
1	5749.292		1067 48	800.59	806 02	894.00	896 53	0.003231	5.49	217 54	93.04 QQ Q1
I	51 73.232		1007.40	090.39	090.02	034.30	090.00	0.00043	5.9	211.34	55.51

Table C.11Visitor Center Results for Improvement Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
1	4639.772	2-YEAR	586.28	882.91	886.16	886.16	886.76	0.017113	6.22	94.28	78.9
1	4639.772	5-YEAR	894.23	882.91	886.56	886.56	887.33	0.01569	7.06	126.72	82.12
1	4639.772	10-YEAR	1074.24	882.91	886.75	886.75	887.63	0.015763	7.55	142.32	83.63
1	4639.772	25-YEAR	1293.37	882.91	887	887	887.97	0.014489	7.92	163.5	85.67
1	4639.772	50-YEAR	1547.07	882.91	887.24	887.24	888.34	0.013995	8.42	184.57	87.64
1	4639.772	100-YEAR	1739.2	882.91	887.43	887.43	888.61	0.013423	8.71	201.19	89.17
1	3891.665	2-YEAR	586.28	879.01	882.99		883.11	0.001776	2.78	210.99	108.04
1	3891.665	5-YEAR	894.23	879.01	883.74		883.89	0.001454	3.04	293.71	112.64
1	3891.665	10-YEAR	1074.24	879.01	884.12		884.28	0.00135	3.19	336.87	114.82
1	3891.665	25-YEAR	1293.37	879.01	884.54		884.71	0.001263	3.37	384.99	117.14
1	3891.665	50-YEAR	1547.07	879.01	884.97		885.17	0.001203	3.56	439.08	150.38
1	3891.665	100-YEAR	1739.2	879.01	885.29		885.5	0.001154	3.68	494.65	201.62
1	3033.514	2-YEAR	586.28	876.42	881.01	879.69	881.27	0.002598	4.11	142.63	97
1	3033.514	5-YEAR	894.23	876.42	881.95	880.29	882.28	0.002457	4.57	195.71	108.33
1	3033.514	10-YEAR	1074.24	876.42	882.39	880.6	882.76	0.002364	4.83	222.79	113.9
1	3033.514	25-YEAR	1293.37	876.42	882.81	880.96	883.24	0.002388	5.22	249.77	119.3
1	3033.514	50-YEAR	1547.07	876.42	883.19	881.33	883.69	0.00254	5.7	275.2	124.15
1	3033.514	100-YEAR	1739.2	876.42	883.49	881.6	884.04	0.002583	6	296.22	133.97
1	164.1859	2-YEAR	659.29	868.48	873.12	871.57	873.47	0.002829	4.79	137.6	42.78
1	164.1859	5-YEAR	1020	868.48	874.21	872.41	874.68	0.002825	5.45	187.16	47.61
1	164.1859	10-YEAR	1235.24	868.48	874.77	872.81	875.29	0.002828	5.76	214.41	50.07
1	164.1859	25-YEAR	1413.45	868.48	875.2	873.12	875.75	0.002826	5.99	236.15	51.95
1	164.1859	50-YEAR	1523.65	868.48	875.43	873.31	876.02	0.002825	6.14	248.33	53.07
1	164.1859	100-YEAR	1661.4	868.48	875.68	873.54	876.31	0.002825	6.35	261.86	54.45

Wilson Creek





Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	18045.96	2-YEAR	253	908.86	910.97	909.78	910.97	0.000445	0.72	383.46	347.11
Tributary	18045.96	5-YEAR	377	908.86	911.56	909.93	911.57	0.000246	0.75	619.3	467.88
Tributary	18045.96	10-YEAR	454	908.86	911.89	910.02	911.9	0.000203	0.78	781.49	530.27
Tributary	18045.96	25-YEAR	545	908.86	912.25	910.09	912.26	0.000169	0.8	984.32	606.65
Tributary	18045.96	50-YEAR	634	908.86	912.58	910.29	912.59	0.000143	0.81	1209.22	/34./2
Tributary	18045.96	100-YEAR	738	908.86	912.96	910.38	912.97	0.000111	0.79	1509.56	846.32
Tributary	18015.11		Cuivert	007.00	000 7	000 7	000.40	0.044500	F 7F	50.04	00.00
Tributary	17984.25	Z-YEAR	253	907.32	908.7	908.7	909.16	0.014508	5.75	56.21	69.62
Tributary	17984.20	3-1 EAR	377	907.32	909	909	909.54	0.014159	6.39 6.44	19.24	80.57 116 2
Tributary	17904.25	25-VEAR	404 5/5	907.32	000.83	909.20	909.79	0.01223	1 50	200.16	273 /1
Tributary	17984 25	50-YEAR	634	907.32	910.66		910.03	0.0000000	2.36	475.68	352.02
Tributary	17984.25	100-YEAR	738	907.32	911.86		911.87	0.000224	1.31	974.75	467.59
Tributary	17655.92	2-YEAR	253	904.01	907.08	905.31	907.19	0.000943	2.75	91.97	53.32
Tributary	17655.92	5-YEAR	377	904.01	908.02	905.71	908.17	0.000858	3.14	120.17	167.39
Tributary	17655.92	10-YEAR	454	904.01	908.56	905.94	908.73	0.000816	3.33	136.4	206.31
Tributary	17655.92	25-YEAR	545	904.01	909.36	906.18	909.54	0.000682	3.39	160.61	259.96
Tributary	17655.92	50-YEAR	634	904.01	910.23	906.41	910.41	0.000561	3.4	186.52	348.21
Tributary	17655.92	100-YEAR	738	904.01	911.57	906.67	911.73	0.000397	3.26	226.68	576.37
Tributary	17611.55		Culvert								
Tributary	17567.17	2-YEAR	253	903.64	906.77	904.81	906.81	0.00038	1.59	159.61	163.74
Tributary	17567.17	5-YEAR	377	903.64	907.61	905.12	907.66	0.00034	1.8	209.72	291.29
Tributary	17567.17	10-YEAR	454	903.64	908.09	905.29	908.15	0.00032	1.9	238.79	361.89
Tributary	17567.17	25-YEAR	545	903.64	908.66	905.46	908.72	0.000295	2	272.96	447.61
Tributary	17567.17	50-YEAR	634	903.64	909.21	905.62	909.28	0.000273	2.07	306.03	553.65
Tributary	17567.17	100-YEAR	738	903.64	910.11	905.78	910.12	0.000048	0.83	1579.89	594.49
Tributary	17303.28	2-YEAR	253	902.95	906.63		906.68	0.000693	1.65	154.81	92.22
Tributary	17303.28	5-YEAR	377	902.95	907.51		907.54	0.000481	1.57	250.54	129.39
Tributary	17303.28	10-YEAR	454	902.95	908.01		908.04	0.000387	1.5	321.16	152.54
Tributary	17303.20	20-TEAR	545	902.95	900.0		900.03	0.000299	1.41	422.79	195.70
Tributary	17303.20	100-YEAR	738	902.95	910.08		910.09	0.000223	1.01	906.14	481.34
Tributary	17032.19	2-YEAR	253	902.88	906.31	904.33	906.44	0.000879	2.85	88.92	75.53
Tributary	17032.19	5-YEAR	377	902.88	907 14	904.76	907.32	0.000948	3 41	110 44	140.00
Tributary	17032.19	10-YEAR	454	902.88	907.62	905.01	907.83	0.000963	3.69	122.87	191.68
Tributary	17032.19	25-YEAR	545	902.88	908.19	905.28	908.43	0.000952	3.96	137.59	257.86
Tributary	17032.19	50-YEAR	634	902.88	908.74	905.54	909.01	0.000926	4.17	151.88	445.6
Tributary	17032.19	100-YEAR	738	902.88	909.97	905.83	910.03	0.00027	2.37	598.5	606.13
Tributary	16974.83		Culvert								
Tributary	16917.47	2-YEAR	253	902.69	905.75	903.62	905.79	0.000341	1.65	153.07	119.15
Tributary	16917.47	5-YEAR	377	902.69	906.18	903.9	906.25	0.000491	2.16	174.26	127.04
Tributary	16917.47	10-YEAR	454	902.69	906.33	904.06	906.43	0.000615	2.49	182.13	129.96
Tributary	16917.47	25-YEAR	545	902.69	906.48	904.23	906.61	0.000777	2.88	189.44	136.64
Tributary	16917.47	50-YEAR	634	902.69	906.61	904.4	906.78	0.000936	3.23	196.18	155.37
Tributary	16917.47	100-YEAR	/38	902.69	906.85	904.58	906.9	0.000372	1.76	427.34	1/4./4
i ributary	16670.08		253	901.1	905.76	901.77	905.76	0.000024	0.53	507.86	254.37
Tributory	16670.00		3/1	901.1	906.19	901.97	906.19	0.000037	0.71	501.07 611.05	290.61
Tributary	16670.08	25-YEAR	404 575	901.1 001.1	900.35 006 5	902.08	900.30 QAR 51	0.000048	0.82	6/2 01	300.98
Tributary	16670.08	50-YEAR	634	901.1	906 64	902.33	906.66	0.000002	1.07	671.3	334 47
Tributary	16670.08	100-YEAR	738	901.1	906.82	902.45	906.84	0.00009	1.19	710.47	352.51
Tributary	16487.01	2-YEAR	461	900.93	905.72	902.22	905.75	0.000169	1.34	361.12	217.82
Tributary	16487.01	5-YEAR	685	900.93	906.12	902.59	906.17	0.000261	1.78	424.98	275.36
Tributary	16487.01	10-YEAR	817	900.93	906.26	902.8	906.33	0.000328	2.05	450.34	303.89
Tributary	16487.01	25-YEAR	1006	900.93	906.38	903.06	906.47	0.000451	2.44	472.55	335.04
Tributary	16487.01	50-YEAR	1143	900.93	906.5	903.25	906.61	0.00053	2.69	496.44	383.78
Tributary	16487.01	100-YEAR	1323	900.93	906.65	903.46	906.79	0.000626	2.99	531.19	397.26
Tributary	16375.16	2-YEAR	461	900.91	905.71		905.72	0.000194	1.26	601.75	276.83
Tributary	16375.16	5-YEAR	685	900.91	906.11		906.13	0.000261	1.59	717.39	296.54
Tributary	16375.16	10-YEAR	817	900.91	906.25		906.28	0.000317	1.79	760.06	303.44
Tributary	16375.16	25-YEAR	1006	900.91	906.37		906.41	0.000424	2.12	795.8	309.59
Tributary	16375.16	50-YEAR	1143	900.91	906.49		906.54	0.000485	2.31	833.12	317.36
I ributary	16375.16	100-YEAR	1323	900.91	906.64		906.7	0.000558	2.55	882.27	328.37

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(CTS)	(π)	(π)	(π)	(π)	(11/11)	(ft/s)	(sq π)	(π)
Tributary	16013.58	2-YEAR	461	899.89	905.65		905.66	0.000142	1.19	635.93	278.95
Tributary	16013.58	5-YEAR	685	899.89	906.02		906.05	0.000209	1.54	745.4	300.73
Tributary	16013.58	10-YEAR	817	899.89	906.15		906.18	0.000263	1.70	782.3	307.72
Tributary	16013.58	20-TEAR	1000	899.89	906.22		906.27	0.00037	2.11	805.08	312.07
Tributary	16013.50		1143	099.09 800.80	906.32		900.37	0.000430	2.33	030.32 874.04	317.47
Tributory	15562.42		1525	000.07	005 59	002.80	300.3 005.6	0.000321	2.00	014.04	640.14
Tributary	15563.42		401	808.87	905.50	902.09	905.0	0.000131	1.20	1020.42	715 34
Tributary	15563.42	10-YEAR	817	898.87	905.94	903.39 903.39	905.95	0.000202	1.55	1021.09	715.34
Tributary	15563 42	25-YEAR	1006	898 87	906.07	904 45	906.1	0.000240	2 12	1096 17	727 53
Tributary	15563.42	50-YEAR	1143	898.87	906.13	904.58	906.17	0.000426	2.32	1135.31	732.87
Tributary	15563.42	100-YEAR	1323	898.87	906.22	904.8	906.26	0.000516	2.58	1185.05	747.96
Tributary	15317.12	2-YEAR	531	898.93	905.56	902.97	905.57	0.000073	0.89	1528.98	1053.67
Tributary	15317.12	5-YEAR	760	898.93	905.91	903.56	905.92	0.000097	1.07	1940.38	1257.35
Tributary	15317.12	10-YEAR	896	898.93	906.01	903.85	906.01	0.000114	1.18	2061.96	1281.76
Tributary	15317.12	25-YEAR	1083	898.93	906.02	904.19	906.03	0.000163	1.42	2080.76	1285.5
Tributary	15317.12	50-YEAR	1220	898.93	906.08	904.45	906.09	0.000188	1.53	2158.98	1300.92
Tributary	15317.12	100-YEAR	1330	898.93	906.16	904.64	906.17	0.000197	1.59	2264.53	1320.43
Tributary	15246.62		Culvert								
Tributary	15146.83	2-YEAR	531	897.96	902.74	901.81	903.01	0.003107	4.43	151.05	481.64
Tributary	15146.83	5-YEAR	760	897.96	903.04	902.45	903.44	0.004227	5.44	178.99	565.32
Tributary	15146.83	10-YEAR	896	897.96	903.37	902.67	903.77	0.003948	5.53	209.2	650.88
Tributary	15146.83	25-YEAR	1083	897.96	903.8	902.94	904.2	0.003531	5.61	250.22	826.28
Tributary	15146.83	50-YEAR	1220	897.96	904.19	903.11	904.26	0.000854	2.97	927.72	932.39
Tributary	15146.83	100-YEAR	1330	897.96	904.58	903.24	904.62	0.000571	2.59	1152.87	1020.95
Tributary	15031.62	2-YEAR	531	898.18	901.39	901.39	902.19	0.013891	7.25	76.94	52.28
Tributary	15031.62	5-YEAR	760	898.18	902.46	902.06	902.83	0.006516	5.13	185.92	197.99
Tributary	15031.62	10-YEAR	896	898.18	902.99	902.28	903.23	0.004072	4.27	279.54	282.11
Tributary	15031.62	25-YEAR	1083	898.18	903.58	902.51	903.74	0.002511	3.56	419.61	370.4
Tributary	15031.62	50-YEAR	1220	898.18	903.98	902.68	904.1	0.001896	3.18	533.84	458.22
Tributary	13031.02		1330	090.10	904.43	902.01	904.32	0.001243	2.70	447.04	240.05
Tributary	14701.37		531 760	896.79	901.39	899.00	901.44	0.000572	2.00	602.06	248.05
Tributary	14701.37		806	090.79 806 70	902.41	099.0 800 8	902.44	0.000323	1.09	852.30	301.00
Tributary	14701.37	25-YEAR	1083	896 79	903.5	900 47	902.55	0.00020	1.04	1066.91	492.3
Tributary	14701.37	50-YEAR	1220	896.79	903.9	900.6	903.93	0.000193	1.81	1250.37	601.9
Tributary	14701.37	100-YEAR	1330	896.79	904.36	900.71	904.39	0.000152	1.7	1480.25	789.42
Tributary	14360.15	2-YEAR	531	896.68	901.27	899.3	901.3	0.000285	1.35	482.01	407.3
Tributary	14360.15	5-YEAR	760	896.68	902.35	899.62	902.37	0.000134	1.17	938.34	726.6
Tributary	14360.15	10-YEAR	896	896.68	902.87	899.77	902.89	0.000105	1.13	1157.69	805.23
Tributary	14360.15	25-YEAR	1083	896.68	903.47	899.93	903.48	0.000088	1.13	1410.6	880.65
Tributary	14360.15	50-YEAR	1220	896.68	903.87	900.04	903.88	0.00008	1.14	1578.88	929.34
Tributary	14360.15	100-YEAR	1330	896.68	904.34	900.13	904.35	0.000067	1.1	1777.47	1023.72
Tributary	14037.12	2-YEAR	527	895.64	901.14	898.94	901.19	0.00037	1.78	304.49	575.19
Tributary	14037.12	5-YEAR	697	895.64	902.26	899.15	902.31	0.000238	1.74	411.96	845.93
Tributary	14037.12	10-YEAR	785	895.64	902.79	899.26	902.83	0.000206	1.75	462.43	1026.49
Tributary	14037.12	25-YEAR	890	895.64	903.39	899.37	903.44	0.000179	1.76	520.3	1129.04
Tributary	14037.12	50-YEAR	961	895.64	903.79	899.45	903.84	0.000165	1.77	558.72	1185.71
Tributary	14037.12	100-YEAR	1048	895.64	904.26	899.54	904.31	0.000152	1.79	603.94	1243.5
Tributary	13925.12		Bridge								
Tributary	13809.03	2-YEAR	527	894.62	899.05	897.38	899.15	0.001065	2.75	257.46	554.59
Tributary	13809.03	5-YEAR	697	894.62	899.3	897.85	899.44	0.001308	3.23	297.24	610.04
Tributary	13809.03		/85	894.62	899.42	898.04	899.57	0.001417	3.44	316.1	614.36
Tributory	13809.03	20-1 EAK	890	094.62	099.62	090.22	099.78	0.001416	3.58	341.84	021.03
Tributary	13809.03	100-YEAR	901 10/19	804.02	099.78 900.05	090.37 808 10	099.94 000 2	0.001336	3.02	416 85	637 44
Tributary	12720		507	804 22	200.00	030.49	900.Z	0.001135	2.30	306.00	440 64
Tributary	13/32	5-YEAR	527	094.32 801 22	099 800 25		200 24	0.0000000	∠.40 0.70	510.09	440.04
Tributary	13732	10-YEAR	785	894.32	899.37		899.46	0.000787	2.73	567.83	483 19
Tributary	13732	25-YEAR	890	894.32	899 58		899.66	0.000725	2.00	672 17	502.33
Tributary	13732	50-YEAR	961	894.32	899.76		899.83	0.000645	2.69	761.46	512.45
Tributary	13732	100-YEAR	1048	894.32	900.04		900.1	0.000524	2.5	913.05	580.46

