

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Division of Water Resource Management, Bureau of Watershed Management

NORTHWEST DISTRICT • PENSACOLA BAY BASIN

**Final TMDL Report**  
**Fecal Coliform TMDL for Bayou**  
**Chico Watershed,**  
**WBIDs 846, 846A, 846B, 846CB,**  
**and 848DA**

**Richard Wieckowicz, Ph.D., P.E.**  
**Katrina Sanders**  
**Erin Wilcox**  
**Ben Ralys**



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# Acknowledgments

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**For additional information on the watershed management approach and impaired waters in the Bayou Chico watershed, contact**

Mary Paulic

Florida Department of Environmental Protection  
Bureau of Watershed Management  
Watershed Planning and Coordination Section  
2600 Blair Stone Road, Mail Station 3565  
Tallahassee, FL 32399-2400

[mary.paulic@dep.state.fl.us](mailto:mary.paulic@dep.state.fl.us)

Phone: (850) 245-8560

Fax: (850) 245-8434

Richard Wieckowicz, Ph.D., P.E.

Florida Department of Environmental Protection  
Bureau of Watershed Management  
Watershed Assessment Section  
2600 Blair Stone Road, Mail Station 3565  
Tallahassee, FL 32399-2400

[richard.wieckowicz@dep.state.fl.us](mailto:richard.wieckowicz@dep.state.fl.us)

Phone: (850) 245-8468

Fax: (850) 245-8444

**Access to all data used in the development of this report can be obtained by contacting**

Katrina Sanders or Erin Wilcox

Florida Department of Environmental Protection  
Bureau of Watershed Management  
Watershed Assessment Section  
2600 Blair Stone Road, Mail Station 3555  
Tallahassee, FL 32399-2400

[katrina.sanders@dep.state.fl.us](mailto:katrina.sanders@dep.state.fl.us) or [erin.wilcox@dep.state.fl.us](mailto:erin.wilcox@dep.state.fl.us)

Phone: (850) 245-8471 or 245-8442

Fax: (850) 245-8444

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## Websites

### **Florida Department of Environmental Protection, Bureau of Watershed Management**

TMDL Program

<http://www.dep.state.fl.us/water/tmdl/index.htm>

Identification of Impaired Surface Waters Rule

<http://www.dep.state.fl.us/legal/Rules/shared/62-303/62-303.pdf>

STORET Program

<http://www.dep.state.fl.us/water/storet/index.htm>

2006 305(b) Report

[http://www.dep.state.fl.us/water/tmdl/docs/2006\\_Integrated\\_Report.pdf](http://www.dep.state.fl.us/water/tmdl/docs/2006_Integrated_Report.pdf)

Criteria for Surface Water Quality Classifications

<http://www.dep.state.fl.us/water/wqssp/classes.htm>

Basin Status Report: Pensacola Bay

[ftp://ftp.dep.state.fl.us/pub/water/basin411/pensacola/status/Pensacola\\_Bay.pdf](ftp://ftp.dep.state.fl.us/pub/water/basin411/pensacola/status/Pensacola_Bay.pdf)

Water Quality Assessment Report: Pensacola Bay

[ftp://ftp.dep.state.fl.us/pub/water/basin411/pensacola/assessment/Pensacola\\_Bay.pdf](ftp://ftp.dep.state.fl.us/pub/water/basin411/pensacola/assessment/Pensacola_Bay.pdf)

### **U.S. Environmental Protection Agency**

National STORET Program

<http://www.epa.gov/storet/>

Region 4: Total Maximum Daily Loads in Florida

<http://www.epa.gov/region4/water/tmdl/florida/>

# Chapter 1: INTRODUCTION

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## 1.1 Purpose of Report

This report presents the Total Maximum Daily Load (TMDL) for fecal coliform for the Bayou Chico Watershed in the Pensacola Bay Basin. Bayou Chico was verified as impaired for fecal coliform, and was included on the Verified List of impaired waters for the Pensacola Basin that was adopted by Secretarial Order in May 2006. The TMDL establishes the allowable loadings to Bayou Chico that would restore the waterbody so that it meets its applicable water quality criterion for fecal coliform.

## 1.2 Identification of Waterbody

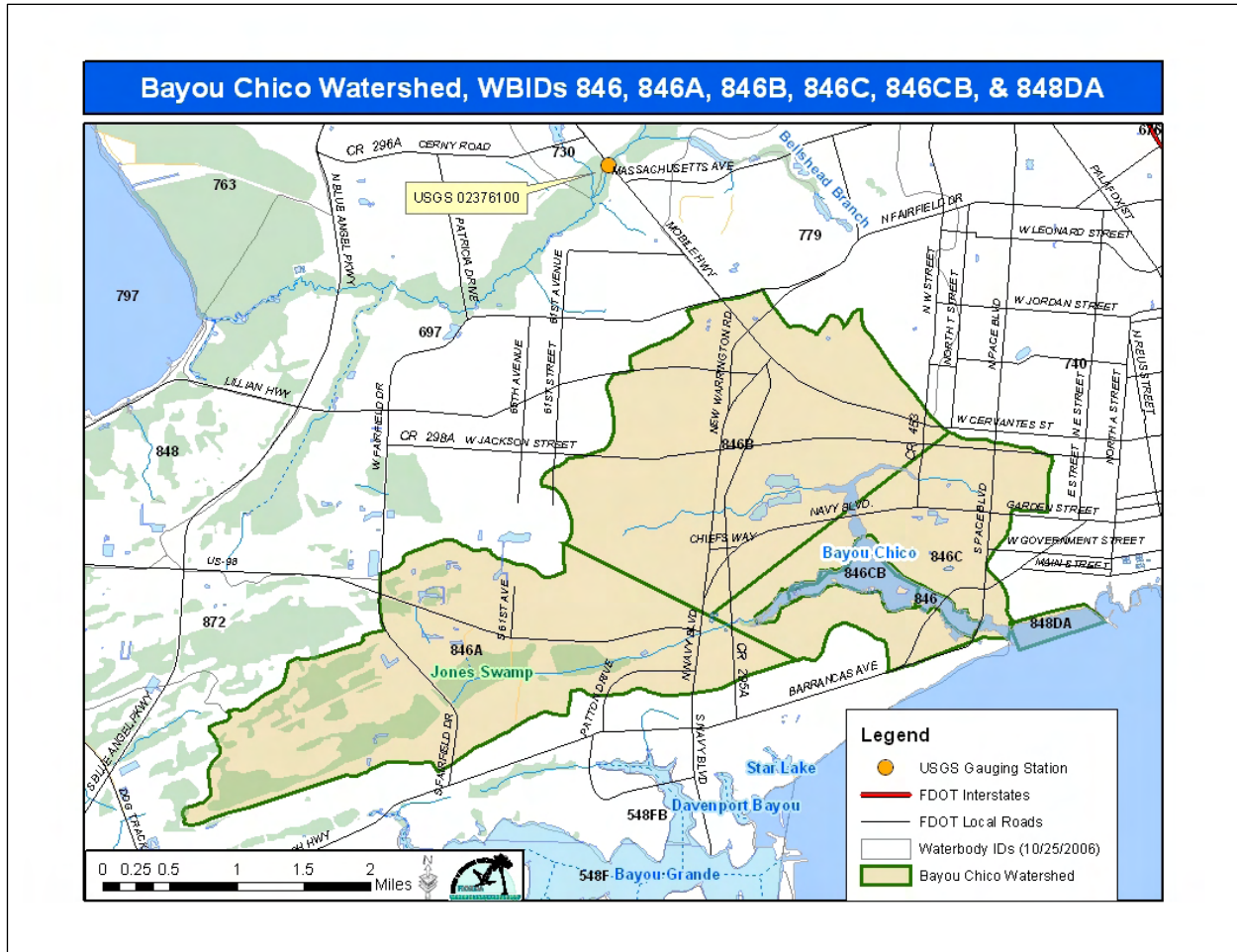
The Bayou Chico Watershed, located in Escambia County, has a 10.36-square-mile (mi<sup>2</sup>) drainage area. The watershed is located in the southern end of Escambia County, just east of Blue Angel Parkway and north of Bayou Grande. It contains Bayou Chico, which discharges directly to Pensacola Bay, as well as Bayou Chico Drain, Bayou Chico Beach, Sanders Beach, and Jones Creek and Jackson Creek, which flow into Bayou Chico (**Figure 1.1**). The Bayou Chico Watershed has a water surface area of approximately 0.39 square miles. The major center of population in the watershed is Pensacola, a city of 54,055 people (U.S. Census Bureau, 2005). Additional information about the watershed's hydrology and geology are available in the Basin Status Report for the Pensacola Bay Basin (Florida Department of Environmental Protection [Department], 2004).

For assessment purposes, the Department has divided the Pensacola Basin into water assessment polygons with a unique **waterbody identification** (WBID) number for each watershed or stream reach. The Bayou Chico Watershed has been divided into six segments, as shown in **Figure 1.2**, and this TMDL addresses potential sources of bacteria in five of these segments: Bayou Chico (WBID 846), Jones Creek (WBID 846A), Jackson Creek (WBID 846B), Bayou Chico Beach (WBID 846CB), and Sanders Beach (WBID 848DA). The sixth segment, Bayou Chico Drain (WBID 846C), is not listed as impaired.

Figure 1.1. Bayou Chico Watershed in Florida, and Major Geopolitical Features



Figure 1.2. Bayou Chico Watershed, WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA



### 1.3 Background

This report was developed as part of the Department’s watershed management approach for restoring and protecting state waters and addressing TMDL Program requirements. The watershed approach, which is implemented using a cyclical management process that rotates through the state’s 52 river basins over a 5-year cycle, provides a framework for implementing the TMDL Program–related requirements of the 1972 federal Clean Water Act and the 1999 Florida Watershed Restoration Act (FWRA) (Chapter 99-223, Laws of Florida) (also see **Appendix A** for background information on the federal and state stormwater programs).

A TMDL represents the maximum amount of a given pollutant that a waterbody can assimilate and still meet water quality standards, including its applicable water quality criteria and its designated uses. TMDLs are developed for waterbodies that are verified as not meeting their

water quality standards. They provide important water quality restoration goals that will guide restoration activities.

This TMDL Report will be followed by the development and implementation of a Basin Management Action Plan, or BMAP, to reduce the amount of fecal coliform that caused the verified impairment of the Bayou Chico Watershed. These activities will depend heavily on the active participation of the Northwest Water Management District (NFWWMD), local governments, businesses, and other stakeholders. The Department will work with these organizations and individuals to undertake or continue reductions in the discharge of pollutants and achieve the established TMDLs for impaired waterbodies.

## Chapter 2: DESCRIPTION OF WATER QUALITY

### PROBLEM

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#### 2.1 Statutory Requirements and Rulemaking History

Section 303(d) of the federal Clean Water Act requires states to submit to the U.S. Environmental Protection Agency (EPA) a list of surface waters that do not meet applicable water quality standards (impaired waters) and establish a TMDL for each pollutant causing impairment of listed waters on a schedule. The Department has developed such lists, commonly referred to as 303(d) lists, since 1992. The list of impaired waters in each basin, referred to as the Verified List, is also required by the FWRA (Subsection 403.067[4], Florida Statutes [F.S.]), and the state's 303(d) list is amended annually to include basin updates.

Florida's 1998 303(d) list included 19 waterbodies in the Pensacola Bay Basin. However, the FWRA (Section 403.067, F.S.) stated that all previous Florida 303(d) lists were for planning purposes only and directed the Department to develop, and adopt by rule, a new science-based methodology to identify impaired waters. After a long rulemaking process, the Environmental Regulation Commission adopted the new methodology as Rule 62-303, Florida Administrative Code (F.A.C.) (Identification of Impaired Surface Waters Rule, or IWR), in April 2001; the rule was updated in 2006.

#### 2.2 Information on Verified Impairment

The Department used the IWR to assess water quality impairments in the Pensacola Bay Basin and has verified the impairments listed in **Table 2.1**. **Table 2.2** provides selected assessment results for fecal coliform within the verification period, which was January 1, 1998 through June 30, 2005, for each waterbody segment in the Bayou Chico Watershed. Five of the six waterbody segments in the watershed have been verified impaired for fecal coliform: Bayou Chico (WBID 846), Jones Creek (WBID 846A), Jackson Creek (WBID 846B), Bayou Chico Beach (WBID 846CB), and Sanders Beach (WBID 848DA). These waterbody segments, along with Bayou Chico Drain (WBID 846C), comprise the Bayou Chico Watershed. This TMDL addresses the fecal coliform impairment in the watershed as a whole.

A total of 965 fecal coliform samples was collected within the verified period, but only 920 of those could be used to calculate the Bayou Chico Watershed TMDL, since 45 occurred on days without corresponding U.S. Geological Survey (USGS) flow measurements. The samples used in the TMDL calculation range from 0 to 25,000 counts per 100 milliliters (counts/100mL), while the 45 samples that could not be used range from 8 to 880 counts/100mL. Values of zero were changed to one for the purposes of TMDL calculation.

Samples were collected in all months of the year, and exceedances occurred in each of the months. There were at least 64 samples collected during each month, with the greatest number of samples (105) collected in March and December. The number of exceedances ranges from 4 in January, to 35 in September. Greater than 50 percent exceedances occurred in all months except January, February, and March.



Table 2.1. Verified Impaired Segments in the Pensacola Bay Basin

WBID	Waterbody Segment	Parameters Identified Using the IWR	Priority for TMDL Development	Projected Year for TMDL Development
548A	Escambia Bay (N)	Nutrients (Historical Chlorophyll)	High	2006
846	Bayou Chico	Fecal Coliform	High	2006
676	Carpenter Creek	Fecal Coliform	Low	2011
738	Texar Bayou	Fecal Coliform	Low	2011
846A	Jones Creek	Fecal Coliform	Low	2011
846B	Jackson Creek	Dissolved Oxygen and Fecal Coliform	Low	2011
8999	Gulf Coast	Mercury (in fish tissue)	Low	2011
548AB	Floridatown Park	Nutrients (Chlorophyll)	Medium	2012
548BB	Bay Bluffs Park	Bacteria	Medium	2012
548FB	Navy Point	Bacteria and Fecal Coliform	Medium	2012
548H	East Bay	Nutrients (Historical Chlorophyll)	Medium	2012
738AB	Bayview Park Pier	Bacteria and Fecal Coliform	Medium	2012
846CB	Bayou Chico Beach	Bacteria, Nutrients (Chlorophyll), and Fecal Coliform	Medium	2012
848DA	Sanders Beach	Bacteria and Fecal Coliform	Medium	2012
915	Santa Rosa Sound	Fecal Coliform (Shellfish Harvesting)	Medium	2012
915A	Woodlawn Beach	Bacteria	Medium	2012
915B	Navarre Park Hwy. 98	Bacteria	Medium	2012
915C	Liza Jackson Park	Bacteria	Medium	2012
915D	Marler Park	Bacteria	Medium	2012

**Note:** The parameters listed in **Table 2.1** provide a complete picture of the impairments in the Pensacola Basin, but this TMDL only addresses non-nutrient impairment in the Bayou Chico Watershed.



Table 2.2. Summary of Fecal Coliform Data

WBID	Station Number	Date	Time	Result (cfu/100mL)
846CB	21FLA 33020JD4	1/13/1998	1010	630
846CB	21FLA 33020JD4	1/20/1998	850	193
846CB	21FLA 33020JD4	1/27/1998	1008	110
846CB	21FLA 33020JD4	2/3/1998	1020	510
846CB	21FLA 33020JD4	2/10/1998	1128	40
846CB	21FLA 33020JD4	2/17/1998	955	132
846CB	21FLA 33020JD4	2/24/1998	949	44
846CB	21FLA 33020JD4	3/3/1998	1040	100
846CB	21FLA 33020JD4	3/10/1998	1017	400
846CB	21FLPNS 33020JD4	3/10/1998	1017	400
846A	21FLBFA 33020118	3/15/1998	912	40
846B	21FLBFA 33020136	3/15/1998	920	100
846	21FLBFA 3302JE20	3/15/1998	930	140
846CB	21FLA 33020JD4	3/17/1998	920	100
846CB	21FLA 33020JD4	3/24/1998	947	60
846CB	21FLA 33020JD4	3/31/1998	918	36
846CB	21FLA 33020JD4	4/7/1998	835	44
846CB	21FLA 33020JD4	4/14/1998	830	52
846CB	21FLA 33020JD4	4/21/1998	920	60
846CB	21FLA 33020JD4	4/28/1998	1240	160
846CB	21FLA 33020JD4	5/5/1998	900	70
846CB	21FLA 33020JD4	5/12/1998	910	70
846CB	21FLA 33020JD4	5/19/1998	909	200
846CB	21FLA 33020JD4	5/26/1998	1008	128
846CB	21FLA 33020JD4	6/2/1998	934	8
846CB	21FLA 33020JD4	6/9/1998	945	24
846CB	21FLA 33020JD4	6/16/1998	959	10
846CB	21FLPNS 33020JD4	6/16/1998	959	10
846A	21FLBFA 33020118	6/22/1998	1205	10
846B	21FLBFA 33020136	6/22/1998	1215	10
846	21FLBFA 3302JE20	6/22/1998	1226	360
846CB	21FLPNS 33020JD4	6/23/1998	942	210
846CB	21FLA 33020JD4	6/30/1998	934	10
846CB	21FLA 33020JD4	7/7/1998	935	180
846CB	21FLA 33020JD4	7/14/1998	730	20
846CB	21FLA 33020JD4	7/21/1998	1423	20
846CB	21FLA 33020JD4	7/28/1998	854	20
846CB	21FLA 33020JD4	8/4/1998	926	740
846CB	21FLA 33020JD4	8/11/1998	923	20
846CB	21FLA 33020JD4	8/18/1998	855	880
846CB	21FLA 33020JD4	8/25/1998	958	20
846CB	21FLA 33020JD4	9/1/1998	1341	20

WBID	Station Number	Date	Time	Result (cfu/100mL)
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>9/8/1998</b>	<b>947</b>	<b>730</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>9/15/1998</b>	<b>1405</b>	<b>20</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>9/22/1998</b>	<b>843</b>	<b>40</b>
846CB	21FLA 33020JD4	10/6/1998	1320	220
846A	21FLBFA 33020118	10/6/1998	1125	400
846B	21FLBFA 33020136	10/6/1998	1114	930
846	21FLBFA 3302JE20	10/6/1998	1144	280
846CB	21FLPNS 33020JD4	10/6/1998	1320	220
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>10/13/1998</b>	<b>913</b>	<b>100</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>10/20/1998</b>	<b>916</b>	<b>200</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>10/27/1998</b>	<b>830</b>	<b>40</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>11/3/1998</b>	<b>1047</b>	<b>3,500</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>11/9/1998</b>	<b>1015</b>	<b>280</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>11/17/1998</b>	<b>933</b>	<b>400</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>11/23/1998</b>	<b>1050</b>	<b>4,600</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>12/1/1998</b>	<b>955</b>	<b>920</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>12/8/1998</b>	<b>1015</b>	<b>300</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>12/15/1998</b>	<b>1000</b>	<b>240</b>
846A	21FLBFA 33020118	12/20/1998	1105	140
846B	21FLBFA 33020136	12/20/1998	1115	220
846	21FLBFA 3302JE20	12/20/1998	1128	20
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>12/21/1998</b>	<b>1500</b>	<b>160</b>
<b>846CB</b>	<b>21FLA 33020JD4</b>	<b>12/29/1998</b>	<b>935</b>	<b>300</b>

**Notes:** The table includes an example of data within the verified period for the Group 4 basins (January 1, 1998 – June 30, 2005), obtained from the Department's IWR Run 25 and the Florida Department of Health (FDOH). **Appendix G** contains a complete table of all existing data.

Bold type indicates the presence of more than one sample on that date at that particular location. In these cases, an average of the data was used as the coliform concentration for that date.