Tendary 12343 13 2 YEAR (01 (01 (01)	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
Includy 13243 12 + 24 A 527 883.71 1888.67 883.72 0.000265 2.23 885.84 4019 10 Tinulary 1234.91 10 + 10 883.71 1088.67 883.81 0.000165 3.03 525.24 440.00 Tinulary 1234.91 10 + VEAR 766 883.71 1089.62 889.81 0.0000761 2.26 10.055 12.34 440.00 Tinulary 1234.91 10 + VEAR 1084 890.52 890.82 0.000051 2.26 10.055 442.00 Tinulary 1232.11 10 + VEAR 627 883.46 897.5 897.29 0.000021 2.27 30.46 12.27 13.05.11 60.00027 1.28 10.31 60.68.4 12.27 10.31.1 10.00025 1.27 19.02.1 10.17.1 10.17.20 10.27 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.1 10.27.2 10.27.1 10				(CTS)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Totaling 123-23 13 123-23 123-24 <td>Tributary</td> <td>13249.13</td> <td>2-YEAR</td> <td>527</td> <td>893.71</td> <td>898.67</td> <td></td> <td>898.72</td> <td>0.000926</td> <td>2.73</td> <td>486.41</td> <td>391.94</td>	Tributary	13249.13	2-YEAR	527	893.71	898.67		898.72	0.000926	2.73	486.41	391.94
Toulary 13243 13 SYEAR 180 98.27 989.25 989.26 999.35 999.36 999.35 99	Tributary	13249.13		097 785	893.71	808.07		898.93	0.001095	3.08	500.90 612.26	410.18
Tabuary 132401 33 00-YEAR 0961 893.71 890.46 893.62 0.000780 2.88 633.24 472.85 Thobary 12221 16 YUEAR 507.00 897.45 897.45 897.45 897.45 897.46 0.000581 2.48 103.14 231.65 103.24 422.73 Thobary 12221 16 10.YEAR 785 893.46 898.25 893.26 0.00041 1.78 851.7 571.81 Thobary 1222.11 10.VFEAR 850 893.46 899.22 0.000173 1.21 993.75 667.84 893.20 0.000173 1.22 893.27 1.58 1.57 </td <td>Tributary</td> <td>13249.13</td> <td>25-YEAR</td> <td>890</td> <td>893.71</td> <td>899.25</td> <td></td> <td>899.3</td> <td>0.0001133</td> <td>3.05</td> <td>728.28</td> <td>448.09</td>	Tributary	13249.13	25-YEAR	890	893.71	899.25		899.3	0.0001133	3.05	728.28	448.09
Tinubary 12349 13 [007+EAR 1048 993.71 999.83 999.85 999.85 999.85 999.85 999.85 999.85 999.85 999.85 999.85 900.857 2.2 105.1 900.900 122.71 92.74 837.96 90.00051 2.77 832.01 42.27 105.75	Tributary	13249.13	50-YEAR	961	893.71	899.48		899.52	0.000769	2.88	833.24	472.58
Tabulary 122:119 27:EAR 55:7 897.40 0.00888 4.14 14.14 21.41 22.77 392.01 Tibulary 122:11 50:VEAR 800 30:46 889.33 889.33 0.000552 2.18 55:16 45:35 Tibulary 122:11 50:VEAR 800 40:44 889.2 809.22 0.000152 1.59 10:53:16 683.25 Tibulary 122:52:68 VEAR 607 887.46 898.46 898.46 898.46 899.40 0.000127 1.1 1347.25 57:22.26 57:78.77 10:72.22 56:24 57:85.77 10:000173 1.21 890.27 58:78 58:38 60:000171 1.21 1347.25 57:34.27 57:83 58:17 87:78 60:00143 1.33 287:78 78:78 50:00143 1.33 28:77 58:78 78:78 60:00143 1.33 28:77 58:78 68:78 69:78 60:00143 1.33 28:77 58:78 58:78 60:00143	Tributary	13249.13	100-YEAR	1048	893.71	899.83		899.86	0.000561	2.6	1005.1	509.03
Tabulary 125211 95 YEAR 697 693.46 897.91 0.002011 2.77 392.01 422.7 Tribulary 125211 95 YEAR 806 693.46 898.85 0.00044 1.78 561.7 571.81 Tribulary 125211 95 YEAR 100 893.46 899.24 899.66 0.000207 1.30 103.73 668.40 Tribulary 122.52.86 YEAR 893.46 897.19 895.56 897.49 0.00017 1.04 1547.29 571.62 Tribulary 122.52.86 YEAR 697 893.46 895.78 895.78 895.21 0.00017 1.04 1547.29 597.64 Tribulary 122.52.86 CYEAR 690 893.46 895.18 895.21 89	Tributary	12521.19	2-YEAR	527	893.46	897.15		897.4	0.006868	4.14	161.41	231.89
Tabulary 1252:119 10*VEAR 785 983.46 988.33 898.38 80.00052 2.18 581.6 453.7 Trobulary 1252.119 10×VEAR 661 893.46 898.62 809.22 10.00025 1.5.6 663.47 Trobulary 12232.66 5*VEAR 652 893.46 898.63 869.75 80.000047 1.1.8 133.7 653.2 Trobulary 12232.66 15*VEAR 869.34 893.48 868.57 80.000047 1.0.1 1574.28 552.08 Trobulary 12252.66 10*VEAR 869.48 884.48 885.88 889.18 0.000047 1.0.2 2022.25 80.227 768.77 Trobulary 12157.3 5*VEAR 757 822.17 897.49 80.024 80.00144 1.5 789.44 857.33 899.18 0.000144 1.5 789.47 780.44 857.48 899.16 0.000144 1.5 789.47 780.44 1.1.79 10.00144 1.5 789.77	Tributary	12521.19	5-YEAR	697	893.46	897.9		897.99	0.002011	2.77	392.01	422.73
Tirobudary 125:21:19 125:7:40 980. 893.46 890.2 899.66 0.00044 1.7 91.7 571.8 Tirobudary 125:21:19 10:0-YEAR 10:44 893.46 890.24 899.66 0.000207 1.3 93.7.85 663.27 Tirobudary 125:25:266 YEAR 697.89 893.46 897.19 895.55 897.79 0.000712 1.1 137.25 575.45 Tirobudary 1252.268 FYEAR 699.69 893.46 895.16 885.21 0.000072 1.0.2 1.22 2768.77 Tirobudary 1252.268 67.74 681.48 891.63 885.68 889.84 0.000074 1.0.4 157.4 576.48 277.78 877.78 877.78 892.17 893.42 893.63 0.000144 1.58 670.49 575.69.99 777.29 777.29 577.49 577.49 577.49 577.49 577.49 577.49 577.49 577.49 577.49 577.49 577.49 577.49 <td< td=""><td>Tributary</td><td>12521.19</td><td>10-YEAR</td><td>785</td><td>893.46</td><td>898.33</td><td></td><td>898.38</td><td>0.000952</td><td>2.18</td><td>581.6</td><td>453</td></td<>	Tributary	12521.19	10-YEAR	785	893.46	898.33		898.38	0.000952	2.18	581.6	453
Induary 122:11 103-16 003-26 0030-25 103-16 003-27 Tribulary 122:22:26 100-178 1043-16 686.49 Tribulary 122:26:26 VFRAR 627 893.46 897.19 800.0077 1.21 990.27 516.82 Tribulary 122:26:26 VFRAR 667 893.46 896.43 885.76 897.79 0.000077 1.02 202:27 768.71 Tribulary 122:26:26 VFRAR 668 893.46 896.44 896.40 0.00007 1.02 202:27 678.71 Tribulary 122:52:26 10-VFRAR 1664 893.46 896.43 896.40 0.00074 1.33 687.49 587.44 Tribulary 121:75.3 VFRAR 768 892.17 893.46 894.40 1.05 1.579.49 567.79 560.97 Tribulary 121:67 20-VFRAR 768 891.81 894.18 890.22 0.000143 1.71 1007.24 588.58	Tributary	12521.19	25-YEAR	890	893.46	898.85		898.89	0.000484	1.79	851.7	571.81
Tabulary Tabuary <	Tributary	12521.19	50-YEAR	961	893.46	899.2		899.22	0.000325	1.59	1053.18	658.40
TDuary T2222 26 FV-ER e97 893.46 697.80 887.76 897.80 000112 1.1 134.729 523.08 Tribuary 12222 26 55 VFAR 960 893.46 898.81 898.84 898.20 000072 1.04 134.729 523.08 Tribuary 12222 26 50 VFAR 960 893.46 898.91 898.95 898.64 0000045 1.3 687.49 524.84 Tribuary 12157.3 5V-FAR 756 892.17 697.66 698.10 0000143 1.35 687.49 524.47 Tribuary 12157.3 5V-FAR 964 992.17 698.31 698.10 698.11 000143 1.55 897.49 524.45 527.79 507.79 <td>Tributary</td> <td>12021.19</td> <td>2-YEAR</td> <td>527</td> <td>893.40</td> <td>897.19</td> <td>895 65</td> <td>897.00</td> <td>0.000207</td> <td>1.39</td> <td>980.27</td> <td>516.62</td>	Tributary	12021.19	2-YEAR	527	893.40	897.19	895 65	897.00	0.000207	1.39	980.27	516.62
Thobary 12222 06 10-YEAR 785 893.46 898.84 898.84 800.0007 10.2 10.74.28 537.34 Thubary 12222 06 50-YEAR 801 803.46 898.84 800.00072 10.2 202.27 786.17 Thubary 12222.06 100-YEAR 1068 893.46 898.64 800.0004 0.9 265.24 855.55 Thubary 12167.3 10-YEAR 768 892.17 897.48 800.00140 1.5 807.05 560.00 Thubary 12167.3 10-YEAR 996 992.17 898.41 898.41 898.81 0.000144 1.55 987.05 560.00 Thubary 12167.3 10-YEAR 1069 982.17 898.41 898.83 0.000144 1.55 987.05 500.0014 1.45 587.02 589.33 587.00014 1.45 587.02 589.33 587.00014 1.45 587.64 589.32 587.56 0.000138 1.66 7.42.15 577.16 <	Tributary	12252.66	5-YEAR	697	893.46	897.89	895.75	897.89	0.000112	1.1	1347.29	529.08
Thotuary 12222 B6 55-YEAR 880 883.46 6898.46 889.86 889.86 0.00072 1.02 2052.22 786.71 Thotuary 12222.06 100-YEAR 1048 883.46 899.63 889.64 0.000046 0.00 2865.24 882.25 882.37 Thotuary 12167.3 5YEAR 776 882.47 887.88 0.000143 1.33 687.49 567.44 Thotuary 12167.3 100-YEAR 882.17 898.42 898.31 0.000144 1.58 990.45 557.09 Thotuary 12167.3 100-YEAR 1218 892.17 899.64 898.41 990.62 0.000143 1.71 1077.23 605.45 577.09 Thotuary 1194.25 SYEAR 758 891.81 898.62 0.000143 1.45 551.45 199.02 115.5 719.077.23 606.45 719.077.23 10.55 719.0177.23 10.55 719.0177.23 10.55 719.0177.23 10.55 770.90 <td< td=""><td>Tributary</td><td>12252.66</td><td>10-YEAR</td><td>785</td><td>893.46</td><td>898.31</td><td>895.81</td><td>898.32</td><td>0.000087</td><td>1.04</td><td>1574.28</td><td>537.34</td></td<>	Tributary	12252.66	10-YEAR	785	893.46	898.31	895.81	898.32	0.000087	1.04	1574.28	537.34
Thoburay 12252.66 50-YEAR 1981 893.46 899.18 80.000046 0.96 2322.58 802.77 803.46 899.18 0.000046 0.96 2322.58 802.77 803.46 899.47 803.46 807.18 0.000044 1.33 687.48 528.44 527.44 528.44 527.44 528.44 527.44 528.44 527.44 528.45 527.55 527.42 527.44 528.45 829.71 828.31 0.000141 1.65 687.70 507.56 550.46 577.09 770.11 770.723 507.42 121.67 300.74 1.77 100.723.45 550.46 577.09 707.23 600.53 809.63 809.63 809.63 800.61 800.71 100.00141 1.45 581.57 119.251 10.77.23 600.53 118.36 70.000141 1.45 581.37 109.28 10.83 10.83 10.83 10.83 10.83 10.000138 1.66 74.42 12.18 10.18 10.18 10.18 10.18 10.	Tributary	12252.66	25-YEAR	890	893.46	898.84	895.86	898.84	0.000072	1.02	2052.22	768.71
Thoburgy 12252.66 100-YEAR 1048 893.63 899.64 0.000044 0.8 2685.24 845.65 Thoburgy 12157.3 2-YEAR 758 892.17 897.46 807.48 0.000144 1.55 799.19 547.32 Thoburgy 12157.31 10-YEAR 868.51 892.17 898.81 899.41 0.000144 1.56 896.46 577.00 Thoburgy 12157.33 10-YEAR 1088 899.41 899.41 899.41 1.000144 1.65 599.53 Thoburgy 12192.51 5-YEAR 578 891.81 897.52 893.62 0.00013 1.22 497.67 191.50 Thoburgy 1194.251 5-YEAR 578 891.81 897.22 893.82 897.57 0.00014 1.55 597.3 10.00118 1.65 503.31 203.65 Thoburgy 1194.251 10-YEAR 788 891.62 897.56 0.00013 1.66 703.85 212.18 10.15 70	Tributary	12252.66	50-YEAR	961	893.46	899.18	895.89	899.18	0.000059	0.96	2322.58	802.37
Thoburay 12157.3 5-YEAR 778 892.17 897.18 0.000149 1.53 687.49 564.49 577.9 Thoburay 12157.3 10-YEAR 986 892.17 698.29 893.91 800.00149 1.55 687.05 567.06 577.09 Thoburay 12157.3 30-YEAR 1048 892.17 898.81 894.01 898.92 000143 1.74 1005.24 559.46 577.09 Thoburay 12157.3 30-YEAR 1248 892.17 899.62 000143 1.74 1007.23 606.85 Thoburay 11942.51 S-YEAR 578 891.81 895.26 897.57 0.000141 1.45 631.57 199.07 Thoburay 11942.51 D-YEAR 958 891.81 898.28 894.60 896.87 0.000141 1.45 631.12 203.65 Thoburay 11942.51 D-YEAR 758 891.81 898.28 894.60 898.40 0.000138 1.66 742.42 122.16.56 Thoburay 1190.787 D-YEAR 758 89	Tributary	12252.66	100-YEAR	1048	893.46	899.63	895.93	899.64	0.000046	0.9	2695.24	845.95
Induary 121br.3 15/FAR 658 892.17 897.86 993.82 99.88 10001148 1.55 697.17 660.99 Tribulary 12157.3 15/FAR 1089.217 898.21 899.10 898.31 000144 1.65 895.07 650.99 Tribulary 12157.3 10/FAR 1008.24 659.33 1007.23 660.56 Tribulary 12267.3 100-VEAR 1218 892.17 899.6 893.418 899.20 000141 1.76 1077.23 660.56 Tribulary 11942.51 2YEAR 758 891.81 897.54 893.82 897.55 0.00013 1.66 744.82 121.85 Tribulary 11942.51 10-VEAR 891.81 899.1 894.28 899.40 0.000138 1.66 744.82 212.85 Tribulary 11942.51 10-VEAR 758 891.62 895.35 897.65 0.000138 1.66 744.82 212.85 Tribulary 1190.737	Tributary	12157.3	2-YEAR	578	892.17	897.17	893.64	897.18	0.000143	1.33	687.49	526.44
Incurary 12.157.3 157.1	Tributary	12157.3		/58	802.17	8097.86	802.01	800.24	0.000149	1.5 1 50	799.19	547.92
International Large Start Document Document <thdocument< th=""> <thdocument< th=""> <thdocumen< td=""><td>Tributary</td><td>12157.3</td><td>25-YEAR</td><td>208 NDD</td><td>092.17 892.17</td><td>090.29 808 81</td><td>093.91 894 01</td><td>090.31 808 83</td><td>0.000148</td><td>1.58</td><td>950 46</td><td>500.99 577 00</td></thdocumen<></thdocument<></thdocument<>	Tributary	12157.3	25-YEAR	208 NDD	092.17 892.17	090.29 808 81	093.91 894 01	090.31 808 83	0.000148	1.58	950 46	500.99 577 00
Tributary 12157.3 100-YEAR 1218 892.17 899.62 0.000143 1.79 1077.23 606.95 Tirbutary 12860.3 Culvent	Tributary	12157.3	50-YEAR	1089	892.17	899.15	894.08	899.17	0.000143	1.71	1005.24	589.53
Thoturary 12050 3 Culvert	Tributary	12157.3	100-YEAR	1218	892.17	899.6	894.18	899.62	0.000143	1.79	1077.23	606.95
Thoburay 11942.51 EVEAR 578 891.81 895.54 893.82 897.54 893.82 897.54 893.82 897.55 897.54 893.83 897.95 0.00014 1.45 581.57 199.07 Tributary 11942.51 10-YEAR 896 891.81 897.95 0.00014 1.45 581.57 199.07 Tributary 11942.51 10-YEAR 994 891.81 898.3 894.16 898.74 0.000138 1.66 744.22 121.81 Tributary 11907.87 2YEAR 758 891.62 897.55 897.56 0.00005 0.91 1554.67 524.15 Tributary 11907.87 10-YEAR 896 898.41 898.71 698.64 0.00004 0.92 1202.1 565.83 581.54 100.92 1202.1 565.83 581.54 100.004 0.92 1202.1 565.83 581.54 100.004 0.92 1202.1 565.83 581.54 100.004 0.92 1265.85 <td< td=""><td>Tributary</td><td>12050.3</td><td></td><td>Culvert</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Tributary	12050.3		Culvert								
Thobary 11942.51 5YEAR 758 891.81 897.54 893.32 897.57 0.00014 1.45 581.57 199.07 Thobary 11942.51 10.YEAR 894 893.31 897.95 0.000143 1.66 700.98 208.85 Thobary 11942.51 100-YEAR 1218 891.81 898.31 898.74 0.000138 1.66 744.28 212.18 Thobary 11907.87 7-YEAR 7578 891.62 896.93 896.94 0.000052 0.85 1240.23 496.11 Thobary 11907.87 7-YEAR 768 891.62 897.55 897.96 0.00004 0.92 220.21 568.54 Thobary 11907.87 10-YEAR 896 898.41 898.41 0.00004 0.92 220.52 561.54 Thobary 11907.87 100-YEAR 1218 891.62 898.41 899.12 0.00005 0.91 150.12 558 Thobary 11940.85 5-YEAR	Tributary	11942.51	2-YEAR	578	891.81	896.93	893.6	896.95	0.00013	1.28	497.67	191.56
Thobary 11942.51 25 YEAR 981.61 897.92 893.33 897.95 0.000141 1.5.3 634.31 203.65 Tributary 11942.51 50 YEAR 1089 891.81 898.74 0.000138 1.66 742.82 221.85 Tributary 11907.87 2YEAR 578 891.81 899.1 894.41 0.000138 1.66 744.28 221.48 Tributary 11907.87 2YEAR 578 891.62 895.93 897.95 0.00005 0.9 1554.47 524.40 202.02 756.44 540.00 0.00004 0.92 1757.44 540.02 Tributary 11907.87 100-YEAR 851.62 898.41 898.41 898.41 0.00004 0.92 1255.32 581.54 Tributary 11907.87 100-YEAR 1218 891.62 899.11 899.42 0.00004 0.93 1265.32 581.54 Tributary 11840.85 10-YEAR 1218 890.93 897.93 0.000036 <td>Tributary</td> <td>11942.51</td> <td>5-YEAR</td> <td>758</td> <td>891.81</td> <td>897.54</td> <td>893.82</td> <td>897.57</td> <td>0.00014</td> <td>1.45</td> <td>581.57</td> <td>199.07</td>	Tributary	11942.51	5-YEAR	758	891.81	897.54	893.82	897.57	0.00014	1.45	581.57	199.07
Tholuary 11942.51 50+VEAR 994 891.81 898.39 894.66 898.74 0.000138 1.66 700.99 208.85 Tributary 11942.51 100-VEAR 1218 891.81 899.1 894.28 899.14 0.000138 1.73 801.71 216.56 Tributary 11907.87 5-VEAR 758 891.62 897.95 0.000046 0.92 175.744 560.20 226.54 756 0.000046 0.92 175.744 560.20 256.8 756 0.000046 0.92 175.744 560.20 256.8 756 0.00004 0.92 175.744 560.20 256.8 756.8 756.8 756.8 756.8 756.8 756.8 756.8 757.8 757.78 75	Tributary	11942.51	10-YEAR	865	891.81	897.92	893.93	897.95	0.000141	1.53	634.31	203.65
Induary 11942.51 100-YEAR 1218 898.71 898.74 0.0001.88 1.66 744.26 212.12 Tributary 11907.87 S-VEAR 578 891.62 896.33 898.744 0.000052 0.85 1240.23 4495.11 Tributary 11907.87 S-VEAR 758 891.62 897.55 897.56 0.000052 0.92 1257.44 540.02 Tributary 11907.87 SO-VEAR 1994 891.62 898.71 898.72 0.000046 0.92 1255.2 551.5 Tributary 11907.87 SO-VEAR 1088 899.11 898.12 0.000039 0.95 2435 615.6 Tributary 11840.58 SVEAR 758 890.93 897.55 897.55 0.000054 0.91 1269.12 558 Tributary 11840.85 SO-VEAR 1088 897.93 897.43 898.41 0.000046 0.86 149.67 757.97.8 Tributary 11840.85 SO-VEAR	Tributary	11942.51	25-YEAR	994	891.81	898.39	894.06	898.43	0.000138	1.6	700.98	208.85
Industry 1197.82 VEAR 1216 00.011 03.81 03.81 03.81.0<	Tributary	11942.51	50-YEAR	1089	891.81	898.7	894.16	898.74	0.000138	1.60	744.28	212.18
Industry Tibutary	Tributary	11007.87		578	801.62	806.03	034.20	806.04	0.000150	0.85	1240.23	210.30
Tributary 11907.87 10-YEAR 865 991.62 997.93 897.94 0.000046 0.92 1757.44 540.02 Tributary 11907.87 25-YEAR 994 6891.62 888.71 898.72 0.000046 0.92 1292.21 565.8 Tributary 11907.87 100-YEAR 1218 891.62 889.71 899.12 0.000046 0.92 2435 615.6 Tributary 11840.85 5-YEAR 758 890.93 896.93 897.55 897.55 0.000058 0.91 190.77 757.78 Tributary 11840.85 5-YEAR 808.93 897.93 897.93 0.000047 0.91 2087.47 607.77 Tributary 11840.85 10-YEAR 1218 890.93 898.11 898.72 0.000045 0.92 2278.03 627.4 Tributary 11787.88 5-YEAR 758 891.49 894.45 897.54 0.00037 2.2 523.2 553.74 17butary 11787.88	Tributary	11907.87	5-YEAR	758	891.62	897.55		897.56	0.00005	0.00	1554.67	524.15
Tibutary 11907.87 25-YEAR 994 891.62 898.41 898.41 0.00042 0.92 2020.21 556.8 Tributary 11907.87 f0.0YEAR 1089 891.62 898.71 898.72 0.0003 0.93 2195.32 581.54 Tributary 1180.85 5-YEAR 578 890.33 896.93 896.94 0.000058 0.91 1590.12 558 Tributary 11840.85 10-YEAR 865 890.93 897.93 897.93 0.000053 0.91 160.70 757.78 Tributary 11840.85 50-YEAR 994 890.33 898.71 898.72 0.000045 0.92 2278.03 687.47 Tributary 11787.88 100-YEAR 1218 891.49 894.42 894.22 896.29 0.00037 2.22 523.42 553.47 Tributary 11787.88 10-YEAR 758 891.49 894.71 894.63 897.54 0.00037 2.22 523.42 553.47 <td>Tributary</td> <td>11907.87</td> <td>10-YEAR</td> <td>865</td> <td>891.62</td> <td>897.93</td> <td></td> <td>897.94</td> <td>0.000046</td> <td>0.92</td> <td>1757.44</td> <td>540.02</td>	Tributary	11907.87	10-YEAR	865	891.62	897.93		897.94	0.000046	0.92	1757.44	540.02
Tributary 11907.87 50-YEAR 1089 991.62 989.71 899.72 0.00004 0.93 2155.32 581.54 Tributary 11840.85 CYEAR 758 890.93 896.94 0.000058 0.91 1590.12 5581.54 Tributary 11840.85 CYEAR 758 890.93 897.55 0.000058 0.91 1590.12 558.77.77 Tributary 11840.85 C-YEAR 758 890.93 897.55 0.000045 0.91 1807.07 579.78 Tributary 11840.85 Co-YEAR 1089 890.33 898.71 899.12 0.000045 0.92 2278.03 667.7 Tributary 11840.85 TO-YEAR 758 891.49 897.45 899.22 0.000337 2.2 523.32 653.74 Tributary 11787.88 CYEAR 758 891.49 898.48 897.52 0.000337 2.2 523.32 553.74 Tributary 11787.88 CYEAR 758	Tributary	11907.87	25-YEAR	994	891.62	898.41		898.41	0.000042	0.92	2020.21	565.8
Tributary 11907-87 100-YEAR 1218 891.62 899.12 0.000039 0.95 2435 615.6 Tributary 11840.85 5-YEAR 578 890.93 897.93 0.000064 0.66 1266.86 514.85 Tributary 11840.85 10-YEAR 865 890.93 897.35 697.33 0.000053 0.91 1807.07 579.78 Tributary 11840.85 50-YEAR 1089 890.93 898.41 898.41 0.000047 0.91 2089.47 607.37 Tributary 11840.85 10-YEAR 128 890.93 898.71 898.72 0.000042 0.93 2276.03 660.07 Tributary 11787.88 5-YEAR 758 891.49 897.49 894.45 897.54 0.000337 2.2 523.32 55.74 Tributary 11787.88 5-YEAR 758 891.49 897.49 894.45 897.52 0.000331 2.29 571.98 579.92 Tributary 11787.88 50-YEAR 1069 891.49 898.54 894.77 888.30 <td>Tributary</td> <td>11907.87</td> <td>50-YEAR</td> <td>1089</td> <td>891.62</td> <td>898.71</td> <td></td> <td>898.72</td> <td>0.00004</td> <td>0.93</td> <td>2195.32</td> <td>581.54</td>	Tributary	11907.87	50-YEAR	1089	891.62	898.71		898.72	0.00004	0.93	2195.32	581.54
Tributary 11840.85 2-YEAR 578 890.93 896.94 0.000064 0.086 1256.88 518.85 Tributary 11840.85 10-YEAR 865 890.93 897.55 897.55 0.000053 0.011 1590.12 558 Tributary 11840.85 25-YEAR 994 890.93 898.71 898.41 0.000047 0.91 2089.47 607.37 Tributary 11840.85 50-YEAR 1089 890.93 898.71 898.41 0.000042 0.93 2235.93 660.07 Tributary 11787.88 50-YEAR 578 891.49 896.48 894.22 896.52 0.000337 2.2 523.32 553.74 Tributary 11787.88 5-YEAR 578 891.49 894.45 897.57 898.70 0.000315 2.37 632.82 606.27 Tributary 11787.88 5-YEAR 1984 899.04 895.45 897.55 899.1 0.000312 2.44 671.73 632.621 17.01 17.01 17.03 632.23 17.1.98 579.92 17.98	Tributary	11907.87	100-YEAR	1218	891.62	899.11		899.12	0.000039	0.95	2435	615.6
Inbutary 11840.85 5-YEAR 758 890.93 897.93 897.93 807.93 0.000085 0.91 1590.12 558 Tributary 11840.85 10-YEAR 886 890.93 897.93 897.93 0.000045 0.91 2089.47 607.37 Tributary 11840.85 50-YEAR 1089 890.93 898.71 898.72 0.000045 0.92 2278.03 627.4 Tributary 11787.88 10-YEAR 1218 890.93 899.11 899.12 0.000042 0.93 2535.93 660.07 Tributary 11787.88 1-YEAR 758 891.49 897.49 894.45 897.54 0.000337 2.2 523.32 553.74 Tributary 11787.88 10-YEAR 866 891.49 898.44 894.71 896.92 0.000315 2.37 632.62 608.62 608.62 171.98 807.92 7632.82 608.62 60.001315 2.37 722.76 676.32 Tributary 11787.88 10-YEAR 1218 891.49 890.65 895.14 896.3 <td>Tributary</td> <td>11840.85</td> <td>2-YEAR</td> <td>578</td> <td>890.93</td> <td>896.93</td> <td></td> <td>896.94</td> <td>0.000064</td> <td>0.86</td> <td>1256.88</td> <td>514.85</td>	Tributary	11840.85	2-YEAR	578	890.93	896.93		896.94	0.000064	0.86	1256.88	514.85
Inbutary Indextory Indextory <thindextory< th=""> <thindextory< th=""></thindextory<></thindextory<>	Tributary	11840.85	5-YEAR	758	890.93	897.55		897.55	0.000058	0.91	1590.12	558
Tributary 11840.85 50-YEAR 1080 800.93 898.71 898.72 0.000045 0.92 2278.03 627.4 Tributary 11787.88 10-YEAR 1218 890.93 899.11 899.12 0.000045 0.93 2535.93 660.07 Tributary 11787.88 2-YEAR 578 891.49 896.88 894.22 896.92 0.000327 1.98 445.04 508.74 Tributary 11787.88 5-YEAR 758 891.49 897.87 894.6 897.92 0.00033 2.29 571.98 579.92 Tributary 11787.88 10-YEAR 1089 891.49 898.64 894.92 898.7 0.000312 2.44 671.73 636.26 Tributary 11787.88 10-YEAR 1089 891.49 898.61 899.10 0.000309 2.53 722.76 676.32 Tributary 11787.88 10-YEAR 778 890.05 896.15 895.14 896.3 0.001482 4.04 262.3 217.01 Tributary 11697.27 2-YEAR 778	Tributary	11840.85	25-YEAR	994	890.93	898.4		898 41	0.000033	0.91	2089 47	607.37
Tributary 11840.85 100-YEAR 1218 890.93 899.11 899.12 0.000042 0.93 2535.93 660.07 Tributary 11787.88 2-YEAR 578 891.49 896.88 894.22 896.20 0.000337 2.2 523.32 553.74 Tributary 11787.88 10-YEAR 865 891.49 897.49 894.56 897.29 0.00033 2.29 557.32 557.9.92 Tributary 11787.88 10-YEAR 896.48 897.29 0.000315 2.37 632.82 608.26 Tributary 11787.88 10-YEAR 1089 891.49 898.44 894.92 898.7 0.000312 2.44 671.73 636.28 Tributary 11787.88 100-YEAR 1218 891.49 895.4 896.3 0.001342 4.04 262.3 217.01 Tributary 11697.27 10-YEAR 856 890.56 895.54 896.78 0.002641 5.07 309.97 221.03	Tributary	11840.85	50-YEAR	1089	890.93	898.71		898.72	0.000045	0.92	2278.03	627.4
Tributary 11787.88 2-YEAR 578 891.49 896.88 894.22 896.92 0.000327 1.98 445.04 508.4 Tributary 11787.88 5-YEAR 758 891.49 897.49 894.45 897.54 0.000337 2.2 553.32 553.74 Tributary 11787.88 10-YEAR 865 891.49 897.87 894.6 897.92 0.000315 2.37 632.82 608.26 Tributary 11787.88 50-YEAR 1089 891.49 898.64 894.92 898.7 0.000312 2.44 671.73 636.21 Tributary 11787.88 100-YEAR 1218 891.49 896.16 895.14 896.3 0.001876 4.73 292.26 219.54 Tributary 11697.27 5-YEAR 758 890.05 896.7 895.69 800.02334 5.51 326.74 222.46 219.54 Tributary 11697.27 10-YEAR 865 890.05 896.78 895.68 <	Tributary	11840.85	100-YEAR	1218	890.93	899.11		899.12	0.000042	0.93	2535.93	660.07
Tributary 11787.88 5-VEAR 758 891.49 897.49 894.45 897.54 0.000337 2.2 523.32 553.74 Tributary 11787.88 10-VEAR 865 891.49 897.87 894.66 897.92 0.00033 2.29 571.98 579.92 Tributary 11787.88 50-VEAR 1089 891.49 898.64 894.77 898.39 0.000312 2.44 671.73 663.621 Tributary 11787.88 100-YEAR 1218 891.49 898.64 894.52 898.7 0.000312 2.44 671.73 663.621 Tributary 11787.88 100-YEAR 1218 891.49 899.04 895.05 899.1 0.000309 2.53 722.76 676.32 Tributary 11697.27 2-YEAR 758 890.05 896.15 896.14 896.36 0.001482 4.04 262.3 217.01 Tributary 11697.27 10-YEAR 865 890.05 896.76 896.98 0.00261 5.07 309.97 221.03 Tributary 11697.27 <td>Tributary</td> <td>11787.88</td> <td>2-YEAR</td> <td>578</td> <td>891.49</td> <td>896.88</td> <td>894.22</td> <td>896.92</td> <td>0.000327</td> <td>1.98</td> <td>445.04</td> <td>508.4</td>	Tributary	11787.88	2-YEAR	578	891.49	896.88	894.22	896.92	0.000327	1.98	445.04	508.4
Tributary 11787.88 10-YEAR 865 891.49 897.87 894.6 897.92 0.00033 2.29 571.98 579.92 Tributary 11787.88 25-YEAR 994 891.49 898.34 894.77 898.39 0.000312 2.44 671.73 632.82 608.26 Tributary 11787.88 100-YEAR 1218 891.49 899.04 895.05 899.1 0.000309 2.53 722.76 676.32 Tributary 11787.88 100-YEAR 1218 891.49 899.04 895.05 899.1 0.000309 2.53 722.76 676.32 Tributary 11697.27 5-YEAR 778 890.05 896.15 895.14 896.3 0.001482 4.04 262.3 217.01 Tributary 11697.27 5-YEAR 758 890.05 896.55 895.44 896.66 0.002334 5.51 326.74 222.45 Tributary 11697.27 5-YEAR 1089 890.05 896.77 895.68 80.026 6.002334 5.51 326.74 222.45	Tributary	11787.88	5-YEAR	758	891.49	897.49	894.45	897.54	0.000337	2.2	523.32	553.74
Tributary 11787.88 25-YEAR 994 891.49 898.34 894.77 898.39 0.000315 2.37 632.82 668.26 Tributary 11787.88 50-YEAR 1089 891.49 898.64 894.92 898.7 0.000312 2.44 671.73 636.21 Tributary 11737.88 100-YEAR 1218 891.49 899.04 895.05 899.1 0.000309 2.53 722.76 676.32 Tributary 11697.27 2-YEAR 578 890.05 896.15 895.14 896.3 0.001482 4.04 262.3 217.01 Tributary 11697.27 5-YEAR 758 890.05 896.4 895.4 896.6 0.001876 4.73 292.26 219.54 Tributary 11697.27 10-YEAR 865 890.05 896.78 897.68 0.002641 5.07 309.97 221.03 Tributary 11697.27 100-YEAR 1218 890.05 896.79 895.78 897.08 0.002543 5.82 337.66 223.37 Tributary 11657.98	Tributary	11787.88	10-YEAR	865	891.49	897.87	894.6	897.92	0.00033	2.29	571.98	579.92
International system International system International system System <th< td=""><td>i ributary</td><td>11/87.88</td><td>25-YEAR</td><td>994</td><td>891.49</td><td>898.34</td><td>894.77</td><td>898.39</td><td>0.000315</td><td>2.37</td><td>632.82</td><td>608.26</td></th<>	i ributary	11/87.88	25-YEAR	994	891.49	898.34	894.77	898.39	0.000315	2.37	632.82	608.26
Tributary 11739.88 Bridge 010311 000303 0103033 0103033 0103033 0103033 0103033 010	Tributary	11787 88	100-YEAR	1089	891.49 891.49	090.04 899.04	094.92 895.05	898.7 899 1	0.000312	2.44 2.53	722 76	676.32
Tributary 11637.27 2-YEAR 578 890.05 896.15 895.14 896.3 0.001482 4.04 262.3 217.01 Tributary 11697.27 5-YEAR 758 890.05 896.4 895.4 896.6 0.001876 4.73 292.26 219.54 Tributary 11697.27 10-YEAR 865 890.05 896.55 895.54 896.78 0.002061 5.07 309.97 221.03 Tributary 11697.27 25-YEAR 994 890.05 896.79 895.69 896.96 0.002334 5.51 326.74 222.45 Tributary 11697.27 100-YEAR 1218 890.05 896.79 895.78 897.08 0.002543 5.82 337.66 223.37 Tributary 11657.98 2-YEAR 578 890.05 896.17 896.21 0.00282 6.23 351.71 224.56 Tributary 11657.98 2-YEAR 578 890.05 896.43 896.49 0.000635 <t< td=""><td>Tributarv</td><td>11739.88</td><td></td><td>Bridae</td><td>001.43</td><td>000.04</td><td>000.00</td><td>000.1</td><td>0.000000</td><td>2.00</td><td>122.10</td><td>010.02</td></t<>	Tributarv	11739.88		Bridae	001.43	000.04	000.00	000.1	0.000000	2.00	122.10	010.02
Tributary11697.275-YEAR758890.05896.4895.4896.60.0018764.73292.26219.54Tributary11697.2710-YEAR865890.05896.55895.54896.780.0020615.07309.97221.03Tributary11697.2725-YEAR994890.05896.79895.69896.960.0023345.51326.74222.45Tributary11697.2750-YEAR1089890.05896.79895.78897.080.0025435.82337.66223.37Tributary11657.982-YEAR578890.05896.17895.94897.240.002826.23351.71224.56Tributary11657.985-YEAR758890.05896.43896.490.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.59896.650.0008812.93626.45300.93Tributary11657.9810-YEAR1089890.05896.74896.810.0007533.15673.63315.6Tributary11657.9810-YEAR1089890.05896.74896.810.0007533.15673.63315.6Tributary11657.9810-YEAR1089890.05896.74896.810.0007533.15673.63315.6Tributary11057.9810-YEAR1218890.05896.98895.74896.810.0007533.15673.63315.6 <td< td=""><td>Tributary</td><td>11697.27</td><td>2-YEAR</td><td>578</td><td>890.05</td><td>896.15</td><td>895.14</td><td>896.3</td><td>0.001482</td><td>4.04</td><td>262.3</td><td>217.01</td></td<>	Tributary	11697.27	2-YEAR	578	890.05	896.15	895.14	896.3	0.001482	4.04	262.3	217.01
Tributary11697.2710-YEAR865890.05896.55895.54896.780.0020615.07309.97221.03Tributary11697.2725-YEAR994890.05896.79895.69896.960.0023345.51326.74222.45Tributary11697.2750-YEAR1089890.05896.79895.78897.080.0025435.82337.66223.37Tributary11697.27100-YEAR1218890.05896.91895.94897.240.002826.23351.71224.56Tributary11657.982-YEAR578890.05896.17896.43896.490.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.59896.650.0006812.93626.45300.93Tributary11657.9810-YEAR994890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008063.48750.62358.74Tributary11657.98100-YEAR1218890.05896.89897.060.0008663.48750.62358.74Tributary11657.98100-YEAR758890.39895.19895.640.0058445.94223.12291.94Tributary11009.062-YEAR758890.39895.19895.71895.640.005736.45112.38166.7	Tributary	11697.27	5-YEAR	758	890.05	896.4	895.4	896.6	0.001876	4.73	292.26	219.54
Tributary11697.2725-YEAR994890.05896.7895.69896.960.0023345.51326.74222.45Tributary11697.2750-YEAR1089890.05896.79895.78897.080.0025435.82337.66223.37Tributary11697.27100-YEAR1218890.05896.91895.94897.240.002826.23351.71224.56Tributary11657.982-YEAR578890.05896.17896.43896.490.0006352.76579.89288.87Tributary11657.985-YEAR758890.05896.59896.650.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.008663.48750.62358.74Tributary11657.98100-YEAR1218890.39895.19895.19895.640.005863.48750.62358.74Tributary11009.062-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.770.0060346.21254.34303.24 <t< td=""><td>Tributary</td><td>11697.27</td><td>10-YEAR</td><td>865</td><td>890.05</td><td>896.55</td><td>895.54</td><td>896.78</td><td>0.002061</td><td>5.07</td><td>309.97</td><td>221.03</td></t<>	Tributary	11697.27	10-YEAR	865	890.05	896.55	895.54	896.78	0.002061	5.07	309.97	221.03
Tributary11697.2750-YEAR1089890.05896.79895.78897.080.0025435.82337.66223.37Tributary11697.27100-YEAR1218890.05896.91895.94897.240.002826.23351.71224.56Tributary11657.982-YEAR578890.05896.17896.210.0005222.4505.27270.22Tributary11657.985-YEAR758890.05896.43896.490.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.59896.650.0006812.93626.45300.93Tributary11657.9825-YEAR994890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.008663.48750.62358.74Tributary11009.062-YEAR578890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR856890.39895.29895.770.006346.21254.34303.24Tributary11009.0610-YEAR865890.39895.29895.770.006346.21254.34303.24Tributary11009.0625-YEAR	Tributary	11697.27	25-YEAR	994	890.05	896.7	895.69	896.96	0.002334	5.51	326.74	222.45
Inducary11097.27100-TEAR1218890.05896.91895.94897.240.002826.23351.71224.56Tributary11657.982-YEAR578890.05896.17896.210.0006352.76579.89288.87Tributary11657.985-YEAR758890.05896.43896.6490.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.59896.650.0006812.93626.45300.93Tributary11657.9825-YEAR994890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.008663.48750.62358.74Tributary11009.062-YEAR758890.39895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.770.0063446.21254.34303.24Tributary11009.0610-YEAR866890.39895.48895.91895.91895.770.0055736.21307.19322.49Tributary11009.0610-YEAR1089890.39895.48895.41895.910.0055736.21307.19322.49Tributary11009.	Tributary	11697.27	50-YEAR	1089	890.05	896.79	895.78	897.08	0.002543	5.82	337.66	223.37
Inductary11057.902-TEAR570890.05890.17896.210.0005222.4505.27270.22Tributary11657.985-YEAR758890.05896.43896.490.0006352.76579.89288.87Tributary11657.9810-YEAR865890.05896.59896.650.0006812.93626.45300.93Tributary11657.9825-YEAR994890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.0008663.48750.62358.74Tributary11009.062-YEAR578890.39894.74894.74895.360.0087986.45112.38166.7Tributary11009.065-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.770.0060346.21254.34303.24Tributary11009.0625-YEAR994890.39895.46895.41895.910.0055736.21307.19322.49Tributary11009.0625-YEAR1089890.39895.67896.110.0051086.14351.38337.75Tributary11009.06100-YEA	Tributary	11697.27		1218	890.05	896.91	895.94	897.24	0.00282	6.23	351./1	224.56
Tributary11657.9810.07.50 ST LAR756630.05830.05830.650.0006352.76573.892288.87Tributary11657.9810-YEAR865890.05896.59896.650.0006812.93626.45300.93Tributary11657.9825-YEAR994890.05896.74896.810.0007533.15673.63315.6Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.0008663.48750.62358.74Tributary11009.062-YEAR578890.39894.74895.360.0087986.45112.38166.7Tributary11009.065-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.770.006346.21254.34303.24Tributary11009.062-YEAR994890.39895.46895.41895.910.005736.21307.19322.49Tributary11009.0620-YEAR1089890.39895.67896.010.005736.21307.19322.49Tributary11009.0610-YEAR1089890.39895.77896.59896.140.0046196.06410.24357.05Tributary11009.06 <t< td=""><td>Tributary</td><td>11657.98</td><td>Z-YEAK</td><td>5/8</td><td>800.05</td><td>806.17</td><td></td><td>806.21</td><td>0.000522</td><td>2.4</td><td>505.27</td><td>270.22</td></t<>	Tributary	11657.98	Z-YEAK	5/8	800.05	806.17		806.21	0.000522	2.4	505.27	270.22
Tributary 11657.98 25-YEAR 994 890.05 896.74 896.81 0.000753 3.15 673.63 315.6 Tributary 11657.98 25-YEAR 1089 890.05 896.74 896.81 0.000753 3.15 673.63 315.6 Tributary 11657.98 50-YEAR 1089 890.05 896.84 896.92 0.000804 3.3 705.85 324.21 Tributary 11657.98 100-YEAR 1218 890.05 896.98 897.06 0.000866 3.48 750.62 358.74 Tributary 11009.06 2-YEAR 578 890.39 895.19 895.64 0.008798 6.45 112.38 166.7 Tributary 11009.06 5-YEAR 758 890.39 895.19 895.77 0.005344 5.94 223.12 291.94 Tributary 11009.06 10-YEAR 865 890.39 895.29 895.77 0.00634 6.21 254.34 303.24 Tributary <	Tributary	11657.98	10-YEAR	865	890.05	896 59		896.65	0.000681	2.70	626 45	200.07 300.93
Tributary11657.9850-YEAR1089890.05896.84896.920.0008043.3705.85324.21Tributary11657.98100-YEAR1218890.05896.98897.060.0008063.48750.62358.74Tributary1109.062-YEAR578890.39894.74895.360.0087986.45112.38166.7Tributary1109.065-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.770.0060346.21254.34303.24Tributary11009.0625-YEAR994890.39895.46895.41895.910.0055736.21307.19322.49Tributary11009.0625-YEAR1089890.39895.6895.49896.010.0051086.14351.38337.75Tributary11009.06100-YEAR1218890.39895.77895.59896.140.0046196.06410.24357.05	Tributary	11657.98	25-YEAR	994	890.05	896.74		896.81	0.000753	3.15	673.63	315.6
Tributary11657.98100-YEAR1218890.05896.98897.060.0008663.48750.62358.74Tributary11009.062-YEAR578890.39894.74894.74895.360.0087986.45112.38166.7Tributary11009.065-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.29895.770.0060346.21254.34303.24Tributary11009.0625-YEAR994890.39895.66895.41895.910.0055736.21307.19322.49Tributary11009.0650-YEAR1089890.39895.66895.49896.010.0051086.14351.38337.75Tributary11009.06100-YEAR1218890.39895.77895.59896.140.0046196.06410.24357.05	Tributary	11657.98	50-YEAR	1089	890.05	896.84		896.92	0.000804	3.3	705.85	324.21
Tributary11009.062-YEAR578890.39894.74894.74895.360.0087986.45112.38166.7Tributary11009.065-YEAR758890.39895.19895.19895.640.0058445.94223.12291.94Tributary11009.0610-YEAR865890.39895.29895.29895.770.0060346.21254.34303.24Tributary11009.0625-YEAR994890.39895.46895.41895.910.0055736.21307.19322.49Tributary11009.0650-YEAR1089890.39895.6895.49896.010.0051086.14351.38337.75Tributary11009.06100-YEAR1218890.39895.77895.59896.140.0046196.06410.24357.05	Tributary	11657.98	100-YEAR	1218	890.05	896.98		897.06	0.000866	3.48	750.62	358.74
Tributary 11009.06 5-YEAR 758 890.39 895.19 895.19 895.64 0.005844 5.94 223.12 291.94 Tributary 11009.06 10-YEAR 865 890.39 895.29 895.29 895.77 0.006034 6.21 254.34 303.24 Tributary 11009.06 25-YEAR 994 890.39 895.46 895.41 895.91 0.005573 6.21 307.19 322.49 Tributary 11009.06 50-YEAR 1089 890.39 895.66 895.49 896.01 0.005573 6.21 307.19 322.49 Tributary 11009.06 50-YEAR 1089 890.39 895.66 895.49 896.01 0.005108 6.14 351.38 337.75 Tributary 11009.06 100-YEAR 1218 890.39 895.77 895.59 896.14 0.004619 6.06 410.24 357.05	Tributary	11009.06	2-YEAR	578	890.39	894.74	894.74	895.36	0.008798	6.45	112.38	166.7
I ributary 11009.06 10-YEAR 865 890.39 895.29 895.29 895.77 0.006034 6.21 254.34 303.24 Tributary 11009.06 25-YEAR 994 890.39 895.46 895.41 895.91 0.005573 6.21 307.19 322.49 Tributary 11009.06 50-YEAR 1089 890.39 895.6 895.49 896.01 0.005573 6.21 307.19 322.49 Tributary 11009.06 50-YEAR 1089 890.39 895.6 895.49 896.01 0.005108 6.14 351.38 337.75 Tributary 11009.06 100-YEAR 1218 890.39 895.77 895.59 896.14 0.004619 6.06 410.24 357.05	Tributary	11009.06	5-YEAR	758	890.39	895.19	895.19	895.64	0.005844	5.94	223.12	291.94
Tributary 11009.06 50-YEAR 994 890.39 895.46 895.41 895.91 0.005573 6.21 307.19 322.49 Tributary 11009.06 50-YEAR 1089 890.39 895.6 895.49 896.01 0.005108 6.14 351.38 337.75 Tributary 11009.06 100-YEAR 1218 890.39 895.77 895.59 896.14 0.004619 6.06 410.24 357.05	I ributary	11009.06	10-YEAR	865	890.39	895.29	895.29	895.77	0.006034	6.21	254.34	303.24
Tributary 11009.06 100-YEAR 1218 890.39 895.77 895.59 896.14 0.004619 6.06 410.24 357.05	Tributary	11009.06	20-1 EAK	1020	800.39	095.46 205 6	095.41 805.40	806 01	0.005573	6.21	307.19	322.49
	Tributary	11009.06	100-YEAR	1218	890.39	895.77	895.59	896.14	0.004619	6.06	410.24	357.05

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	10690.17	2-YEAR	578	888.46	894.61		894.7	0.000606	2.73	403.92	400.83
Tributary	10690.17	5-YEAR	758	888.46	894.96		895.05	0.00062	2.91	547.96	419.22
Tributary	10690.17	10-YEAR	865	888.46	895.09		895.19	0.000669	3.08	603.92	426.15
Tributary	10690.17	25-YEAR	994	888.46	895.25		895.36	0.00071	3.24	672.66	434.51
Tributary	10690.17	100 VEAR	1089	888.46	895.36		895.47	0.000737	3.35	720.28	440.21
Tributary	10690.17	100-YEAR	1218	888.40	895.51		895.63	0.000754	3.45	789.67	448.38
Tributary	9932.969	Z-YEAR	5/8	887.45	894.3		894.36	0.000398	2.2	593.27	5/5.58
Tributary	9932.969	3-1 EAR	708	887.40 997.45	894.69 904.9		894.74	0.000305	2.23	829.00	677.25
Tributary	9932.909	25-YEAR	994	887.45	894.0		895.01	0.000397	2.30	1011 94	692.98
Tributary	9932 969	50-YEAR	1089	887.45	895.07		895.12	0.000419	2.40	1085 53	700.91
Tributary	9932.969	100-YEAR	1218	887.45	895.23		895.28	0.000413	2.55	1201.3	712.96
Tributary	9888.318	2-YEAR	578	887.21	894.31	890.84	894.33	0.000164	1.52	837.02	667.63
Tributary	9888.318	5-YEAR	758	887.21	894.69	891.27	894.72	0.000163	1.6	1106.11	726.31
Tributary	9888.318	10-YEAR	865	887.21	894.81	891.49	894.83	0.000182	1.71	1190.23	738.68
Tributary	9888.318	25-YEAR	994	887.21	894.96	891.72	894.99	0.000196	1.81	1304.92	756.32
Tributary	9888.318	50-YEAR	1089	887.21	895.06	891.88	895.09	0.000206	1.88	1384.88	770.47
Tributary	9888.318	100-YEAR	1218	887.21	895.23	892.06	895.26	0.00021	1.94	1511.93	791.77
Tributary	9850.318		Bridge								
Tributary	9813.512	2-YEAR	578	886.87	893.03	891.6	893.23	0.002093	4.03	227.14	219.86
Tributary	9813.512	5-YEAR	758	886.87	893.76	892.13	893.89	0.001196	3.5	507	563.48
Tributary	9813.512	10-YEAR	865	886.87	894.01	892.56	894.12	0.000985	3.31	663.5	685.69
Tributary	9813.512	25-YEAR	994	886.87	894.46	892.83	894.52	0.000584	2.73	1006.27	839.79
Tributary	9813.512	50-YEAR	1089	886.87	894.78	893.16	894.82	0.000413	2.4	1283.69	887.35
Tributary	9813.512	100-YEAR	1218	880.87	895.16	893.12	895.19	0.000282	2.08	1630.25	934.5
Tributary	9728.044	Z-TEAR	010	896.66	892.90 902.72		893.07	0.001188	3.11	330.59	315.24 695.41
Tributary	9720.044		013	886 66	803.00		804.04	0.000037	2.03	021 /6	735 15
Tributary	9728.044	25-YEAR	990	886.66	894 45		894.04	0.000303	1 94	1269.04	772 97
Tributary	9728.044	50-YEAR	1073	886.66	894.77		894.79	0.000206	1.74	1522.43	798.45
Tributary	9728.044	100-YEAR	1155	886.66	895.15		895.17	0.000146	1.54	1834.22	828.11
Tributary	9192.625	2-YEAR	616	886.15	892.75		892.78	0.000274	1.42	628.97	386.1
Tributary	9192.625	5-YEAR	813	886.15	893.62		893.64	0.000155	1.27	988.17	446.09
Tributary	9192.625	10-YEAR	908	886.15	893.88		893.9	0.000146	1.29	1111.28	478.29
Tributary	9192.625	25-YEAR	990	886.15	894.37		894.39	0.000105	1.18	1350.97	501.09
Tributary	9192.625	50-YEAR	1073	886.15	894.71		894.72	0.000091	1.15	1522.3	525.42
Tributary	9192.625	100-YEAR	1155	886.15	895.1		895.12	0.000076	1.11	1735.74	554.25
Tributary	8600.113	2-YEAR	1135	885.58	892	889.51	892.31	0.001784	4.54	250.2	451.81
Tributary	8600.113	5-YEAR	1855	885.58	893.28	890.68	893.4	0.000745	3.46	1164.43	661.19
Tributary	8600.113	10-YEAR	2328	885.58	893.49	891.32	893.63	0.000918	3.93	1302.02	679.01
Tributary	8600 113	20-TEAR	37/0	000.00 885.58	093.90 804 3	092.74 802.05	094.12 804.46	0.00102	4.30	1881.6	719.73
Tributary	8600.113	100-YEAR	4402	885.58	894.3	893 15	894.40	0.001003	4.51	2205 84	788 45
Tributary	8197 604	2-YFAR	1135	885.58	891.4	888.81	891.65	0.001443	4 05	280.54	228 76
Tributary	8197.604	5-YEAR	1855	885.58	892.55	889.87	892.93	0.001766	4.98	422.59	529.47
Tributary	8197.604	10-YEAR	2328	885.58	892.97	890.46	893.2	0.001235	4.38	993.85	584.64
Tributary	8197.604	25-YEAR	3181	885.58	893.29	891.37	893.59	0.001638	5.24	1183.47	619.52
Tributary	8197.604	50-YEAR	3749	885.58	893.65	892.09	893.95	0.001568	5.36	1416.2	659.82
Tributary	8197.604	100-YEAR	4402	885.58	894.15	892.85	894.41	0.001345	5.24	1762.19	716.41
Tributary	7745.407	2-YEAR	1205	885.56	888.71	888.71	890.01	0.013612	9.16	131.51	258.46
Tributary	7745.407	5-YEAR	2024	885.56	890.23	890.23	891.33	0.007918	8.74	297.84	409.03
Tributary	7745.407	10-YEAR	2605	885.56	890.75	890.75	891.9	0.007465	9.19	399.76	545.11
I ributary	7745.407	25-YEAR	3634	885.56	892.31		892.69	0.002267	6.28	1263.9	669.23
Tributory	7745.407		4252	885.56	892.94		893.21	0.001576	5.62	1098.33	704.51
Tributory	7120.067		4899	000.00	093.05		093.84	0.001094	5.03	ZZU0.57	206.00
Tributary	7120.00/		1205	019.51 870 F7	000.06		800.04	0.000738	3.22	520.28 1000 69	∠06.99 195 93
Tributary	7120.007	10-YEAR	2024	879.57	009.01 800 7		2009.94 800 82	0.00032	3.33 3.37	1466 45	400.03 547 10
Tributary	7120.007	25-YEAR	3634	879.57	892.07		892 17	0.000343	33	2279 42	632 17
Tributary	7120.867	50-YEAR	4252	879.57	892.69		892.79	0.000321	3.34	2683.91	666.03
Tributary	7120.867	100-YEAR	4899	879.57	893.41		893.5	0.000285	3.3	3180.41	710.26
Tributary	6661.149	2-YEAR	1205	879.56	887.39		887.68	0.001746	4.37	275.66	68.67
Tributary	6661.149	5-YEAR	2024	879.56	889.22		889.54	0.001559	4.64	539.82	359.07
Tributary	6661.149	10-YEAR	2605	879.56	890.29		890.52	0.000979	4.21	963.8	414.08
Tributary	6661.149	25-YEAR	3634	879.56	891.8		891.96	0.000605	3.86	1625.39	463.46
Tributary	6661.149	50-YEAR	4252	879.56	892.44		892.6	0.000547	3.88	1930.15	483.28
Tributary	6661.149	100-YEAR	4899	879.56	893.19		893.34	0.000471	3.82	2302.4	510.36