# Chapter 3. DESCRIPTION OF APPLICABLE WATER QUALITY STANDARDS AND TARGETS

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## 3.1 Classification of the Waterbody and Criteria Applicable to the TMDL

Florida's surface waters are protected for five designated use classifications, as follows:

<b>Class I</b>	<b>Potable water supplies</b>
<b>Class II</b>	<b>Shellfish propagation or harvesting</b>
<b>Class III</b>	<b>Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife</b>
<b>Class IV</b>	<b>Agricultural water supplies</b>
<b>Class V</b>	<b>Navigation, utility, and industrial use (there are no state waters currently in this class)</b>

The Bayou Chico Watershed consists of two Class III fresh waterbodies (Jones Creek and Jackson Creek) and four Class III marine waterbodies (Bayou Chico, Bayou Chico Drain, Bayou Chico Beach, and Sanders Beach). The Class III waterbodies have a designated use of recreation, propagation, and the maintenance of a healthy, well-balanced population of fish and wildlife. The water quality criterion applicable to the impairment addressed by this TMDL is the Class III criterion for fecal coliform.

## 3.2 Applicable Water Quality Standards and Numeric Water Quality Target

Numeric criteria for bacterial quality are expressed in terms of fecal coliform bacteria concentrations. The water quality criterion for the protection of Class III waters, as established by Rule 62-302, F.A.C., states the following:

***Fecal Coliform Bacteria:***

*The most probable number (MPN) or membrane filter (MF) counts per 100 mL of fecal coliform bacteria shall not exceed a monthly average of 200, nor exceed 400 in 10 percent of the samples, nor exceed 800 on any one day.*

The criterion states that monthly averages shall be expressed as geometric means based on a minimum of 10 samples taken over a 30-day period. However, during the development of load curves for the impaired streams (as described in subsequent sections), there were insufficient data (fewer than 10 samples in a given month) available to evaluate the geometric mean criterion for fecal coliform bacteria. Therefore, the criterion selected for the TMDL was not to exceed 400 in 10 percent of the samples.

# Chapter 4: ASSESSMENT OF SOURCES

---

## 4.1 Types of Sources

An important part of the TMDL analysis is the identification of pollutant source categories, source subcategories, or individual sources of nutrients in the watershed and the amount of pollutant loading contributed by each of these sources. Sources are broadly classified as either “point sources” or “nonpoint sources.” Historically, the term “point sources” has meant discharges to surface waters that typically have a continuous flow via a discernable, confined, and discrete conveyance, such as a pipe. Domestic and industrial wastewater treatment facilities (WWTFs) are examples of traditional point sources. In contrast, the term “nonpoint sources” was used to describe intermittent, rainfall-driven, diffuse sources of pollution associated with everyday human activities, including runoff from urban land uses, agriculture, silviculture, and mining; discharges from failing septic systems; and atmospheric deposition.

However, the 1987 amendments to the Clean Water Act redefined certain nonpoint sources of pollution as point sources subject to regulation under the EPA’s National Pollutant Discharge Elimination System (NPDES) Program. These nonpoint sources included certain urban stormwater discharges, including those from local government master drainage systems, construction sites over five acres, and a wide variety of industries (see **Appendix A** for background information on the federal and state stormwater programs).

To be consistent with Clean Water Act definitions, the term “point source” will be used to describe traditional point sources (such as domestic and industrial wastewater discharges) **AND** stormwater systems requiring an NPDES stormwater permit when allocating pollutant load reductions required by a TMDL (see **Section 6.1**). However, the methodologies used to estimate nonpoint source loads do not distinguish between NPDES stormwater discharges and non-NPDES stormwater discharges, and as such, this source assessment section does not make any distinction between the two types of stormwater.

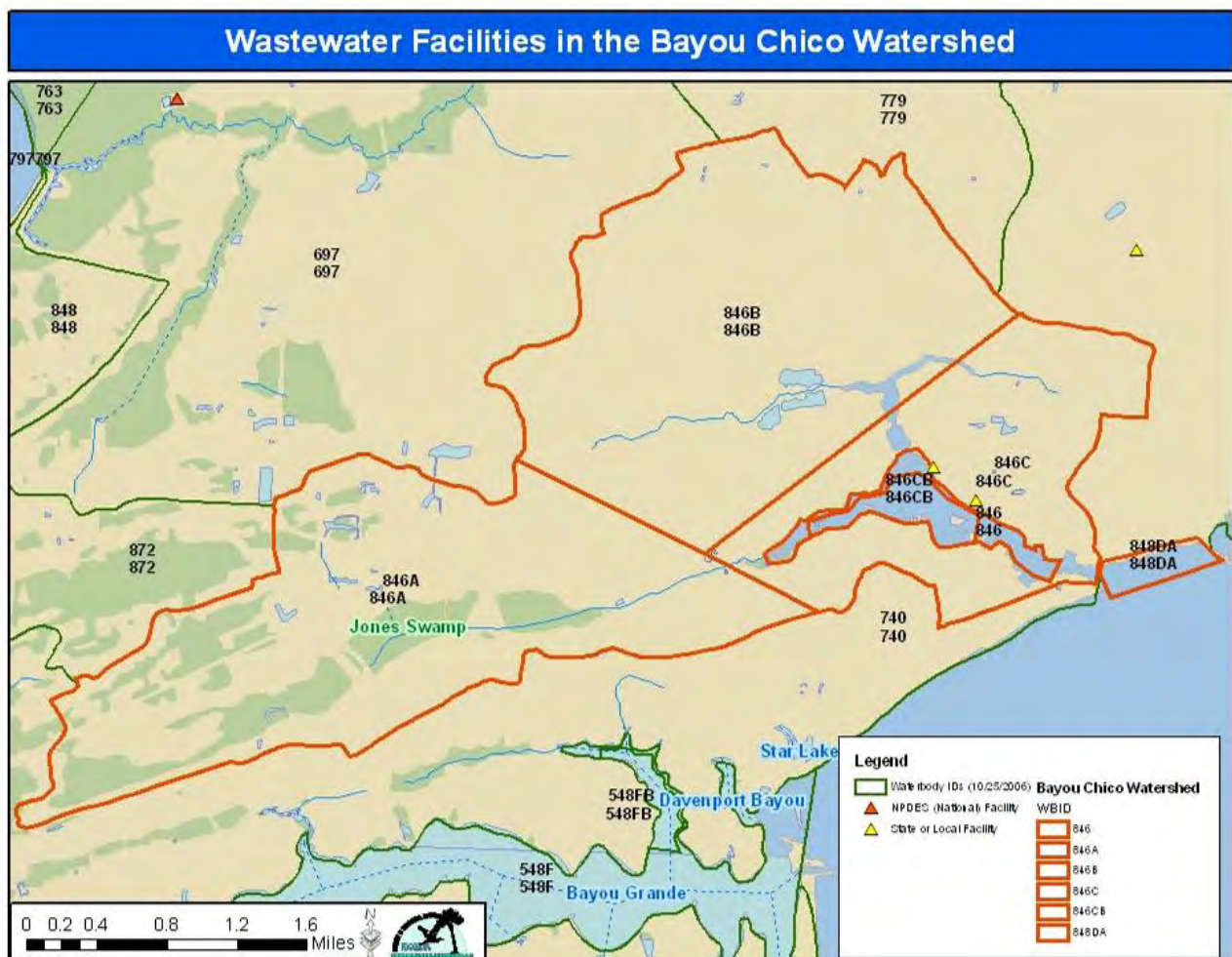
## 4.2 Potential Sources of Coliform in the Bayou Chico Watershed

### 4.2.1 Point Sources

There are currently no facilities with a permit to discharge wastewater in the Bayou Chico Watershed (**Figure 4.1**). However, historically at least eight (Pratt, 1993) wastewater treatment facilities discharged to the watershed. Domestic waste facilities included Moreno Courts, with a design flow of 0.21 million gallons per day (mgd) discharging to Jones Swamp Creek; the Warrington Sewage Treatment Plant (STP), with a design flow of 2.0 mgd discharging to Jones Swamp Creek; and the Pen Haven STP, with a design flow of 0.3 mgd discharging to the northwest arm of Bayou Chico (Kobylinski, 1980). Moreno Courts was diverted to percolation and evaporation ponds in April 1980, and then tied into the Escambia County Utilities Authority (now Emerald Coast Utilities Authority, or ECUA), and eventually became inactive in 2004. In addition, the Corry Field STP was diverted to the Warrington STP around 1971. Later, the Warrington STP was diverted to ECUA in November 1990.

Industrial facilities formerly in the watershed included Newport Division of Tenneco Chemical, Inc. (now Reichhold Chemicals, Inc.; previously Newport Industries), Armstrong Cork Company (now Armstrong World Industries, Inc.), Ashland Chemical Company, American Creosote, and Weis-Fricker. According to the NFWFMD review of the Department's files (Pratt et al., 1993), little permitting information was available regarding the industrial facilities in the Bayou Chico area, with most of the available information dealing with the remediation of ground water contamination. It appeared that industrial discharges were diverted from the bayou around 1971. It is a significant fact that there was considerable ground water pumpage in the area after 1915. Newport Industries pumped about 9 mgd in 1939 and lesser amounts after. However, 7 of 13 wells were abandoned due to saltwater intrusion. The large amount of solids deposited by domestic and industrial facilities and stormwater runoff prompted the NFWFMD to perform a sediment study of metals in Bayou Chico (Wood and Bartel, 1994).

Figure 4.1. Wastewater Facilities in the Bayou Chico Watershed



## Municipal Separate Storm Sewer System Permittees

Within the Pensacola Bay Basin, the stormwater collection systems owned and operated by co-permittees Escambia County, city of Pensacola, town of Century, and Florida Department of Transportation (FDOT) District 3 in Escambia County are covered by an NPDES municipal separate storm sewer system (MS4) permit (FLS000019). Several other local governments in the basin have also applied for coverage under the Phase 2 NPDES MS4 permit. These include Santa Rosa County, Milton, Gulf Breeze, and FDOT in Santa Rosa County (Jozwiak, 2007).

### 4.2.2 Land Uses and Nonpoint Sources

Additional fecal coliform loadings to the Bayou Chico Watershed are generated from nonpoint sources in the watershed. Potential nonpoint sources of coliform include loadings from surface runoff, wildlife, livestock, pets, and leaking septic tanks.

#### Land Uses

The spatial distribution and acreage of different land use categories were identified using the 1995 NFWMD land use coverage (scale 1:40,000) contained in the Department's geographic information system (GIS) library. Land use categories in the watershed were aggregated using the simplified Level 1 codes tabulated in **Table 4.1**. **Figures 4.2a** through **4.2d** show the acreage of the principal land uses in the watershed (Level 2 is used in the figures to present the watershed's land use in more detail than the Level 1 tables). As shown in **Table 4.2**, land use in the Bayou Chico Watershed is heavily dominated by urban and built-up area, which comprises 61.58 percent of the entire watershed. Other non-natural land uses in the watershed include transportation, communication and utilities (9.35 percent) and agriculture (1.16 percent).

Table 4.1. Classification of Land Use Categories in the Bayou Chico Watershed

Level 1 Code	Land Use	Acreage	Mi <sup>2</sup>	% of Watershed
<b>Bayou Chico, WBID 846</b>				
1000	Urban and Built-up	10.31	0.0161	10.97
2000	Agriculture	0.04	0.0001	0.04
3000	Rangeland	0	0.0000	0.00
4000	Upland Forests	0.14	0.0002	0.15
5000	Water	79.66	0.1245	84.74
6000	Wetlands	2.84	0.0044	3.02
7000	Barren Land	0	0.0000	0.00
8000	Transportation, Communication, and Utilities	1.02	0.0016	1.08
	<b>TOTAL:</b>	<b>94.01</b>	<b>0.1469</b>	<b>100.00</b>



Level 1 Code	Land Use	Acreeage	Mi <sup>2</sup>	% of Watershed
<b>Jones Creek, WBID 846A</b>				
1000	Urban and Built-up	1,003.52	1.5679	37.78
2000	Agriculture	12.22	0.0191	0.46
3000	Rangeland	227.67	0.3557	8.57
4000	Upland Forests	370.71	0.5792	13.95
5000	Water	18.69	0.0292	0.70
6000	Wetlands	747.37	1.1678	28.13
7000	Barren Land	11.47	0.0179	0.43
8000	Transportation, Communication, and Utilities	264.88	0.4139	9.97
<b>TOTAL:</b>		<b>2,656.53</b>	<b>4.1507</b>	<b>100.00</b>
<b>Jackson Creek, WBID 846B</b>				
1000	Urban and Built-up	2,116.98	3.3078	79.88
2000	Agriculture	23.24	0.0363	0.88
3000	Rangeland	31.31	0.0489	1.18
4000	Upland Forests	176.20	0.2753	6.65
5000	Water	21.34	0.0333	0.81
6000	Wetlands	19.60	0.0306	0.74
7000	Barren Land	0.00	0.0000	0.00
8000	Transportation, Communication, and Utilities	261.61	0.4088	9.87
<b>TOTAL:</b>		<b>2,650.28</b>	<b>4.1411</b>	<b>100.00</b>
<b>Bayou Chico Drain, WBID 846C</b>				
1000	Urban and Built-up	1,066.86	1.6669	80.96
2000	Agriculture	43.55	0.0681	3.30
3000	Rangeland	15.45	0.0241	1.17
4000	Upland Forests	33.06	0.0517	2.51
5000	Water	33.81	0.0528	2.57
6000	Wetlands	7.79	0.0122	0.59
7000	Barren Land	5.45	0.0085	0.41
8000	Transportation, Communication, and Utilities	111.80	0.1747	8.48
<b>TOTAL:</b>		<b>1,317.77</b>	<b>2.0590</b>	<b>100.00</b>

Level 1 Code	Land Use	Acreege	Mi <sup>2</sup>	% of Watershed
<b>Bayou Chico Beach, WBID 846CB</b>				
1000	Urban and Built-up	8.36	0.0131	7.63
2000	Agriculture	0.00	0.0000	0.00
3000	Rangeland	2.25	0.0035	2.05
4000	Upland Forests	0.00	0.0000	0.00
5000	Water	98.95	0.1546	90.32
6000	Wetlands	0.00	0.0000	0.00
7000	Barren Land	0.00	0.0000	0.00
8000	Transportation, Communication, and Utilities	0.00	0.0000	0.00
<b>TOTAL:</b>		<b>109.56</b>	<b>0.1712</b>	<b>100.00</b>
<b>Sanders Beach, WBID 848DA</b>				
1000	Urban and Built-up	5.63	0.0088	50.45
2000	Agriculture	0.00	0.0000	0.00
3000	Rangeland	0.00	0.0000	0.00
4000	Upland Forests	0.00	0.0000	0.00
5000	Water	0.00	0.0000	0.00
6000	Wetlands	0.00	0.0000	0.00
7000	Barren Land	5.53	0.0086	49.55
8000	Transportation, Communication, and Utilities	0.00	0.0000	0.00
<b>TOTAL:</b>		<b>11.16</b>	<b>0.0174</b>	<b>100.00</b>
<b>Bayou Chico Watershed (total of all 6 WBIDs)</b>				
1000	Urban and Built-up	4,211.66	6.5806	61.58
2000	Agriculture	79.05	0.1235	1.16
3000	Rangeland	276.68	0.4323	4.05
4000	Upland Forests	580.11	0.9064	8.48
5000	Water	252.45	0.3944	3.69
6000	Wetlands	777.60	1.2150	11.37
7000	Barren Land	22.45	0.0351	0.33
8000	Transportation, Communication, and Utilities	639.31	0.9989	9.35
<b>TOTAL:</b>		<b>6,839.31</b>	<b>10.6863</b>	<b>100.00</b>





Figure 4.2b. Principal Land Uses in the Bayou Chico Watershed, WBIDs 846, 846C, 846CB, and 848DA

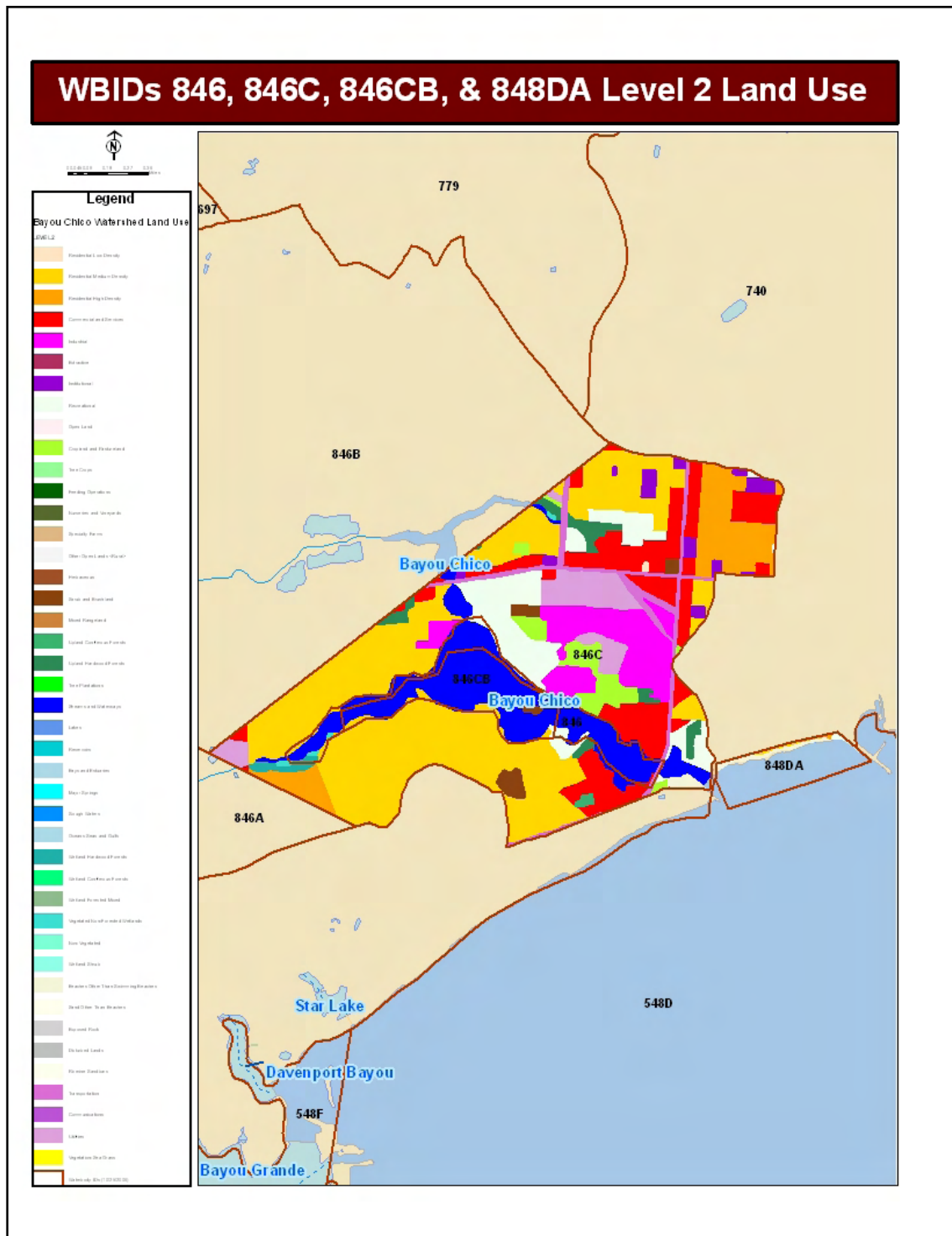
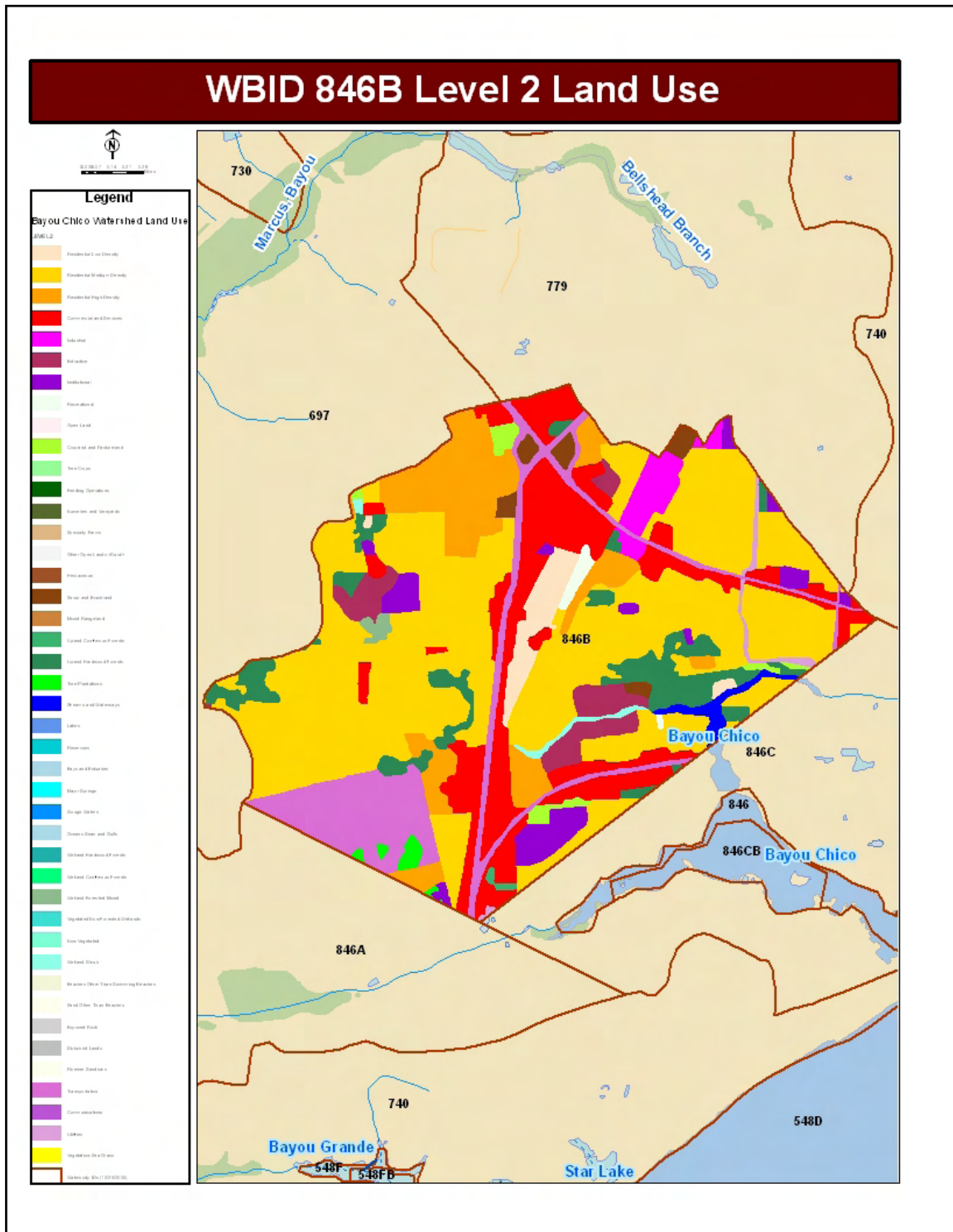