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
T 11	0405 54		(CIS)	(ft)	(ft)	(ft)	(11)	(11/11)	(10/5)	(sq π)	(ft)
Tributary	6465.54	2-YEAR	1205	879.57	887.14		887.36	0.00135	3.83	314.23	78.14
Tributary	6465.54		2024	879.57 970.57	869.01		889.20	0.001113	4.12	007.50	2/0.10
Tributary	6465.54	25-VEAR	2000	079.57 870.57	090.14 801.7		090.34 801.85	0.000705	3.00 3.61	997.59 1700.38	415.25
Tributary	6465 54	50-YEAR	4252	879.57	892.35		892.5	0.000433	3.65	2016 72	493.95
Tributary	6465.54	100-YEAR	4899	879.57	893.12		893.25	0.000392	3.6	2401.71	514.1
Tributary	6300 468	2-YFAR	1209	879.31	887	883 41	887 17	0.000768	3 25	372 42	81 22
Tributary	6300.468	5-YEAR	2025	879.31	888.88	884.6	889.1	0.000718	3.77	594.39	235.25
Tributary	6300.468	10-YEAR	2597	879.31	890	885.25	890.22	0.000628	3.94	801.01	347.76
Tributary	6300.468	25-YEAR	3557	879.31	891.51	886.16	891.74	0.00054	4.14	1140.85	469.1
Tributary	6300.468	50-YEAR	4074	879.31	892.14	886.61	892.39	0.000528	4.29	1284.66	476.09
Tributary	6300.468	100-YEAR	4706	879.31	892.88	887.1	893.14	0.000513	4.44	1452.1	482.84
Tributary	6205.468		Bridge								
Tributary	6121.399	2-YEAR	1209	879.38	886.71	884.05	886.87	0.000786	3.58	504.48	277.93
Tributary	6121.399	5-YEAR	2025	879.38	888.59	885.35	888.74	0.000563	3.71	873.01	324.3
Tributary	6121.399	10-YEAR	2597	879.38	889.67	885.81	889.82	0.000494	3.81	1092.78	353.42
Tributary	6121.399	25-YEAR	3557	879.38	891.06	886.37	891.23	0.000471	4.13	1376.1	385.53
Tributary	6121.399	50-YEAR	4074	879.38	891.61	886.97	891.8	0.000488	4.36	1488.94	399.33
Tributary	6121.399	100-YEAR	4706	879.38	892.25	887.27	892.46	0.000504	4.62	1619.39	411.22
i ributary	6022.257		1209	878.53	000 51	882.8	800.78	0.000555	2.75	439.09	91.61
Tributary	6022.257		2025	070.53	000.50	004.1Z	000.00	0.000555	3.29	702 74	104.09
Tributary	6022.257	25 VEAD	2097	070.00	009.00 900.05	004.0Z	009.75 901.16	0.000536	3.07	1154.02	207.00
Tributary	6022.257	50-YEAR	4074	878 53	891.5	885.76	891.10	0.000520	3.00 4.03	1330.08	369.28
Tributary	6022.257	100-YEAR	4706	878.53	892.15	886.19	892.4	0.000514	4.18	1555.76	413.52
Tributary	5679.313	2-YEAR	1209	878.09	886.44	883.03	886.57	0.000715	2.88	419.34	100.76
Tributary	5679.313	5-YEAR	2025	878.09	888.31	884.08	888.47	0.000689	3.21	631.57	126.37
Tributary	5679.313	10-YEAR	2597	878.09	889.36	884.64	889.54	0.000673	3.36	772.96	141.89
Tributary	5679.313	25-YEAR	3557	878.09	890.76	885.47	890.96	0.000663	3.6	1005.18	213.7
Tributary	5679.313	50-YEAR	4074	878.09	891.31	885.87	891.53	0.000669	3.76	1132.62	249.64
Tributary	5679.313	100-YEAR	4706	878.09	891.97	886.33	892.2	0.000634	3.91	1319.27	324.64
Tributary	5490.167	2-YEAR	1210	878.12	885.81	883.38	886.24	0.002601	5.31	227.72	56.16
Tributary	5490.167	5-YEAR	2028	878.12	887.6	884.96	888.14	0.002238	5.94	359.57	169.9
Tributary	5490.167	10-YEAR	2600	878.12	888.63	885.81	889.21	0.001953	6.24	457.01	205.35
Tributary	5490.167	25-YEAR	3536	878.12	889.93	886.88	890.62	0.001844	6.86	582.42	236.23
Tributary	5490.167	50-YEAR	4006	878.12	890.4	887.43	891.17	0.0019	7.25	629.38	247.91
Tributary	5490.167	100-YEAR	4689 Deideo	878.12	890.89	888.02	891.8	0.002109	7.94	677.82	318.14
Tributary	5445.167		Bridge	077.54	004.0	000.04	005.07	0.0004.45		040.00	00.00
Tributary	5385.84	Z-YEAR	1210	877.54 977.54	884.8	883.04	885.27	0.003145	5.5	219.93	60.26 71.26
Tributary	5385.84		2020	877.54	887 /8	885.04	888 13	0.002794	6.42	332.30 404 78	71.20
Tributary	5385.84	25-YEAR	3536	877 54	888.7	886	889.46	0.002000	7.02	503.69	85.34
Tributary	5385.84	50-YEAR	4006	877.54	889.12	886.45	889.97	0.002871	7.42	543.58	191.4
Tributary	5385.84	100-YEAR	4689	877.54	889.51	887.05	890.54	0.003265	8.13	590.08	219.72
Tributary	5340.014	2-YEAR	1210	877.21	884.83	881.74	885.06	0.001347	3.82	316.6	80.06
Tributary	5340.014	5-YEAR	2028	877.21	886.57	883.15	886.86	0.001266	4.34	466.95	92.93
Tributary	5340.014	10-YEAR	2600	877.21	887.56	883.88	887.89	0.00124	4.62	562.34	100.24
Tributary	5340.014	25-YEAR	3536	877.21	888.8	884.81	889.2	0.001291	5.11	692.09	185.24
Tributary	5340.014	50-YEAR	4006	877.21	889.24	885.2	889.68	0.001326	5.37	797.05	233.38
Tributary	5340.014	100-YEAR	4689	877.21	889.67	885.7	890.19	0.001441	5.83	911.56	296.61
Tributary	5071.343	2-YEAR	1210	876.95	884.52		884.68	0.001337	3.16	382.32	127.41
Tributary	5071.343	5-YEAR	2028	876.95	886.4		886.55	0.000813	3.17	640.68	147.32
I ributary	50/1.343	10-YEAR	2600	876.95	887.43		887.59	0.000726	3.26	/97.85	161.44
Tributory	5071.343	20-1 EAK	3536	876.95	800.12		888.9	0.000627	3.38	1262.14	383.73
Tributary	5071 343	100-YEAR	4006	070.95 876.05	009.19 880 65		009.37 880 85	0.000597	3.47 3.71	1554 57	409.30
Tributary	4700 795		1210	876.26	883 60		884 06	0.001061	1 97	2/18 56	5/ 15
Tributary	4700.705	5-YEAR	2028	876.26	2003.09 225 6		886.07	0.001901	4.07 5.49	240.00	71 88
Tributary	4700.785	10-YEAR	2600	876.26	886.6		887.13	0.002114	5.83	445.71	80.1
Tributary	4700.785	25-YEAR	3536	876.26	887.93		888.49	0.001906	6.1	716.51	328.31
Tributary	4700.785	50-YEAR	4006	876.26	888.46		888.99	0.001718	6.1	903.32	374.18
Tributary	4700.785	100-YEAR	4689	876.26	888.88		889.46	0.001781	6.46	1066.98	404.22
Tributary	4278.65	2-YEAR	1210	875.42	882.71	879.8	883.13	0.002447	5.21	232.12	63.1
Tributary	4278.65	5-YEAR	2028	875.42	884.59	881.52	885.11	0.002444	5.76	352.05	95.48
Tributary	4278.65	10-YEAR	2600	875.42	885.58	882.56	886.15	0.002501	6.09	427.14	116.38
Tributary	4278.65	25-YEAR	3536	875.42	886.92	883.73	887.56	0.002529	6.42	551.95	190.8
Tributary	4278.65	50-YEAR	4006	875.42	887.45	884.21	888.13	0.002385	6.62	615.01	351.44
Tributary	4278.65	100-YEAR	4689	875.42	888.17	884.83	888.69	0.001773	6.15	1097.33	458.49

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	3421.745	2-YEAR	1210	873.71	881.05		881.38	0.001694	4.61	262.5	58.49
Tributary	3421.745	5-YEAR	2028	873.71	883		883.43	0.001565	5.21	391.82	78.15
Tributary	3421.745	10-YEAR	2600	8/3./1	884.03		884.52	0.001467	5.63	482.43	99.01
Tributary	3421.745	25-YEAR	3536	873.71	885.37		885.96	0.001418	6.25 6.52	635.18 710.50	128.37
Tributary	3421.745		4006	873.71	886.64		887 35	0.001409	0.5Z	/ 12.52 813.45	139.54
Tributary	2004 204		4003	972.69	990.27	976.05	007.33 990.7	0.001477	0.33	261.1	50.42
Tributary	2994.294	Z-TEAR 5-VEAR	2028	072.00 872.68	000.37 882.23	070.90 878 30	000.7 882 71	0.001477	4.03	366.86	50.45 63.17
Tributary	2994.294	10-YEAR	2600	872.68	883 24	879.25	883 79	0.001734	5.99	433.86	70.06
Tributary	2994.294	25-YEAR	3536	872.68	884.53	880.6	885.22	0.002129	6.67	530.15	80.66
Tributary	2994.294	50-YEAR	4006	872.68	885.07	881.17	885.83	0.002196	6.98	576.43	88.26
Tributary	2994.294	100-YEAR	4689	872.68	885.7	881.89	886.57	0.002287	7.49	634.04	120.51
Tributary	2439.681	2-YEAR	1210	872.69	879.01		879.54	0.003054	5.86	206.6	50.16
Tributary	2439.681	5-YEAR	2032	872.69	880.63		881.36	0.00327	6.9	294.53	58.66
Tributary	2439.681	10-YEAR	2605	872.69	881.5		882.37	0.003386	7.49	348.49	69.66
Tributary	2439.681	25-YEAR	3535	872.69	882.64		883.7	0.003453	8.31	453.4	115.02
Tributary	2439.681	50-YEAR	4011	872.69	883.2		884.31	0.003369	8.55	523.72	135.27
Tributary	2439.681	100-YEAR	4679	872.69	883.95		885.08	0.003079	8.76	641.16	179.07
Tributary	2290.547	2-YEAR	1210	872.4	878.78	876.15	879.15	0.001801	4.92	245.75	224.63
I ributary	2290.547	5-YEAR	2032	872.4	880.37	877.46	880.92	0.002097	6.01	363.24	395.78
i ributary	2290.547	10-YEAR	2605	8/2.4	881.28	878.24	881.9	0.002129	6.47	4/5.19	498.22
Tributory	2290.547	20-1 EAK	3535	۵/2.4 ۵۳۵ ۸	002.59	0/9.44 000.00	883.2	0.001795	0.05	122.09	5/5.56
Tributary	2290.547	100-YEAR	4011	072.4 872.4	003.23 884 04	880.88	003.01 884.61	0.001619	6.72	042.00 996.27	595.45 617.49
Tributary	1/83 /76		1210	868 52	877 32	000.00	877.60	0.001401	1 80	252.14	71.57
Tributary	1483 476	5-YEAR	2032	868.52	879.34		879.67	0.001010	4.03	593.04	196 54
Tributary	1483 476	10-YFAR	2605	868.52	880 49		880 79	0.000925	4.91	835.37	221 56
Tributary	1483.476	25-YEAR	3535	868.52	882.06		882.32	0.000715	4.86	1190.51	231.65
Tributary	1483.476	50-YEAR	4011	868.52	882.76		883.02	0.000658	4.89	1354.26	236.06
Tributary	1483.476	100-YEAR	4679	868.52	883.63		883.89	0.000612	4.99	1562.06	241.55
Tributary	1052.839	2-YEAR	1210	868.24	876.64		876.98	0.001475	4.7	257.28	48.67
Tributary	1052.839	5-YEAR	2032	868.24	878.55		879.05	0.001709	5.68	358.03	56.82
Tributary	1052.839	10-YEAR	2605	868.24	879.62		880.22	0.001813	6.18	421.74	61.54
Tributary	1052.839	25-YEAR	3535	868.24	881.06		881.79	0.001972	6.86	515.04	68.31
Tributary	1052.839	50-YEAR	4011	868.24	881.7		882.5	0.00204	7.17	559.71	71.37
Tributary	1052.839	100-YEAR	4679	868.24	882.49		883.38	0.002046	7.59	617.09	75.13
Tributary	896.5909	2-YEAR	1210	868.9	875.75		876.45	0.003953	6.69	180.78	42.97
Tributary	896.5909		2032	868.9	877.50		878.46	0.003926	7.65	205.74	51.21
Tributary	896.5909	25-VEAR	2000	868.0	070.0 870.05		079.02 881.16	0.003003	0.1	321.42 401.62	55.95 62.15
Tributary	896 5909	50-YEAR	4011	868.9	880.55		881.85	0.003942	9.12	439.76	64 9
Tributary	896.5909	100-YEAR	4679	868.9	881.31		882.73	0.003826	9.55	490.38	68.49
Tributary	833,9909	2-YEAR	1210	868.58	875.58	873.61	876.18	0.00318	6.22	194.64	43.73
Tributary	833.9909	5-YEAR	2032	868.58	877.38	875.13	878.19	0.003334	7.25	280.24	51.51
Tributary	833.9909	10-YEAR	2605	868.58	878.41	875.98	879.35	0.003355	7.75	336.02	56
Tributary	833.9909	25-YEAR	3535	868.58	879.76	877.18	880.89	0.003488	8.51	415.47	61.84
Tributary	833.9909	50-YEAR	4011	868.58	880.36	877.72	881.58	0.003454	8.86	453.35	64.85
Tributary	833.9909	100-YEAR	4679	868.58	881.12	878.42	882.47	0.003356	9.34	504.15	68.58
Tributary	807.9909		InI Struct								
Tributary	779.2909	2-YEAR	1219	868	873.46	871.38	873.93	0.002486	5.51	221.2	49.63
Tributary	779.2909	5-YEAR	2047	868	875.37	872.66	875.99	0.002394	6.36	321.87	56
Tributary	779.2909	10-YEAR	2623	868	876.44	873.42	877.17	0.002388	6.83	383.98	59.59
Tributary	770 2000	25-YEAR	3557	868	877.89	874.52	8/8./7	0.002435	7.5	4/4.02	64.43
Tributary	770 2000		4037	808	010.53 870.20	015.02	800 10	0.002386	1.83	575.24	07.62 72.09
Tributory	686 7000		4/09	800	019.30	070.7	000.43	0.002310	0.20	1/0.31	12.08
Tributary	686 7000		1219	000.30	012.31 97/1		013.41 875 11	0.000079	0.18 0.27	148.97 220 P	51.13
Tributary	686 7909	10-YFAR	2047	866.36	875 11		876.6	0.000430	9.27	220.0	44.07 49.01
Tributary	686 7909	25-YEAR	3557	866.36	876 43		878 17	0.006122	10.58	336.33	55 04
Tributary	686.7909	50-YEAR	4037	866.36	876.99		878.88	0.005921	11.02	368.11	58.15
Tributary	686.7909	100-YEAR	4709	866.36	877.74		879.81	0.005687	11.57	412.99	62.27
Tributary	466.027	2-YEAR	1219	864.6	870.99		871.97	0.006158	7.96	153.19	38.76
Tributary	466.027	5-YEAR	2047	864.6	872.93		874.09	0.005362	8.63	237.18	47.68
Tributary	466.027	10-YEAR	2623	864.6	874.06		875.29	0.004971	8.93	293.57	52.84
Tributary	466.027	25-YEAR	3557	864.6	875.54		876.93	0.004367	9.46	377.14	59.69
Tributary	466.027	50-YEAR	4037	864.6	876.19		877.67	0.004118	9.78	416.95	62.69
Tributary	466.027	100-YEAR	4709	864.6	877.03		878.64	0.003884	10.21	471.2	66.57

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	125.6782	2-YEAR	1219	862.03	868.29	867.49	869.6	0.007725	9.18	132.77	30.61
Tributary	125.6782	5-YEAR	2047	862.03	870.14	869.24	871.86	0.007721	10.53	194.4	36.07
Tributary	125.6782	10-YEAR	2623	862.03	871.19	870.23	873.14	0.00772	11.22	233.82	39.29
Tributary	125.6782	25-YEAR	3557	862.03	872.63	871.63	874.9	0.00772	12.11	293.62	43.78
Tributary	125.6782	50-YEAR	4037	862.03	873.27	872.24	875.71	0.00773	12.51	322.64	45.81
Tributary	125.6782	100-YEAR	4709	862.03	874.08	873.09	876.73	0.00772	13.06	360.58	48.79

Table C.12 Wilson Creek Results for Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	18045.96	2-YEAR	251	908.86	910.96	909.78	910.96	0.000452	0.72	379.74	346.21
Tributary	18045.96	5-YEAR	377	908.86	911.56	909.93	911.57	0.000246	0.75	619.3	467.88
Tributary	18045.96	10-YEAR	453	908.86	911.89	910.02	911.89	0.000204	0.78	779.32	529.49
Tributary	18045.96	25-YEAR	555	908.86	912.29	910.12	912.29	0.000168	0.81	1007.8	622.22
Tributary	18045.96	50-YEAR	634	908.86	912.58	910.29	912.59	0.000143	0.81	1209.22	734.72
Tributary	18045.96	100-YEAR	738	908.86	913.03	910.38	913.03	0.0001	0.77	1564.77	865.45
Tributary	18015.11		Culvert								
Tributary	17984.25	2-YEAR	251	907.32	908.7	908.7	909.15	0.014434	5.73	55.96	69.48
Tributary	17984.25	5-YEAR	377	907.32	909	909	909.54	0.014159	6.39	79.24	80.57
Tributary	17984.25	10-YEAR	453	907.32	909.26	909.26	909.79	0.012279	6.45	102.11	115.79
Tributary	17984.25	25-YEAR	555	907.32	910.04		910.18	0.00331	3.69	272.38	304.28
Tributary	17984.25	50-YEAR	634	907.32	911.11		911.14	0.000544	1.68	653.04	414.2
Tributary	17984.25	100-YEAR	/38	907.32	912.05		912.06	0.000178	1.21	1064.78	492.25
Tributary	17655.92	2-YEAR	251	904.01	907.09	905.31	907.21	0.000909	2.71	92.55	53.95
Tributary	17655.92	5-YEAR	377	904.01	908.03	905.71	908.18	0.000847	3.12	120.64	174.28
Tributary	17655.92	10-YEAR	453	904.01	908.57	905.92	908.74	0.000806	3.31	136.72	206.76
Tributary	17655.92	25-YEAR	555	904.01	909.b	906.22	909.77	0.000611	3.31	167.79	285.24
Tributary	17655.92	50-YEAR	634	904.01	910.79	906.41	910.94	0.00042	3.12	203.47	376.57
Tributary	17655.92	100-YEAK	/38	904.01	911.78	906.67	911.93	0.000362	3.17	233.03	632.59
Tributary	17611.55		Culvert	200.04		004.0	200.04			:01.51	:00.44
Tributary	17567.17	2-YEAR	251	903.64	906.8	904.8	906.84	0.00036	1.55	161.54	166.11
Tributary	17567.17	5-YEAR	377	903.64	907.63	905.12	907.68	0.000333	1.79	210.98	294.4
Tributary	17567.17	10-YEAR	453	903.64	908.11	905.29	908.16	0.000314	1.89	239.82	364.28
Tributary	17567.17	25-YEAR	555	903.64	908.86	905.48	908.92	0.000266	1.95	284.8	524.32
Tributary	17567.17	50-YEAR	634	903.64	909.75	905.62	909.8	0.000196	1.87	338.14	571.2
Tributary	17567.17	100-YEAK	/38	903.64	910.31	905.78	910.32	0.00004	0.78	1/02.7	617.98
Tributary	17303.28	2-YEAR	251	902.95	906.68		906.72	0.000641	1.6	158.71	93.93
Tributary	17303.28	5-YEAR	3//	902.95	907.53		907.57	0.000468	1.55	253.62	130.44
Tributary	17303.28	10-YEAR	453	902.95	908.03		908.06	0.000377	1.49	324.12	153.85
Tributary	1/303.28	25-YEAR	555	902.95	908.81		908.83	0.000253	1.32	466.31	222.50
	1/303.20	50-YEAR	534 729	902.95	909.73		909.74	0.00012	1.00 1.02	/48.38	404.22
Tributary	17303.20		130	902.90	910.29	204.22	910.3	0.00003	0.77	1000.74	5U0.04
Tributary	17032.19	2-YEAR	251	902.88	906.38	904.32	906.5	0.000814	2.77	90.55	//.14
Tributary	17032.19	5-YEAK	3/1	902.80	907.17	904.70	907.30	0.000925	3.39	111.20	141./3
	17032.19		453	902.80	907.00	905.01	907.00	0.000941	3.07	123.00	193.41
	1/032.19	25-YEAR	555	902.80	908.42	905.31	908.00	0.000647	3.80 2.75	143.70	300.21
Tributary	17032.19	100 VEAR	720	902.00	909.4	905.54	909.02	0.000047	3.75	709.13	055.2
Tributary	1/032.19	100-TEAR	7.30 Culturant	902.00	910.17	905.63	910.24	0.000261	2.47	700.94	900.0
Tributary	16974.83		Cuivert	000.00	005.07	000.00	005.04	0.000000	4.50	450.00	404.05
Tributary	16917.47	2-YEAR	251	902.69	905.87	903.62	905.91	0.000296	1.58	158.99	121.35
Tributary	16917.47	5-YEAR	377	902.69	906.25	903.9	906.32	0.000456	2.12	178.18	128.49
Tributary	16917.47	10-YEAR	453	902.69	906.46	904.05	906.55	0.000548	2.41	188.33	134.69
Tributary	10917.47		555	902.69	907.22	904.20	907.24	0.000143	1.10	497.14	192.9
Tributary	16017.47	100-VEAR	739	902.09	906.01	904.4	900.02	0.000091	1.07	000.90	200.19
Tributary	10917.47		730	902.09	900.02	904.30	900.03	0.000000	0.51	523.17	370.37
Tributary	16670.00		201	901.1	905.07	901.70	905.00	0.000021	0.51	506 11	202.04
Tributary	16670.00		311	901.1	906.20	901.97	906.27	0.000035	0.09	090.11	290.20
Tributary	16670.08	10-YEAR	453	901.1	906.47	902.08	906.48	0.000044	0.79	030.28	317.47
Tributary	16670.00		555	901.1	907.21	902.22	907.22	0.000039	0.02	003.24	400.31
Tributary	16670.08	100-VEAR	739	901.1	900	902.33	906.01	0.000024	0.7	1440.0	595.09 733.34
Tributary	16497.04		492.49	901.1	900.01	902.4J	900.02	0.000016	0.00	1970.00	222.77
Tributary	16487.01	Z-YEAR	482.18	900.93	905.84	902.26	905.86	0.000166	1.30	378.02	233.77
Tributary	16487.01		708.58	900.93	906.2	902.64	906.25	0.000261	1.81	438.40	290.73
Tributary	16487.01	10-YEAR	839.03 1029.75	900.93	906.39	902.83	906.45	0.000312	2.03	473.80	338.45
Tributory	16/07.01	50-VEAD	1028.75	900.93	907.14	903.09	907.2	0.000258	2.05	1220.4	404.71
Tributary	16407.01	100 VEAR	1245.27	900.93	907.97	903.27	907.99	0.000129	1.09	1956 62	090.70
ribuidiy	10407.01	100-1EAK	1345.37	900.93	900.19	903.5	900.01	0.000067	1.43	1000.02	007.03

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	16375.16	2-YEAR	482.18	900.91	905.83		905.84	0.000182	1.25	635.2	282.7
Tributary	16375.16	5-YEAR	708.58	900.91	906.19		906.21	0.000256	1.59	740.69	300.33
Tributary	16375.16	10-YEAR	839.03	900.91	906.38		906.41	0.000291	1.76	799.47	310.44
Tributary	16375.16	25-YEAR	1028.75	900.91	907.14		907.16	0.000213	1.7	1054.28	364.41
Tributary	16375.16	50-YEAR	1164.71	900.91	907.95		907.98	0.000159	1.64	1434.97	526.33
Tributary	16375.16	100-YEAR	1345.37	900.91	908.78		908.8	0.000112	1.51	1931.24	672.02
Tributary	16013.58	2-YEAR	482.18	899.89	905.77		905.78	0.000135	1.19	670.55	286.02
Tributary	16013.58	5-YEAR	708.58	899.89	906.1		906.13	0.000206	1.55	769.43	305.3
Tributary	16013.58	10-YEAR	839.03	899.89	906.28		906.31	0.000243	1.73	824.96	315.61
Tributary	16013.58	25-YEAR	1028.75	899.89	907.06		907.09	0.000191	1.72	1097.88	416.64
Tributary	16013.58	50-YEAR	1164.71	899.89	907.9		907.93	0.000125	1.54	1584.46	825.66
Tributary	16013.58	100-YEAR	1345.37	899.89	908.75		908.76	0.000083	1.37	2424.86	1150.27
Tributary	15563.42	2-YEAR	482.18	898.87	905.71	902.95	905.72	0.000135	1.22	895.72	657.98
Tributary	15563.42	5-YEAR	708.58	898.87	906.02	903.59	906.04	0.000192	1.53	1069.34	724.16
Tributary	15563.42	10-YEAR	839.03	898.87	906.19	903.9	906.21	0.000215	1.66	1167.03	742.23
Tributary	15563.42	25-YEAR	1028.75	898.87	907	904.35	907.01	0.000128	1.43	1701.96	884.02
Tributary	15563.42	50-YEAR	1164.71	898.87	907.87	904.59	907.88	0.00007	1.17	2380.73	1159.32
Tributary	15563.42	100-YEAR	1345.37	898.87	908.73	904.81	908.73	0.000044	1.01	3104.95	1218.61
Tributary	15317.12	2-YEAR	579.59	898.93	905.69	903.11	905.7	0.000078	0.93	1670.81	1178.83
Tributary	15317.12	5-YEAR	837.09	898.93	905.99	903.73	906	0.000102	1.12	2044.54	1278.29
Tributary	15317.12	10-YEAR	982.23	898.93	906.16	904.02	906.17	0.000108	1.17	2260.82	1319.81
Tributary	15317.12	25-YEAR	1181.24	898.93	906.99	904.38	906.99	0.000053	0.92	3447.1	1545.17
Tributary	15317.12	50-YEAR	1323.92	898.93	907.87	904.61	907.87	0.000025	0.7	4879.44	1703.69
Tributary	15317.12	100-YEAR	1445.53	898.93	908.73	904.85	908.73	0.000013	0.56	6373.47	1772.28
Tributary	15246.62		Culvert								
Tributary	15146.83	2-YEAR	579.59	897.96	903.15	901.95	903.36	0.002139	3.94	189.18	590.81
Tributary	15146.83	5-YEAR	837.09	897.96	904.85	902.58	904.86	0.000157	1.42	1319.94	1087.16
Tributary	15146.83	10-YEAR	982.23	897.96	905.85	902.8	905.86	0.00004	0.82	3217.1	1467.74
Tributary	15146.83	25-YEAR	1181.24	897.96	906.98	903.05	906.98	0.000017	0.61	4916.88	1564.6
Tributary	15146.83	50-YEAR	1323.92	897.96	907.86	903.22	907.86	0.000011	0.52	6333.45	1671.99
Tributary	15146.83	100-YEAR	1445.53	897.96	908.72	903.35	908.72	0.000007	0.45	7815.93	1750.95
Tributary	15031.62	2-YEAR	579.59	898.18	902.99	901.49	903.09	0.001706	2.76	279.39	282
Tributary	15031.62	5-YEAR	837.09	898.18	904.81	902.19	904.84	0.000297	1.47	854.26	710.54
Tributary	15031.62	10-YEAR	982.23	898.18	905.83	902.4	905.85	0.000126	1.16	1479.73	1182.13
Tributary	15031.62	25-YEAR	1181.24	898.18	906.97	902.63	906.98	0.000051	0.88	2437.47	1622.4
Tributary	15031.62	50-YEAR	1323.92	898.18	907.85	902.8	907.85	0.00003	0.75	3181.34	1722.14
Tributary	15031.62	100-YEAR	1445.53	898.18	908.72	902.91	908.72	0.000019	0.65	3915.7	1725.94
Tributary	14701.37	2-YEAR	579.59	896.79	902.96	899.64	902.97	0.000104	1.17	867.69	360.18
Tributary	14701.37	5-YEAR	837.09	896.79	904.79	899.8	904.8	0.000042	0.94	1709.59	889.67
Tributary	14701.37	10-YEAR	982.23	896.79	905.82	899.8	905.83	0.000027	0.83	2282.52	1008.91
Tributary	14701.37	25-YEAR	1181.24	896.79	906.96	900.57	906.97	0.000019	0.77	2922.84	1158.22
Tributary	14701.37	50-YEAR	1323.92	896.79	907.84	900.7	907.85	0.000015	0.73	3417.08	1223.76
Tributary	14701.37	100-YEAR	1445.53	896.79	908.71	900.8	908.71	0.000012	0.69	3904.76	1359.39
Tributary	14360.15	2-YEAR	579.59	896.68	902.94	899.36	902.95	0.000041	0.71	1187.9	815.96
Tributary	14360.15	5-YEAR	837.09	896.68	904.79	899.7	904.79	0.000019	0.62	1968.37	1222.55
Tributary	14360.15	10-YEAR	982.23	896.68	905.82	899.84	905.82	0.000014	0.6	2404.29	1652.63
Tributarv	14360.15	25-YEAR	1181.24	896.68	906.96	900	906.96	0.000012	0,6	2887.53	1848.56
Tributary	14360.15	50-YEAR	1323.92	896.68	907.84	900.13	907.84	0.00001	0.59	3260.48	1915.04
Tributary	14360.15	100-YEAR	1445.53	896.68	908.71	900.21	908.71	0.000009	0.58	3628.46	1985.21
Tributary	14037.12	2-YEAR	797.94	895.64	902.86	899.27	902.91	0.000202	1.75	469.67	1041.45
Tributarv	14037.12	5-YEAR	1133.12	895.64	904.71	899.61	904.76	0.000141	1.8	647.29	1304.53
Tributarv	14037.12	10-YEAR	1333.24	895.64	905.74	899.81	905.79	0.000122	1.84	746.14	1586.74
Tributarv	14037.12	25-YEAR	1568.59	895.64	906.88	900.03	906.94	0.000107	1.89	855.56	1746.04
Tributary	14037.12	50-YEAR	1757.14	895.64	907.76	900.18	907.82	0.000098	1.92	939.96	1826.26
Tributarv	14037.12	100-YEAR	1950.08	895.64	908.63	900.33	908.69	0.000091	1.96	1023.2	1884.34
Tributary	13925.12		Bridge								

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	13809.03	2-YEAR	797.94	894.62	899.45	898.07	899.6	0.001412	3.46	320.59	615.39
Tributary	13809.03	5-YEAR	1133.12	894.62	900.17	898.6	900.33	0.001231	3.69	435.95	641.82
Tributary	13809.03	10-YEAR	1333.24	894.62	900.65	898.84	900.81	0.001062	3.7	513.67	684.53
Tributary	13809.03	25-YEAR	1568.59	894.62	901.37	899.06	901.52	0.000805	3.56	628.91	888.99
Tributary	13809.03	50-YEAR	1757.14	894.62	901.89	899.23	902.03	0.000692	3.52	711.9	999.49
Tributary	13809.03	100-YEAR	1950.08	894.62	902.98	899.38	903.09	0.000432	3.13	886.67	1088.53
Tributary	13732	2-YEAR	797.94	894.32	899.4	l I	899.49	0.000775	2.82	582.45	486.19
Tributary	13732	5-YEAR	1133.12	894.32	900.17		900.22	0.000521	2.53	987.15	610.56
Tributary	13732	10-YEAR	1333.24	894.32	900.67		900.71	0.000375	2.26	1303.43	629.49
Tributary	13732	25-YEAR	1568.59	894.32	901.41		901.43	0.000221	1.87	1769.54	645.48
Tributary	13732	50-YEAR	1757.14	894.32	901.93	l l	901.95	0.000165	1.72	2139.78	743.28
Tributary	13732	100-YEAR	1950.08	894.32	903.02		903.03	0.000081	1.35	2982.62	802.65
Tributary	13249.13	2-YEAR	797.94	893.71	899.03	l l	899.08	0.001088	3.16	630.11	422.98
Tributary	13249.13	5-YEAR	1133.12	893.71	899.96	l l	899.99	0.000555	2.63	1070.53	522.24
Tributary	13249.13	10-YEAR	1333.24	893.71	900.52		900.55	0.000386	2.38	1387.21	585.06
Tributary	13249.13	25-YEAR	1568.59	893.71	901.32	l l	901.33	0.000242	2.07	1898.82	691.66
Tributary	13249.13	50-YEAR	1757.14	893.71	901.86	l l	901.88	0.000189	1.94	2295.7	763.2
Tributary	13249.13	100-YEAR	1950.08	893.71	902.99		903	0.000096	1.54	3248.73	917.32
Tributary	12521.19	2-YEAR	797.94	893.46	898.46		898.51	0.000771	2.04	641.43	471.1
Tributary	12521.19	5-YEAR	1133.12	893.46	899.77		899.79	0.000205	1.42	1423.27	673.93
Tributary	12521.19	10-YEAR	1333.24	893.46	900.4	l l	900.41	0.000143	1.32	1881.48	772.85
Tributary	12521.19	25-YEAR	1568.59	893.46	901.24		901.25	0.00009	1.18	2574.56	896.92
Tributary	12521.19	50-YEAR	1757.14	893.46	901.8	l l	901.81	0.000069	1.11	3097.16	951.93
Tributary	12521.19	100-YEAR	1950.08	893.46	902.96		902.96	0.000036	0.91	4321.13	1147.27
Tributary	12252.66	2-YEAR	797.94	893.46	898.44	895.81	898.45	0.000079	1.01	1644.89	543.36
Tributary	12252.66	5-YEAR	1133.12	893.46	899.76	895.96	899.77	0.000048	0.93	2804.82	858.32
Tributary	12252.66	10-YEAR	1333.24	893.46	900.39	896.05	900.39	0.000043	0.94	3372.87	952.33
Tributary	12252.66	25-YEAR	1568.59	893.46	901.23	896.14	901.24	0.000032	0.88	4213.38	1038.99
Tributary	12252.66	50-YEAR	1757.14	893.46	901.8	896.19	901.8	0.000028	0.86	4816.75	1097.72
Tributary	12252.66	100-YEAR	1950.08	893.46	902.95	896.27	902.96	0.000018	0.75	6156.29	1237.96
Tributary	12157.3	2-YEAR	897.08	892.17	898.42	893.94	898.44	0.000147	1.6	887.89	564.99
Tributary	12157.3	5-YEAR	1256.02	892.17	899.73	894.21	899.75	0.000142	1.81	1097.73	611.18
Tributary	12157.3	10-YEAR	1446.74	892.17	900.35	894.32	900.38	0.000141	1.91	1197.53	633.85
Tributary	12157.3	25-YEAR	1721.5	892.17	901.19	894.51	901.22	0.000141	2.05	1331.82	677.72
Tributary	12157.3	50-YEAR	1913.91	892.17	901.76	894.62	901.79	0.00014	2.13	1421.87	707.43
Tributary	12157.3	100-YEAK	2132.75	892.17	902.91	894.75	902.94	0.000116	2.1	1606.98	750.44
Tributary	12050.3		Culvert								
Tributary	11942.51	2-YEAR	897.08	891.81	898.04	893.96	898.07	0.00014	1.55	650.81	204.94
Tributary	11942.51	5-YEAR	1256.02	891.81	899.21	894.33	899.25	0.000138	1.75	818.09	217.8
Tributary	11942.51	10-YEAR	1446.74	891.81	899.76	894.5	899.81	0.000139	1.85	898.54	223.83
Tributary	11942.51	25-YEAR	1721.5	891.81	900.49	894.74	900.55	0.000139	1.98	1007.93	232.05
Tributary	11942.51	50-YEAR	1913.91	891.81	900.98	894.9	901.04	0.000139	2.06	1082.5	237.68
Tributary	11942.51	100-YEAR	2132.75	891.81	902.16	895.07	902.22	0.000108	1.98	1266.33	251.63
Tributary	11907.87	2-YEAR	897.08	891.62	898.05	l l	898.06	0.000045	0.92	1821.67	545.97
Tributary	11907.87	5-YEAR	1256.02	891.62	899.23	l l	899.23	0.000038	0.95	2505.23	623
Tributary	11907.87	10-YEAR	1446.74	891.62	899.78	l l	899.78	0.000036	0.97	2858.66	658.96
Tributary	11907.87	25-YEAR	1721.5	891.62	900.51		900.52	0.000034	1	3368.28	736.04
Tributary	11907.87	50-YEAR	1913.91	891.62	901	l l	901.01	0.000032	1.02	3745.24	796.12
Tributary	11907.87	100-YEAK	2132.75	891.62	902.19	l	902.19	0.000022	0.92	4771.65	940.24
Tributary	11840.85	2-YEAR	897.08	890.93	898.05	l l	898.05	0.000052	0.91	1876.1	586.84
Tributary	11840.85	5-YEAR	1256.02	890.93	899.22	l l	899.23	0.000042	0.94	2611.35	669.32
Tributary	11840.85	10-YEAR	1446.74	890.93	899.78	l l	899.78	0.000038	0.95	2992.94	714.31
Tributary	11840.85	25-YEAR	1721.5	890.93	900.51	l l	900.52	0.000035	0.97	3542.94	784.08
Tributary	11840.85	50-YEAR	1913.91	890.93	901	i l	901.01	0.000033	0.98	3941.11	833.65
Tributary	11840.85	100-YEAR	2132.75	890.93	902.19		902.19	0.000023	0.89	4998.26	962.44