Figure 4.2d. Principal Land Uses in the Bayou Chico Watershed, WBID 846B

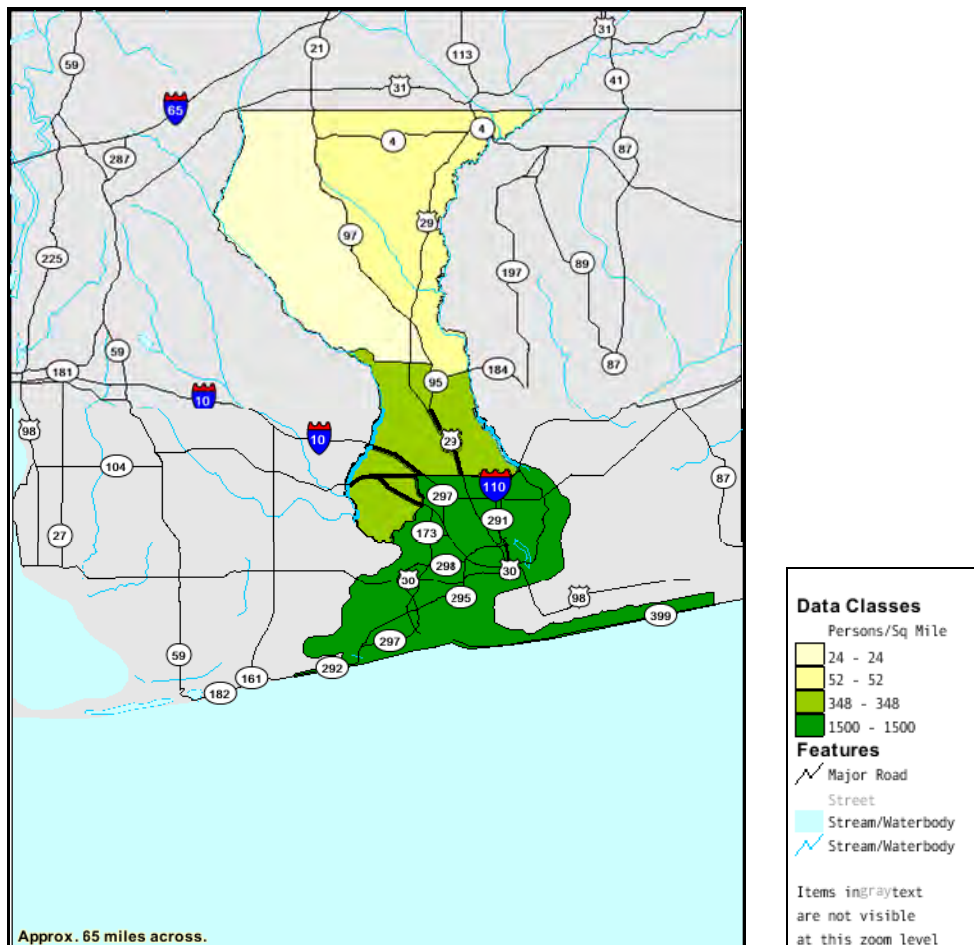




## Population

According to the U.S. Census Bureau, the population density in and around the Bayou Chico Watershed in the year 2000 was at or less than 1,579.2 people/mi<sup>2</sup> (10 persons/mi<sup>2</sup> is the minimum used by the Census Bureau) (**Figure 4.3**). The Bureau reports that in Escambia County, which includes (but is not exclusive to) WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA, the total population for 2000 was 294,410, with 111,049 occupied housing units and 124,647 total housing units. For all of Escambia County, the Census Bureau reported a housing density of 180.09 housing units per square mile, placing Escambia County among the highest in housing densities in Florida (U.S. Census Bureau Website, 2004). This is also supported by land use coverage showing that 61.58 percent of land use in the Bayou Chico Watershed is dedicated to residences.

Figure 4.3. Population Density in Escambia County, Florida, in 2000



Source: U.S. Census Bureau, 2008.

## Septic Tanks

On-site sewage treatment and disposal systems (OSTDS's), including septic tanks, are commonly used where providing central sewer is not cost-effective or practical. When properly sited, designed, constructed, maintained, and operated, OSTDS's are a safe means of disposing of domestic waste. The effluent from a well-functioning OSTDS is comparable to secondarily treated wastewater from a sewage treatment plant. When not functioning properly, OSTDS's can be a source of coliforms, pathogens, and other pollutants to both ground water and surface water.

As of 2005, Escambia County had roughly 67,761 septic systems (FDOH Website, 2007). Data for septic tanks are based on 1970 to 2005 Census results, with year-by-year additions based on new septic tank construction. The data do not reflect septic tanks that have been removed going back to 1970. From fiscal years 1993 to 2005, 9,572 permits for repairs were issued (FDOH Website, 2007). Based on the number of permitted septic tanks and housing units located in the county, approximately 45.64 percent of the housing units are connected to a wastewater treatment facility, with the remaining 54.36 percent (67,671/124,647) using septic tank systems.

The Bayou Chico Watershed comprises 10.36 mi<sup>2</sup>, or approximately 1.50 percent of the land area of Escambia County (692.13 mi<sup>2</sup>). The number of septic tanks in the watershed is not known, but using the ratio of Level 1 urban and built-up land use in the watershed to that in Escambia County (0.057319), the number of septic tanks is estimated to be 3,884. Using these numbers (FDOH Website, 2007) and 70 gallons/day/person (EPA, 2001), a loading of 1.3378E+12 colonies/day is derived. These estimations, as shown in **Table 4.2**, constitute 5.22 percent of the total load to the Bayou Chico Watershed.

Table 4.2. Estimation of Coliform Loading from Failed Septic Tanks in the Bayou Chico Watershed

Estimated Population Density and Area	Estimated Number of Septic Tanks in Area	Estimated Number of Tank Failures	Estimated Concentration from Failed Tanks (cfu/100mL)	Gallons/ Person/ Day	Estimated Number of People per Household	Estimated Load from Failing Tanks (cfu/day)
Standard Loading	1.0	1.0	1.000E+06	70	2.6	6.890E+09
Bayou Chico Watershed	3,884	194.0	1.000E+06	70	2.6	1.3378E+12
Escambia County	67,761	3,388.1	1.000E+06	70	2.6	2.334E+13

## Livestock

Another potential nonpoint source of coliforms includes livestock and other agricultural animals. **Table 4.3a** summarizes cattle populations in Escambia County from 1997 to 2006, and **Table 4.3b** summarizes populations of other agricultural animals in the county in 2002. Escambia County ranked as the 37<sup>th</sup> highest county in the state in terms of the total number of cattle and calves and beef cows. Approximately 1.16 percent of the Bayou Chico Watershed is specifically

categorized as agriculture Level 1 land use. **Appendix B** contains a summary of the loads from all the livestock, which is 2.3819E+12 colonies/day, or 9.29 percent of the total to the Bayou Chico Watershed.