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	11787.88	2-YEAR	897.08	891.49	897.98	894.63	898.03	0.000327	2.31	587.12	584.65
Tributary	11787.88	5-YEAR	1256.02	891.49	899.15	895.08	899.21	0.000308	2.56	737.21	687.68
Tributary	11787.88	10-YEAR	1446.74	891.49	899.69	895.26	899.76	0.000304	2.69	807.41	742.85
Tributary	11787.88	25-YEAR	1/21.5	891.49	900.42	895.49	900.49	0.000302	2.86	900.94	797.73
Tributary	11787.88	50-YEAR	1913.91	891.49	900.9	895.64	900.98	0.000299	2.96	963.52	825.19
Tributary	11/8/.88	100-YEAK	2132.75	891.49	902.09	895.8	902.17	0.000229	2.84	1117.14	899.67
Tributary	11/39.88		Bridge	200.05	000.0	205 50	200.00	0.000440	5.40	245.45	201.47
Tributary	11697.27	2-YEAR	897.08	890.05	896.6	895.58	896.83	0.002113	5.16	315.15	221.47
Tributary	11697.27	5-YEAK	1256.02	890.05	896.90	895.97	897.3	0.002852	6.31	357.71	225.07
Tributary	11697.27	10-YEAR	1446.74	890.05	897.15	896.14	897.53	0.003171	0.ŏ∠ 7.⊆0	379.45	226.9
Tributary	11697.27	25-YEAK	1/21.5	890.05	897.35	896.4	897.8∠	0.003743	1.59	403.04	228.89
Tributary	11697.27	50-YEAK	1913.91	890.05	897.40	896.50	898 808 2	0.004207	0.10 0 0	415.89 429.20	229.98 221.02
Tributary	11091.21		2132.13	090.05	006.64	090.10	090.2 006 7	0.004775	0.0	420.35	201.00
	11057.90		091.00	890.00 900.05	007 03		007 11	0.000867	2.90 3.51	040.40 770.43	300.43
Tributary	11657.08		1200.02	890.05 900.05	007 22		007 32	0.000061	3.51	951 71	313.29
Tributon/	11657.08		1440.74	090.03 000.05	031.23		091.32 007.57	0.000901	3.19	051.71	420.10
Tributon/	11657.08	ZO-TEAR	1012 01	090.03 000.05	097.40 807.6		091.01	0.001030	4.00	1000.26	420.05
Tributary	11657.90		1913.91 2132.75	090.03 800.05	097.0 807.73		097.71 907.86	0.001102	4.25	1009.20	430
Tributon/	11007.00		007.09	030.03	031.13	°05 32	805.8	0.001173	4.47	261.10	305.81
Tributary	11009.00	Z-TEAR	1256.02	090.39	090.02 005 74	090.0∠ 905.61	090.0 006.16	0.005211	0.32 6 30	201.13	353 46
Tributary	11009.00		1200.02	800 30	090.14 205.03	995.01 995.74	090.10 806.33	0.003211	6.47	399.03 468.66	303.40
Tributary	11009.00		1721 5	800.30	896 17	205 87	890.00 896 57	0.00430	6 59	565 68	/17 82
Tributary	11009.00		1013.01	800.30	806 33	996.01	896.7	0.004000	6.58	645.42	417.02
Tributary	11009.00	100-YEAR	2132 75	890.39	896 54	896.23	896.87	0.004373	6 41	744 68	403.03
Tributary	10600.00		807.08	888.46	895.06	030.20	805 17	0.0000-0	3.25	500 32	424 47
Tributary	10690.17		1256.02	988.46	805 12		805 56	0.0007.00	3.20	747.27	424.47
Tributary	10690.17		1200.02	988.46	03J.42 805 57		805 72	0.000300	3.08	816.02	440.41
Tributary	10690.17	25-VEAR	1721 5	888.46	895 78		895 94	0.000307	43	909.21	401.00
Tributary	10690.17		1013 01	888.46	895.00		896.08	0.001030	4 49	970.16	468.98
Tributary	10690.17	100-YFAR	2132.75	888.46	896.13		896.3	0.001144	4.58	1074.22	489.94
Tributary	0032 969	2.VEAR	897.08	887.45	894 71		894 77	0.001131	2.61	839 54	654.66
Tributary	0032.000	5-VEAR	1256.02	887 45	895.01		895.09	0.000-00	2.01	1049.6	697.05
Tributary	0032.000		1446 74	887 45	895.14		895.22	0.000667	32	1134 99	706 17
Tributary	0032.000	25-VFAR	1721 5	887 45	895.29		895.38	0.000755	3 48	1246 13	717 52
Tributary	9932.969	50-YFAR	1913.91	887.45	895.39		895.49	0.000700	3.65	1320.27	724.99
Tributary	9932.969	100-YEAR	2132.75	887.45	895.68		895.77	0.000694	3.49	1531.01	745.83
Tributary	9888,318	2-YEAR	897.08	887.21	894.71	891.56	894,74	0.000223	1.87	1118.14	728.17
Tributary	9888.318	5-YEAR	1256.02	887.21	895.01	892.11	895.06	0.000292	2.23	1345.56	763.54
Tributary	9888.318	10-YEAR	1446.74	887.21	895.13	892.37	895.18	0.000333	2.41	1438.24	779.77
Tributary	9888.318	25-YEAR	1721.5	887.21	895.29	892.75	895.35	0.000391	2.66	1559.7	799.33
Tributary	9888.318	50-YEAR	1913.91	887.21	895.39	893	895.46	0.000429	2.82	1641.3	813.33
Tributary	9888.318	100-YEAR	2132.75	887.21	895.67	893.26	895.74	0.000388	2.77	1878.81	863.82
Tributary	9850.318		Bridge					-			
Tributary	9813.512	2-YEAR	897.08	886.87	893.27	892.64	893.62	0.003415	5.41	308.18	289.5
Tributary	9813.512	- 5-YEAR	1256.02	886.87	893.95	893.15	894.2	0.002321	5.03	623.11	658.72
Tributary	9813.512	10-YEAR	1446.74	886.87	894.21	893.27	894.4	0.001938	4.79	804.45	754.3
Tributary	9813.512	25-YEAR	1721.5	886.87	894.65	893.91	894.77	0.001312	4.19	1163.84	871.34
Tributary	9813.512	50-YEAR	1913.91	886.87	894.95	894.02	895.04	0.000968	3.75	1433.53	908.32
Tributary	9813.512	100-YEAR	2132.75	886.87	895.65	894.12	895.69	0.000445	2.77	2100.07	997.66
Tributary	9728.044	2-YEAR	886.94	886.66	893.16		893.35	0.001817	4	409.92	428.68
Tributary	9728.044	5-YEAR	1262.72	886.66	893.89		894.01	0.001144	3.62	853.64	717.48
Tributary	9728.044	10-YEAR	1405.34	886.66	894.17		894.26	0.000883	3.32	1054.44	750.71
Tributary	9728.044	25-YEAR	1585.7	886.66	894.62		894.68	0.000555	2.81	1402.39	786.48
Tributary	9728.044	50-YEAR	1724.69	886.66	894.93		894.97	0.000432	2.58	1647.12	810.69
Tributary	9728.044	100-YEAR	1904.73	886.66	895.63		895.66	0.00023	2.05	2238.68	858.92

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	9192.625	2-YEAR	886.94	886.15	892.78		892.83	0.000547	2.01	638.88	387.7
Tributary	9192.625	5-YEAR	1262.72	886.15	893.63		893.68	0.000368	1.96	995.59	447.47
Tributary	9192.625	10-YEAR	1405.34	886.15	893.94		893.98	0.00033	1.96	1136.69	480.21
Tributary	9192.625	25-YEAR	1585.7	886.15	894.45		894.48	0.000252	1.85	1387.9	506.43
Tributary	9192.625	50-YEAR	1724.69	886.15	894.78		894.81	0.000222	1.82	1559.06	530.5
Tributary	9192.625	100-YEAR	1904.73	886.15	895.54		895.56	0.000151	1.65	1987.78	647.77
Tributary	8600.113	2-YEAR	1092.58	885.58	891.96	889.43	892.26	0.001691	4.4	248.17	449.37
Tributary	8600.113	5-YEAR	1819.52	885.58	893.25	890.63	893.37	0.000746	3.44	1143.29	658.41
Tributary	8600.113	10-YEAR	2348.9	885.58	893.49	891.35	893.64	0.000933	3.97	1302.85	679.12
Tributary	8600.113	25-YEAR	3230.66	885.58	893.99	892.76	894.15	0.001017	4.39	1653.35	722.53
Tributary	8600.113	50-YEAR	3807.7	885.58	894.33	892.96	894.49	0.001006	4.53	1905.05	753.26
Tributary	8600.113	100-YEAR	4497.75	885.58	895.24	893.18	895.35	0.000629	3.91	2632.33	835.82
Tributary	8197.604	2-YEAR	1092.58	885.58	891.41	888.74	891.64	0.001328	3.88	281.24	234.77
Tributary	8197.604	5-YEAR	1819.52	885.58	892.54	889.81	892.91	0.001718	4.9	419.67	527.04
Tributary	8197.604	10-YEAR	2348.9	885.58	892.95	890.48	893.19	0.001279	4.45	984.55	582.87
Tributary	8197.604	25-YEAR	3230.66	885.58	893.32	891.43	893.62	0.001626	5.25	1205.82	623.5
Tributary	8197.604	50-YEAR	3807.7	885.58	893.68	892.32	893.98	0.001571	5.38	1435.82	663.11
Tributary	8197.604	100-YEAR	4497.75	885.58	894.92	892.88	895.07	0.000733	4.18	2351.58	809.46
Tributary	7745.407	2-YEAR	1221.89	885.56	888.73	888.73	890.05	0.013692	9.22	132.5	258.88
Tributary	7745.407	5-YEAR	2016.07	885.56	890.22	890.22	891.32	0.007919	8.73	296.51	408.59
Tributary	7745.407	10-YEAR	2669.95	885.56	891.1	891.1	892	0.005457	8.3	496.55	597.8
Tributary	7745.407	25-YEAR	3708.15	885.56	892.38		892.75	0.002176	6.21	1311.92	673.2
Tributary	7745.407	50-YEAR	4290.32	885.56	892.99		893.25	0.001537	5.58	1728.77	706.98
Tributary	7745.407	100-YEAR	4923.36	885.56	894.69		894.78	0.000495	3.71	3022.2	818.37
Tributary	7120.867	2-YEAR	1221.89	879.57	888.1		888.24	0.000728	3.22	529.76	209.05
Tributary	7120.867	5-YEAR	2016.07	879.57	889.8		889.93	0.000522	3.33	1002.27	484.98
Tributary	7120.867	10-YEAR	2669.95	879.57	890.79		890.91	0.000443	3.37	1517.1	556.37
Tributary	7120.867	25-YEAR	3708.15	879.57	892.14		892.24	0.000343	3.31	2322.1	635.82
Tributary	7120.867	50-YEAR	4290.32	879.57	892.74		892.83	0.000318	3.33	2713.52	668.44
Tributary	7120.867	100-YEAR	4923.36	879.57	894.56		894.61	0.000159	2.65	4026.52	762.84
Tributary	6661.149	2-YEAR	1221.89	879.56	887.43		887.73	0.001747	4.38	278.92	69.31
Tributary	6661.149	5-YEAR	2016.07	879.56	889.2		889.52	0.001574	4.65	532.94	355
Tributary	6661.149	10-YEAR	2669.95	879.56	890.39		890.62	0.00094	4.18	1007.71	417.54
Tributary	6661.149	25-YEAR	3708.15	879.56	891.87		892.03	0.000602	3.87	1657	465.69
Tributary	6661.149	50-YEAR	4290.32	879.56	892.49		892.65	0.000541	3.88	1952.72	484.65
Tributary	6661.149	100-YEAR	4923.36	879.56	894.44		894.53	0.000256	3.08	2974.82	572.39
Tributary	6465.54	2-YEAR	1221.89	879.57	887.18		887.41	0.001351	3.84	317.95	78.85
Tributary	6465.54	5-YEAR	2016.07	879.57	888.99		889.24	0.001121	4.13	571.87	272.33
Tributary	6465.54	10-YEAR	2669.95	879.57	890.25		890.45	0.000738	3.85	1043.77	420.74
Tributary	6465.54	25-YEAR	3708.15	879.57	891.77		891.92	0.000492	3.63	1733.06	478.63
Tributary	6465.54	50-YEAR	4290.32	879.57	892.4		892.55	0.000448	3.65	2040.21	495.19
Tributary	6465.54	100-YEAR	4923.36	879.57	894.39		894.48	0.000215	2.91	3093.1	568.26
Tributary	6300.468	2-YEAR	1225.59	879.31	887.05	883.44	887.22	0.000765	3.26	376.31	81.88
Tributary	6300.468	5-YEAR	2014.32	879.31	888.86	884.57	889.08	0.00072	3.77	590.68	234.29
Tributary	6300.468	10-YEAR	2653.72	879.31	890.1	885.28	890.33	0.000619	3.95	823.79	361.74
Tributary	6300.468	25-YEAR	3599.5	879.31	891.58	886.19	891.81	0.000535	4.14	1156.68	469.87
Tributary	6300.468	50-YEAR	4086.83	879.31	892.19	886.62	892.44	0.000519	4.27	1296.17	476.65
Tributary	6300.468	100-YEAR	4811.08	879.31	894.22	887.19	894.4	0.00032	3.81	1754.53	502.65
Tributary	6205.468		Bridge						_		
Tributary	6121.399	2-YEAR	1225.59	879.38	886.76	884.09	886.92	0.000774	3.58	513.47	278.85
Tributary	6121.399	5-YEAR	2014.32	879.38	888.57	885.33	888.72	0.000565	3.71	868.95	324
Tributary	6121.399	10-YEAR	2653.72	879.38	889.77	885.87	889.92	0.000489	3.82	1113.56	356.56
Tributarv	6121.399	25-YEAR	3599.5	879.38	891.12	886.37	891.29	0.000469	4.14	1389.45	387.27
Tributarv	6121.399	50-YEAR	4086.83	879.38	891.66	886.94	891.85	0.00048	4.34	1500.03	400.23
Tributary	6121.399	100-YEAR	4811.08	879.38	893.74	887.34	893.89	0.00031	3.94	1924.07	443.07

Induray Gr02 Cr03 Cr03 <thcr03< th=""> Cr03 Cr03 <</thcr03<>	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
Tholary 6022 257 2-YEAR 122.59 878.53 888.7 882.5 884.1 888.65 3.00055 3.29 613.16 103.82 Tholary 6022 257 10-YEAR 2653.32 878.53 888.5 884.7 889.65 0.000551 3.59 803.32 226.17 Tholary 6022 257 10-YEAR 4068.3 878.53 881.56 885.7 881.79 0.000514 44 149.02 373.03 Tholary 6022 257 10-YEAR 4068.83 878.53 883.16 0.886.29 830.66 0.00051 44 149.02 373.03 Tholary 5673.313 2-YEAR 122.59 878.09 888.49 888.40 0.000667 3.27 787.57 113.42 Tholary 5673.313 2-YEAR 2578.09 889.47 884.47 889.46 0.000668 3.61 101.98 127.64 424.52 117.64 889.47 884.47 889.47 884.47 889.47 884.47 889.47 889.47 889.47 889.47 889.47				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tholary 6022 257 5YEAR 2014 32 878.53 888.5 884.1 888.66 0.000554 3.29 613.16 103.22 Tirbutary 6022 257 5YEAR 2878.53 898.60 884.67 883.86 0.000554 3.86 1175.1 333.2 Tirbutary 6022 257 10/YEAR 4281.58 883.36 0.000254 3.26 417.1 333.2 Tirbutary 6773.13 2YEAR 1225.59 878.09 886.49 883.06 806.62 0.000712 2.89 424.52 101.4 Tirbutary 5679.313 10/YEAR 2083.27 887.69 880.40 0.000651 3.61 1019.80 217.6 Tirbutary 5679.313 10/YEAR 2083.37 878.12 885.49 891.03 0.000651 3.61 1019.80 214.74 Tirbutary 5679.313 10/YEAR 421.83 878.12 885.67 883.42 800.20 0.002602 5.33 320.47 56.61 Tirbutary	Tributary	6022.257	2-YEAR	1225.59	878.53	886.72	882.84	886.83	0.000544	2.76	443.67	91.81
Thobary 6022 257 10-YEAR 2653.72 878.53 888.66 888.67 898.66 0.000521 3.56 803.53 222.17 Thobary 6022 257 50-YEAR 4096.83 878.53 891.56 883.77 891.79 0.000521 3.26 2407.4 534.83 Thobary 5673.313 5-YEAR 1214.32 878.09 886.29 883.06 886.20 0.000712 2.89 424.52 101.49 Thobary 5673.313 5-YEAR 2629.14 22 878.09 886.29 880.00 886.40 883.00 0.000567 3.27 787.57 133.40 YEAR 2629.14 123.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.42 787.57 133.57 537.53 293.47 166.61 107.57	Tributary	6022.257	5-YEAR	2014.32	878.53	888.5	884.1	888.66	0.000555	3.29	613.16	103.82
Tholuary 6022.257 50°-KRA 3599.5 878.33 891.01 885.47 891.23 0.000574 3.86 1175.1 3338.2 Tribuary 6022.257 50°-KRA 491.08 878.53 893.72 886.26 893.86 0.000724 3.26 2407.4 544.8 Tribuary 6679.313 5°-KAR 210.43.2 878.09 888.49 884.07 884.64 0.000689 3.2 226.21 11.4 126.11 Tribuary 6579.313 5°-YEAR 255.72 878.09 889.47 884.47 889.64 0.000689 3.37 175.7 143.42 Tribuary 5679.313 10°-YEAR 4811.08 878.09 891.32 885.67 893.76 0.000207 3.07 1965.3 174.11 Tribuary 5490.167 2°-KAR 1228.33 878.12 885.67 883.42 886.20 0.000297 3.03 30.7.85 198.27 Tribuary 5490.167 2°-KAR 1228.33 877.12 888	Tributary	6022.257	10-YEAR	2653.72	878.53	889.66	884.67	889.86	0.000554	3.59	808.35	262.16
Tholuary 6022.257 60-YEAR 4066.83 678.63 691.76 891.77 0.000544 4 1349.02 373.00 Tinbutary 5679.313 2-YEAR 1225.59 878.09 888.40 888.46 0.000254 3.22 620.11 124.52 101.49 Tinbutary 5679.313 10-YEAR 2014.32 878.09 889.47 888.46 0.00067 3.37 787.57 143.42 Tinbutary 5679.313 10-YEAR 255.7 878.09 899.47 888.47 889.60 0.000651 3.77 1143.42 254.67 Tinbutary 5679.313 100-YEAR 4811.08 878.09 883.42 886.29 0.000297 3.07 1965.3 474.11 Tinbutary 5490.167 52-YEAR 1228.33 878.12 886.48 886.42 893.37 886.82 0.000297 3.07 1965.3 474.11 Tinbutary 5490.167 52-YEAR 1228.33 878.12 888.48 886.42 893.22	Tributary	6022.257	25-YEAR	3599.5	878.53	891.01	885.4	891.23	0.000521	3.86	1175.1	338.2
Thobary 6022,57 100-YEAR 4911.08 878.37 893.27 883.86 0.00254 3.26 2407.4 5443 Tribulary 5679.313 5-YEAR 1225.5 878.09 888.49 883.46 0.000699 3.2 629.18 126.11 Tribulary 5679.313 5-YEAR 2053.72 878.09 889.47 884.47 889.64 0.000688 3.31 1143.24 252.11 143.34 1143.89 640.00067 3.37 787.57 143.42 277.64 1141.89 6579.313 50-YEAR 4006.83 878.09 891.37 885.57 891.59 0.000260 5.33 230.47 56.61 Tribulary 5490.167 5-YEAR 1228.33 878.12 885.48 886.29 0.002602 5.33 230.47 56.61 Tribulary 5490.167 5-YEAR 3500.72 878.12 880.45 889.12 0.002402 5.33 230.47 56.61 127.72 486.61 120.77.7 486.03 800.62	Tributary	6022.257	50-YEAR	4086.83	878.53	891.56	885.77	891.79	0.000514	4	1349.02	373.09
Thobary 5679.313 2+VEAR 1225.59 878.09 888.49 883.06 886.62 0.000712 2.88 424.52 101.49 Tributary 5679.313 10-YEAR 2653.72 878.09 888.47 888.46 0.000656 3.61 101.98 217.64 Tributary 5679.313 10-YEAR 3696.5 878.09 890.47 885.47 691.03 0.000656 3.61 101.98 217.64 Tributary 5679.313 10-YEAR 4811.08 878.19 885.67 691.05 0.000267 3.07 1965.3 474.11 Tributary 5490.167 5-YEAR 201.81 878.12 885.87 880.32 0.000224 5.33 230.47 56.61 Tributary 5490.167 5-YEAR 200.27 787.81 889.87 881.37 885.37 885.32 0.00191 7.3 634.09 248.62 Tributary 5490.167 10-YEAR 4060.2 877.12 889.48 881.33 890.48	Tributary	6022.257	100-YEAR	4811.08	878.53	893.72	886.26	893.86	0.000254	3.26	2407.4	544.88
Tributary 5679.313 5-YEAR 2014.32 878.09 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 888.47 889.42 889.41 8	Tributary	5679.313	2-YEAR	1225.59	878.09	886.49	883.06	886.62	0.000712	2.89	424.52	101.49
Tributary 5679.313 CYEAR 2853.27 878.09 889.47 884.7 886.64 0.00067 3.37 787.57 143.42 Tributary 5679.313 50-YEAR 4086.83 878.09 880.62 885.49 891.03 0.000651 3.73 1148.26 254.67 Tributary 5697.313 100-YEAR 4811.06 878.09 883.42 886.22 0.002602 3.07 1665.5 474.11 Tributary 5490.167 5-YEAR 221.83 878.12 885.45 884.25 0.002602 5.33 230.47 56.61 207.72 Tributary 5490.167 10-YEAR 4265.38 886.37 889.32 0.001911 7.3 634.09 248.82 Tributary 5490.167 100-YEAR 4461.2 897.42 898.45 897.40 891.37 0.001911 7.3 634.09 248.82 Tributary 538.54 10-YEAR 4060.2 877.54 884.45 887.07 0.00278 6.0.9 <t< td=""><td>Tributary</td><td>5679.313</td><td>5-YEAR</td><td>2014.32</td><td>878.09</td><td>888.29</td><td>884.07</td><td>888.45</td><td>0.000689</td><td>3.2</td><td>629.18</td><td>126.11</td></t<>	Tributary	5679.313	5-YEAR	2014.32	878.09	888.29	884.07	888.45	0.000689	3.2	629.18	126.11
Tributary 5679.313 25-YEAR 3599.5 878.09 890.02 885.49 891.59 0.000658 3.61 1019.89 227.64 Tributary 5679.313 100-YEAR 4811.08 878.09 893.62 886.42 893.76 0.000207 3.07 1965.3 474.11 Tributary 5490.167 2-YEAR 1228.33 878.12 885.85 883.42 0.002202 5.33 230.47 5661 Tributary 5490.167 10-YEAR 2658.36 878.12 888.73 885.87 889.32 0.001929 6.27 466.61 207.72 Tributary 5490.167 10-YEAR 4813 878.12 890.48 887.48 893.23 0.00191 6.34 498.13 0.00191 6.34 498.13 0.00111 6.34 498.13 0.00111 6.34 498.13 0.00111 6.34 498.13 0.00111 6.34 498.13 0.00111 6.34 498.13 0.00127 5.51 222.75 60.56 6.35 </td <td>Tributary</td> <td>5679.313</td> <td>10-YEAR</td> <td>2653.72</td> <td>878.09</td> <td>889.47</td> <td>884.7</td> <td>889.64</td> <td>0.00067</td> <td>3.37</td> <td>787.57</td> <td>143.42</td>	Tributary	5679.313	10-YEAR	2653.72	878.09	889.47	884.7	889.64	0.00067	3.37	787.57	143.42
Tributary 5677.313 10.0VEPAR 4008.83 878.09 891.37 885.87 991.59 0.000651 3.73 1148.26 254.07 Tributary 5673.313 10.0VEPAR 811.10 878.09 883.42 886.42 883.76 0.0002602 5.33 230.47 56.61 Tributary 5490.167 5-YEAR 218.15 878.12 887.58 884.45 888.12 0.0012244 5.33 357.85 169.27 Tributary 5490.167 10-YEAR 4265.83 878.12 889.78 889.32 0.001911 7.3 634.09 248.27 Tributary 5490.167 10-YEAR 4060.2 878.12 889.12 0.001911 7.3 634.09 248.25 Tributary 5385.84 2YEAR 1228.33 877.54 888.12 800.101 6.34 985.51 0.00116 6.34 985.11 806.11 887.56 885.11 886.23 0.002127 5.51 222.75 60.56 7.45 881.63 <t< td=""><td>Tributary</td><td>5679.313</td><td>25-YEAR</td><td>3599.5</td><td>878.09</td><td>890.82</td><td>885.49</td><td>891.03</td><td>0.000658</td><td>3.61</td><td>1019.89</td><td>217.64</td></t<>	Tributary	5679.313	25-YEAR	3599.5	878.09	890.82	885.49	891.03	0.000658	3.61	1019.89	217.64
Tributary 5679.313 100-YEAR 4811.08 878.09 893.62 886.42 893.76 883.62 80.00277 3.07 1965.31 474.11 Tributary 5490.167 S-YEAR 2018.15 878.12 885.85 883.42 806.29 0.0002244 5.93 320.47 56.61 Tributary 5490.167 S-YEAR 2058.36 878.12 888.73 885.57 889.20 0.001929 6.27 466.61 207.72 Tributary 5490.167 SO-YEAR 4060.2 878.12 890.45 887.48 891.23 0.001911 7.3 634.09 248.82 Tributary 5445.167 Bridge - </td <td>Tributary</td> <td>5679.313</td> <td>50-YEAR</td> <td>4086.83</td> <td>878.09</td> <td>891.37</td> <td>885.87</td> <td>891.59</td> <td>0.000651</td> <td>3.73</td> <td>1148.26</td> <td>254.67</td>	Tributary	5679.313	50-YEAR	4086.83	878.09	891.37	885.87	891.59	0.000651	3.73	1148.26	254.67
Tributary 5490.167 2-YEAR 1228.33 878.12 885.85 883.42 886.20 0.002602 5.33 230.47 56.61 Tributary 5490.167 IO-YEAR 2688.36 878.12 885.85 884.95 889.32 0.001929 6.27 466.61 207.72 Tributary 5490.167 IO-YEAR 4606.2 878.12 889.93 890.45 891.23 0.001919 6.27 466.61 207.72 Tributary 5490.167 IO-YEAR 4813 878.12 892.97 888.12 893.54 0.00116 6.34 885.38 Tributary 5445.167 Bridge 885.32 0.003127 5.51 222.75 60.56 Tributary 5385.84 C-YEAR 128.33 877.54 884.85 883.07 885.32 0.00265 6.45 412.26 78.13 Tributary 5385.84 EO-YEAR 4265.33 877.54 886.68 889.22 0.002265 7.47 548.55 Tributary 5385.84 EO-YEAR <td>Tributary</td> <td>5679.313</td> <td>100-YEAR</td> <td>4811.08</td> <td>878.09</td> <td>893.62</td> <td>886.42</td> <td>893.76</td> <td>0.000297</td> <td>3.07</td> <td>1965.3</td> <td>474.11</td>	Tributary	5679.313	100-YEAR	4811.08	878.09	893.62	886.42	893.76	0.000297	3.07	1965.3	474.11
Tributary 5490.167 F>YEAR 2018.15 878.12 887.58 884.95 888.32 0.0001244 5.93 357.85 169.27 Tributary 5490.167 10-YEAR 2658.36 878.12 888.73 885.87 889.32 0.001285 6.27 466.61 207.72 Tributary 5490.167 25-YEAR 460.02 878.12 889.46 881.22 80.068 0.001101 6.34 895.1 385.38 Tributary 5490.167 10-YEAR 4813 877.54 884.85 883.07 885.32 0.00111 6.34 895.1 385.44 77.54 885.48 885.32 0.002796 6.09 331.14 71.15 71.15 78.75 885.54 885.14 885.23 0.002796 6.09 331.14 71.15 78.75 885.58 885.14 889.52 0.002796 6.09 331.14 71.15 7.07 507.79 85.65 77.54 885.48 889.52 0.002796 7.07 507.79 85.65 Tributary 5345.84 100-YEAR 4268.36 877.21 886.48 <td>Tributary</td> <td>5490.167</td> <td>2-YEAR</td> <td>1228.33</td> <td>878.12</td> <td>885.85</td> <td>883.42</td> <td>886.29</td> <td>0.002602</td> <td>5.33</td> <td>230.47</td> <td>56.61</td>	Tributary	5490.167	2-YEAR	1228.33	878.12	885.85	883.42	886.29	0.002602	5.33	230.47	56.61
Tributary 5490.167 10-YEAR 2658.36 878.12 888.73 885.87 885.87 885.82 0.001925 6.27 466.61 207.72 Tributary 5490.167 50-YEAR 4060.2 878.12 889.48 886.93 800.68 0.001915 6.91 588.08 227.81 Tributary 5440.167 D0-YEAR 4061.2 877.54 884.28 883.07 895.32 0.00191 6.34 895.1 385.84 Tributary 5385.84 5YEAR 1228.33 877.54 884.48 887.07 0.002766 6.09 331.14 71.15 Tributary 5385.84 5YEAR 2018.15 877.54 886.49 880.02 0.002765 6.45 412.26 78.13 Tributary 5385.84 590.72 877.54 886.49 890.02 0.00289 7.47 548.81 195.02 Tributary 5385.41 CVFEAR 4481.3 877.24 886.48 881.16 0.001341 331.24.4 860	Tributary	5490.167	5-YEAR	2018.15	878.12	887.58	884.95	888.12	0.002244	5.93	357.85	169.27
Tributary 5490.167 25-YEAR 3590.72 878.12 889.98 886.93 890.68 0.00185 6.91 588.08 2237.61 Tributary 5490.167 50-YEAR 4060.2 878.12 892.97 888.12 90.01911 7.3 634.09 248.82 Tributary 5445.167 Bridge 882.97 888.12 80.03127 5.51 222.75 60.56 Tributary 5385.46 5YEAR 2128.33 877.54 886.49 884.34 887.07 0.002796 6.09 331.14 71.15 Tributary 5385.84 5YEAR 2058.36 877.54 886.75 886.11 880.20 0.00273 7.07 507.79 85.65 Tributary 5385.84 10-YEAR 4813 877.54 888.16 880.60 899.52 0.00273 7.07 507.79 85.65 Tributary 5340.044 10-YEAR 4833 877.21 887.68 887.11 0.00141 3.83 326.041 80.412	Tributary	5490.167	10-YEAR	2658.36	878.12	888.73	885.87	889.32	0.001929	6.27	466.61	207.72
Tributary 5490.167 50-YEAR 4000.2 878.12 890.45 887.48 891.23 0.001911 7.3 634.09 248.82 Tributary 5445.167 Bridge 385.38 Tributary 5385.84 5-YEAR 1228.33 877.54 884.85 883.07 885.32 0.003127 5.51 222.75 60.56 Tributary 5385.84 5-YEAR 2018.15 877.54 886.49 884.34 887.07 0.00276 6.09 331.14 7.13 Tributary 5385.84 10-YEAR 2658.36 877.54 888.75 886.86 889.20 0.00273 7.07 507.79 85.55 Tributary 5385.84 10-YEAR 4813 877.54 889.6 887.13 890.65 0.002285 7.47 548.19 195.02 Tributary 5340.014 5-YEAR 2283.38 877.21 886.56 881.79 885.11 0.001341 3.83 320.41 80.41 Tributary 5340.014 5-YEAR 22653.6	Tributary	5490.167	25-YEAR	3590.72	878.12	889.98	886.93	890.68	0.00185	6.91	588.08	237.61
Tributary 5490.167 100-YEAR 4813 678.12 892.97 888.12 893.54 0.00101 6.34 995.1 385.88 Tributary 5385.84 2-YEAR 1228.33 877.54 884.85 883.07 885.22 0.003127 5.51 222.75 60.56 Tributary 5385.84 10-YEAR 2265.36 877.54 887.58 886.49 884.34 887.07 0.002796 6.09 331.14 71.15 Tributary 5385.84 10-YEAR 2658.36 877.54 887.758 886.49 890.02 0.002295 7.47 548.19 196.02 Tributary 5385.84 100-YEAR 4813 877.21 888.45 887.13 890.65 0.001341 3.83 320.41 80.41 Tributary 5340.014 5-YEAR 225.83 877.21 886.55 881.16 887.99 0.001236 4.65 572.13 100.96 Tributary 5340.014 10-YEAR 2658.36 877.21 888	Tributary	5490.167	50-YEAR	4060.2	878.12	890.45	887.48	891.23	0.001911	7.3	634.09	248.82
Tributary 5445.167 Bridge Image: Constraint of the second sec	Tributary	5490.167	100-YEAR	4813	878.12	892.97	888.12	893.54	0.00101	6.34	895.1	385.38
Tributary 5385.84 2-YEAR 1228.33 877.54 884.85 883.07 0.003127 5.51 222.75 60.56 Tributary 5385.84 5-YEAR 2018.15 877.54 886.49 884.34 887.07 0.00276 6.09 331.14 71.15 Tributary 5385.84 10-YEAR 3590.72 877.54 888.75 886.08 889.52 0.00273 7.07 507.79 85.65 Tributary 5385.84 50-YEAR 4060.2 877.54 889.16 886.49 890.02 0.002895 7.47 5481.9 196.02 Tributary 5340.014 5-YEAR 4060.2 877.21 884.88 881.79 880.51 0.001266 4.34 465.31 922.63 Tributary 5340.014 10-YEAR 2658.36 877.21 886.65 883.94 887.99 0.001236 4.65 572.13 100.96 Tributary 5340.014 10-YEAR 2658.36 877.21 888.58 884.23 890.29 0.001445 5.48 807.32 26.72 300.73 236.72 <	Tributary	5445.167		Bridge								
Tributary 5385.84 5-YEAR 2018.15 877.54 886.49 887.11 887.07 0.002796 6.09 331.14 77.15 Tributary 5385.84 10-YEAR 2658.36 877.54 887.58 885.11 888.23 0.00273 7.07 507.79 85.65 Tributary 5385.84 10-YEAR 4060.2 877.54 889.16 886.49 890.02 0.002895 7.47 548.19 195.02 Tributary 5385.84 100-YEAR 4813 877.54 889.6 887.13 890.65 0.002895 7.47 548.19 195.02 Tributary 5340.014 2-YEAR 1228.3 877.21 886.55 883.15 886.50 0.001236 4.65 572.13 100.96 Tributary 5340.014 10-YEAR 2658.36 877.21 887.66 883.24 0.001302 5.14 712.14 195.58 Tributary 5340.014 10-YEAR 4813 877.21 889.6 884.23 0.001302 5.14 712.14 195.58 Tributary 5340.014 <t< td=""><td>Tributary</td><td>5385.84</td><td>2-YEAR</td><td>1228.33</td><td>877.54</td><td>884.85</td><td>883.07</td><td>885.32</td><td>0.003127</td><td>5.51</td><td>222.75</td><td>60.56</td></t<>	Tributary	5385.84	2-YEAR	1228.33	877.54	884.85	883.07	885.32	0.003127	5.51	222.75	60.56
Tributary 5385.84 10-YEAR 2658.36 877.54 887.58 888.75 888.23 0.00265 6.45 412.26 77.13 Tributary 5385.84 25-YEAR 3590.72 877.54 888.75 886.08 889.52 0.00273 7.07 507.79 85.65 Tributary 5385.84 10-YEAR 4813 877.54 889.6 887.13 890.65 0.002295 7.47 548.19 195.02 Tributary 5340.014 5-YEAR 4228.33 877.21 886.55 883.15 886.85 0.001266 4.34 465.31 92.8 Tributary 5340.014 5-YEAR 2058.36 877.21 888.55 883.15 886.85 0.001230 5.14 77.14 195.58 Tributary 5340.014 5-YEAR 4060.2 877.21 889.26 885.23 889.73 0.001302 5.14 77.14 195.58 Tributary 5340.014 10-YEAR 4813 877.21 889.76 885.73 889.73 0.001302 5.4 807.32 236.72 Tributar	Tributary	5385.84	5-YEAR	2018.15	877.54	886.49	884.34	887.07	0.002796	6.09	331.14	71.15
Tributary 5385.84 2590.72 877.54 888.75 886.08 889.52 0.00273 7.07 507.79 886.61 Tributary 5385.84 50-YEAR 4060.2 877.54 889.16 886.08 890.02 0.002895 7.47 548.19 195.02 Tributary 5385.04 100-YEAR 4813 877.54 889.6 887.13 890.65 0.002398 8.23 600.36 226.39 Tributary 5340.014 5-YEAR 2018.15 877.21 884.86 881.179 886.55 0.001302 4.65 572.13 100.96 Tributary 5340.014 10-YEAR 2658.36 877.21 888.76 888.73 889.73 0.001302 5.14 712.14 195.58 Tributary 5340.014 10-YEAR 4060.2 877.21 889.76 885.23 890.73 0.001302 5.14 712.14 195.58 Tributary 5071.343 2-YEAR 4813 877.21 889.76 886.53 0.001302 5.14 712.14 195.56 Tributary 5071.343	Tributary	5385.84	10-YEAR	2658.36	877.54	887.58	885.11	888.23	0.00265	6.45	412.26	78.13
Tributary 5385.84 50YEAR 4060.2 877.54 889.16 886.49 890.02 0.002895 7.47 548.19 195.02 Tributary 5385.84 100-YEAR 4813 877.54 889.66 887.13 890.65 0.003298 8.23 600.36 226.39 Tributary 5340.014 5-YEAR 2018.15 877.21 886.86 881.15 886.85 0.001266 4.34 466.31 92.8 Tributary 5340.014 5-YEAR 2018.15 877.21 886.66 883.94 887.99 0.001236 4.65 572.13 100.96 Tributary 5340.014 50-YEAR 4060.2 877.21 889.26 885.23 889.73 0.001302 5.14 712.14 195.58 Tributary 5340.014 100-YEAR 4813 877.21 889.76 885.8 890.29 0.001445 5.89 393.48 308.78 Tributary 5071.343 2-YEAR 1228.33 876.95 886.58 0.000308 3.16 389.16 128.17 Tributary 5071.343	Tributary	5385.84	25-YEAR	3590.72	877.54	888.75	886.08	889.52	0.00273	7.07	507.79	85.65
Tributary 5386.84 100-YEAR 4813 877.54 889.6 887.13 890.65 0.003298 8.23 600.36 226.39 Tributary 5340.014 2-YEAR 1228.33 877.21 884.88 881.79 865.11 0.001341 3.83 320.41 80.41 Tributary 5340.014 5-YEAR 2018.15 877.21 888.55 883.15 886.85 0.001266 4.34 465.31 92.8 Tributary 5340.014 25-YEAR 3590.72 877.21 888.85 884.86 889.26 0.001302 5.14 712.14 195.58 Tributary 5340.014 100-YEAR 4813 877.21 889.28 885.23 899.73 0.001302 5.14 712.14 195.58 Tributary 5340.014 100-YEAR 4813 877.21 889.26 885.23 890.29 0.001445 5.89 939.48 308.78 Tributary 5071.343 2-YEAR 4218.3 876.95 885.31 806.53 0.000816 3.16 637.94 147.13 Tributary <	Tributary	5385.84	50-YEAR	4060.2	877.54	889.16	886.49	890.02	0.002895	7.47	548.19	195.02
Tributary 5340.014 2-YEAR 1228.33 877.21 884.88 881.79 885.11 0.001341 3.83 320.41 80.41 Tributary 5340.014 5-YEAR 2018.15 877.21 886.55 683.15 886.85 0.001266 4.34 465.31 92.8 Tributary 5340.014 10-YEAR 2658.36 877.21 888.68 883.94 887.99 0.001302 5.14 712.14 195.58 Tributary 5340.014 50-YEAR 4060.2 877.21 889.26 885.23 89.29 0.001302 5.14 712.14 195.58 Tributary 5340.014 100-YEAR 4813 877.21 889.76 885.8 890.29 0.001445 5.89 939.48 308.78 Tributary 5071.343 2-YEAR 1228.33 876.95 884.58 884.73 0.001308 3.16 389.16 128.17 Tributary 5071.343 10-YEAR 2658.36 876.95 887.53 887.69 0.000723 3.27 814.12 165.2 Tributary 5071.343	Tributary	5385.84	100-YEAR	4813	877.54	889.6	887.13	890.65	0.003298	8.23	600.36	226.39
Tributary5340.0145>YEAR2018.15877.21886.55883.15886.850.0012664.34465.3192.8Tributary5340.01410-YEAR2658.36877.21887.66883.94887.990.0012364.65572.13100.96Tributary5340.01450-YEAR3590.72877.21888.85884.86889.260.0013025.14712.14195.58Tributary5340.01450-YEAR4060.2877.21889.76885.8890.290.0014455.89939.48308.78Tributary5071.3432-YEAR1228.33876.95884.58884.730.0003083.16389.16128.17Tributary5071.3435-YEAR2018.15876.95886.53886.530.00027233.27814.12165.2Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34310-YEAR460.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.34310-YEAR4813876.95889.75888.950.0006243.391197.15386.63Tributary5071.34310-YEAR4813876.26883.75884.920.0005963.491381.11411.89Tributary5071.34310-YEAR4813876.26883.75884.920.0002075.48368.5171.73	Tributary	5340.014	2-YEAR	1228.33	877.21	884.88	881.79	885.11	0.001341	3.83	320.41	80.41
Tributary5340.01410-YEAR2658.36877.21887.66883.94887.990.0012364.65572.13100.96Tributary5340.01450-YEAR3590.72877.21888.85884.86889.260.0013025.14712.14195.58Tributary5340.01450-YEAR4060.2877.21889.28885.23889.730.0013325.4807.32236.72Tributary5340.014100-YEAR4813877.21889.76885.8890.290.0014455.89939.48308.78Tributary5071.3435-YEAR1228.33876.95884.58884.730.0013083.16389.16128.17Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34310-YEAR2658.36876.95888.78888.950.0006243.391197.15386.63Tributary5071.34310-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary5071.343100-YEAR4813876.26883.75884.120.0019664.88251.6654.77Tributary5071.343100-YEAR4813876.26885.75884.120.0020875.48366.5171.73Tributary4700.7855-YEAR2018.15876.26885.75886.050.0020875.48366.5171.73 <tr< td=""><td>Tributary</td><td>5340.014</td><td>5-YEAR</td><td>2018.15</td><td>877.21</td><td>886.55</td><td>883.15</td><td>886.85</td><td>0.001266</td><td>4.34</td><td>465.31</td><td>92.8</td></tr<>	Tributary	5340.014	5-YEAR	2018.15	877.21	886.55	883.15	886.85	0.001266	4.34	465.31	92.8
Inbutary5340.01425-YEAR3590.72877.21888.85884.86889.260.0013025.14712.14195.58Tributary5340.01450-YEAR4060.2877.21889.28885.23889.730.0013325.4807.32236.72Tributary5340.014100-YEAR4813877.21889.76885.8890.290.0014455.89939.48308.78Tributary5071.3432-YEAR1228.33876.95884.58884.730.0013083.16637.94147.13Tributary5071.34310-YEAR2018.15876.95886.38886.530.000243.391197.15386.63Tributary5071.34310-YEAR2658.36876.95887.53889.240.0005963.491381.11411.89Tributary5071.34310-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.26883.75884.120.001964.88251.6654.77Tributary4700.7852-YEAR1228.33876.26885.58886.050.0020875.48368.5171.73Tributary4700.7855-YEAR2018.15876.26885.58886.050.0021735.48368.5171.73Tributary4700.78550-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary	Tributary	5340.014	10-YEAR	2658.36	877.21	887.66	883.94	887.99	0.001236	4.65	572.13	100.96
Inbutary5340.01450-YEAR4060.2877.21889.28885.23889.730.0013225.4807.32226.72Tributary5340.014100-YEAR4813877.21889.76885.8890.290.0014455.89939.48308.78Tributary5071.3432-YEAR1228.33876.95884.58884.730.00013083.16637.94147.13Tributary5071.3435-YEAR2018.15876.95886.38886.530.00007233.27814.12165.2Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34325-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34310-YEAR4813876.95889.75889.920.0005963.491381.11411.89Tributary5071.34310-YEAR4813876.26883.75884.120.0005963.491381.11411.89Tributary4700.7855-YEAR1228.33876.26883.75884.230.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26885.58886.650.0020875.48368.5171.73Tributary4700.78550-YEAR4060.2876.26885.98885.40.00196.12734.28340.54Tributary4700.785<	Tributary	5340.014	25-YEAR	3590.72	877.21	888.85	884.86	889.26	0.001302	5.14	712.14	195.58
Induitary5340.014100-YEAR4413877.21889.76885.8890.290.0014455.89939.48308.78Tributary5071.3432-YEAR1228.33876.95884.58884.730.0013083.16389.16128.17Tributary5071.3435-YEAR2018.15876.95886.38886.530.0008163.16637.94147.13Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34350-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34350-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78550-YEAR2018.15876.26885.58886.230.001196.12734.28340.54Tributary4700.78550-YEAR2058.36876.26885.78888.540.00196.12734.28340.54Tributary4700.78550-YEAR4813876.26885.51889.960.0017076.11922.05377.38Tributary4700.78550-YE	Tributary	5340.014	50-YEAR	4060.2	877.21	889.28	885.23	889.73	0.001332	5.4	807.32	236.72
Inbutary50/1.3432-YEAR1228.338/6.95884.58884.730.0013083.16389.16128.17Tributary5071.3435-YEAR2018.15876.95886.38886.530.0008163.16637.94147.13Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34325-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34350-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary4700.7852-YEAR1228.33876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.78510-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4700.78510-YEAR48		5340.014	100-YEAR	4813	877.21	889.76	885.8	890.29	0.001445	5.89	939.48	308.78
Inbutary50/1.3435-YEAR2018.15876.95886.38886.530.0008163.16637.94147.13Tributary5071.34310-YEAR2658.36876.95887.53887.690.0007233.27814.12165.2Tributary5071.34325-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34350-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary5071.343100-YEAR4813876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.69887.230.0021135.86453.4280.89Tributary4700.78550-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.78510-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4700.78510-YEAR481	Tributary	5071.343	2-YEAR	1228.33	876.95	884.58		884.73	0.001308	3.16	389.16	128.17
Inbutary5071.34310-YEAR2658.36876.95887.69687.690.0007233.27814.12165.2Tributary5071.34325-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34350-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary4700.7852-YEAR1228.33876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.99887.230.0021135.86453.4280.89Tributary4700.78550-YEAR4060.2876.26886.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.655-YEAR2018	Tributary	5071.343	5-YEAR	2018.15	876.95	886.38		886.53	0.000816	3.16	637.94	147.13
Inbutary50/1.34325-YEAR3590.72876.95888.78888.950.0006243.391197.15386.63Tributary5071.34350-YEAR4060.2876.95889.24889.420.0005963.491381.11411.89Tributary5071.343100-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary4700.7852-YEAR1228.33876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.99887.230.0021135.86453.4280.89Tributary4700.78550-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.65 </td <td>Tributary</td> <td>5071.343</td> <td>10-YEAR</td> <td>2658.36</td> <td>876.95</td> <td>887.53</td> <td></td> <td>887.69</td> <td>0.000723</td> <td>3.27</td> <td>814.12</td> <td>165.2</td>	Tributary	5071.343	10-YEAR	2658.36	876.95	887.53		887.69	0.000723	3.27	814.12	165.2
Indulary5071.34350-FEAR4000.2676.95609.24609.240.0003963.491381.11411.89Tributary5071.343100-YEAR4813876.95889.75889.950.0006173.741597.08439.33Tributary4700.7852-YEAR1228.33876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.69887.230.0021135.86453.4280.89Tributary4700.78550-YEAR3590.72876.26885.51889.040.0017076.11922.05377.38Tributary4700.78550-YEAR4060.2876.26888.99889.560.0017526.471111.05414.5Tributary4700.785100-YEAR4813876.26888.99883.190.0024495.22235.1763.97Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	5071.343		3590.72	876.95	888.78		888.95	0.000624	3.39	1197.15	380.03
Tributary3071.343100-TEAR4813876.35683.75889.350.0000173.741397.06439.35Tributary4700.7852-YEAR1228.33876.26883.75884.120.0019664.88251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.69887.230.0021135.86453.4280.89Tributary4700.78525-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	5071.343	100 VEAR	4000.2	070.90 976.05	009.24		009.42	0.000596	3.49 2.74	1507.09	411.09
Indulary4700.7852-1 EAR1220.33876.26663.75684.120.0019664.68251.6654.77Tributary4700.7855-YEAR2018.15876.26885.58886.050.0020875.48368.5171.73Tributary4700.78510-YEAR2658.36876.26886.69887.230.0021135.86453.4280.89Tributary4700.78525-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	4700 795		4013	070.90	009.75		009.90	0.000017	3.74	1597.00	439.33
Tributary4700.78551-EAR2018.15876.26883.36888.050.0020875.48368.3171.73Tributary4700.78510-YEAR2658.36876.26886.69887.230.0021135.86453.4280.89Tributary4700.78525-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	4700.705		1220.33	070.20	003.73		004.1Z	0.001900	4.00 5.49	201.00	04.// 71.72
Tributary4700.78510-TEAR2033.30876.20860.09887.230.0021135.86433.4280.89Tributary4700.78525-YEAR3590.72876.26887.98888.540.00196.12734.28340.54Tributary4700.78550-YEAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	4700.765		2010.10	070.20	000.00		000.00	0.002007	5.40 5.96	452.42	00.00
Tributary4700.785207EAR4060.2876.26888.51889.040.0017076.11922.05377.38Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	4700.785		2000.00	876.26	887.08		888 54	0.002113	5.00 6.12	734.28	340.54
Tributary4700.785100-YEAR4813876.26888.99889.560.0017526.471111.05414.5Tributary4278.652-YEAR1228.33875.42882.77879.82883.190.0024495.22235.1763.97Tributary4278.655-YEAR2018.15875.42884.58881.51885.090.0024425.75350.895.17Tributary4278.6510-YEAR2658.36875.42885.67882.64886.250.0025096.11435.03118.76	Tributary	4700.785	50-YEAR	4060.2	876.26	888 51		889.04	0.0013	6.11	922.05	340.34
Tributary 4278.65 2-YEAR 1228.33 875.42 882.77 879.82 883.19 0.002449 5.22 235.17 63.97 Tributary 4278.65 5-YEAR 2018.15 875.42 884.58 881.51 885.09 0.002449 5.22 235.17 63.97 Tributary 4278.65 5-YEAR 2018.15 875.42 884.58 881.51 885.09 0.002442 5.75 350.8 95.17 Tributary 4278.65 10-YEAR 2658.36 875.42 885.67 882.64 886.25 0.002509 6.11 435.03 118.76	Tributary	4700.785		4000.2	876.26	888.99		889 56	0.001752	6.47	1111 05	414 5
Tributary 4278.65 5-YEAR 2018.15 875.42 884.58 881.51 885.09 0.002442 5.75 350.8 95.17 Tributary 4278.65 10-YEAR 2658.36 875.42 884.58 881.51 885.09 0.002442 5.75 350.8 95.17 Tributary 4278.65 10-YEAR 2658.36 875.42 885.67 882.64 886.25 0.002509 6.11 435.03 118.76	Tributary	/278.65		1228 33	875.42	882 77	870 82	883.10	0.002449	5.22	235.17	63.07
Tributary 4278.65 10-YEAR 2658.36 875.42 885.67 882.64 886.25 0.002509 6.11 435.03 118.76	Tributary	4278.65	5-YEAR	2018 15	875.42	884 58	881 51	885.09	0.002443	5.75	350.8	95.17
	Tributary	4278.65	10-YEAR	2658 36	875.42	885.67	882.64	886.25	0.002442	6.11	435.03	118 76
Tributary 1 4278 65 25-YEAR 3590 72 875 42 886 96 883 78 887 61 0 002537 6 46 556 94 206 2	Tributary	4278.65	25-YEAR	3590.72	875.42	886.96	883 78	887.61	0.002537	6.46	556.94	206.2
Tributary 4278 65 50-YEAR 4060 2 875 42 887 40 884 26 888 18 0 002307 6.40 530.94 200.2	Tributary	4278.65	50-YEAR	4060.72	875 42	887 40	884 26	888.19	0.002337	6.67	620.62	358 77
Tributary 4278 65 100-YEAR 4813 875 42 888 31 884 95 888 82 0.001698 6.1 1157 26 476 98	Tributary	4278.65	100-YFAR	4000.2	875.42	888.31	884 95	888.82	0.001698	6.1	1157 26	476 98
Tributary 3421 745 2-YEAR 1228 33 873 71 881 11 881 44 0.001687 4.62 265 08 58 02	Tributary	3421 745	2-YFAP	1228 33	873 71	881 11	004.00	881 11	0.001687	1 62	265 02	58 02
Tributary 3421 745 5-YEAR 2018 15 873 71 882 99 883 41 0.001566 5.2 300 46 77 81	Tributary	3421.745	5-YEAR	2018 15	873 71	882 99		883 41	0.001566	4.02 5.2	390 46	77 81
Tributary 3421 745 10-YEAR 2658 36 873 71 884 13 884 62 0.001458 5.67 492 17 101 02	Tributary	3421 745	10-YFAR	2658.36	873 71	884 13		884 62	0.001458	5.67	492 17	101 02
Tributary 3421 745 25-YEAR 3590 72 873 71 885 39 886 0.001449 6.33 637 84 128 76	Tributary	3421 745	25-YEAR	3590.72	873 71	885.30		886	0.001449	6.33	637.84	128 76
Tributary 3421.745 50-YEAR 4060.2 873.71 885.97 886.62 0.001435 6.59 715.2 139.93	Tributary	3421 745	50-YFAR	4060.72	873 71	885 97		886 62	0.001435	6.59	715.2	139 93
Tributary 3421.745 100-YEAR 4813 873.71 886.77 887.49 0.001454 7.03 833.55 164.55	Tributarv	3421.745	100-YEAR	4813	873.71	886.77		887.49	0.001454	7.03	833.55	164.55