Table 4.3a. Summary of Cattle Population in Escambia County, 1997–2006

Year	Number of Milk Cows	Number of Cattle and Calves	Number of Beef Cows
1997	1,700	9,000	3,000
1998	1,600	8,500	3,500
1999	1,400	8,000	3,000
2000	1,600	8,000	3,000
2001	1,300	8,000	3,000
2002	1,200	8,000	3,500
2003	800	9,000	4,000
2004	1,000	9,000	3,500
2005	900	10,000	3,500
2006	400	9,000	3,500

**Source:** Florida Department of Agriculture and Consumer Services (FDACS), 2006.

Table 4.3b. Summary of Agricultural Animal Populations (Excluding Cattle), in 2002

Livestock	Year 2002	
	Inventory	Sold
Hogs and Pigs	279	263
Poultry:		
Layers and Pullets 20 Weeks and Older	401	71
Broilers		0
Sheep and Lambs		0
Horses	1,297	178
Milk Goats		
Goats, except Angora and Milk	592	308
Ducks	28	
Geese	53	19
Pheasants		
Other Poultry		
Mules, Burros, and Donkeys	18	
Rabbits	24	0

**Source:** FDACS, 2006.  
See **Appendix B**.

## Pets–Domestic Animals

Another possible source of fecal coliform bacteria in the Bayou Chico Watershed could be pets. The Department has been unable to obtain data on the number of dogs in the area; however, estimates can be made using literature-based values of dog ownership rates. Using dog-to-household ratio estimates from the American Veterinary Medical Association (AVMA, 2007), and assuming that coliform from 100 percent of the dogs reach the waterbody and are viable upon reaching it, the approximate loading to the watershed from dogs is 1.8459 E+13 counts per day (see **Appendix B** for details). Similarly, the number of horses and ponies can be estimated at a load of 1.3367E+11 colonies/day. The total load from domestic animals is 1.8593E+13 colonies/day, or 72.5 percent of the total to the watershed.

## Boats

There is a large amount of barge traffic on the Escambia River and Bay system. FDACS completed a shoreline inventory (as of July 2003) of the sub-basins in the Pensacola Bay area (Brooks, 2007; Knight and Couch, 2003). *Tables 3 through 5* of this inventory list the number of boat slips for each marina, while *Appendix 3-1* lists the marinas by sub-basin. An estimate can be made of the fecal coliform contribution from the boats, given the actual boat population of each marina. The 2000 U.S. Census shows that in Escambia County, 178 housing units were in the boat/recreational vehicle/van category. **Table 4.3c** lists the total estimated loading from boats in the Bayou Chico watershed; **Appendix B** lists the number of boats and loading for each marina. The total is 1.996E+12 colonies/day, or 7.78 percent of the total to the watershed.

Table 4.3c. Estimated Loading from Boats in the Bayou Chico Watershed

Marina Name in Bayou Chico*	Number of Boats in Marinas	Persons per Boat	Total Human Population in Marina	Loading per Person (counts/day)	Marina Loading (counts/day)	Marina Loading (counts/year)
See <b>Appendix B</b> for list	499	2	998	2.00E+09	1.996E+12	7.2854E+14

\* Knight and Couch, 2003.

## Wildlife

The most recent TMDL work (Benham, 2007) quantifying wildlife contributions to fecal coliform divides the load among eight categories of wildlife: deer, raccoons, muskrats, beavers, geese, ducks, wild turkeys, and other. Wildlife are assigned to a habitat they would normally frequent. For example, beaver, geese, and ducks are assigned to a buffer 91 meters wide along the perimeter of main streams and impoundments, while deer are assigned to the entire watershed. FDACS notes that there are five major wildlife areas (Knight and Couch, 2003) along several tributaries of the shellfish-harvesting areas in Escambia and Santa Rosa Counties. The white-tailed deer population has been estimated at various densities (12.8/mi<sup>2</sup>), as shown in **Appendix B**. Migratory waterfowl and other bird populations have been estimated annually from 1998 to 2006 (BirdSource Website, 2007). The value used (7.98/ mi<sup>2</sup>) is a composite of



the largest species in size. Total load from wildlife is estimated at 1.3442E+12 colonies/day), or 5.24 percent of the total.

### 4.3 Source Summary

#### 4.3.1 Summary of the Fecal Coliform Loadings into Bayou Chico from the Various Sources

**Table 4.4** summarizes the daily average fecal coliform loadings (roughly corresponding to the period from 1997 through 2006) from livestock, wildlife, domestic animals, septic leaks, and boats in the Bayou Chico watershed, and **Table 4.5** summarizes external loads to the watershed.

Table 4.4. Average Daily Quantity of Internal Fecal Coliform Loads to the Bayou Chico Watershed

Nonpoint Source Category	Internal Loads to Bayou Chico Watershed (cfu/day)	% of Total Load
Total Livestock	2.3819E+12	9.29
Total Wildlife	1.3442E+12	5.24
Total Domestic Animals (no cats)	1.8593E+13	72.50
Total Septic Tanks Leaks	1.3378E+12	5.22
Total Boats	1.9960E+12	7.78
<b>TOTAL:</b>	<b>2.5653E+13</b>	<b>100.00</b>

Table 4.5. Summary of External Load to the Bayou Chico Watershed

Surface Area of Tidal Portion of Bayou Chico Watershed (mi <sup>2</sup> ) <sup>*</sup>	Tidal Range (feet/12 hours) <sup>**</sup>	Tidal Flow into Bayou Chico Watershed (cfs)	Mean of Fecal Coliform Data from Pensacola Bay, WBID 548D (cfu/100mL) <sup>†</sup>	External Load to the Bayou Chico Watershed (cfu/day)
0.35	1.3	294.53	57.10	4.11E+11

cfs – Cubic feet per second.

\* From ESRI ArcGIS, ArcMap 9.1, based on areas of GIST\_IDs 15143 and 15186 within TIGER 2005 Water (Areas) layer.

\*\* Value for Station Number 4373, Pensacola Bay, 2 miles south of Warrington. U.S. Department of Commerce, 1994.

† Based on mean of yearly average fecal coliform data for all available years (1993 and 2005), from the Department's IWR Run 25.

# Chapter 5: DETERMINATION OF ASSIMILATIVE CAPACITY

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## 5.1 Determination of Loading Capacity

The methodology used for this TMDL is the “load duration curve.” Also known as the “Kansas Approach” because it was developed by the state of Kansas (Stiles, 2002), this method has been well documented in the literature, with improved modifications used by EPA Region IV. Basically, the method relates the pollutant concentration to the flow of the stream to establish the existing loading capacity and the allowable pollutant load (TMDL) under a spectrum of flow conditions. It then determines the maximum allowable pollutant load and load reduction requirement based on the analysis of the critical flow conditions. Using this method, it takes five steps to develop the TMDL and establish the required load reduction:

1. *Identify available flow and water quality data;*
2. *Develop the flow duration curve;*
3. *Develop the load duration curve for the existing loading;*
4. *Define the critical conditions; and*
5. *Establish the needed load reduction by comparing the existing loading with the allowable load under critical conditions.*

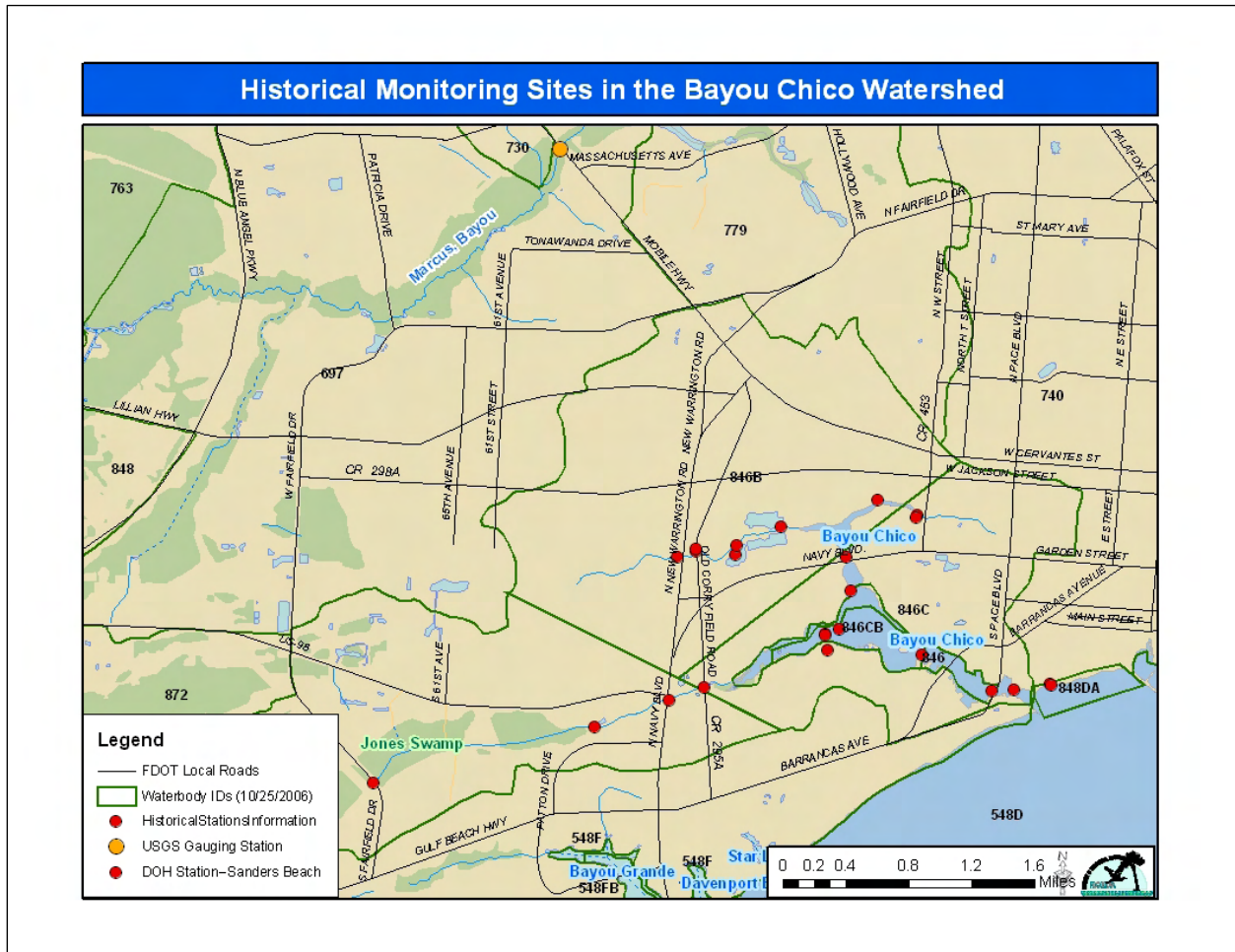
### 5.1.1 Data Used in the Determination of the TMDL

There are 25 sampling stations in the Bayou Chico Watershed that have historical coliform observations (**Figure 5.1**). The primary data collector of historical data is the Bureau of Water, within FDOH’s Florida Division of Environmental Health, which maintained routine sampling sites at Bayou Chico and Sanders Beach (STORET IDs: 21FLDOH ESCAMBIA96 and 21FLDOH ESCAMBIA91). These sites were sampled between two and six times per month from August 14, 2000, through June 27, 2005. Additional sampling was conducted by the Department up to five times per month, and the Bream Fisherman’s Association on a quarterly basis. **Figure 5.1** shows the locations of these sites, while **Table 5.1** provides a brief statistical overview of the observed data at these sites. **Figure 5.2** is a chart showing the observed historical data over time, and **Appendix G** contains the historical observations from these sites.