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
	<u> </u>	<u> </u>	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	2994.294	2-YEAR	1228.33	872.68	880.43	876.99	880.76	0.001482	4.65	264.05	50.83
Tributary	2994.294	5-YEAR	2018.15	872.68	882.21	878.37	882.69	0.001789	5.52	365.85	63.06
Tributary	2994.294	10-YEAR	2658.36	872.68	883.33	879.31	883.9	0.001941	6.03	440.65	70.72
Tributary	2994.294	25-YEAR	3590.72	872.68	884.52	880.67	885.23	0.002205	6.79	529.37	80.52
Tributary	2994.294	50-YEAR	4060.2	872.68	885.07	881.22	885.84	0.002263	7.08	575.68	88.14
Tributary	2994.294	100-YEAR	4813	872.68	885.82	882.03	886.71	0.002277	7.56	646.56	145.28
Tributary	2439.681	2-YEAR	1231.08	872.69	879.06		879.6	0.003049	5.88	209.33	50.44
Tributary	2439.681	5-YEAR	2023.71	872.69	880.61	i I	881.35	0.003268	6.89	293.73	58.59
Tributary	2439.681	10-YEAR	2665.27	872.69	881.59		882.47	0.003377	7.54	354.88	73.21
Tributary	2439.681	25-YEAR	3527.67	872.69	882.63		883.69	0.003454	8.31	452.39	114.66
Tributary	2439.681	50-YEAR	4005.5	872.69	883.19		884.3	0.00337	8.55	522.84	135.09
Tributary	2439.681	100-YEAR	4826.98	872.69	884.11		885.25	0.003009	8.79	671.33	188.78
Tributary	2290.547	2-YEAR	1231.08	872.4	878.83	876.2	879.21	0.001806	4.95	248.53	226.5
Tributary	2290.547	5-YEAR	2023.71	872.4	880.36	877.46	880.91	0.002095	6	361.97	395.12
Tributary	2290.547	10-YEAR	2665.27	872.4	881.37	878.31	882	0.002145	6.54	490.6	512.01
Tributary	2290.547	25-YEAR	3527.67	872.4	882.58	879.42	883.19	0.001798	6.65	720.18	575.09
Tributary	2290.547	50-YEAR	4005.5	872.4	883.22	880.07	883.81	0.001621	6.66	840.72	595.23
Tributary	2290.547	100-YEAR	4826.98	872.4	884.21	881.01	884.78	0.00142	6.73	1028.93	622.16
Tributary	1483.476	2-YEAR	1231.08	868.52	877.38		877.75	0.001803	4.92	256.63	86.99
Tributary	1483.476	5-YEAR	2023.71	868.52	879.32		879.65	0.001173	4.97	589.51	196.13
Tributary	1483.476	10-YEAR	2665.27	868.52	880.61		880.9	0.000904	4.9	860.44	222.48
Tributary	1483.476	25-YEAR	3527.67	868.52	882.05		882.31	0.000716	4.86	1187.88	231.57
Tributary	1483.476	50-YEAR	4005.5	868.52	882.75	i I	883.01	0.000658	4.89	1352.41	236.01
Tributary	1483.476	100-YEAR	4826.98	868.52	883.81		884.07	0.000605	5.01	1606.14	242.7
Tributary	1052.839	2-YEAR	1231.08	868.24	876.69	i I	877.04	0.001482	4.73	260.11	48.91
Tributary	1052.839	5-YEAR	2023.71	868.24	878.53	i I	879.03	0.001707	5.67	357.08	56.75
Tributary	1052.839	10-YEAR	2665.27	868.24	879.73	l l	880.33	0.001822	6.22	428.19	62.01
Tributary	1052.839	25-YEAR	3527.67	868.24	881.05		881.78	0.001971	6.86	514.33	68.26
Tributary	1052.839	50-YEAR	4005.5	868.24	881.69	i I	882.49	0.00204	7.16	559.2	71.33
Tributary	1052.839	100-YEAR	4826.98	868.24	882.65		883.56	0.002044	7.69	629.32	75.9
Tributary	896.5909	2-YEAR	1231.08	868.9	875.81		876.51	0.003951	6.72	183.13	43.22
Tributary	896.5909	5-YEAR	2023.71	868.9	877.54		878.45	0.003926	7.64	264.92	51.13
Tributary	896.5909	10-YEAR	2665.27	868.9	8/8./	i I	879.73	0.003857	8.15	327.1	56.41
Tributary	896.5909	25-YEAR	3527.67	868.9	879.94		881.15	0.003906	8.8	401	62.11
Tributary	896.5909	50-YEAK	4005.5	868.9 269.0	880.55		881.84	0.003941	9.12	439.32	64.87
Iributary	896.5909	100-YEAK	4826.98	868.9	881.47	270.04	882.92	0.003799	9.65	501.13	69.24
Tributary	833.9909	2-YEAR	1231.08	868.58	875.63	873.64	876.24	0.003184	6.25	197.03	43.96
Tributary	833.9909	5-YEAR	2023.71	868.58	8/1.30	8/5.11	8/8.1/	0.003333	7.24	279.41	51.44
Tributary	833.9909	10-YEAK	2665.27	868.58	8/8.51	8/b.Ub	8/9.40	0.003357	/.ŏ	341.7	56.44
	833.9909	25-YEAK	3527.07	000.00	8/9./0	077.70	001.07	0.003487	ö.ə	414.80 452.02	01.0 64.90
	833.9909	50-YEAK	4005.5	808.58	880.35	8/1.12 070 E0	881.57	0.003455	8.85 0.44	452.92	64.82
Tributary	833.9909	100-YEAK	4820.90	00.000	ŏŏ1.∠o	879.20	882.00	0.003340	9.44	514.94	09.30
Tributary	807.9909		Ini Struct		270.50	274.40	270.00	5 000 40			10.00
Tributary	779.2909	2-YEAR	1240.87	868	8/3.52	8/1.42	873.99	0.00248	5.54	224.1	49.83
Tributary	779.2909	5-YEAR	2039.11	868	875.35	8/2.66	875.98	0.002394	6.35	320.99	55.94
Iributary	779.2909	10-YEAK	2684.22	808	876.55	8/3.51	877.28	0.002388	6.88 7.5	390.3	59.94
Tributary	779.2909	25-YEAK	3551.45	808	877.00	874.52	8/8./0	0.002434	7.5 7.02	4/3.52	64.41
	779.2909	50-YEAK	4032.3	808 808	878.53	875.02	879.48	0.002386	1.83	515.89	67.58 72.02
Iributary	(19.2909	100-YEAK	4860.09	000	8/9.50	8/5.84	880.04	0.002304	ö.34	588.30	/ 3.03
Tributary	686.7909	2-YEAR	1240.87	866.36	872.42	i I	873.47	0.006675	8.22	150.97	37.95
Tributary	686.7909	5-YEAK	2039.11	866.30	874.09	l l	8/5.42	0.006458	9.20	220.15	44.81
Tributary	686.7909	10-YEAR	2684.22	866.36	875.21	i I	8/6./1	0.006256	9.83	272.96	49.42
Tributary	686.7909	25-YEAR	3551.45	866.36	876.42	i I	878.16	0.006124	10.58	335.96	55
Tributary	686.7909	50-YEAR	4032.3	866.36	876.99	l l	878.87	0.005923	11.02	367.8	58.12
Tributary	686.7909	100-YEAR	4860.09	866.36	877.9	1	880.01	0.005646	11.69	422.97	63.15

Table C.13	
Wilson Creek Results for Future Conditions	5

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	466.027	2-YEAR	1240.87	864.6	871.05		872.04	0.006132	7.98	155.47	39.03
Tributary	466.027	5-YEAR	2039.11	864.6	872.92		874.07	0.005368	8.63	236.4	47.6
Tributary	466.027	10-YEAR	2684.22	864.6	874.17		875.41	0.004935	8.96	299.49	53.35
Tributary	466.027	25-YEAR	3551.45	864.6	875.53		876.92	0.00437	9.46	376.68	59.65
Tributary	466.027	50-YEAR	4032.3	864.6	876.19		877.67	0.00412	9.77	416.56	62.66
Tributary	466.027	100-YEAR	4860.09	864.6	877.21		878.85	0.00385	10.3	482.94	67.37
Tributary	125.6782	2-YEAR	1240.87	862.03	868.35	867.53	869.67	0.007725	9.23	134.51	30.78
Tributary	125.6782	5-YEAR	2039.11	862.03	870.12	869.22	871.84	0.007721	10.52	193.85	36.03
Tributary	125.6782	10-YEAR	2684.22	862.03	871.29	870.33	873.27	0.00772	11.28	237.88	39.61
Tributary	125.6782	25-YEAR	3551.45	862.03	872.62	871.62	874.9	0.00772	12.11	293.28	43.76
Tributary	125.6782	50-YEAR	4032.3	862.03	873.27	872.24	875.7	0.00773	12.51	322.36	45.79
Tributary	125.6782	100-YEAR	4860.09	862.03	874.22	873.27	876.94	0.007719	13.23	367.69	49.76

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	18045.96	2-YEAR	253	908.86	910.97	909.78	910.97	0.000445	0.72	383.46	347.11
Tributary	18045.96	5-YEAR	377	908.86	911.56	909.93	911.57	0.000246	0.75	619.3	467.88
Tributary	18045.96	10-YEAR	454	908.86	911.89	910.02	911.9	0.000203	0.78	781.49	530.27
Tributary	18045.96	25-YEAR	545	908.86	912.25	910.09	912.26	0.000169	0.8	984.32	606.65
Tributary	18045.96	50-YEAR	634	908.86	912.58	910.29	912.59	0.000143	0.81	1209.22	734.72
Tributary	18045.96	100-YEAR	738	908.86	912.96	910.38	912.97	0.000111	0.79	1509.56	846.32
Tributary	18015.11		Culvert								
Tributary	17984.25	2-YEAR	253	907.32	908.7	908.7	909.16	0.014508	5.75	56.21	69.62
Tributary	17984.25	5-YEAR	377	907.32	909	909	909.54	0.014159	6.39	79.24	80.57
Tributary	17984.25	10-YEAR	454	907.32	909.26	909.26	909.79	0.01225	6.44	102.46	116.2
Tributary	17984.25	25-YEAR	545	907.32	909.83		910.05	0.005358	4.59	209.16	273.41
Tributary	17984.25	50-YEAR	634	907.32	910.66		910.71	0.001225	2.36	475.76	352.04
Tributary	17984.25	100-YEAR	738	907.32	911.86		911.87	0.000224	1.31	974.75	467.59
Tributary	17655.92	2-YEAR	253	904.01	907.08	905.31	907.19	0.000943	2.75	91.97	53.32
Tributary	17655.92	5-YEAR	377	904.01	908.02	905.71	908.17	0.000858	3.14	120.17	167.39
Tributary	17655.92	10-YEAR	454	904.01	908.56	905.94	908.73	0.000816	3.33	136.4	206.31
Tributary	17655.92	25-YEAR	545	904.01	909.36	906.18	909.54	0.000682	3.39	160.61	259.96
Tributary	17655.92	50-YEAR	634	904.01	910.23	906.41	910.41	0.000561	3.4	186.53	348.22
Tributary	17655.92	100-YEAR	738	904.01	911.57	906.67	911.73	0.000397	3.26	226.68	576.37
Tributary	17611.55		Culvert								
Tributary	17567.17	2-YEAR	253	903.64	906.77	904.81	906.81	0.00038	1.59	159.61	163.74
Tributary	17567.17	5-YEAR	377	903.64	907.61	905.12	907.66	0.00034	1.8	209.72	291.29
Tributary	17567.17	10-YEAR	454	903.64	908.09	905.29	908.15	0.00032	1.9	238.79	361.89
Tributary	17567.17	25-YEAR	545	903.64	908.66	905.46	908.72	0.000295	2	272.96	447.61
Tributary	17567.17	50-YEAR	634	903.64	909.21	905.62	909.28	0.000273	2.07	306.04	553.66
Tributary	17567.17	100-YEAR	738	903.64	910.11	905.78	910.12	0.000048	0.83	1579.89	594.49
Tributary	17303.28	2-YEAR	253	902.95	906.63		906.68	0.000693	1.65	154.81	92.22
Tributary	17303.28	5-YEAR	377	902.95	907.51		907.54	0.000481	1.57	250.54	129.39
Tributary	17303.28	10-YEAR	454	902.95	908.01		908.04	0.000387	1.5	321.16	152.54
Tributary	17303.28	25-YEAR	545	902.95	908.6		908.63	0.000299	1.41	422.79	195.78
Tributary	17303.28	50-YEAR	634	902.95	909.17		909.19	0.000229	1.31	561.37	287.46
Tributary	17303.28	100-YEAR	738	902.95	910.08		910.09	0.000111	1.09	906.14	481.34
Tributary	17032.19	2-YEAR	253	902.88	906.31	904.33	906.44	0.000879	2.85	88.92	75.53
Tributary	17032.19	5-YEAR	377	902.88	907.14	904.76	907.32	0.000948	3.41	110.44	140.13
Tributary	17032.19	10-YEAR	454	902.88	907.62	905.01	907.83	0.000963	3.69	122.87	191.68
Tributary	17032.19	25-YEAR	545	902.88	908.19	905.28	908.43	0.000952	3.96	137.59	257.86
Tributary	17032.19	50-YEAR	634	902.88	908.74	905.54	909.01	0.000926	4.17	151.89	445.69
Tributary	17032.19	100-YEAR	738	902.88	909.97	905.83	910.03	0.00027	2.37	598.5	606.13
Tributary	16974.83		Culvert								
Tributary	16917.47	2-YEAR	253	902.69	905.75	903.62	905.79	0.000341	1.65	153.07	119.15
Tributary	16917.47	5-YEAR	3//	902.69	906.18	903.9	906.25	0.000491	2.16	174.26	127.04
Tributary	16917.47	10-YEAR	454	902.69	906.33	904.06	906.43	0.000615	2.49	182.13	129.96
Tributary	16917.47	25-YEAR	545	902.69	906.48	904.23	906.61	0.000777	2.88	189.44	136.64
Tributory	16017.47		034 720	902.69	906.62	904.4	906.78	0.000929	3.22	196.62	155.69
Tributers	16670.00		138	302.09	300.04	504.38	300.09	0.000373	1.70	420.78	054.07
Tributory	16670.00		253	901.1	905.76	901.77	905.76	0.000024	0.53	501.00	254.37
Tributory	16670.00		3/1	901.1	900.19	901.97	900.19	0.000037	0.71	001.0/ 611.0F	290.01
Tributary	16670.00	25-VEAD	404	901.1	300.35 006 F	302.08 002.24	900.30 006 F1	0.000048	0.02	642.04	300.30
Tributary	16670.00	50-YEAR	6240	001.1	000.0 006 65	002.21 002.21	006.5T	0.000002	1.95	672 17	325.36
Tributary	16670.08	100-YEAR	738	901.1	906.82	902.33	906.84	0.000073	1.07	709 75	352.18
Tributary	16487.01	2-YFAP	161	000 02	QUE 72	QUJ JJ	QUE 75	0.000160	1 2/	261 12	217 82
Tributary	16487.01	5-YEAR	401 685	000.93	905.72	902.22	905.75	0.000109	1.34	424 98	217.02
Tributary	16487.01	10-YEAR	817	900.33	906.26	902.39 902 R	906.33	0.000201	2.05	450.34	303.80
Tributary	16487 01	25-YFAR	1006	900.93	906.38	903.06	906 47	0.000451	2.00	472 55	335.04
Tributary	16487.01	50-YEAR	1143	900.93	906.51	903 25	906.62	0.000526	2.44	498.6	386 24
Tributary	16487.01	100-YFAR	1323	900.93	906.65	903 46	906 78	0.000628	2.00	530.34	397.07
Tributary	16375.16	2-YEAR	461	Q00.00	905 71	000.70	905 72	0.000104	1 26	601 75	276.83
Tributary	16375.16	5-YEAR	-101	900.91 900 91	906 11		906.12	0.000134	1.20	717 30	296 54
Tributary	16375.16	10-YFAR	817	900.91	906 25		906.28	0.000317	1.55	760.06	303 44
Tributary	16375.16	25-YFAR	1006	900.91	906.37		906 41	0.000424	2 12	795 8	309 59
Tributary	16375.16	50-YEAR	1143	900.91	906.5		906.55	0.00048	2.3	836.31	318.08
Tributary	16375.16	100-YEAR	1323	900.91	906.64		906.69	0.00056	2.55	881.03	328.1