The Department has not conducted any recent intensive surveys in the watershed, all recent data having been collected by the Florida Division of Environmental Health. **Figure 5.3** shows a graphical display of these recent data, collected between July 1, 2005, and the present. Of the 54 recent samples collected, 16 samples exceeded the 400 cfu/100mL fecal coliform criterion; 12 of these samples were collected at Bayou Chico, and 4 were collected at Sanders Beach.

Flow measurements for this analysis were obtained from a USGS gaging station located on Bayou Marcus Creek (USGS 02376100, Bayou Marcus Creek near Pensacola, FL, Latitude: 30°26'53", Longitude: 87°17'26", **Figure 5.1**).

Figure 5.1. Historical Monitoring Sites in the Bayou Chico Watershed,



WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA

Table 5.1. Statistical Table of Observed Historical Data for the Bayou Chico Watershed, WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA

WBID	Parameter	Total Number of Samples	Geometric Mean of Samples (N/100mL)	Number of Samples above Standard (FC>400 [N/100mL])	Minimum Concentration (N/100mL)	Maximum Concentration (N/100mL)
Bayou Chico Watershed (WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA)	Fecal Coliform	911	108.554	132	1	25,000

Figure 5.2. Chart of Historical Observations of Fecal Coliform in the Bayou Chico Watershed, WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA

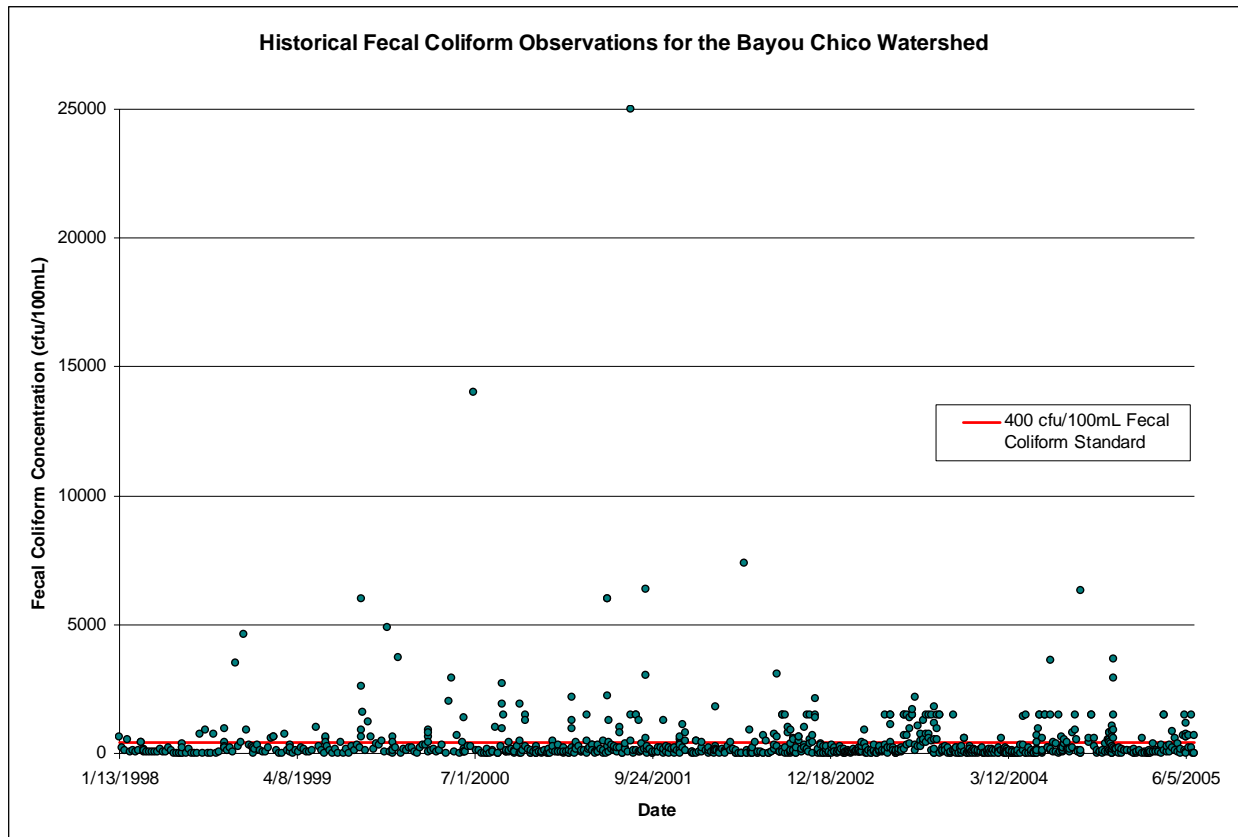
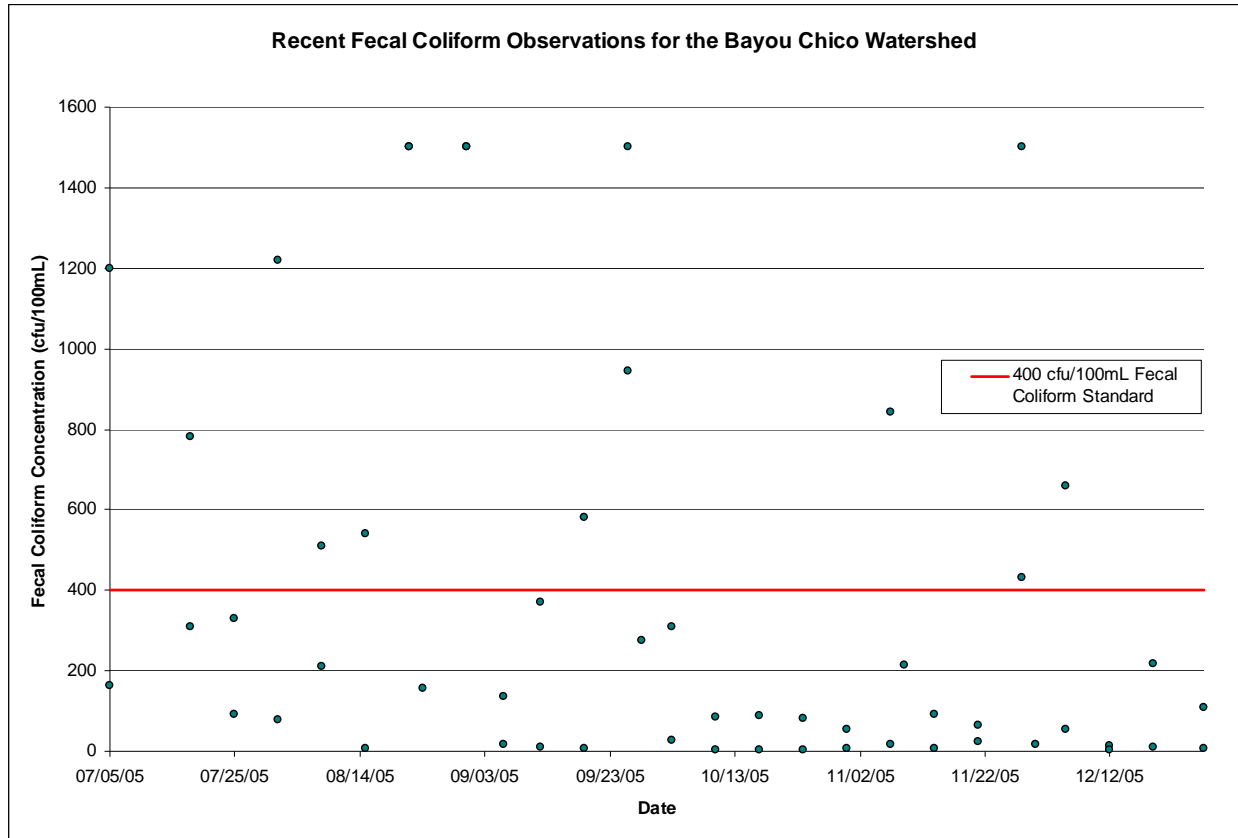


Figure 5.3. Chart of Recent Observations of Fecal Coliforms in the Bayou Chico Watershed, WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA



## 5.1.2 TMDL Development Process

### 5.1.2.1 Development of the Flow Duration Curve

The first step in the development of load duration curves is to create *flow duration curves*. A flow duration curve displays the cumulative frequency distribution of daily flow data over the period of record. The duration curve relates flow values measured at a monitoring station to the percent of time the flow values were equaled or exceeded. Flows are ranked from low, which are exceeded nearly 100 percent of the time, to high, which are exceeded less than 1 percent of the time.

Since there is no USGS flow gage with sufficient data located in Bayou Chico, the flow duration curve was developed based on flow records from USGS Gage 02376100, located at Bayou Marcus Creek near Pensacola, scaled down by the ratio between the Bayou Marcus and Bayou

Chico drainage areas ( $da_{BC} / da_{BM} = 10.36 \text{ mi}^2 / 10.8 \text{ mi}^2 = 0.9593$ ; see **Appendix H** and **Figure 5.4**).