Intulary (cfa) (cfb)	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
Thotury 16013.65 YEAR 661 692.89 966.65 9005.66 0.00042 1.1 643.83 278.83 Thotury 16013.85 IVFAR 817 698.89 966.15 9005.16 0.000263 1.7.6 782.3 307.72 Thotury 16013.85 IVFAR 1143 698.89 966.22 9005.30 0.000431 2.2.2 872.24 839.12 318.07 Thotury 16013.85 IVFAR 1143 698.89 966.35 9005.50 0.00024 1.2.5 102.4 828.42 640.4 33.90 905.56 0.00024 1.5 107.1 72.7.2 7.5.4 117.5				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Thoulany 16013.85 YEAR 685 699.89 906.02 906.05 0000209 1.54 742.4 300.72 Thoulany 16013.86 DY-FAR 1006 699.89 906.12 906.27 0.00037 2.11 805.68 312.07 77 77 170.11 170.11 170.11 120.12 899.89 906.15 906.27 0.00037 2.11 805.68 312.07 72 316.11 170	Tributary	16013.58	2-YEAR	461	899.89	905.65		905.66	0.000142	1.19	635.93	278.95
Tholuary 16013.56 10-YEAR 897.7 998.89 906.15 906.16 906.83 0.000263 17.7 772.3 307.77 Tholuary 16013.56 SO-YEAR 1143 898.89 906.32 906.83 0.000431 2.2.2 872.24 839.12 338.01 Tholuary 16563.42 SYEAR 461 898.87 906.64 900.35 906.65 0.000249 1.7.5 407.7 772.75 1771.17 772.47 1772.75 1771.17 772.47 1772.75 1771.17 772.47 1772.75 1771.14 1782.38 906.54 9000.61 0.000249 1.7.6 146.7 772.75 1771.14 772.75 1771.14 772.75 1771.14 772.75 1771.14 772.75 1771.14 772.75 1771.14 772.75 1771.14 772.55 1771.14 772.55 1771.14 1771.14 1771.14 1771.14 1771.14 1771.14 1771.14 1771.14 1771.14 1771.14 1772.55 1771.14 1771.14 1771.14	Tributary	16013.58	5-YEAR	685	899.89	906.02		906.05	0.000209	1.54	745.4	300.73
Tinburgy Tel 15.86 CYEAR 1006 899.89 906.22 906.627 0.00037 2.11 805.68 312.32 893.89 306.83 0.000521 2.52 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 893.81 2.32 1.14.84 898.82 996.61 900.55 900.52 90.00022 1.15.1 107.72 7.25.47 Tinburay 15663.42 25.74ER 114.46 898.87 906.51 900.0016 2.23 114.40 7.45.21 Tinburay 1517.12 27.48 7.56 990.57 0.000071 0.08 152.82 100.56 100.0014 1.81 2.21.61 118.40 162.81 100.56 100.0014 1.81 2.21.61 128.12 128.12 128.12 128.12 128.12 128.1	Tributary	16013.58	10-YEAR	817	899.89	906.15		906.18	0.000263	1.76	782.3	307.72
Introluty 1013-b8 10-Y-EAK 1132 899-89 906-33 906-88 0000431 2.2.6 872.4 333.61 Tribulary 15654-22 YEAR 466 686.7 905.66 900.289 905.66 000024 17.5 482.42 640.1 715.34 Tribulary 15654-21 YEAR 117 896.67 900.64 900.99 906.66 000024 17.5 472.75 727.53 772.753 772.753 772.753 772.753 772.753 772.753 772.753 772.753 776.0407 152.38 100.52 101.61.40 735.24 100.747 746.52 100.61.61 0.00037 0.88 105.56 900.256 900.557 0.000073 0.88 105.51 900.56 900.256 900.567 0.000073 0.88 100.777 174.40 128.173 174.462.57 170.11 114.10 128.173 170.11 114.10 128.173 170.11 114.10 128.173 170.11 114.10 128.173 172.17	Tributary	16013.58	25-YEAR	1006	899.89	906.22		906.27	0.00037	2.11	805.68	312.07
Induary 1501330 1001330 <t< td=""><td>Tributary</td><td>16013.58</td><td>50-YEAR</td><td>1143</td><td>899.89</td><td>906.33</td><td></td><td>906.38</td><td>0.000431</td><td>2.32</td><td>839.12</td><td>318.11</td></t<>	Tributary	16013.58	50-YEAR	1143	899.89	906.33		906.38	0.000431	2.32	839.12	318.11
Induary 15064.32 2-FEAR 6401.4 900.58 900.50 0.000151 1.25 0.26.42 901.18 11.26 0.26.42 901.18 11.26 0.26.42 0.00151 1.25 0.26.42 0.00151 1.26 0.26.42 0.00151 1.26 0.002249 1.75 107.72 72.75.47 Tinburgy 15663.42 0.074.RR 1143 886.87 906.15 904.86 900.619 2.93 1144.06 732.51 Tinburgy 1537.712 2-FEAR 768.83 905.56 900.27 905.57 0.000076 1.07 107.83 Tinburgy 1537.72 2-FEAR 768 898.83 905.61 900.42 900.61 0.000176 1.42 206.16 123.17 107.44 130.50 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05.05 113.05	Tributary	16013.58	100-YEAR	1323	899.89	906.43	000.00	906.5	0.000523	2.0	872.54	323.69
Induary 15683 2 10-LAR 6030 6030 600300 60030 600302 60032 600320 600332 614 40140 733 743.44 Thobiany 1514.633 FVEAR 763 1303.69 6003.2 600322 600322 6143.43	Tributary	15563.42	Z-YEAR	401	898.87	905.58	902.89	905.6	0.000151	1.20	828.42	640.14 715.24
Thomany TSSB3 21 EX-YEAR T1006 S98.67 908.67 908.45 908.67 908.45 908.16 0.000382 2.12 1006.17 727.53 Tibulary 15583 22 100-YEAR 1332 898.67 906.21 904.56 900.52 0.000071 0.59 152.89 1181.40 746.33 Tibulary 15533 22 100-YEAR 788.63 906.51 903.26 0.000071 0.07 194.08 122.176 Tibulary 15317.12 10-YEAR 1086 896.63 906.11 900.63 0.000116 1.42 200.16 123.17 120-YEAR 1030.59 1130.59 1130.59 1130.59 1130.59 1130.59 1130.59 1130.59 1130.59 1130.59 1130.59 1141.49 1040.38 906.61 900.24 900.27 001.81 90.22 1003632 5.14 190.13 933.02 Tibulary 1514.68.31 174.76 877.44 103.09 90.55 100.22 0.000282 5.54 46.66.2	Tributary	15563.42		817	090.07 808.87	905.94	903.59	905.95	0.000202	1.55	1021.09	715.34
Thouray 15583 42 50 VEAR 1143 898.87 906.15 90.0419 0.000419 2.3 1144.06 735.2 Tribulary 15537.42 50 VEAR 1333 898.87 906.21 904.84 906.25 0.000077 0.89 1528.88 105.37 Tribulary 15317.12 2 VEAR 531 898.33 906.51 902.56 90.00014 1.10 144.38 1287.83 Tribulary 15317.12 2 VEAR 1287.88 898.33 906.11 904.64 906.17 0.000133 1.52 2160.3 1305.09 Tribulary 15317.12 10 VEAR 1200 898.33 906.16 904.45 906.17 0.000133 1.52 2265.1 1318.37 Tribulary 15146.83 2 VEAR 763 897.66 903.76 903.26 90.0328 90.00724 4.52 147.57 473.44 Tribulary 15146.83 10 VEAR 898.76 903.36 902.24 90.00728 50.002.42 4	Tributary	15563.42	25-YEAR	1006	898.87	906.07	904.45	906.1	0.000243	2.12	1075.72	727.53
Thobary 15583.42 100-YEAR 132.3 898.83 906.21 904.8 900.28 0000973 0.85 1181.49 746.33 Tinburay 15317.12 5YEAR 698.63 905.56 902.56 905.82 0.000077 0.85 10.7 194.03 1257.56 Tinburay 15317.12 10-YEAR 1968 906.61 0.000161 1.42 2080.76 1225.51 1318.07 Tinburay 15317.12 10-YEAR 1308 996.61 904.45 906.11 0.000191 1.52 225.51 1318.07 Tinburay 1546.83 2YEAR 537.6 903.76 903.71 903.82 0.00328 4.52 147.57 473.44 Tinburay 1546.83 2YEAR 1303 897.66 903.76 903.71 903.82 0.00328 5.14 191.13 593.26 Tinburay 1546.83 10-YEAR 130 897.66 903.76 903.71 904.41 0.004488 6.64 244.0 <td< td=""><td>Tributary</td><td>15563.42</td><td>50-YEAR</td><td>1143</td><td>898.87</td><td>906.15</td><td>904.58</td><td>906.19</td><td>0.000418</td><td>2.3</td><td>1144.06</td><td>735.21</td></td<>	Tributary	15563.42	50-YEAR	1143	898.87	906.15	904.58	906.19	0.000418	2.3	1144.06	735.21
Thouany 15317;12 22 YEAR 750 988.93 9905.56 9002.97 9905.67 0.000007 1.07 1940.38 1257.35 Thobuany 15317;12 10 YEAR 1898.93 9906.01 900.85 9906.01 0.000163 1.42 2080.76 1287.55 Thobuany 15317;12 125 YEAR 1033 898.93 9906.1 900.64 9006.17 0.000163 1.42 2080.76 1285.5 Thobuany 15317;12 150 YEAR 1330 898.93 906.1 9004.64 906.17 0.000199 1.59 2255.91 1318.97 Timbuany 15146.83 2YEAR 1687.66 903.26 900.36 900.37 0.00328 5.45 203.21 744.18 Thobuany 15146.83 10 YEAR 1897.36 903.76 903.24 904.47 0.004848 6.54 241.3 769.44 6.64 201.37 744.18 Thobuany 15031.62 2YEAR 1083 903.78 900.22 90	Tributary	15563.42	100-YEAR	1323	898.87	906.21	904.8	906.26	0.000519	2.59	1181.49	746.83
Tholuary 15317:12 10-YEAR 898.83 905.91 900.36 900.85 900.000114 1.07 1940.38 1221.76 Thobuary 15317.12 12-YEAR 1283.76 906.19 906.30 0000141 1.18 2061.96 1221.76 Thobuary 15317.12 12-YEAR 1230 898.93 906.16 904.64 906.17 0.000183 1.52 2255.91 1318.97 Thobuary 15317.21 10-YEAR 1330 897.96 902.45 903.32 0.00328 4.52 147.57 473.44 Thobuary 15146.83 0-YEAR 1203 897.96 903.26 903.27 903.32 0.00328 4.52 147.57 473.44 Thobuary 15146.83 0-YEAR 1203 897.96 903.26 903.27 903.39 0.00421 6.64 224.13 789.44 Thobuary 15031.62 2-YEAR 1330 897.66 903.27 903.21 0.01251 6.64 241.33 133.43	Tributary	15317.12	2-YEAR	531	898.93	905.56	902.97	905.57	0.000073	0.89	1528.98	1053.67
Thobary 15317.12 15V-RAR 896 898.83 906.01 903.85 906.01 0.000163 1.12 2061.96 1281.57 Thobary 15317.12 15V-RAR 1200 898.83 906.1 904.46 906.11 0.000183 1.52 2255.91 1318.97 Tribulary 1574.68 2VEAR 787 897.96 902.47 902.99 0.00328 4.52 147.57 477.34 Thobary 1574.68.35 Culvert - - 902.99 0.00328 6.56 200.34 668.02 30.21 747.48 Thobary 1574.68.35 10-VEAR 898.76 903.36 902.24 0.004491 6.06.49 241.3 789.44 668.230.21 744.18 744.18 754.85 50-VEAR 1201.897.86 903.77 903.24 904.44 0.004491 6.06.49 241.3 789.44 180.13 154.85 50-VEAR 760 983.78 902.26 0.01190 6.75 133.06 144.86 50.44.80 <td>Tributary</td> <td>15317.12</td> <td>5-YEAR</td> <td>760</td> <td>898.93</td> <td>905.91</td> <td>903.56</td> <td>905.92</td> <td>0.000097</td> <td>1.07</td> <td>1940.38</td> <td>1257.35</td>	Tributary	15317.12	5-YEAR	760	898.93	905.91	903.56	905.92	0.000097	1.07	1940.38	1257.35
Thobary 15317.12 25-YEAR 1083 898.93 906.02 904.19 906.03 0.000183 1.42 2080.76 1285.5 Thobary 15317.12 100-YEAR 1330 898.93 906.16 904.44 906.17 0.000183 1.52 2160.3 1318.97 Thobary 15146.83 Culwert 6 -	Tributary	15317.12	10-YEAR	896	898.93	906.01	903.85	906.01	0.000114	1.18	2061.96	1281.76
Tholaray 15317.12 50-YEAR 1220 888.83 906.11 906.46 906.11 0.000189 1.52 2218.3 1388.97 Tinbuary 15246.62 Culvert - <	Tributary	15317.12	25-YEAR	1083	898.93	906.02	904.19	906.03	0.000163	1.42	2080.76	1285.5
Thobary 15317.12 100-YEAR 1330 398.93 906.16 906.47 0.000199 1.59 2255.91 1318.87 Tributary 15146.83 2VEAR 531 497.96 902.7 901.61 902.99 0.00322 4.52 147.57 473.44 Tributary 15146.83 10-YEAR 896 897.96 903.36 902.24 904.07 0.00498 6.02 20.01481 6.08 23.02 17.44.18 Tributary 15146.83 10-YEAR 1000 897.96 903.77 903.24 904.4 0.00498 6.54 241.3 789.4 Tributary 1503.16.2 PVEAR 896.18 901.47 901.38 902.26 902.06 902.73 0.01251 13.09 114.86 Tributary 1503.16.2 PVEAR 898.18 902.26 902.26 901.27 0.01205 7.1 221.84 225.61 1114.26 Tributary 1503.16.2 10-YEAR 898.18 902.261 902.21 0.011805	Tributary	15317.12	50-YEAR	1220	898.93	906.1	904.45	906.11	0.000183	1.52	2180.3	1305.09
Thobary 15246.62 Culvert 902.9 902.99 0.00328 4.52 147.57 473.44 Tribulary 15146.83 5VEAR 760 897.96 903.16 902.49 900.52 0.00328 5.14 190.13 593.02 Tribulary 15146.83 15VEAR 806 897.96 903.35 902.94 904.07 0.004481 6.08 230.21 744.18 Tribulary 15146.83 15VEAR 1308 897.96 903.78 903.24 904.40 0.004482 6.54 244.08 817.45 810.40 817.44 818.45 55.48 710.0137 1503.16.2 5.428 760 893.18 902.26 902.25 10.012291 7.07 193.34 206.99 10.011926 6.84 160.31 151.24 Tribulary 1503.16.2 50.YEAR 1320 898.18 902.251 903.21 0.011291 7.07 193.34 206.99 Tribulary 1503.16.2 160.YEAR 896.79 901.7 <td>Tributary</td> <td>15317.12</td> <td>100-YEAR</td> <td>1330</td> <td>898.93</td> <td>906.16</td> <td>904.64</td> <td>906.17</td> <td>0.000199</td> <td>1.59</td> <td>2255.91</td> <td>1318.97</td>	Tributary	15317.12	100-YEAR	1330	898.93	906.16	904.64	906.17	0.000199	1.59	2255.91	1318.97
Tholuary 15146.83 2YEAR 531 897.96 902.7 901.81 902.99 0.00382 4.52 147.57 473.44 Tholuary 15146.83 12YEAR 806 897.96 903.36 902.47 900.377 0.00392 5.55 208.34 646.92 Tholuary 15146.83 12YEAR 1200 897.96 903.75 900.24 904.47 0.004481 6.08 230.21 744.43 Tholuary 15146.83 12YEAR 1330 897.96 903.79 903.24 904.4 0.005462 6.95 248.06 817.45 Tholuary 1503.162 12YEAR 808.18 902.26 902.26 902.29 0.01192.6 6.84 160.31 151.24 Tholuary 1503.162 12YEAR 898.18 902.261 902.21 0.01291 7.07 193.34 206.99 Tholuary 1503.162 10YEAR 896.79 900.78 899.56 900.89 0.011806 7.13 224.422 <	Tributary	15246.62		Culvert								
Inbutary 15146.83 0.YEAR 600 897.96 903.36 902.37 0.003932 5.14 190.13 654.03 Tnibutary 15146.83 10-YEAR 889.96 903.36 902.67 903.37 0.003932 5.55 208.34 646.92 Tnibutary 15146.83 00-YEAR 1300 897.96 903.77 903.44 904.47 0.004481 6.66 230.21 744.18 Tnibutary 15031.62 SYEAR 631 897.96 903.77 903.24 904.47 0.005482 6.95 248.08 817.45 Tnibutary 15031.62 SYEAR 60 898.18 902.26 902.26 903.21 0.011296 6.84 160.31 151.24 Tnibutary 15031.62 SYEAR 163 898.18 902.26 902.26 903.21 0.012005 7.1 221.44 225.61 Tnibutary 14701.37 SYEAR 760 898.79 901.27 900.216 900.216 900.216 <	Tributary	15146.83	2-YEAR	531	897.96	902.7	901.81	902.99	0.00328	4.52	147.57	473.44
Inbulary 19146.83 10 FEAR 986 997.96 903.36 902.07 903.77 000.0399 5.55 208.47 646.83 Tributary 15146.83 50 FEAR 1220 897.96 903.7 903.11 904.26 0.004989 6.54 241.3 789.44 Tributary 15031.62 2YEAR 531 898.18 901.27 903.24 904.41 0.005462 6.54 241.3 789.44 Tributary 15031.62 DYEAR 700 898.18 902.26 902.26 0.011220 7.07 193.34 206.59 Tributary 15031.62 DYEAR 1803 898.18 902.26 902.251 903.37 0.011220 7.07 193.34 206.59 Tributary 15031.62 100-YEAR 1300 898.79 901.78 899.56 900.49 0.011805 7.13 244.22 254.85 Tributary 14701.37 DYEAR 531 896.79 901.47 900.176 3.01	Tributary	15146.83	5-YEAR	760	897.96	903.16	902.45	903.52	0.003632	5.14	190.13	593.02
Inbutary 19148.33 297.58 903.39 902.24 904.07 0005462 6.98 241.3 789.44 Tributary 15146.83 100-YEAR 1320 897.96 903.71 904.26 0.004491 6.54 817.3 897.96 903.71 904.4 0.005462 6.95 248.08 817.6 55.48 Tributary 15031.62 SYEAR 760 898.18 902.26 902.27 0.01192 6.64 160.31 151.24 Tributary 15031.62 SYEAR 1808 898.18 902.26 902.21 0.012005 7.1 221.44 226.69 Tributary 15031.62 100-YEAR 130 898.18 902.81 903.31 0.011805 7.13 244.22 224.85 71.3 244.22 224.85 71.3 244.22 224.85 71.3 244.22 224.85 71.3 244.22 224.85 71.3 244.22 224.85 71.3 244.22 224.85 71.3 244.22 225.45 <td>Tributary</td> <td>15146.83</td> <td>10-YEAR</td> <td>896</td> <td>897.96</td> <td>903.36</td> <td>902.67</td> <td>903.77</td> <td>0.00399</td> <td>5.55</td> <td>208.34</td> <td>646.92</td>	Tributary	15146.83	10-YEAR	896	897.96	903.36	902.67	903.77	0.00399	5.55	208.34	646.92
Induatay	Tributary	15146.83	25-YEAR	1083	897.96	903.59	902.94	904.07	0.004481	6.08	230.21	744.18
Induary Ionabia Boord	Tributary	15146.83		1220	897.90	903.7	903.11	904.20	0.004989	6.04 6.05	241.3	789.44 817.45
Induatry Iosa Ia Iosa III Iosa III Iosa III Iosa IIII Iosa IIII Iosa IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Tributary	15031.62	2-YEAR	531	898.18	903.70	903.24	904.4	0.003402	6.88	240.00	55.48
Tributary 15031.62 10-YEAR 896 998.18 902.28 902.95 0.011926 6.84 160.31 151.24 Tributary 15031.62 25-YEAR 1063 898.18 902.26 902.95 0.012291 7.07 193.34 206.99 Tributary 15031.62 100-YEAR 1330 898.18 902.61 903.49 0.011805 7.13 224.42 254.85 Tributary 14701.37 5-YEAR 760 896.79 901.71 899.89 901.77 0.0178 3.41 355.76 237.75 247.46 256.64 110.17 136.8 466.55 255.64 Tributary 14701.37 15-YEAR 1330 896.79 901.77 900.71 90.0163 3.93 567.24 274.69 Tributary 14360.15 5-YEAR 1330 896.68 990.37 899.62 900.52 0.00276 3.17 257.54 227.9 Tributary 14360.15 10-YEAR 886.68 900.37	Tributary	15031.62	5-YEAR	760	898.18	902.06	902.06	902.73	0.0120119	6.75	133.09	114.86
Tributary 15031.62 25-YEAR 1083 898.18 902.51 903.21 0.012291 7.07 193.34 206.99 Tributary 15031.62 50-YEAR 1220 898.18 902.68 903.37 0.011205 7.1 221.84 235.61 Tributary 14701.37 5-YEAR 701 898.18 902.281 902.81 902.81 902.81 902.81 902.81 903.91 0.011805 7.13 244.22 254.85 Tributary 14701.37 5-YEAR 760 896.79 901.32 899.8 901.47 0.00176 3.41 353.76 225.76 Tributary 14701.37 50-YEAR 1220 896.79 901.77 900.6 901.93 0.001762 3.92 514 265.64 Tributary 14360.15 5-YEAR 731 896.68 900.37 900.52 0.002776 3.17 257.54 227.469 Tributary 14360.15 50-YEAR 120 896.68 900.37 <	Tributary	15031.62	10-YEAR	896	898.18	902.28	902.28	902.95	0.011926	6.84	160.31	151.24
Tributary 15031.62 50-YEAR 1220 898.18 902.68 903.37 0.012005 7.1 221.84 235.61 Tributary 14701.37 2-YEAR Tol 896.79 900.78 899.65 900.89 0.00156 2.91 274.16 208.61 Tributary 14701.37 5-YEAR 760 896.79 901.13 899.8 901.27 0.00176 3.41 353.76 237.79 Tributary 14701.37 10-YEAR 896.79 901.77 900.6 901.93 0.001762 3.92 551.4 263.22 Tributary 14701.37 50-YEAR 120 896.79 901.77 900.6 901.93 0.001762 3.92 514 263.22 Tributary 14360.15 2-YEAR 760 896.68 890.37 890.2 0.005071 3.31 160.64 147.03 Tributary 14360.15 10-YEAR 896.68 900.47 899.62 0.00571 3.21 457.74 227.9	Tributary	15031.62	25-YEAR	1083	898.18	902.51	902.51	903.21	0.012291	7.07	193.34	206.99
Tributary 15031.62 100-YEAR 1330 898.18 902.81 903.49 0.011805 7.13 244.22 254.85 Tributary 14701.37 2-YEAR 531 896.79 900.78 899.56 900.89 0.001564 2.91 274.16 208.67 Tributary 14701.37 5-YEAR 896 896.79 901.32 899.8 901.47 0.001789 3.81 465.95 255.14 263.22 Tributary 14701.37 50-YEAR 1220 896.79 901.77 900.6 901.33 0.001763 3.83 465.95 255.14 263.22 714.62 274.68 Tributary 14360.15 5-YEAR 531 896.68 890.37 899.62 90.052 0.00276 3.17 257.54 227.9 Tributary 14360.15 10-YEAR 896 896.68 900.37 899.62 90.027 3.16 315.45 266.87 Tributary 14360.15 50-YEAR 1200 896.68 <	Tributary	15031.62	50-YEAR	1220	898.18	902.68	902.68	903.37	0.012005	7.1	221.84	235.61
Tributary 14701.37 2-YEAR 531 896.79 900.78 899.56 900.89 0.001564 2.91 274.16 208.61 Tributary 14701.37 10-YEAR 760 896.79 901.13 899.8 901.47 0.00176 3.41 333.76 237.79 Tributary 14701.37 10-YEAR 896.79 901.52 99.8 901.47 0.00178 3.8 465.95 255.64 Tributary 14701.37 100-YEAR 1330 896.79 901.77 900.71 901.71 900.1762 3.92 514 263.22 Tributary 14360.15 2-YEAR 531 896.68 890.33 900 0.005071 3.31 160.64 147.03 Tributary 14360.15 2-YEAR 760 896.68 900.37 900.79 0.002273 3.16 315.45 266.87 Tributary 14360.15 2-YEAR 120 896.68 900.39 901.33 00.01677 3.21 459.7 390.	Tributary	15031.62	100-YEAR	1330	898.18	902.81	902.81	903.49	0.011805	7.13	244.22	254.85
Tributary 14701.37 5-YEAR 760 896.79 901.32 899.8 901.47 0.00178 3.41 353.76 237.79 Tributary 14701.37 10-YEAR 896 896.79 901.32 899.8 901.47 0.001807 3.6 400.54 245.39 Tributary 14701.37 50-YEAR 1202 896.79 901.77 900.47 901.47 0.001762 3.92 514 263.22 Tributary 14701.37 100-YEAR 1330 896.79 901.77 900.71 902.13 0.001635 3.93 567.24 227.89 Tributary 14360.15 5-YEAR 760 896.68 900.37 899.62 900.52 0.00273 3.16 315.45 266.87 Tributary 14360.15 10-YEAR 1208 896.68 901.29 900.41 901.35 0.001677 3.21 459.7 390.01 Tributary 14360.15 10-YEAR 120 896.68 901.29 900.49 901.35 0.001677 3.21 459.7 390.01 Tributary	Tributary	14701.37	2-YEAR	531	896.79	900.78	899.56	900.89	0.001564	2.91	274.16	208.61
Tributary 14701.37 10-YEAR 896 896.79 901.32 899.8 901.47 0.001807 3.6 400.54 245.39 Tributary 14701.37 25-YEAR 1083 896.79 901.59 900.47 901.74 0.001789 3.8 465.95 255.64 Tributary 14701.37 100-YEAR 1330 896.79 901.77 900.6 901.73 0.001762 3.92 567.24 274.69 Tributary 14360.15 2-YEAR 531 896.68 900.37 899.62 900.52 0.002273 3.16 315.45 266.87 Tributary 14360.15 10-YEAR 896 896.68 900.37 899.39 901.677 3.12 3.75.4 227.9 Tributary 14360.15 10-YEAR 1083 896.68 901.2 900.33 901.677 3.16 315.45 266.87 Tributary 14360.15 10-YEAR 1330 896.68 901.2 900.13 901.63 0.00183 1.31 405.79 364.61 Tributary 14037.12 2-YEAR	Tributary	14701.37	5-YEAR	760	896.79	901.13	899.8	901.27	0.00178	3.41	353.76	237.79
Tributary 14701.37 25-YEAR 1083 896.79 901.74 901.74 9.01762 3.8 465.95 255.64 Tributary 14701.37 50-YEAR 1220 896.79 901.77 900.6 901.93 0.001762 3.92 514 263.22 Tributary 14360.15 2-YEAR 531 896.68 899.83 899.3 900 0.005071 3.31 160.64 147.03 Tributary 14360.15 5-YEAR 760 896.68 900.32 0.002776 3.17 257.54 227.9 Tributary 14360.15 5-YEAR 1083 896.68 900.48 899.77 900.79 0.002273 3.16 315.45 266.87 Tributary 14360.15 50-YEAR 1208 896.68 901.2 900.04 901.35 0.001677 3.21 459.7 390.01 Tributary 14360.15 100-YEAR 1330 896.64 900.28 897.76 0.00183 1.31 405.79 266.47 Tributary 14037.12 2-YEAR 527 895.64	Tributary	14701.37	10-YEAR	896	896.79	901.32	899.8	901.47	0.001807	3.6	400.54	245.39
Tributary 14701.37 50-YEAR 1220 896.79 901.77 900.6 901.93 0.001635 3.92 514 263.22 Tributary 14701.37 100-YEAR 1330 896.79 901.97 900.71 902.13 0.001635 3.93 567.24 274.69 Tributary 14360.15 5-YEAR 751 896.68 899.83 899.3 900 0.005071 3.11 160.64 147.03 Tributary 14360.15 5-YEAR 760 896.68 900.46 899.77 900.79 0.002273 3.16 315.45 266.87 Tributary 14360.15 50-YEAR 1220 896.68 901.2 900.04 901.35 0.001677 3.21 459.7 390.01 Tributary 14360.15 100-YEAR 1330 896.68 901.79 900.30 0.00183 1.31 405.79 368.45 Tributary 14037.12 2-YEAR 697 895.64 900.6 897.25 900.31 0.00183 1.31 405.79 368.45 Tributary 14037.12	Tributary	14701.37	25-YEAR	1083	896.79	901.59	900.47	901.74	0.001789	3.8	465.95	255.64
Inbutary 14701.3 100-YEAR 1330 895.79 901.97 900.71 902.13 0.001635 3.93 567.24 224.469 Tributary 14360.15 2-YEAR 531 896.68 900.37 899.3 900 0.005071 3.31 160.64 147.03 Tributary 14360.15 5-YEAR 760 896.68 900.37 899.39 901.12 0.00277 3.16 315.45 266.87 Tributary 14360.15 50-YEAR 1083 896.68 901.2 900.49 901.35 0.001677 3.21 459.7 390.01 Tributary 14360.15 10-YEAR 1330 896.68 901.2 900.31 0.001677 3.21 459.7 390.01 Tributary 14037.12 5-YEAR 627 895.64 890.76 899.76 0.00183 1.31 405.79 368.45 Tributary 14037.12 10-YEAR 785 895.64 900.53 897.35 900.57 0.000203 1.59 502.51 471.18 Tributary 14037.12 10-YEAR	Tributary	14701.37	50-YEAR	1220	896.79	901.77	900.6	901.93	0.001762	3.92	514	263.22
Inbutary 14360.15 2-YEAR 531 896.68 899.33 899.32 900 0.005071 3.31 100.64 147.03 Tributary 14360.15 5-YEAR 760 896.68 900.37 899.62 900.52 0.002776 3.17 257.54 227.9 Tributary 14360.15 10-YEAR 896.68 900.64 899.73 900.79 0.002273 3.16 315.45 226.754 Tributary 14360.15 50-YEAR 1008 896.68 901.2 900.14 0.0183 3.19 395.47 334.16 Tributary 14360.15 100-YEAR 1330 896.68 901.2 900.13 0.0013 0.0013 3.05 576.02 621.11 Tributary 14037.12 2-YEAR 697 895.64 900.26 897.25 900.3 0.00183 1.31 405.79 368.45 Tributary 14037.12 10-YEAR 785 895.64 900.53 897.52 900.57 0.000202 1.67 543.19 511.01 Tributary 14037.12 10-YEAR	Tributary	14701.37	100-YEAR	1330	896.79	901.97	900.71	902.13	0.001635	3.93	567.24	274.69
HIBURIAY 14360.15 51 FEAR 760 586.86 900.37 990.62 900.32 0.002776 3.17 257.34 227.34 Tributary 14360.15 10-YEAR 896 896.68 900.97 899.93 901.12 0.002273 3.16 315.45 266.87 Tributary 14360.15 50-YEAR 1220 896.68 901.2 900.44 991.35 0.00177 3.21 459.7 390.01 Tributary 14360.15 10-YEAR 1330 896.68 901.5 900.13 0.0013 3.05 576.02 621.11 Tributary 14037.12 2-YEAR 697 895.64 900.26 897.25 900.30 0.000183 1.31 405.79 368.45 Tributary 14037.12 10-YEAR 785 895.64 900.26 897.25 900.30 0.00019 1.5 469.87 443.18 Tributary 14037.12 10-YEAR 785 895.64 901.9 897.59 901.45 0.000194 1.75 608.45 618.07 Tributary 13809.03	Tributary	14360.15	2-YEAR	531	896.68	899.83	899.3	900	0.005071	3.31	160.64	147.03
Inibutary 14360.13 10-TEAR 036 030.04 900.79 900.79 00.02275 3.16 315.45 260.87 Tributary 14360.15 25-YEAR 1083 896.68 900.97 899.93 901.12 0.00183 3.19 395.47 330.01 Tributary 14360.15 50-YEAR 1220 896.68 901.2 900.04 901.35 0.001677 3.21 459.7 330.01 Tributary 14037.12 2-YEAR 527 895.64 899.74 897.06 899.76 0.000183 1.31 405.79 368.45 Tributary 14037.12 5-YEAR 697 895.64 900.26 897.25 900.31 0.000203 1.59 502.51 471.18 Tributary 14037.12 5-YEAR 890 895.64 900.26 897.52 901.14 0.000202 1.67 543.19 511.01 Tributary 14037.12 10-YEAR 1048 895.64 901.4 897.59 901.45 0.000194 1.75 608.45 618.02 Tributary 13809.03	Tributary	14300.15		760	890.08	900.37	899.62	900.52	0.002770	3.17	207.04	227.9
Induity	Tributary	14360.15	25-YEAR	1083	896.68	900.04	800 03	900.79	0.002273	3.10	395.47	200.07
Tributary 14360.15 100-YEAR 1330 896.68 901.5 900.13 901.63 0.0013 3.05 576.02 621.11 Tributary 14037.12 2-YEAR 527 895.64 899.74 897.06 899.76 0.00183 1.31 405.79 368.45 Tributary 14037.12 5-YEAR 697 895.64 900.26 897.25 900.3 0.000199 1.5 469.87 443.18 Tributary 14037.12 10-YEAR 785 895.64 900.53 897.35 900.57 0.000202 1.67 543.19 511.01 Tributary 14037.12 50-YEAR 890 895.64 901.68 897.44 900.91 0.000202 1.67 543.19 511.01 Tributary 14037.12 100-YEAR 1048 895.64 901.4 897.59 901.45 0.000194 1.75 608.45 618.02 Tributary 13809.03 2-YEAR 527 894.62 899.07 896.88 899.12 0.000407 1.87 281.59 555.34 Tributary	Tributary	14360 15	50-YEAR	1220	896.68	901.2	900.04	901.35	0.001677	3.13	459 7	390.01
Tributary 14037.12 2-YEAR 527 895.64 899.74 897.06 899.76 0.000183 1.31 405.79 368.45 Tributary 14037.12 5-YEAR 697 895.64 900.26 897.25 900.3 0.000199 1.5 469.87 443.18 Tributary 14037.12 10-YEAR 785 895.64 900.26 897.35 900.57 0.000203 1.59 502.51 471.18 Tributary 14037.12 25-YEAR 890 895.64 900.86 897.44 900.91 0.000202 1.67 543.19 511.01 Tributary 14037.12 26-YEAR 961 895.64 901.9 897.52 901.14 0.00022 1.67 543.19 511.01 Tributary 13809.03 2-YEAR 961 895.64 901.48 897.55 901.45 0.000407 1.87 281.59 555.34 Tributary 13809.03 10-YEAR 785 894.62 899.42 897.18 <td< td=""><td>Tributary</td><td>14360.15</td><td>100-YEAR</td><td>1330</td><td>896.68</td><td>901.5</td><td>900.13</td><td>901.63</td><td>0.0013</td><td>3.05</td><td>576.02</td><td>621.11</td></td<>	Tributary	14360.15	100-YEAR	1330	896.68	901.5	900.13	901.63	0.0013	3.05	576.02	621.11
Tributary 14037.12 5-YEAR 697 895.64 900.26 897.25 900.3 0.000199 1.5 469.87 443.18 Tributary 14037.12 10-YEAR 785 895.64 900.53 897.35 900.57 0.000203 1.59 502.51 471.18 Tributary 14037.12 25-YEAR 890 895.64 900.86 897.44 900.91 0.000202 1.67 543.19 511.01 Tributary 14037.12 10-YEAR 961 895.64 901.49 887.59 901.45 0.00194 1.75 608.45 618.02 Tributary 13925.12 Culvert 0.00407 1.87 281.59 555.34 Tributary 13809.03 2-YEAR 527 894.62 899.12 899.39 0.000563 2.31 302.09 610.25 Tributary 13809.03 10-YEAR 785 894.62 899.42 897.38 899.73 0.00688 2.7 329.43 621.78 Tributary 13809.03 10-YE	Tributary	14037.12	2-YEAR	527	895.64	899.74	897.06	899.76	0.000183	1.31	405.79	368.45
Tributary14037.1210-YEAR785895.64900.53897.35900.570.0002031.59502.51471.18Tributary14037.1225-YEAR890895.64900.86897.44900.910.0002021.67543.19511.01Tributary14037.1250-YEAR961895.64901.09897.52901.140.00021.71571.42568.77Tributary14037.12100-YEAR1048895.64901.4897.59901.450.0001941.75608.45618.02Tributary13809.032-YEAR527894.62899.07896.88899.120.0004071.87281.59555.34Tributary13809.035-YEAR697894.62899.31897.09899.390.0005632.31302.09610.25Tributary13809.0310-YEAR785894.62899.42897.18899.520.0006412.51312.13614.49Tributary13809.0350-YEAR961894.62899.62897.38899.730.0006862.8343.71627.79Tributary13809.03100-YEAR1048894.62900.05897.48900.180.0006672.86366.75637.5Tributary13809.03100-YEAR1048894.62900.05897.48990.80.0006552.45396.09440.64Tributary137322-YEAR697894.32899.25899.340.000756	Tributary	14037.12	5-YEAR	697	895.64	900.26	897.25	900.3	0.000199	1.5	469.87	443.18
Tributary 14037.12 25-YEAR 890 895.64 900.86 897.44 900.91 0.000202 1.67 543.19 511.01 Tributary 14037.12 50-YEAR 961 895.64 901.09 897.52 901.14 0.00020 1.71 571.42 568.77 Tributary 14037.12 100-YEAR 1048 895.64 901.4 897.59 901.45 0.000194 1.75 608.45 618.02 Tributary 13809.03 2-YEAR 527 894.62 899.07 896.88 899.12 0.000407 1.87 281.59 555.34 Tributary 13809.03 5-YEAR 697 894.62 899.41 897.09 899.39 0.000653 2.31 302.09 610.25 Tributary 13809.03 10-YEAR 785 894.62 899.42 897.38 899.52 0.000641 2.51 312.13 614.49 Tributary 13809.03 100-YEAR 961 894.62 900.18 0.000666	Tributary	14037.12	10-YEAR	785	895.64	900.53	897.35	900.57	0.000203	1.59	502.51	471.18
Tributary 14037.12 50-YEAR 961 895.64 901.09 897.52 901.14 0.0002 1.71 571.42 568.77 Tributary 14037.12 100-YEAR 1048 895.64 901.4 897.59 901.45 0.000194 1.75 608.45 618.02 Tributary 13809.03 2-YEAR 527 894.62 899.07 896.88 899.12 0.000407 1.87 281.59 555.34 Tributary 13809.03 5-YEAR 697 894.62 899.31 897.09 899.39 0.000563 2.31 302.09 610.25 Tributary 13809.03 10-YEAR 785 894.62 899.42 897.18 899.52 0.000641 2.51 312.13 614.49 Tributary 13809.03 10-YEAR 961 894.62 899.73 899.73 0.000688 2.77 329.43 621.78 Tributary 13809.03 100-YEAR 961 894.62 900.05 897.38 899.91	Tributary	14037.12	25-YEAR	890	895.64	900.86	897.44	900.91	0.000202	1.67	543.19	511.01
Tributary 14037.12 100-YEAR 1048 895.64 901.4 897.59 901.45 0.000194 1.75 608.45 618.02 Tributary 13925.12 Culvert	Tributary	14037.12	50-YEAR	961	895.64	901.09	897.52	901.14	0.0002	1.71	571.42	568.77
Tributary 13925.12 Culvert Image: Colvert	Tributary	14037.12	100-YEAR	1048	895.64	901.4	897.59	901.45	0.000194	1.75	608.45	618.02
Tributary13809.032-YEAR527894.62899.07896.88899.120.0004071.87281.59555.34Tributary13809.035-YEAR697894.62899.31897.09899.390.0005632.31302.09610.25Tributary13809.0310-YEAR785894.62899.42897.18899.520.0006412.51312.13614.49Tributary13809.0325-YEAR890894.62899.62897.32899.730.0006882.7329.43621.78Tributary13809.0350-YEAR961894.62899.78897.38899.910.0006662.8343.71627.79Tributary13809.03100-YEAR1048894.62900.05897.48900.180.0006672.86366.75637.5Tributary137322-YEAR527894.32899899.080.0007562.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373210-YEAR785894.32899.58899.660.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.56899.660.0007252.79672.17502.33Tributary<	Tributary	13925.12		Culvert								
Tributary13809.035-YEAR697894.62899.31897.09899.390.0005632.31302.09610.25Tributary13809.0310-YEAR785894.62899.42897.18899.520.0006412.51312.13614.49Tributary13809.0325-YEAR890894.62899.62897.32899.730.0006882.7329.43621.78Tributary13809.0350-YEAR961894.62899.78897.38899.910.0006962.8343.71627.79Tributary13809.03100-YEAR1048894.62900.05897.48900.180.0006672.86366.75637.5Tributary137322-YEAR527894.32899899.080.0006552.45396.09440.64Tributary137325-YEAR697894.32899.25899.340.0007562.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.58899.660.0007252.79672.17502.33Tributary1373250-YEAR961894.32899.76899.830.0006452.69761.46512.45	Tributary	13809.03	2-YEAR	527	894.62	899.07	896.88	899.12	0.000407	1.87	281.59	555.34
I ributary13809.0310-YEAR785894.62899.42897.18899.520.0006412.51312.13614.49Tributary13809.0325-YEAR890894.62899.62897.32899.730.0006882.7329.43621.78Tributary13809.0350-YEAR961894.62899.78897.38899.910.0006962.8343.71627.79Tributary13809.03100-YEAR1048894.62900.05897.48900.180.0006672.86366.75637.5Tributary137322-YEAR527894.32899899.880.0006552.45396.09440.64Tributary137325-YEAR697894.32899.25899.340.0007562.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.58899.660.0007252.79672.17502.33Tributary1373250-YEAR961894.32899.76899.830.0006452.69761.46512.45	Tributary	13809.03	5-YEAR	697	894.62	899.31	897.09	899.39	0.000563	2.31	302.09	610.25
Indutary 13809.03 25-YEAR 890 894.62 899.62 897.32 899.73 0.000688 2.7 329.43 621.78 Tributary 13809.03 50-YEAR 961 894.62 899.78 897.38 899.91 0.000688 2.7 329.43 621.78 Tributary 13809.03 50-YEAR 961 894.62 899.78 897.38 899.91 0.000696 2.8 343.71 627.79 Tributary 13732 2-YEAR 527 894.32 899 899.88 0.000655 2.45 396.09 440.64 Tributary 13732 5-YEAR 697 894.32 899.25 899.34 0.000756 2.73 510.05 471.16 Tributary 13732 10-YEAR 785 894.32 899.37 899.46 0.000787 2.83 567.83 483.19 Tributary 13732 10-YEAR 785 894.32 899.58 899.66 0.000725 2.79 672.17 502.33	I ributary	13809.03	10-YEAR	785	894.62	899.42	897.18	899.52	0.000641	2.51	312.13	614.49
Indulary13609.03 13809.0350-YEAR901894.62899.78897.38899.910.0006962.8343.71627.79Tributary13809.03100-YEAR1048894.62900.05897.48900.180.0006672.86366.75637.5Tributary137322-YEAR527894.32899899.080.0006552.45396.09440.64Tributary137325-YEAR697894.32899.25899.340.0007562.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.58899.660.0007252.79672.17502.33Tributary1373250-YEAR961894.32899.76899.830.0006452.69761.46512.45	I ributary	13809.03	25-YEAR	890	894.62	899.62	897.32	899.73	0.000688	2.7	329.43	621.78
Tributary137322-YEAR527894.32899899.080.0006552.45396.09440.64Tributary137325-YEAR697894.32899.25899.340.0007662.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.58899.660.0007252.79672.17502.33Tributary1373250-YEAR961894.32899.76899.830.0006452.69761.46512.45	i ributary	13809.03		961	894.62	899.78	897.38	899.91	0.000696	2.8	343.71	627.79
Indulary13732137325-27694.32699899.080.0006552.45396.09440.64Tributary137325-YEAR697894.32899.25899.340.0007562.73510.05471.16Tributary1373210-YEAR785894.32899.37899.460.0007872.83567.83483.19Tributary1373225-YEAR890894.32899.58899.660.0007252.79672.17502.33Tributary1373250-YEAR961894.32899.76899.830.0006452.69761.46512.45	Tributers	13009.03	2 VEAD	1048	094.02	900.05	097.48	900.18	0.0000655	2.00	300.75	037.5
Tributary 13732 10-YEAR 785 894.32 899.37 899.46 0.000787 2.83 567.83 483.19 Tributary 13732 25-YEAR 890 899.36 899.66 0.000787 2.83 567.83 483.19 Tributary 13732 25-YEAR 890 894.32 899.58 899.66 0.000725 2.79 672.17 502.33 Tributary 13732 50-YEAR 961 894.32 899.76 899.83 0.000645 2.69 761.46 512.45	Tributary	13/32	Z-TEAK	527	804.32	800.25		800 24	0.000055	2.45	390.09	440.64
Tributary 13732 25-YEAR 890 894.32 899.58 899.66 0.000767 2.63 507.65 465.19 Tributary 13732 25-YEAR 890 894.32 899.58 899.66 0.000725 2.79 672.17 502.33 Tributary 13732 50-YEAR 961 894.32 899.76 899.83 0.000645 2.69 761.46 512.45	Tributary	13/32		69/ 795	801 22	099.25 200 27		099.34 800 16	0.000756	2.73	567 92	4/1.10
Tributary 13732 50-YEAR 961 894.32 899.76 899.83 0.000645 2.69 761.46 512.45	Tributary	13732	25-YEAR	700 800	894.32	899.37		800 66	0.000707	2.03	672 17	502 33
	Tributary	13732	50-YEAR	961	894.32	899.76		899.83	0.000645	2.79	761 46	512.05
I ributary I 13/32[100-YEAR I 1048] 894.32[900.04] I 900.1[0.000524] 2.5[913.05] 580.46]	Tributary	13732	100-YEAR	1048	894.32	900.04		900.1	0.000524	2.5	913.05	580.46

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cts)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	13249.13	2-YEAR	527	893.71	898.67		898.72	0.000926	2.73	486.41	391.94
Tributary	13249.13	5-YEAR	697	893.71	898.87		898.93	0.001095	3.08	566.96	410.18
Tributary	13249.13	10-YEAR	785	893.71	898.98		899.04	0.001133	3.2	612.26	418.72
Tributary	13249.13	25-YEAR	890	893.71	899.25		899.3	0.000934	3.05	728.28	448.09
Tributary	13249.13	50-YEAR	961	893.71	899.48		899.52	0.000769	2.88	833.24	472.58
Tributary	10249.10		1040	093.71	099.03		099.00	0.0000001	2.0	1005.1	309.03
Tributary	12521.19		527 607	893.40	897.15		897.4	0.000868	4.14	202.01	231.89
Tributary	12521.19		785	803.40	808 33		808.38	0.002011	2.17	581.6	422.73
Tributary	12521.13	25-YEAR	890	893.46	898.85		898.89	0.000332	1 79	851.7	571.81
Tributary	12521.10	50-YEAR	961	893.46	899.2		899.22	0.000325	1.70	1053 18	608.27
Tributary	12521.19	100-YEAR	1048	893.46	899.64		899.66	0.000207	1.39	1337.35	658.49
Tributary	12252.66	2-YEAR	527	893.46	897.19	895.65	897.19	0.000173	1.21	980.27	516.62
Tributary	12252.66	5-YEAR	697	893.46	897.89	895.75	897.89	0.000112	1.1	1347.29	529.08
Tributary	12252.66	10-YEAR	785	893.46	898.31	895.81	898.32	0.000087	1.04	1574.28	537.34
Tributary	12252.66	25-YEAR	890	893.46	898.84	895.86	898.84	0.000072	1.02	2052.22	768.71
Tributary	12252.66	50-YEAR	961	893.46	899.18	895.89	899.18	0.000059	0.96	2322.58	802.37
Tributary	12252.66	100-YEAR	1048	893.46	899.63	895.93	899.64	0.000046	0.9	2695.24	845.95
Tributary	12157.3	2-YEAR	578	892.17	897.17	893.64	897.18	0.000143	1.33	687.49	526.44
Tributary	12157.3	5-YEAR	758	892.17	897.86	893.82	897.88	0.000149	1.5	799.19	547.92
Tributary	12157.3	10-YEAR	865	892.17	898.29	893.91	898.31	0.000148	1.58	867.07	560.99
Tributary	12157.3	25-YEAR	994	892.17	898.81	894.01	898.83	0.000144	1.65	950.46	577.09
Tributary	12157.3	50-YEAR	1089	892.17	899.15	894.08	899.17	0.000143	1.71	1005.24	589.53
Tributary	12157.3	100-YEAR	1218	892.17	899.6	894.18	899.62	0.000143	1.79	1077.23	606.95
Tributary	12050.3		Culvert						1.00		101.50
Tributary	11942.51	2-YEAR	578	891.81	896.93	893.6	896.95	0.00013	1.28	497.67	191.56
Tributary	11942.51	5-YEAR	758	891.81	897.54	893.82	897.57	0.00014	1.45	581.57	199.07
Tributary	11942.51	10-YEAR	004	001.01	897.92	893.93	897.95	0.000141	1.53	700.09	203.65
Tributary	11942.51	50-VEAR	1089	091.01 801.81	090.39 808 7	094.00 80/ 16	090.43 808 7/	0.000138	1.0	700.90	200.00
Tributary	11942.51	100-YEAR	1218	891.81	899.1	894.10	899.14	0.000138	1.00	801 71	212.10
Tributary	11012.01	2-YEAR	578	891.62	896.93	001.20	896.94	0.000052	0.85	1240.23	495 11
Tributary	11907.87	5-YEAR	758	891.62	897.55		897.56	0.000002	0.00	1554 67	524 15
Tributary	11907.87	10-YEAR	865	891.62	897.93		897.94	0.000046	0.92	1757 44	540.02
Tributary	11907.87	25-YEAR	994	891.62	898.41		898.41	0.000042	0.92	2020.21	565.8
Tributary	11907.87	50-YEAR	1089	891.62	898.71		898.72	0.00004	0.93	2195.32	581.54
Tributary	11907.87	100-YEAR	1218	891.62	899.11		899.12	0.000039	0.95	2435	615.6
Tributary	11840.85	2-YEAR	578	890.93	896.93		896.94	0.000064	0.86	1256.88	514.85
Tributary	11840.85	5-YEAR	758	890.93	897.55		897.55	0.000058	0.91	1590.12	558
Tributary	11840.85	10-YEAR	865	890.93	897.93		897.93	0.000053	0.91	1807.07	579.78
Tributary	11840.85	25-YEAR	994	890.93	898.4		898.41	0.000047	0.91	2089.47	607.37
Tributary	11840.85	50-YEAR	1089	890.93	898.71		898.72	0.000045	0.92	2278.03	627.4
Tributary	11840.85	100-YEAR	1218	890.93	899.11		899.12	0.000042	0.93	2535.93	660.07
Tributary	11787.88	2-YEAR	578	891.49	896.88	894.22	896.92	0.000327	1.98	445.04	508.4
I ributary	11787.88	5-YEAR	758	891.49	897.49	894.45	897.54	0.000337	2.2	523.32	553.74
I ributary	11/87.88	10-YEAR	865	891.49	897.87	894.6	897.92	0.00033	2.29	571.98	579.92
Tributary	11787.88		994	891.49	898.34	894.77	898.39	0.000315	2.37	632.82	608.26
Tributary	11787.88		1089	891.49	898.04	894.92 805.05	898.7	0.000312	2.44	722.76	676.32
Tributary	11730.88		Bridge	031.43	055.04	030.00	033.1	0.000303	2.55	122.10	070.32
Tributary	11607.27		579 E	800.05	906 15	905 14	806.3	0.001492	4.04	262.2	217.01
Tributary	11607.27	5-YEAR	578 759	800.05	090.10 806 /	805.14 805.1	090.3 806 6	0.001402	4.04 1 72	202.3	217.01
Tributary	11697.27	10-YEAR	865	890.05	896 55	895.54	896 78	0.002061	5.07	309 97	213.34
Tributary	11697 27	25-YEAR	994	890.05	896 7	895.69	896.96	0.002334	5.51	326 74	222 45
Tributary	11697.27	50-YEAR	1089	890.05	896.79	895.78	897.08	0.002543	5.82	337.66	223.37
Tributary	11697.27	100-YEAR	1218	890.05	896.91	895.94	897.24	0.00282	6.23	351.71	224.56
Tributary	11657.98	2-YEAR	578	890.05	896.17		896.21	0.000522	2.4	505.27	270.22
Tributary	11657.98	5-YEAR	758	890.05	896.43		896.49	0.000635	2.76	579.89	288.87
Tributary	11657.98	10-YEAR	865	890.05	896.59		896.65	0.000681	2.93	626.45	300.93
Tributary	11657.98	25-YEAR	994	890.05	896.74		896.81	0.000753	3.15	673.63	315.6
Tributary	11657.98	50-YEAR	1089	890.05	896.84		896.92	0.000804	3.3	705.85	324.21
Tributary	11657.98	100-YEAR	1218	890.05	896.98		897.06	0.000866	3.48	750.62	358.74

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	11009.06	2-YEAR	578	890.39	894.74	894.74	895.36	0.008798	6.45	112.38	166.7
Tributary	11009.06	5-YEAR	758	890.39	895.19	895.19	895.64	0.005844	5.94	223.12	291.94
Tributary	11009.06	10-YEAR	865	890.39	895.29	895.29	895.77	0.006034	6.21	254.34	303.24
Tributary	11009.06	25-YEAR	1090	890.39	895.46	895.41	895.91	0.005573	6.21	307.19	322.49
Tributary	11009.06		1089	890.39	895.77	895.49	896.01	0.005108	6.14 6.06	301.38	337.75
Tributary	10600.17		1210 E70	090.39	090.11	090.09	090.14	0.004019	0.00	410.24	400.92
Tributary	10690.17	2-TEAR	576	000.40 888.46	094.01 80/ 06		094.7 805.05	0.000606	2.73	403.92 547.06	400.03
Tributary	10690.17	10-YEAR	865	888.46	894.90		895.05	0.00002	2.91	603.92	419.22
Tributary	10690.17	25-YEAR	994	888.46	895.25		895.36	0.00071	3.24	672.66	434.51
Tributary	10690.17	50-YEAR	1089	888.46	895.36		895.47	0.000737	3.35	720.28	440.21
Tributary	10690.17	100-YEAR	1218	888.46	895.51		895.63	0.000754	3.45	789.67	448.38
Tributary	9932.969	2-YEAR	578	887.45	894.3		894.36	0.000398	2.2	593.27	575.58
Tributary	9932.969	5-YEAR	758	887.45	894.69		894.74	0.000365	2.23	829.06	651.01
Tributary	9932.969	10-YEAR	865	887.45	894.8		894.86	0.000397	2.36	905.67	677.25
Tributary	9932.969	25-YEAR	994	887.45	894.96		895.01	0.00041	2.45	1011.94	692.98
Tributary	9932.969	50-YEAR	1089	887.45	895.07		895.12	0.000419	2.52	1085.53	700.91
Tributary	9932.969	100-YEAR	1218	887.45	895.23		895.28	0.000413	2.55	1201.3	712.96
Tributary	9888.318	2-YEAR	578	887.21	894.31	890.84	894.33	0.000164	1.52	837.02	667.63
Tributary	9888.318	5-YEAR	758	887.21	894.69	891.27	894.72	0.000163	1.6	1106.11	726.31
I ributary	9888.318	10-YEAR	865	887.21	894.81	891.49	894.83	0.000182	1.71	1190.23	/38.68
Tributary	9888.318	25-YEAR	994	887.21	894.96	891.72	894.99	0.000196	1.81	1304.92	756.32
Tributary	9888.318	50-YEAR	1089	887.21	895.06	891.88	895.09	0.000206	1.88	1384.88	770.47
Tributary	9000.310	100-TEAK	1210 Bridgo	007.21	090.23	092.00	090.20	0.00021	1.94	1011.93	191.11
Tributary	9000.010		ET0	006 07	803.03	901.6	002.22	0.002002	4.02	227.14	210.96
Tributary	9013.012	2-TEAR	576	000.07 886.87	093.03 803.76	091.0 802.13	093.23 803.80	0.002093	4.03	227.14 507	219.00
Tributary	9813 512	10-YEAR	865	886.87	894.01	892.15	894 12	0.0001130	3.31	663.5	685.69
Tributary	9813 512	25-YEAR	994	886.87	894 46	892.83	894 52	0.000584	2 73	1006 27	839 79
Tributary	9813.512	50-YEAR	1089	886.87	894.78	893.16	894.82	0.000413	2.4	1283.69	887.35
Tributary	9813.512	100-YEAR	1218	886.87	895.16	893.12	895.19	0.000282	2.08	1630.25	934.5
Tributary	9728.044	2-YEAR	616	886.66	892.95		893.07	0.001188	3.11	330.59	315.24
Tributary	9728.044	5-YEAR	813	886.66	893.73		893.8	0.000637	2.63	738.04	685.41
Tributary	9728.044	10-YEAR	908	886.66	893.99		894.04	0.000503	2.44	921.46	735.15
Tributary	9728.044	25-YEAR	990	886.66	894.45		894.48	0.000279	1.94	1269.04	772.97
Tributary	9728.044	50-YEAR	1073	886.66	894.77		894.79	0.000206	1.74	1522.43	798.45
Tributary	9728.044	100-YEAR	1155	886.66	895.15		895.17	0.000146	1.54	1834.22	828.11
Tributary	9192.625	2-YEAR	616	886.15	892.75		892.78	0.000274	1.42	628.97	386.1
Tributary	9192.625	5-YEAR	813	886.15	893.62		893.64	0.000155	1.27	988.17	446.09
Tributary	9192.625	10-YEAR	908	886.15	893.88		893.9	0.000146	1.29	1111.28	478.29
Tributary	9192.020	20-TEAR	990 1072	880.10 996.15	894.37		894.39 904 72	0.000105	1.18	1300.97	501.09
Tributary	9192.025	100-YEAR	1073	886.15	895.1		895.12	0.000091	1.15	1735 74	554 25
Tributary	8600 113	2-YEAR	1135	885.58	892	889 51	892.31	0.001784	4 54	250.2	451.81
Tributary	8600.113	5-YEAR	1855	885.58	893.28	890.68	893.4	0.000745	3.46	1164.43	661.19
Tributary	8600.113	10-YEAR	2328	885.58	893.49	891.32	893.63	0.000918	3.93	1302.02	679.01
Tributary	8600.113	25-YEAR	3181	885.58	893.96	892.74	894.12	0.00102	4.38	1630.11	719.73
Tributary	8600.113	50-YEAR	3749	885.58	894.3	892.95	894.46	0.001005	4.51	1881.6	750.44
Tributary	8600.113	100-YEAR	4402	885.58	894.72	893.15	894.88	0.000938	4.55	2205.84	788.45
Tributary	8197.604	2-YEAR	1135	885.58	891.4	888.81	891.65	0.001443	4.05	280.54	228.76
Tributary	8197.604	5-YEAR	1855	885.58	892.55	889.87	892.93	0.001766	4.98	422.59	529.47
Tributary	8197.604	10-YEAR	2328	885.58	892.97	890.46	893.2	0.001235	4.38	993.85	584.64
Tributary	8197.604	25-YEAR	3181	885.58	893.29	891.37	893.59	0.001638	5.24	1183.47	619.52
I ributary	8197.604	50-YEAR	3749	885.58	893.65	892.09	893.95	0.001568	5.36	1416.2	659.82
i ributary	8197.604	IUU-YEAR	4402	885.58	894.15	892.85	894.41	0.001345	5.24	1/62.19	/16.41
Tributary	7745.407	2-YEAR	1205	885.56	888.71	888.71	890.01	0.013612	9.16	131.51	258.46
Tributory	7745.407		2024	885.56	890.23	890.23	891.33	0.007465	8.74	297.84	409.03
Tributary	77/5 /07	25-VEAD	2005	000.00 885 50	090.75 202.24	090.75	802 EU	0.007405	9.19	1262 0	040.11 660.22
Tributary	7745 407	50-YEAR	4252	885 56	802.01		803 21	0.002207	5.62	1608 33	704 51
Tributary	7745.407	100-YEAR	4899	885.56	893.65		893.84	0.001094	5.02	2206.57	745.16
Tributary	7120 867	2-YEAR	1205	879.57	888.06		888.2	0.000738	3.22	520.28	206 99
Tributary	7120.867	5-YEAR	2024	879.57	889.81		889.94	0.00052	3.33	1009.68	485.83
Tributary	7120.867	10-YEAR	2605	879.57	890.7		890.82	0.000448	3.37	1466.45	547.19
Tributary	7120.867	25-YEAR	3634	879.57	892.07		892.17	0.000343	3.3	2279.42	632.17
Tributary	7120.867	50-YEAR	4252	879.57	892.69		892.79	0.000321	3.34	2683.91	666.03
Tributary	7120.867	100-YEAR	4899	879.57	893.41		893.5	0.000285	3.3	3180.41	710.26
Table C.14Wilson Creek Results for Improvement Conditions

Tribulary Gen 14 2 * C * C * C * C * C * C * C * C * C *	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
Intellary Both 148 Intellary Intellary Intellar				(CTS)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Introlating Geb1.148 -TheAR 2005 0.00057 3.88 2.39.2.3 Titoulary Geb1.149 1.275.42 3.28 0.00057 3.88 1.205.3 4.41.26 Titoulary Geb1.149 1.275.42 3.28 1.205.3 4.21 5.83.5 4.13.26 Titoulary Geb1.149 1.275.42 3.28 1.205.3 4.21 5.83.5 4.13.26 Titoulary Geb1.149 1.275.42 3.28 1.205.3 4.21 5.23.5 4.21 2.23.2 2.2	Tributary	6661.149	2-YEAR	1205	879.56	887.39		887.68	0.001746	4.37	275.66	68.67
Indually Lebel 1, 149 Interacts 2010	Tributary	6661.149	5-YEAR	2024	879.56	889.22		889.54	0.001559	4.64	539.82	359.07
Thomay Bit 14 Display Display <thdisplay< th=""> <thdisplay< th=""> <thdis< td=""><td>Tributary</td><td>6661.149</td><td>10-YEAR</td><td>2605</td><td>879.56</td><td>890.29</td><td></td><td>890.52</td><td>0.000979</td><td>4.21</td><td>963.8</td><td>414.08</td></thdis<></thdisplay<></thdisplay<>	Tributary	6661.149	10-YEAR	2605	879.56	890.29		890.52	0.000979	4.21	963.8	414.08
Touclary 6461 145 [10]/YEAR 1493 150.75 183.19 183.19 183.20 100.077 1.382 123.22 170.22 Troubary 6465.64 YEAR 1220.4 670.57 880.01 880.20 0.00113 1.12 1.12 77.55 27.51 1.15 1.16 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.15 1.14 1.15	Tributary	6661 149	20-1 EAR	3034	879.50 970.56	802.44		891.90	0.000605	3.80	1020.39	403.40
Towards 6665 5 YEAR 120 97.57 987.14 987.34 90.733 3.83 3.87 127.75 11 Towards 6665 5 5 FEAR 2024 97.67 980.01 980.34 0000113 3.83 3.87 171.57 147.52 Towards 6665 54 50.747.67 980.01 980.34 0000755 3.86 1074.74 443.94 Towards 6665 54 50.747.87 987.15 982.35 980.25 0.00032 3.62 2011.71 443.94 Towards 650.0468 54.74.74 450.99 773.31 885.54 880.42 0.000781 3.22 3.77 547.24 611.21 Towards 630.0468 54.74.74 200.58 897.31 885.64 880.42 0.000524 4.29 124.44 468.1 Towards 630.0468 54.74.470 877.33 891.51 888.64 882.71 0.000513 3.71 673.34 883.51 Towards 64.48	Tributary	6661 149	100-YEAR	4252	879.50 879.56	092.44 803.10		092.0 803 34	0.000347	3.00	2302.15	403.20 510.36
Tabulary 645:56 VEAR 2020 197.57 883.01 100011 641.2 577.56 275.8 275.57 10011 641.2 577.56 275.7 10011 641.2 577.56 275.7 891.57 891.57 891.57 891.57 891.57 891.57 891.57 893.12 893.25 0.000382 3.66 201.67 217.4 341.4 Troburny 6665.54 10-VEAR 4999 879.57 893.12 893.21 803.225 3.000382 3.66 201.67.2 341.2 342.2 3.22 7.24.1 3.22 7.24.1 3.22 7.24.1 3.22 7.24.1 3.22 3.22 7.24.2 3.22 7.24.2 3.22 7.24.2 3.22 3.22 3.22 3.22 3.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 1.24.2 <	Tributary	6465 54		1205	970.57	000.10		000.04	0.000471	2.02	21/ 22	79.14
Toulung 6465.84 0.97EA 290.34 0.000765 3.88 997.55 415.25 Troulung 6465.65 257EA 433.34 775.7 891.35 892.25 0.000452 3.66 1700.24 433.64 Troulung 6465.64 607EA 4299 879.57 893.12 893.25 0.000768 3.22 420.17 541.4 Troulung 640.665 1007EA 4299 879.31 888.64 883.41 887.17 0.000768 3.27 224.24 225.25 Troulung 630.0468 574EA 2375.75 891.54 880.1 0.000768 3.27 234.24 481.0 3.47 1.0006 4.14 140.04 4.66 1.000768 3.28 6.00028 4.42 142.24 64.25 477.05 733.18 892.16 887.17 0.000683 3.71 833.61 3.02.14 442.24 142.24 64.27.24 482.24 1.0006 1.42.24 1.42.24 1.42.24 1.42.24 1.42.24 <	Tributary	6465 54	5-YEAR	2024	879.57	889.01		889.26	0.00133	3.03 4.12	577 55	275.14
Tabuary 6465.45 SYEAR 897.57 893.17 891.85 0.000493 3.61 1700.38 470.84 Trobuary 6465.54 60.742.87 4252.6 879.57 893.12 693.25 0.000392 3.65 2016.72 151.43 Trobuary 600.646 274.87 1200 879.31 888.48 884.44 889.11 0.000718 3.77 594.33 223.52 724.44 202.53 793.1 889.68 884.45 889.17 0.000718 3.77 783.4 203.62 20.000264 4.14 140.05 6.44 773.37 773.31 892.28 890.71 890.00051 4.44 844.6 890.17 140.21 476.09 773.31 892.28 880.71 890.00061 3.471 80.00061 3.471 80.00063 3.671 787.31 892.24 90.000278 3.68 5.444 277.33 773.8 898.67 80.00063 3.771 873.07 873.37 873.37 873.37 873.38 898.67 80.000	Tributary	6465.54	10-YFAR	2605	879.57	890 14		890.34	0.000765	3.88	997 59	415.25
Thoulary 6465 cf 50°/TAR 4295 679.57 693.25 60.000462 3.66 2016.72 433.32 Tinulary 6300.465 YEAR 1200 877.31 887.88 884.41 887.17 0.000788 3.22 217.54 813.1 Tinulary 6300.465 YEAR 2205 877.31 887.88 884.41 887.11 0.000788 3.22 214.22 214.22 214.22 214.22 214.22 214.22 214.22 214.22 214.22	Tributary	6465.54	25-YEAR	3634	879.57	891.7		891.85	0.000493	3.61	1700.38	476.84
Thouary 6665.54 100-YEAR 4999 697.57 693.12 693.25 0.000382 3.56 2401.71 651.41 Tirpulary 630.0468 FYEAR 1200 679.31 888.48 883.41 807.17 0.00078 3.72 574.33 225.25 Tirpulary 630.0468 FYEAR 2257 677.31 8891.51 880.16 891.74 0.00078 3.44 801.01 347.76 Tirpulary 630.0468 FYEAR 407.6 877.31 892.14 886.61 891.74 0.00054 4.44 847.609 Tirpulary 630.0486 FYEAR 1200 877.33 892.28 897.1 893.14 0.000786 3.65 544.44 277.33 321.3 178.71 873.34 892.67 893.14 0.000786 3.65 544.44 277.33 321.3 178.71 873.74 873.73 893.25 893.25 893.25 893.25 893.25 893.25 893.25 893.25 893.25 893.25	Tributary	6465.54	50-YEAR	4252	879.57	892.35		892.5	0.000452	3.65	2016.72	493.95
Tenuary 6300.468 CYEAR 2120 879.31 887 887.41 887.11 0.000768 3.27 354.32 332.23 Tholungy 6300.468 IO-YEAR 2257 879.31 888.84 889.4 689.1 0.00028 3.34 801.01 3.47 76 Tholungy 6300.468 GO-YEAR 4074 879.31 802.14 888.61 892.39 0.000528 4.24 114.05 446.1 Tholungy 6300.468 GO-YEAR 4074 879.31 882.41 882.34 0.000768 5.86 504.48 277.42 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 424.44 424.44 422.44 422.44 422.44 422.44 422.44 422.44 422.44 424.44 434.43 433.43 177.51 174.48 436.44 436.44 436.44 436.44 436.44 436.44 436.44 43	Tributary	6465.54	100-YEAR	4899	879.57	893.12		893.25	0.000392	3.6	2401.71	514.1
Thoulang 6030.468 6.YEAR 2025 879.31 898.86 884.6 890.2 0.000716 3.77 594.39 235.25 Thoulang 6300.468 55-YEAR 3557 879.31 891.51 686.16 891.74 0.00054 4.41 141.0.85 446.1 Thoulang 6300.468 100-YEAR 4706 879.31 892.28 882.30 0.000513 4.44 1452.1 442.24 Thoulang 6500.468 Birdge - - - - - - Thoulang 6121.399 6YEAR 2020 877.38 886.61 886.37 0.000786 3.71 871.23 30.0048 3.93.33 121.33 121.399 10YEAR 4776 877.38 889.47 881.2 2802.40 0.00048 4.38 1449.94 399.33 110.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33 141.33	Tributary	6300.468	2-YEAR	1209	879.31	887	883.41	887.17	0.000768	3.25	372.42	81.22
Thotuary 6300.468 10+YEAR 2597 879.31 891.6 890.7 0.00028 3.44 801.01 347.76 Thotuary 6300.468 60+YEAR 4074 879.31 892.14 8086.61 892.39 0.000528 4.49 1224.66 476.09 Thotuary 6300.468 100+YEAR 470.06 879.31 892.14 0.000758 5.46 4.49 1224.42 422.44 422.44 422.44 422.44 422.44 422.44 422.44 42.43 42.43 32.43 33.73 32.43 33.73 32.43 33.73 32.43 33.74 33.73 32.43 33.74 33.73 32.43 33.74 33.74 33.74 13.75 17.75 3.77 3.73.11 32	Tributary	6300.468	5-YEAR	2025	879.31	888.88	884.6	889.1	0.000718	3.77	594.39	235.25
Thottary 6300.468 55-YEAR 3557 879.31 891.51 888.16 897.3 0.00054 4.14 1140.85 4468.1 Thottary 6300.468 100-YEAR 4706 879.31 892.28 0.000513 4.14 144.22.1 442.24 Thottary 6300.468 100-YEAR 1209 879.38 888.67 0.000786 3.71 873.11 333.42 Thottary 6121.398 10-YEAR 2257 879.38 889.67 0.886.87 0.000786 3.71 817.16 335.342 Thottary 6121.398 60-YEAR 4074 879.38 889.67 881.8 0.000448 4.38 1408.27 331.34 1161.33 313.04 333.42 Thottary 6022.275 YYEAR 1209 877.83 888.2 887.6 808.61 0.000546 4.27 433.09 315.0 343.22 357.7 743.71 257.35 703.71 32.75.75 433.09 356.27 743.09 91.61 0.000556 <td>Tributary</td> <td>6300.468</td> <td>10-YEAR</td> <td>2597</td> <td>879.31</td> <td>890</td> <td>885.25</td> <td>890.22</td> <td>0.000628</td> <td>3.94</td> <td>801.01</td> <td>347.76</td>	Tributary	6300.468	10-YEAR	2597	879.31	890	885.25	890.22	0.000628	3.94	801.01	347.76
Fibulary 630.0468 EV-RA 4704 879.31 892.14 886.61 892.39 0.000513 4.42 1284.66 476.03 Tibulary 620.0468 Develope B87.3 882.71 883.71 0.000513 4.44 1452.1 442.24 Tibulary 6121.398 SYEAR 2202 879.38 888.67 886.87 0.000766 3.56 0.00144 3.81 1072.78 333.42 Tibulary 6121.398 SYEAR 2507 879.38 888.67 881.81 0.000444 3.81 1072.78 333.42 Tibulary 6122.389 10.74R 4776 879.38 886.7 881.61 0.000448 4.35 1489.84 399.33 1154.33 331.41 336.61 146.00 146.00 145.33 411.2 782.71 782.46 0.000552 3.29 616.01 146.00 145.33 333.85 1154.33 333.85 1154.33 333.85 1154.33 333.85 1154.33 333.85 1154.33 <td>Tributary</td> <td>6300.468</td> <td>25-YEAR</td> <td>3557</td> <td>879.31</td> <td>891.51</td> <td>886.16</td> <td>891.74</td> <td>0.00054</td> <td>4.14</td> <td>1140.85</td> <td>469.1</td>	Tributary	6300.468	25-YEAR	3557	879.31	891.51	886.16	891.74	0.00054	4.14	1140.85	469.1
Fibulary 6300.488 Bridge 84706 879.31 892.88 887.1 883.14 0.000563 3.7.4 Tribulary 6121.399 2YEAR 1209 879.38 886.67 884.05 885.87 0.000766 3.7.56 504.48 277.343 Tribulary 6121.399 10-YEAR 2597 879.38 888.67 881.63 0.000563 3.7.6 873.31 1327.61 333.42 Tribulary 6121.399 50-YEAR 4074 879.38 891.61 886.67 891.23 0.000441 4.3.6 1488.84 309.33 Tribulary 6022.257 2YEAR 1209 878.53 896.67 882.2 886.73 0.000556 3.5.9 615.04 104.09 Tribulary 6022.257 2YEAR 4706 878.53 896.67 891.75 0.000556 3.5.9 615.04 104.09 Tribulary 6022.257 10-YEAR 4706 878.38 890.15 885.7 891.75 805.67 891.75 <td>Tributary</td> <td>6300.468</td> <td>50-YEAR</td> <td>4074</td> <td>879.31</td> <td>892.14</td> <td>886.61</td> <td>892.39</td> <td>0.000528</td> <td>4.29</td> <td>1284.66</td> <td>476.09</td>	Tributary	6300.468	50-YEAR	4074	879.31	892.14	886.61	892.39	0.000528	4.29	1284.66	476.09
Thotary 6206.468 Bridge Fiblary 6121399 Solution Solution <thsolition< th=""> Solution S</thsolition<>	Tributary	6300.468	100-YEAR	4706	879.31	892.88	887.1	893.14	0.000513	4.44	1452.1	482.84
Thotuary 6121 399 2YEAR 1209 879.38 886.71 884.05 885.87 0.000768 3.78 507.31 Thotuary 6121 399 10-YEAR 2257 879.38 889.67 885.81 885.87 80000563 3.71 1376.1 3324.3 Thotuary 6121 399 50-YEAR 4074 879.38 891.61 886.97 891.23 0.000471 4.13 1376.1 385.33 Thotuary 6122 399 50-YEAR 4074 879.38 892.22 882.42 886.67 0.000564 4.62 1519.39 1114.93 Thotuary 6022.257 10-YEAR 2207 878.53 886.67 882.6 884.71 0.000525 3.60 1154.93 333.08 333.04 333.08	Tributary	6205.468		Bridge								
Tributary 6121.399 5-YEAR 2025 873.38 888.59 888.58 898.74 0.000494 3.31 1092.76 Tributary 6121.399 52-YEAR 355.7 873.38 891.61 686.57 891.23 0.000494 3.31 1092.76 Tributary 6121.399 50-YEAR 4706 873.38 891.61 886.57 891.23 0.000446 4.42 1619.39 4112.27 Tributary 6022.257 52-YEAR 1200 876.53 886.67 888.66 0.000556 3.27 783.7	Tributary	6121.399	2-YEAR	1209	879.38	886.71	884.05	886.87	0.000786	3.58	504.48	277.93
Tinbulary 6121.399 10-YEAR 2597 879.38 899.62 0.000471 4.31 1002.78 336.53 Tinbulary 6121.399 50-YEAR 4074 879.38 891.66 886.37 891.81 0.000471 4.4.36 1488.94 399.32 Tinbulary 6022.257 2YEAR 1200 878.53 896.67 82.8 886.77 802.46 0.000564 4.26 141.22 Tinbulary 6022.257 2YEAR 1200 878.53 889.56 884.62 889.75 0.000555 3.29 615.04 104.99 Tinbulary 6022.257 10-YEAR 4706 876.53 891.56 681.77 0.000555 3.29 615.04 133.00 632.25 133.01 133.00 133.02 133.02 133.01 133.02 133.02 133.00 133.00 143.52 143.52 133.00 133.00 133.00 133.00 133.00 133.00 133.00 133.00 133.00 133.00 133.00 133.00 <td>Tributary</td> <td>6121.399</td> <td>5-YEAR</td> <td>2025</td> <td>879.38</td> <td>888.59</td> <td>885.35</td> <td>888.74</td> <td>0.000563</td> <td>3.71</td> <td>873.01</td> <td>324.3</td>	Tributary	6121.399	5-YEAR	2025	879.38	888.59	885.35	888.74	0.000563	3.71	873.01	324.3
insulary 01:1	I ributary	6121.399	10-YEAR	2597	879.38	889.67	885.81	889.82	0.000494	3.81	1092.78	353.42
Induary 61:1.399 00:1.2.4R 40:4 873.35 09:1.0 680.97 99:1.8 0.000564 4.30 1488.94 399.3.3 Tributary 60:22.257 2-YEAR 1209 877.5.3 886.57 882.26 882.26 886.78 0.000564 2.7.5 439.09 91.61 Tributary 60:22.257 7-YEAR 2257 877.53 889.56 884.12 886.6 0.000558 3.5.7 783.71 257.35 Tributary 60:22.257 FO-YEAR 4074 876.53 891.5 885.76 691.73 0.000552 4.03 133.08 892.48 0.000514 4.18 155.76 413.52 Tributary 5679.313 5-YEAR 4074 876.09 886.49 880.40 880.40 880.40 880.41 880.40 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.41 880.4	Tributary	6121.399	25-YEAR	3557	879.38	891.06	886.37	891.23	0.000471	4.13	1376.1	385.53
Intulary 6012.37 6012.37 6012.47 6022.46 C.000546 4.00 1013.33 1112.4 Tributary 6022.257 C+RAR 1206 878.53 888.67 882.8 888.67 0.000546 3.29 615.64 104.09 Tributary 6022.257 C+VRA 2507 878.53 889.56 888.51 884.12 888.67 0.000556 3.29 615.64 104.09 Tributary 6022.257 C+VRA 4706 878.53 892.15 886.79 891.71 0.000526 3.86 1154.93 333.85 Tributary 6022.257 IVAR 4706 878.53 892.15 886.79 90.0075 2.88 419.34 100.76 Tributary 6079.313 C+VRA 2205 878.09 888.31 884.08 888.40 0.000689 3.61 103.16 113.19.27 246.14 189.33 100.76 133.26 249.64 113.26 249.64 Tributary 5679.313 C+VRA 1210 878.12 885.31 889.22 0.000683 3.61 103.277 <td>Tributary</td> <td>6121.399</td> <td>100 VEAR</td> <td>4074</td> <td>879.38</td> <td>891.61</td> <td>886.97</td> <td>891.8</td> <td>0.000488</td> <td>4.30</td> <td>1488.94</td> <td>399.33</td>	Tributary	6121.399	100 VEAR	4074	879.38	891.61	886.97	891.8	0.000488	4.30	1488.94	399.33
Intuining 60.02.2.10 2-1:EAR 12.03 680.01 680.02 680.17 60.00365 2.7:9 433.03 91.01 Tributary 6022.257 10-YEAR 205 878.53 889.56 884.12 888.60 0000556 3.57 783.71 257.35 Tributary 6022.257 10-YEAR 4074 878.53 891.55 885.76 891.73 0000526 4.03 133.06 892.85 Tributary 6579.313 2-YEAR 4076 878.53 891.5 885.17 891.41 885.67 0000526 4.03 133.06 892.86 Tributary 5679.313 2-YEAR 2025 878.09 888.31 884.49 888.47 0.000689 3.21 631.57 126.37 Tributary 5679.313 0-YEAR 470.6 878.09 889.36 885.47 891.50 0.000663 3.6 171.22 72.5 61.13 227.7 5.6 131.22 72.7 5.6 131.22 72.7 5.6	Tributary	6022.257	2 VEAD	4700	079.30	092.20	007.27	092.40	0.000504	4.02	1019.39	411.22
Industry Ouz 22 57 IV-YEAR 2250 ORUS1 OUR 1 OUR 2000 Start ICT/S Tributary 6022 257 IV-YEAR 3557 878.53 889.56 884.62 885.76 0.000526 3.68 1154.33 333.68 Tributary 6022.257 IV-YEAR 4706 878.53 892.15 885.76 0.000526 4.03 1330.08 369.28 Tributary 56773.313 IV-YEAR 1209 878.00 888.41 883.03 886.47 0.000689 3.21 631.57 126.37 Tributary 5679.313 FVEAR 2025 878.09 889.47 886.47 0.000663 3.6 100.518 213.7 Tributary 5679.313 GV-YEAR 4074 878.09 885.47 891.53 0.000663 3.6 100.518 213.7 Tributary 5673.313 OV-YEAR 4074 878.09 881.31 885.27 0.000663 3.61 132.62 249.64 440.1002238 59.57 </td <td>Tributary</td> <td>6022.257</td> <td>Z-TEAR 5-VEAR</td> <td>2025</td> <td>070.00 878.53</td> <td>000.07 888.51</td> <td>002.0 88/ 12</td> <td>888 68</td> <td>0.000546</td> <td>2.70</td> <td>439.09 615.04</td> <td>91.01 104.00</td>	Tributary	6022.257	Z-TEAR 5-VEAR	2025	070.00 878.53	000.07 888.51	002.0 88/ 12	888 68	0.000546	2.70	439.09 615.04	91.01 104.00
Industry Object Server Se	Tributary	6022.257		2023	878 53	889 56	884 62	889.75	0.000558	3.57	783 71	257 35
Tributary 6022 257 50 YEAR 4074 878.55 889.76 891.73 0.000525 4.03 1330.08 369.28 Tributary 6022 257 100-YEAR 4706 878.55 882.15 886.57 0.000514 4.18 1555.76 Tributary 5679.313 5-YEAR 2025 878.09 888.41 880.30 886.57 0.000673 3.36 772.96 141.89 Tributary 5679.313 5-YEAR 257 878.09 889.76 885.47 890.50 3.6 100.518 213.7 Tributary 5679.313 50-YEAR 4074 878.09 891.31 885.47 891.53 0.000663 3.6 100.518 213.7 Tributary 5490.167 2-YEAR 1210 878.12 885.31 886.34 890.22 0.000661 3.71 132.62 249.64 Tributary 5490.167 YEAR 202.8 878.12 886.38 886.24 0.002205 5.44 457.01 205.35 147.01 20	Tributary	6022.257	25-YEAR	3557	878.53	890.95	885.37	891 16	0.000526	3.86	1154 93	333.85
Tributary 6022.257 100-YEAR 4706 878.53 892.15 886.19 892.4 0.000514 4.18 1555.76 413.52 Tributary 5679.313 2-YEAR 1209 878.09 886.44 883.03 886.47 0.000715 2.88 419.94 100.75 Tributary 5679.313 5-YEAR 2557 878.09 889.36 884.44 889.36 0.000663 3.6 170.52.66 141.89 Tributary 5679.313 50-YEAR 4074 878.09 891.31 885.67 890.96 0.000663 3.6 1132.62 249.64 Tributary 5679.313 100-YEAR 4706 878.12 885.81 883.33 886.24 0.000634 3.81 1132.62 249.64 Tributary 5490.167 10-YEAR 120 878.12 885.81 889.21 0.000693 5.54 359.57 169.9 Tributary 5490.167 10-YEAR 4006 878.12 889.48 888.17 0.002185	Tributary	6022.257	50-YEAR	4074	878.53	891.5	885.76	891.73	0.000525	4.03	1330.08	369.28
Tributary 5679.313 2-YEAR 1209 878.09 886.44 883.03 886.57 0.000659 3.21 631.57 128.37 Tributary 5679.313 10-YEAR 2025 878.09 888.31 884.46 889.54 0.000669 3.21 631.57 128.37 Tributary 5679.313 10-YEAR 4074 878.09 890.76 889.54 0.000663 3.6 1005.18 213.7 Tributary 5679.313 10-YEAR 4076 878.09 891.53 0.000663 3.6 1005.18 213.7 224.64 Tributary 5490.167 2-YEAR 120 878.12 885.61 883.38 886.24 0.002601 5.31 227.72 56.16 Tributary 5490.167 10-YEAR 2600 878.12 889.63 885.81 889.21 0.001953 6.24 457.01 205.35 Tributary 5490.167 10-YEAR 4689 878.12 890.94 891.57 0.001953 6.24	Tributary	6022.257	100-YEAR	4706	878.53	892.15	886.19	892.4	0.000514	4.18	1555.76	413.52
Tributary 5679.313 5-YEAR 2025 878.09 888.31 884.08 888.47 0.000689 3.21 631.57 126.37 Tributary 5679.313 5-YEAR 3557 878.09 889.36 884.64 889.56 800.00663 3.36 1005.18 213.7 Tributary 5679.313 50-YEAR 4074 878.09 891.37 885.87 891.53 0.000663 3.61 105.18 213.7 Tributary 5490.167 2-YEAR 1210 878.12 885.81 883.38 886.24 0.002601 5.31 227.72 55.16 Tributary 5490.167 5-YEAR 2026 878.12 888.63 885.81 889.21 0.001953 6.24 457.01 205.55 Tributary 5490.167 5-YEAR 4006 878.12 890.48 887.43 891.17 0.001953 6.52 457.01 205.35 Tributary 5494.167 D-YEAR 4006 877.12 884.61 890.22	Tributary	5679.313	2-YEAR	1209	878.09	886.44	883.03	886.57	0.000715	2.88	419.34	100.76
Tributary 5679.313 IO-YEAR 2557 878.09 899.36 884.64 889.54 0.000673 3.36 T72.96 141.89 Tributary 5679.313 50-YEAR 4074 878.09 891.31 885.47 890.96 0.000663 3.6 1005.18 213.7 Tributary 5679.313 100-YEAR 4706 878.09 891.37 886.33 892.2 0.000643 3.91 1319.27 224.64 Tributary 5490.167 5-YEAR 2028 878.12 887.6 884.64 888.14 0.002238 5.94 355.57 169.9 Tributary 5490.167 10-YEAR 2000 878.12 887.43 881.17 0.00193 6.24 457.01 205.35 Tributary 5490.167 10-YEAR 4606 878.12 890.48 887.43 891.17 0.00193 6.55 219.93 60.26 Tributary 5456.54 10-YEAR 4606 877.54 884.74 883.04 887.27	Tributary	5679.313	5-YEAR	2025	878.09	888.31	884.08	888.47	0.000689	3.21	631.57	126.37
Tributary 5679.313 25-YEAR 3557 878.09 890.76 885.47 890.96 0.000663 3.6 100.518 213.7 Tributary 5679.313 100-YEAR 4076 878.09 891.37 885.87 891.53 0.000663 3.76 1132.62 249.64 Tributary 5490.167 2-YEAR 1210 878.12 885.81 883.22 0.000654 5.31 227.72 55.61 Tributary 5490.167 10-YEAR 2008 878.12 888.63 885.81 890.21 0.00193 6.24 457.01 205.35 Tributary 5490.167 100-YEAR 4668 878.12 889.93 886.02 891.81 0.002109 7.25 629.33 247.91 Tributary 5485.167 Bridge	Tributary	5679.313	10-YEAR	2597	878.09	889.36	884.64	889.54	0.000673	3.36	772.96	141.89
Tributary 5679.313 50-YEAR 4074 878.09 891.31 885.87 891.53 0.000669 3.76 1132.62 248.64 Tributary 5649.0167 2YEAR 1210 877.812 885.81 883.33 886.24 0.002601 5.31 227.72 56.16 Tributary 5490.167 5-YEAR 2028 878.12 887.61 884.96 888.14 0.002601 5.31 227.72 56.16 Tributary 5490.167 5-YEAR 2060 878.12 889.68 890.62 0.00184 6.66 52.42 236.23 Tributary 5490.167 50-YEAR 4066 878.12 890.48 887.43 891.17 0.00193 6.24 457.01 236.24 131.91 Tributary 5490.167 100-YEAR 4689 878.12 890.48 887.43 891.17 0.00193 6.24 445.167 Tributary 5385.44 10-YEAR 4260 877.54 886.45 888.13 0.002707 7.02 503.6	Tributary	5679.313	25-YEAR	3557	878.09	890.76	885.47	890.96	0.000663	3.6	1005.18	213.7
Tributary 5679.313 100-YEAR 4706 878.09 991.97 886.33 892.2 0.000634 3.91 1319.27 324.64 Tributary 5490.167 5-YEAR 1210 878.12 885.81 883.38 886.24 0.002601 5.31 227.72 56.16 Tributary 5490.167 10-YEAR 2000 878.12 886.63 885.81 889.21 0.001953 6.24 457.01 205.35 Tributary 5490.167 50-YEAR 4006 878.12 890.4 887.43 891.17 0.0019 7.25 629.38 247.91 Tributary 5490.167 100-YEAR 4608 878.12 890.48 887.43 891.17 0.0019 7.94 677.82 318.14 Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 5-YEAR 2028 877.54 884.37 887.09 <	Tributary	5679.313	50-YEAR	4074	878.09	891.31	885.87	891.53	0.000669	3.76	1132.62	249.64
Tributary 5490.167 2-YEAR 1210 878.12 885.81 883.38 886.24 0.002201 5.31 227.72 56.16 Tributary 5490.167 10-YEAR 2000 878.12 887.6 884.96 888.14 0.002238 5.94 359.57 169.9 Tributary 5490.167 10-YEAR 4006 878.12 889.93 886.88 899.62 0.001844 6.86 582.42 238.23 Tributary 5490.167 10-YEAR 4668 878.12 890.89 881.80 891.17 0.0019 7.25 629.38 247.91 Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 5-YEAR 2020 877.54 887.48 885.04 888.13 0.002270 7.02 503.66 6.42 404.78 77.52 Tributary 5385.84 10-YEAR 2600 877.54 88	Tributary	5679.313	100-YEAR	4706	878.09	891.97	886.33	892.2	0.000634	3.91	1319.27	324.64
Tributary 5490.167 5-YEAR 2028 878.12 887.6 884.94 0.002238 5.94 359.57 169.9 Tributary 5490.167 10-YEAR 2600 878.12 888.63 885.81 889.21 0.001953 6.24 457.01 205.35 Tributary 5490.167 50-YEAR 4006 878.12 890.4 887.43 891.17 0.0019 7.25 629.38 247.91 Tributary 5490.167 Bridge 890.89 888.02 891.8 0.00219 7.94 677.82 318.14 Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.002794 6.1 332.38 77.26 Tributary 5385.84 10-YEAR 2600 877.54 886.18 884.37 887.09 0.002794 6.1 332.38 77.26 Tributary 5385.84 10-YEAR 4606 877.54 889.12 866.45 889.97 0.002871 7.42 5	Tributary	5490.167	2-YEAR	1210	878.12	885.81	883.38	886.24	0.002601	5.31	227.72	56.16
Tributary 5490.167 10-YEAR 2600 878.12 888.33 885.81 889.21 0.001953 6.24 457.01 205.35 Tributary 5490.167 50-YEAR 4006 878.12 889.33 866.88 890.62 0.001844 6.86 582.42 236.23 Tributary 5490.167 100-YEAR 4689 878.12 890.49 888.02 891.8 0.002109 7.94 677.82 318.14 Tributary 5385.84 5-YEAR 1210 877.54 884.8 883.04 885.27 0.00314 5.5 219.33 60.26 Tributary 5385.84 5-YEAR 2028 877.54 884.81 883.04 885.27 0.002794 6.1 332.38 71.26 Tributary 5385.84 5-YEAR 2008 877.54 884.83 884.13 0.002667 7.02 503.69 85.34 191.4 Tributary 5385.84 100-YEAR 4606 877.54 889.12 886.45 889.97 0.002871 7.42 543.58 191.4 Tributary	Tributary	5490.167	5-YEAR	2028	878.12	887.6	884.96	888.14	0.002238	5.94	359.57	169.9
Tributary 5490.167 25-YEAR 3536 878.12 889.93 886.88 890.62 0.001844 6.86 582.42 236.23 Tributary 5490.167 10-YEAR 4689 678.12 890.69 888.02 891.8 0.0019 7.25 629.38 247.91 Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 5-YEAR 2020 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 10-YEAR 2000 877.54 886.48 886.04 888.13 0.002666 6.42 404.78 77.52 Tributary 5385.84 10-YEAR 4006 877.54 888.1 886.75 889.97 0.002671 7.02 503.69 853.44 Tributary 5340.014 2-YEAR 4210 877.54 888.17 886.65 80.97 0.002871 7.42 543.58 191.4 191.4 170.44 54	Tributary	5490.167	10-YEAR	2600	878.12	888.63	885.81	889.21	0.001953	6.24	457.01	205.35
Inbutary 5490.16 / 50-YEAR 4006 878.12 890.49 887.33 891.1 / 0.0019 7.25 629.38 247.91 Tributary 5490.167 Ioo-YEAR 4689 878.12 890.49 888.02 891.8 0.002109 7.94 677.82 318.14 Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 10-YEAR 2028 877.54 886.51 884.37 800.266 6.42 404.78 77.52 Tributary 5385.84 10-YEAR 2000 877.54 888.7 886 888.13 0.002266 6.42 404.78 77.52 Tributary 5385.84 100-YEAR 4006 877.54 889.12 88.45 889.97 0.002865 8.13 590.08 219.72 Tributary 5340.014 2-YEAR 1210 877.21 884.83 881.74 885.06 0.001247 3.82 316.6 80.06 Tributary 5340.014 10-YEAR 2020<	Tributary	5490.167	25-YEAR	3536	878.12	889.93	886.88	890.62	0.001844	6.86	582.42	236.23
Inbutary 5445.167 Bridge Stats.167 Bridge Tributary 5385.84 2-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 5-YEAR 2028 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 10-YEAR 2600 877.54 887.48 885.04 881.31 0.00266 6.42 404.78 77.52 Tributary 5385.84 25-YEAR 3536 877.54 886.7 866 889.46 0.002707 7.02 503.69 85.34 Tributary 5385.84 10-YEAR 4669 877.24 886.75 880.14 80.002265 8.13 590.08 219.72 Tributary 5340.014 2-YEAR 2028 877.21 886.57 883.15 886.66 0.001265 8.13 590.08 219.72 Tributary 5340.014 10	Tributary	5490.167	100 VEAR	4006	878.12	890.4	887.43	891.17	0.0019	7.25	629.38	247.91
Inducative 5449.167 Biloge Constraint Tributary 5385.84 5-YEAR 1210 877.54 884.8 883.04 885.27 0.003145 5.5 219.93 60.26 Tributary 5385.84 5-YEAR 2028 877.54 886.51 884.37 887.90 0.002707 7.02 503.69 85.34 Tributary 5385.84 50-YEAR 4006 877.54 888.7 886 889.46 0.002707 7.02 503.69 85.34 Tributary 5385.84 100-YEAR 4069 877.54 889.12 886.45 889.97 0.002871 7.42 543.58 191.4 Tributary 5340.014 2-YEAR 1210 877.21 884.83 881.74 885.06 0.001347 3.82 316.6 80.06 Tributary 5340.014 10-YEAR 2028 877.21 886.87 883.85 80.00124 4.62 562.34 100.24 Tributary 5340.014 10-YEAR 2000 877.21 888.8 884.81 89.2 0.001291 5.11	Tributary	5490.167	100-YEAR	4089 Dridge	878.12	890.89	888.02	891.8	0.002109	7.94	077.82	318.14
Hibutary 5380.84 2+FEAR 1210 677.34 684.8 683.04 685.27 0.003143 5.35 219.33 600.26 Tributary 5386.84 5-YEAR 2028 877.54 886.61 884.37 887.09 0.002794 6.1 332.38 71.26 Tributary 5385.84 10-YEAR 2600 877.54 886.1 884.54 889.97 0.002707 7.02 503.69 85.34 Tributary 5385.84 10-YEAR 4006 877.54 886.1 884.70 886.66 0.002707 7.02 503.69 85.34 Tributary 5380.014 2-YEAR 4689 877.54 889.16 887.05 890.54 0.002871 7.42 543.58 191.4 Tributary 5340.014 5-YEAR 4028 877.21 884.83 881.74 885.66 0.001347 3.82 316.6 80.06 Tributary 5340.014 10-YEAR 2000 877.21 884.83 887.89 0.00124 4.62 562.34 100.24 Tributary 5340.014 <td< td=""><td>Tributary</td><td>5205.04</td><td></td><td>Bridge</td><td>077 54</td><td>004.0</td><td>002.04</td><td>005.07</td><td>0.000145</td><td>5.5</td><td>040.00</td><td>c0.00</td></td<>	Tributary	5205.04		Bridge	077 54	004.0	002.04	005.07	0.000145	5.5	040.00	c0.00
Inductary 500.001 01 LAR 2000 677.54 807.48 807.49 0.002794 0.1 332.38 71.26 Tributary 5385.84 10-YEAR 2600 877.54 887.48 886.14 0.002666 6.42 404.78 77.52 Tributary 5385.84 25-YEAR 3536 877.54 888.7 886.78 889.46 0.002707 7.02 503.69 85.34 Tributary 5385.84 10-YEAR 4699 877.54 889.11 887.05 890.54 0.002707 7.42 543.58 191.4 Tributary 5340.014 5-YEAR 4689 877.21 884.63 881.74 885.06 0.001266 4.34 466.95 92.93 Tributary 5340.014 5-YEAR 2028 877.21 884.81 889.2 0.00124 4.62 562.34 100.24 Tributary 5340.014 50-YEAR 4006 877.21 888.8 884.81 89.2 0.00124 4.62 5.37 797.05 233.88 Tributary 5071.343 5-YEAR 4006	Tributary	5305.84		1210	011.54 877 FA	004.8 896 F1	003.04 801 27	005.27	0.003145	5.5	219.93	0U.20 71.20
Inductry 5305.51 1011 FLAR 2000 617.54 607.54 608.15 0.002707 7.02 503.69 853.4 Tributary 5385.84 50-YEAR 3536 877.54 889.12 886.45 889.46 0.002707 7.02 503.69 85.34 Tributary 5385.84 100-YEAR 4689 877.54 889.12 886.45 889.97 0.002707 7.02 503.69 85.34 Tributary 5385.84 100-YEAR 4689 877.54 889.51 887.05 890.54 0.002707 7.02 503.69 85.34 100.24 66.6 80.06 0.001347 3.82 316.6 80.06 Tributary 5340.014 10-YEAR 2008 877.21 886.57 883.15 886.86 0.001266 4.34 466.95 92.93 Tributary 5340.014 10-YEAR 2000 877.21 888.8 884.81 89.2 0.00124 4.62 562.34 100.24 Tributary 5340.014 10-YEAR 4006 877.21 889.67 885.7 890.19 <	Tributary	5385 84		2028	011.54 877 54	000.51 887 /9	004.37 885 04	007.09 888 12	0.002794	0.1 6 / 2	332.38 404 79	77.50
Indutary5365.8450.7EAR6006677.54889.12886.45889.970.0028717.42543.58191.4Tributary5385.84100-YEAR4689877.54889.12886.45889.970.0028717.42543.58191.4Tributary5340.0142-YEAR1210877.21884.83881.74885.060.0013473.82316.680.06Tributary5340.0145-YEAR2028877.21886.57883.15886.860.0012664.34466.9592.93Tributary5340.01410-YEAR2600877.21887.66883.88887.890.001244.62562.34100.24Tributary5340.01425-YEAR3536877.21888.6885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56Tributary5340.014100-YEAR4689877.21888.64885.289.680.0013265.37797.05233.38Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.34310-YEAR2600876.95887.43887.590.0006273.26797.85161.44Tributary5071.34310-YEAR2600876.95889.19889.370.0005973.471362.11409.	Tributary	5385.84	25-YEAR	3536	877 54	888 7	886	889.46	0.002000	7 02	503.69	85.34
Tributary5385.8410-YEAR4689877.54889.51887.05800.540.0032658.13590.08219.72Tributary5340.0142-YEAR1210877.21884.83881.74885.060.0013473.82316.680.06Tributary5340.0145-YEAR2028877.21886.57883.15886.860.0012664.34466.9592.93Tributary5340.01410-YEAR2600877.21887.56883.88887.890.001244.62562.34100.24Tributary5340.01450-YEAR4006877.21888.24885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4006877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3432-YEAR2020876.95887.43887.590.0007263.26797.85161.44Tributary5071.34310-YEAR2600876.95887.2888.90.0006273.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005273.471362.11409.36Tributary5071.34310-YEAR4689876.95889.65889.850.000623.711554.57434.12	Tributary	5385.84	50-YEAR	4006	877.54	889.12	886.45	889.97	0.002871	7.42	543.58	191.4
Tributary5340.0142-YEAR1210877.21884.83881.74885.060.0013473.82316.680.06Tributary5340.0145-YEAR2028877.21886.57883.15886.860.0012664.34466.9592.93Tributary5340.01410-YEAR2600877.21887.56883.88887.890.001244.62562.34100.24Tributary5340.01425-YEAR3536877.21888.2885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3432-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2600876.95887.43887.590.0007263.26797.85161.44Tributary5071.34310-YEAR4609876.95889.19889.370.0006273.381176.84383.73Tributary5071.34310-YEAR4689876.95889.19889.370.0005973.471362.11409.36Tributary5071.34310-YEAR4689876.95889.65889.850.000623.711554.57434.12Tribut	Tributary	5385.84	100-YEAR	4689	877.54	889.51	887.05	890.54	0.003265	8.13	590.08	219.72
Tributary5340.0145-YEAR2028877.21886.57883.15886.860.0012664.34466.9592.93Tributary5340.01410-YEAR2600877.21887.56883.88887.890.001244.62562.34100.24Tributary5340.01425-YEAR3536877.21888.8884.81889.20.0012915.11692.09185.24Tributary5340.01450-YEAR4006877.21889.24885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.34310-YEAR2000876.95887.43887.590.0007263.26797.85161.44Tributary5071.34310-YEAR2600876.95888.72888.90.0006273.381176.84383.73Tributary5071.34310-YEAR4006876.95889.19889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.26883.69884.060.0019614.87248.5654.15Tributary5071.343100-YEAR4689876.26885.6886.070.0020885.48369.8171.88Trib	Tributary	5340.014	2-YEAR	1210	877.21	884.83	881.74	885.06	0.001347	3.82	316.6	80.06
Tributary5340.01410-YEAR2600877.21887.56883.88887.890.001244.62562.34100.24Tributary5340.01425-YEAR3536877.21888.8884.81889.20.0012915.11692.09185.24Tributary5340.01450-YEAR4006877.21889.24885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3435-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2000876.95887.43887.590.000223.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005273.471362.11409.36Tributary5071.343100-YEAR4689876.95889.65889.850.000623.71155.57434.12Tributary5071.343100-YEAR4689876.26883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26885.6886.070.0020885.48369.8171.88Tributary470	Tributary	5340.014	5-YEAR	2028	877.21	886.57	883.15	886.86	0.001266	4.34	466.95	92.93
Tributary5340.01425-YEAR3536877.21888.8884.81889.20.0012915.11692.09185.24Tributary5340.01450-YEAR4006877.21889.24885.2889.680.0013265.37797.05233.38Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3435-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2600876.95887.43887.590.0007263.26797.85161.44Tributary5071.34350-YEAR4006876.95888.72888.90.0006273.381176.84383.73Tributary5071.343100-YEAR4689876.95889.65889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.95883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26883.69884.070.0020885.48369.8171.88Tributary4700.78510-YEAR2028876.26886.6887.130.0021145.83445.7180.1Tributary4700.7851	Tributary	5340.014	10-YEAR	2600	877.21	887.56	883.88	887.89	0.00124	4.62	562.34	100.24
Tributary 5340.014 50-YEAR 4006 877.21 889.24 885.2 889.68 0.001326 5.37 797.05 233.38 Tributary 5340.014 100-YEAR 4689 877.21 889.67 885.7 890.19 0.001441 5.83 911.56 296.61 Tributary 5071.343 2-YEAR 1210 876.95 884.52 884.68 0.001337 3.16 382.32 127.41 Tributary 5071.343 5-YEAR 2028 876.95 886.4 886.55 0.000813 3.17 640.68 147.32 Tributary 5071.343 10-YEAR 2600 876.95 887.43 887.59 0.000726 3.26 797.85 161.44 Tributary 5071.343 50-YEAR 4006 876.95 888.72 888.9 0.000627 3.38 1176.84 383.73 Tributary 5071.343 100-YEAR 4689 876.95 889.65 889.85 0.00062 3.71 155.457 434.12	Tributary	5340.014	25-YEAR	3536	877.21	888.8	884.81	889.2	0.001291	5.11	692.09	185.24
Tributary5340.014100-YEAR4689877.21889.67885.7890.190.0014415.83911.56296.61Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3435-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2000876.95887.43887.590.0007263.26797.85161.44Tributary5071.34325-YEAR3536876.95888.72888.90.0006273.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.95889.65889.850.000623.711554.57434.12Tributary5071.343100-YEAR4689876.26883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26885.6886.070.0020885.48369.8171.88Tributary4700.78510-YEAR200876.26886.6887.130.0021145.83445.7180.1Tributary4700.78510-YEAR200876.26886.6887.130.0021145.83445.7180.1Tributary4700.78550-YEAR3536876.2	Tributary	5340.014	50-YEAR	4006	877.21	889.24	885.2	889.68	0.001326	5.37	797.05	233.38
Tributary5071.3432-YEAR1210876.95884.52884.680.0013373.16382.32127.41Tributary5071.3435-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2600876.95887.43887.590.0007263.26797.85161.44Tributary5071.34325-YEAR3536876.95888.72888.90.0006273.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.95889.65889.850.000623.711554.57434.12Tributary5071.343100-YEAR4689876.95883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26885.6886.070.0020885.48369.8171.88Tributary4700.78510-YEAR200876.26886.6887.130.0021145.83445.7180.1Tributary4700.78550-YEAR3536876.26887.93888.490.0019066.1716.51328.31Tributary4700.78550-YEAR4006876.26888.46888.990.0017186.1903.32374.18Tributary4700.78550-YEAR4006876.26888	Tributary	5340.014	100-YEAR	4689	877.21	889.67	885.7	890.19	0.001441	5.83	911.56	296.61
Tributary5071.3435-YEAR2028876.95886.4886.550.0008133.17640.68147.32Tributary5071.34310-YEAR2600876.95887.43887.590.0007263.26797.85161.44Tributary5071.34325-YEAR3536876.95888.72888.90.0006273.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.95889.65889.850.000623.711554.57434.12Tributary5071.343100-YEAR4689876.95883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26885.6886.070.0020885.48369.8171.88Tributary4700.78510-YEAR2000876.26886.6887.130.0021145.83445.7180.1Tributary4700.78550-YEAR4006876.26887.93888.490.0019066.1716.51328.31Tributary4700.78550-YEAR4006876.26888.46889.990.0017186.1903.32374.18Tributary4700.78550-YEAR4006876.26888.48889.460.0017186.1903.32374.18Tributary4700.78550-YEAR4689876.2688	Tributary	5071.343	2-YEAR	1210	876.95	884.52		884.68	0.001337	3.16	382.32	127.41
Tributary5071.34310-YEAR2600876.95887.43887.590.0007263.26797.85161.44Tributary5071.34325-YEAR3536876.95888.72888.90.0006273.381176.84383.73Tributary5071.34350-YEAR4006876.95889.19889.370.0005973.471362.11409.36Tributary5071.343100-YEAR4689876.95889.65889.850.000623.711554.57434.12Tributary4700.7852-YEAR1210876.26883.69884.060.0019614.87248.5654.15Tributary4700.7855-YEAR2028876.26885.6886.070.0020885.48369.8171.88Tributary4700.78510-YEAR2600876.26886.6887.130.0021145.83445.7180.1Tributary4700.78550-YEAR3536876.26887.93888.490.0019066.1716.51328.31Tributary4700.78550-YEAR4006876.26888.46889.990.0017186.1903.32374.18Tributary4700.78510-YEAR4689876.26888.48889.460.0017186.461066.68404.22	Tributary	5071.343	5-YEAR	2028	876.95	886.4		886.55	0.000813	3.17	640.68	147.32
Indutary 50/1.343 25-YEAR 3536 8/6.95 888.72 888.9 0.000627 3.38 1176.84 383.73 Tributary 5071.343 50-YEAR 4006 876.95 889.19 889.37 0.000597 3.47 1362.11 409.36 Tributary 5071.343 100-YEAR 4689 876.95 889.65 889.85 0.000597 3.47 1362.11 409.36 Tributary 5071.343 100-YEAR 4689 876.95 889.65 889.85 0.00062 3.71 1554.57 434.12 Tributary 4700.785 2-YEAR 1210 876.26 883.69 884.06 0.001961 4.87 248.56 54.15 Tributary 4700.785 5-YEAR 2028 876.26 885.6 886.07 0.002088 5.48 369.81 71.88 Tributary 4700.785 10-YEAR 2600 876.26 886.6 887.13 0.002114 5.83 445.71 80.1 Tributary	Tributary	5071.343	10-YEAR	2600	876.95	887.43		887.59	0.000726	3.26	797.85	161.44
Tributary 50/1.343 50/1.343 50/1.343 50/1.343 50/1.343 100-YEAR 4000 876.95 889.19 889.37 0.00059/ 3.4/ 1362.11 409.36 Tributary 5071.343 100-YEAR 4689 876.95 889.65 889.85 0.00062 3.71 1554.57 434.12 Tributary 4700.785 2-YEAR 1210 876.26 883.69 884.06 0.001961 4.87 248.56 54.15 Tributary 4700.785 5-YEAR 2028 876.26 885.6 886.07 0.002088 5.48 369.81 71.88 Tributary 4700.785 10-YEAR 2600 876.26 886.6 887.13 0.002114 5.83 445.71 80.1 Tributary 4700.785 10-YEAR 2600 876.26 887.93 888.49 0.001906 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.46 888.99 0.001718 6.1 </td <td>I ributary</td> <td>50/1.343</td> <td>25-YEAR</td> <td>3536</td> <td>876.95</td> <td>888.72</td> <td></td> <td>888.9</td> <td>0.000627</td> <td>3.38</td> <td>11/6.84</td> <td>383.73</td>	I ributary	50/1.343	25-YEAR	3536	876.95	888.72		888.9	0.000627	3.38	11/6.84	383.73
Tributary 3071.343 100-TEAK 4069 676.95 669.05 889.85 0.00002 3.71 1554.57 434.12 Tributary 4700.785 2-YEAR 1210 876.26 883.69 884.06 0.001961 4.87 248.56 54.15 Tributary 4700.785 5-YEAR 2028 876.26 885.6 886.07 0.002088 5.48 369.81 71.88 Tributary 4700.785 10-YEAR 2600 876.26 886.6 887.13 0.002114 5.83 445.71 801 Tributary 4700.785 25-YEAR 3536 876.26 887.93 888.49 0.001706 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.46 888.99 0.001718 6.1 903.32 374.18 Tributary 4700.785 100-YEAR 4689 876.26 888.88 889.46 0.01781 6.46 1066.68 404.22	i ributary	5071.343		4006	876.95	889.19		889.37	0.000597	3.47	1362.11	409.36
Tributary 4700.785 2-YEAR 1210 876.26 883.69 884.06 0.001961 4.87 248.56 54.15 Tributary 4700.785 5-YEAR 2028 876.26 885.6 886.07 0.002088 5.48 369.81 71.88 Tributary 4700.785 10-YEAR 2600 876.26 886.6 887.13 0.002114 5.83 445.71 80.1 Tributary 4700.785 10-YEAR 2600 876.26 887.93 888.49 0.001906 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.46 888.99 0.001718 6.1 903.32 374.18 Tributary 4700.785 10-YEAR 4689 876.26 888.88 889.46 0.01781 6.46 1066.68 404.22	Tributary	5071.343	IUU-YEAR	4689	876.95	889.65		889.85	0.00062	3.71	1554.57	434.12
Tributary 4700.785 10-YEAR 2020 876.26 886.6 887.13 0.002114 5.83 349.81 71.88 Tributary 4700.785 10-YEAR 2600 876.26 886.6 887.13 0.002114 5.83 445.71 80.1 Tributary 4700.785 25-YEAR 3536 876.26 887.93 888.49 0.001906 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.46 888.99 0.001718 6.1 903.32 374.18 Tributary 4700.785 100-YEAR 4689 876.26 888.88 889.46 0.01781 6.46 1066.98 404.22	Tributory	4700.785		1210	876.26	883.69		884.06	0.001961	4.87	248.56	54.15
Tributary 4700.785 25-YEAR 3536 876.26 887.93 888.49 0.001906 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.49 0.001906 6.1 716.51 328.31 Tributary 4700.785 50-YEAR 4006 876.26 888.46 888.99 0.001718 6.1 903.32 374.18 Tributary 4700.785 100-YEAR 4689 876.26 888.48 889.46 0.01781 6.46 1066.68 404.22	Tributary	4100.105		2028	010.20 876.26	0.000		000.U/ 227 10	0.002088	5.48 5.92	309.81 AAE 74	/ 1.00 00 1
Tributary 4700.785 50-YEAR 4006 876.26 888.48 889.46 0.001718 6.1 903.32 374.18 Tributary 4700.785 100-YEAR 4689 876.26 888.48 889.46 0.01781 6.46 1066.68 404.22	Tributary	4700.705	25-YEAR	2000	876.26	2000		888 40	0.002114	0.03 6 1	716 51	328 31
Tributary 4700.785 100-YEAR 4689 876.26 888.88 889.46 0.001781 6.46 1066.98 404.22	Tributary	4700 785	50-YFAR	4006	876.26	888.46		888 99	0.001718	61	903.32	374 18
	Tributary	4700.785	100-YEAR	4689	876.26	888.88		889.46	0.001781	6.46	1066.98	404.22

Table C.14Wilson Creek Results for Improvement Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	4278.65	2-YEAR	1210	875.42	882.71	879.8	883.13	0.002447	5.21	232.12	63.1
Tributary	4278.65	5-YEAR	2028	875.42	884.59	881.52	885.11	0.002444	5.76	352.05	95.48
Tributary	4278.65	10-YEAR	2600	875.42	885.58	882.56	886.15	0.002501	6.09	427.14	116.38
Tributary	4278.65	25-YEAR	3536	875.42	886.92	883.73	887.56	0.002529	6.42	551.95	190.8
Tributary	4278.65	50-YEAR	4006	875.42 975.42	887.45	884.21	888.13	0.002385	6.6Z	615.01 1007.22	351.44
Tributary	4270.00		4009	070.42	000.17	004.03	000.09	0.001773	0.15	1097.33	430.49
Tributary	3421.743		2029	073.71	001.00		001.30	0.001694	4.01	202.0	56.49 79.15
Tributary	3421.745	10-YEAR	2020	873.71	884.03		884 52	0.001303	5.63	482.43	99.15
Tributary	3421.745	25-YEAR	3536	873 71	885.37		885.96	0.001418	6.25	635 18	128.37
Tributary	3421.745	50-YEAR	4006	873.71	885.95		886.58	0.001409	6.52	712.52	139.54
Tributary	3421.745	100-YEAR	4689	873.71	886.64		887.35	0.001444	6.95	813.45	153.39
Tributary	2994.294	2-YEAR	1210	872.68	880.37	876.95	880.7	0.001477	4.63	261.1	50.43
Tributary	2994.294	5-YEAR	2028	872.68	882.23	878.39	882.71	0.001794	5.53	366.86	63.17
Tributary	2994.294	10-YEAR	2600	872.68	883.24	879.25	883.79	0.001931	5.99	433.86	70.06
Tributary	2994.294	25-YEAR	3536	872.68	884.53	880.6	885.22	0.002129	6.67	530.15	80.66
Tributary	2994.294	50-YEAR	4006	872.68	885.07	881.17	885.83	0.002196	6.98	576.43	88.26
Tributary	2994.294	100-YEAR	4689	872.68	885.7	881.89	886.57	0.002287	7.49	634.04	120.51
Tributary	2439.681	2-YEAR	1210	872.69	879.01		879.54	0.003054	5.86	206.6	50.16
Tributary	2439.681	5-YEAR	2032	872.69	880.63		881.36	0.00327	6.9	294.53	58.66
Tributary	2439.681	10-YEAR	2605	872.69	881.5		882.37	0.003386	7.49	348.49	69.66
Tributary	2439.681	25-YEAR	3535	872.69	882.64		883.7	0.003453	8.31	453.4	115.02
i ributary	2439.681	DU-YEAR	4011	872.69	883.2		884.31	0.003369	8.55	523.72	135.27
Tributary	2439.681	100-YEAR	4679	872.69	883.95	070.45	885.08	0.003079	8.76	641.16	179.07
Tributary	2290.547	2-YEAR	1210	872.4	8/8./8	876.15	879.15	0.001801	4.92	245.75	224.63
Tributary	2290.547	3-1 EAR	2032	872.4 972.4	880.37	877.40 979.24	880.92 991 0	0.002097	6.01	303.24	395.78
Tributary	2290.047	25-VEAR	2000	872.4	882 50	870.24	883.2	0.002129	6.65	722.00	490.22
Tributary	2290.547	50-YEAR	4011	872.4	883 23	880.09	883.81	0.001735	6.66	842.08	595 43
Tributary	2290.547	100-YEAR	4679	872.4	884.04	880.88	884.61	0.001451	6.72	996.27	617.49
Tributary	1483.476	2-YEAR	1210	868.52	877.32		877.69	0.001816	4.89	252.14	71.57
Tributary	1483.476	5-YEAR	2032	868.52	879.34		879.67	0.001169	4.97	593.04	196.54
Tributary	1483.476	10-YEAR	2605	868.52	880.49		880.79	0.000925	4.91	835.37	221.56
Tributary	1483.476	25-YEAR	3535	868.52	882.06		882.32	0.000715	4.86	1190.51	231.65
Tributary	1483.476	50-YEAR	4011	868.52	882.76		883.02	0.000658	4.89	1354.26	236.06
Tributary	1483.476	100-YEAR	4679	868.52	883.63		883.89	0.000612	4.99	1562.06	241.55
Tributary	1052.839	2-YEAR	1210	868.24	876.64		876.98	0.001475	4.7	257.28	48.67
Tributary	1052.839	5-YEAR	2032	868.24	878.55		879.05	0.001709	5.68	358.03	56.82
Tributary	1052.839	10-YEAR	2605	868.24	879.62		880.22	0.001813	6.18	421.74	61.54
Tributary	1052.839	25-YEAR	3535	868.24	881.06		881.79	0.001972	6.86	515.04	68.31
Tributary	1052.839	50-YEAR	4011	868.24	881.7		882.5	0.00204	7.17	559.71	71.37
Tributary	1052.839	100-YEAR	4679	868.24	882.49		883.38	0.002046	7.59	617.09	75.13
Tributary	896.5909	Z-YEAR	1210	868.9	8/5./5		876.45	0.003953	0.69 7.65	180.78	42.97
Tributary	090.0909 906 5000	3-1 EAR	2032	000.9	077.00		070.40 970.62	0.003920	7.00	200.74	55.05
Tributary	896 5909	25-YEAR	2000	868 0	879.05		881 16	0.003003	0.1 g g	401.62	62 15
Tributary	896.5909	50-YEAR	4011	868.9	880 55		881 85	0.003942	9.12	439 76	64.9
Tributary	896.5909	100-YEAR	4679	868.9	881.31		882.73	0.003826	9.55	490.38	68.49
Tributary	833.9909	2-YEAR	1210	868.58	875.58	873.61	876.18	0.00318	6.22	194.64	43.73
Tributary	833.9909	5-YEAR	2032	868.58	877.38	875.13	878.19	0.003334	7.25	280.24	51.51
Tributary	833.9909	10-YEAR	2605	868.58	878.41	875.98	879.35	0.003355	7.75	336.02	56
Tributary	833.9909	25-YEAR	3535	868.58	879.76	877.18	880.89	0.003488	8.51	415.47	61.84
Tributary	833.9909	50-YEAR	4011	868.58	880.36	877.72	881.58	0.003454	8.86	453.35	64.85
Tributary	833.9909	100-YEAR	4679	868.58	881.12	878.42	882.47	0.003356	9.34	504.15	68.58
Tributary	807.9909		InI Struct								
Tributary	779.2909	2-YEAR	1219	868	873.46	871.38	873.93	0.002486	5.51	221.2	49.63
Tributary	779.2909	5-YEAR	2047	868	875.37	872.66	875.99	0.002394	6.36	321.87	56
Tributary	779.2909	10-YEAR	2623	868	876.44	873.42	877.17	0.002388	6.83	383.98	59.59
Tributary	//9.2909	25-YEAR	3557	868	877.89	874.52	878.77	0.002435	7.5	474.02	64.43
i ributary	770 2000	DU-YEAR	4037	868	878.53	8/5.02	879.49	0.002386	7.83	516.3	67.62
Tributon	696 7000	2 VEAD	4709	800	079.38	8/3./	070.43	0.002316	ö.25	140.07	12.08
Tributary	686 7000	Z-TEAK	1219	866 36	012.31		013.41 875 11	0.000079	0.18 0.77	148.97	31.13
Tributary	686 7000		2047	266.30	074.1 875 11		876 G	0.000430	9.27	220.8	44.07 <u>4</u> 0.01
Tributary	686 7909	25-YEAR	3557	866.36	876.43		878 17	0.006122	9.79 10.58	336.33	55.04
Tributary	686.7909	50-YEAR	4037	866.36	876.99		878 88	0.005921	11.02	368 11	58 15
Tributary	686.7909	100-YEAR	4709	866.36	877.74		879.81	0.005687	11.57	412.99	62.27

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
Tributary	466.027	2-YEAR	1219	864.6	870.99		871.97	0.006158	7.96	153.19	38.76
Tributary	466.027	5-YEAR	2047	864.6	872.93		874.09	0.005362	8.63	237.18	47.68
Tributary	466.027	10-YEAR	2623	864.6	874.06		875.29	0.004971	8.93	293.57	52.84
Tributary	466.027	25-YEAR	3557	864.6	875.54		876.93	0.004367	9.46	377.14	59.69
Tributary	466.027	50-YEAR	4037	864.6	876.19		877.67	0.004118	9.78	416.95	62.69
Tributary	466.027	100-YEAR	4709	864.6	877.03		878.64	0.003884	10.21	471.2	66.57
Tributary	125.6782	2-YEAR	1219	862.03	868.29	867.49	869.6	0.007725	9.18	132.77	30.61
Tributary	125.6782	5-YEAR	2047	862.03	870.14	869.24	871.86	0.007721	10.53	194.4	36.07
Tributary	125.6782	10-YEAR	2623	862.03	871.19	870.23	873.14	0.00772	11.22	233.82	39.29
Tributary	125.6782	25-YEAR	3557	862.03	872.63	871.63	874.9	0.00772	12.11	293.62	43.78
Tributary	125.6782	50-YEAR	4037	862.03	873.27	872.24	875.71	0.00773	12.51	322.64	45.81
Tributary	125.6782	100-YEAR	4709	862.03	874.08	873.09	876.73	0.00772	13.06	360.58	48.79

Table C.14Wilson Creek Results for Improvement Conditions