### 5.1.2.2 Develop the Load Duration Curve for Existing Loading

Using the flows from the flow duration curve, a load duration curve for fecal coliform (**Figure 5.5**) was calculated using the following equation:

$$(1) \text{ (observed flow) } \times \text{ (conversion factor) } \times \text{ (state criteria) } = \text{ ([fecal coliform quantity]/day or daily load)}$$

where: (conversion factor) = 24468480 cfu/day and (state criterion) = 400 cfu/100mL

The above equation yields the load duration curve or allowable load curve (**Figure 5.5**). Using Equation 1 (above), a table was calculated (**Table 5.2**), substituting the observed data for the state criterion value. Fecal coliform observations were then plotted, noting where the samples are in relation to the allowable load curve (above or below the curve). Those above the curve (**Figure 5.5**) are noted as exceedances to the state criterion and are indicated by red triangles.

Figure 5.4. Flow Duration Curve for USGS Gage 02376100

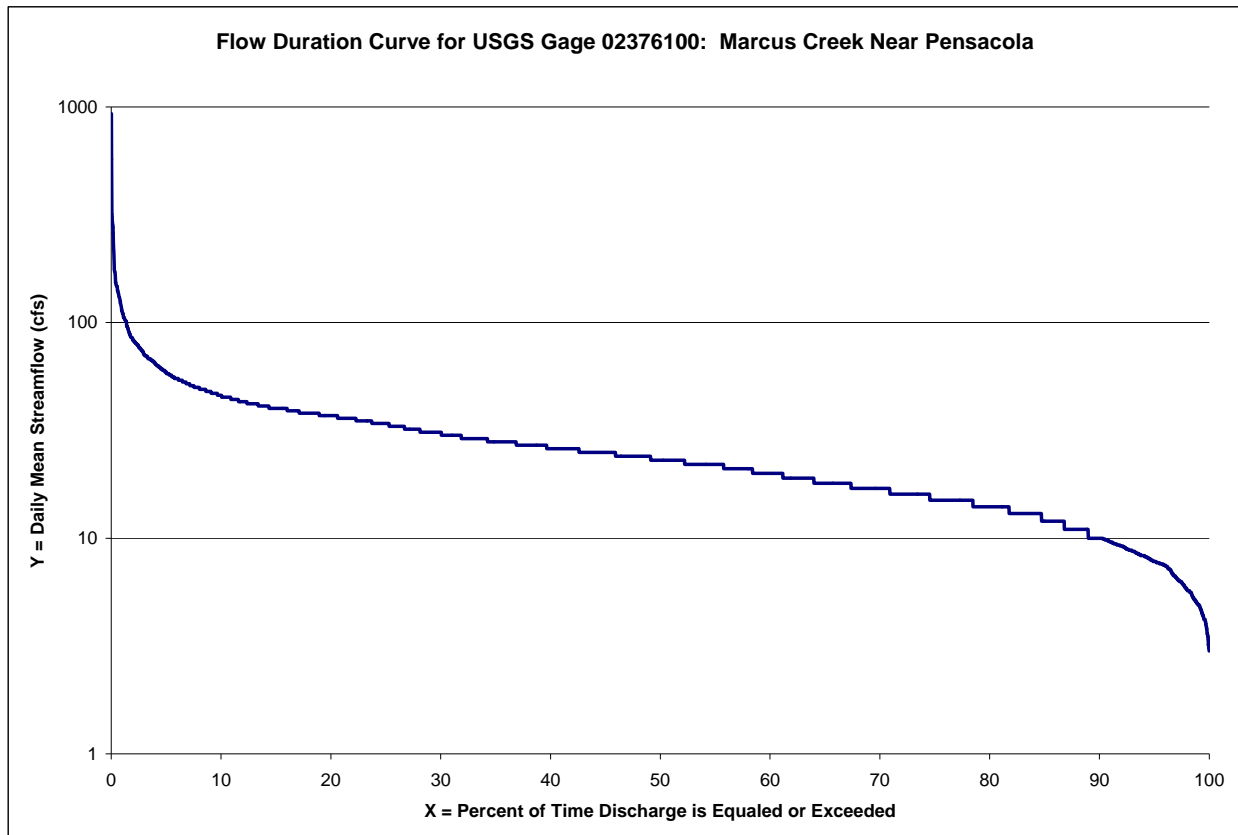


Figure 5.5. Load Duration Curve for Fecal Coliforms in the Bayou Chico Watershed with Line of Best-Fit (Exponential Curve)

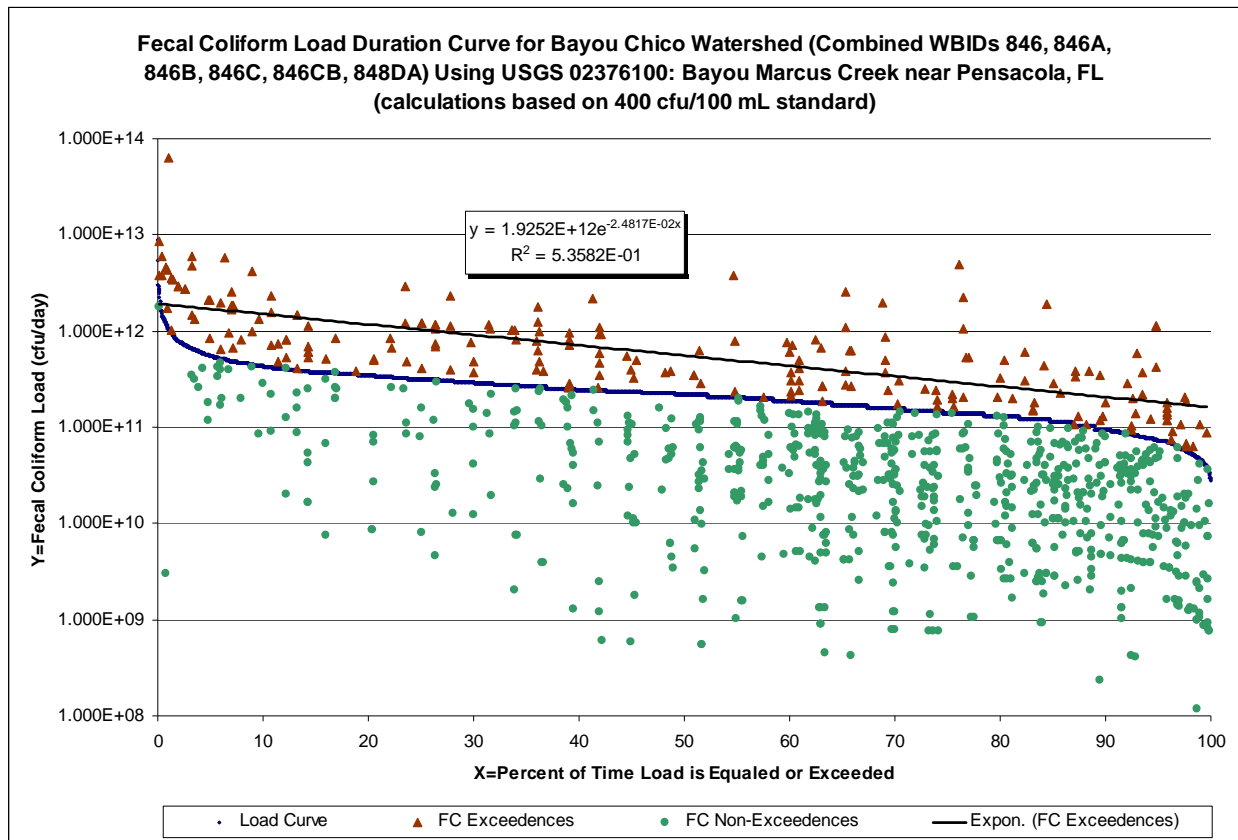


Table 5.2. Observed Data for Calculating Exceedances to the State Criterion for Fecal Coliform for the Bayou Chico Watershed

Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
10/6/1998	1114	37.411	16.927	930	8.513E+11
<b>11/3/1998</b>	<b>1047</b>	<b>24.941</b>	<b>41.334</b>	<b>3,500</b>	<b>2.136E+12</b>
<b>11/23/1998</b>	<b>1050</b>	<b>51.800</b>	<b>6.362</b>	<b>4,600</b>	<b>5.830E+12</b>
<b>12/1/1998</b>	<b>955</b>	<b>23.981</b>	<b>44.515</b>	<b>920</b>	<b>5.398E+11</b>
<b>2/2/1999</b>	<b>920</b>	<b>26.859</b>	<b>35.975</b>	<b>610</b>	<b>4.009E+11</b>
2/8/1999	950	22.063	50.954	650	3.509E+11
2/9/1999	850	22.063	50.974	650	3.509E+11
3/9/1999	955	50.841	6.709	760	9.454E+11
5/25/1999	932	12.470	82.321	1,000	3.051E+11
<b>6/21/1999</b>	<b>1200</b>	<b>14.389</b>	<b>75.516</b>	<b>570</b>	<b>2.007E+11</b>
6/21/1999	1150	14.389	75.516	620	2.183E+11
7/27/1999	1100	36.452	18.797	430	3.835E+11
9/19/1999	1256	17.267	65.298	2,600	1.098E+12
9/19/1999	1307	17.267	65.298	900	3.802E+11
9/19/1999	1000	17.267	65.298	6,000	2.535E+12
9/19/1999	1321	17.267	65.298	660	2.788E+11
9/21/1999	937	19.185	59.746	1,600	7.511E+11
10/5/1999	940	26.859	36.032	1,200	7.886E+11
10/12/1999	930	23.022	48.140	650	3.662E+11
11/8/1999	949	14.389	75.554	470	1.655E+11
11/22/1999	935	16.307	68.768	4,900	1.955E+12
12/7/1999	1308	13.430	79.680	620	2.037E+11
12/20/1999	830	46.044	8.984	3,700	4.169E+12
3/5/2000	1127	7.194	95.855	660	1.162E+11
3/5/2000	1136	7.194	95.855	910	1.602E+11
3/5/2000	1200	7.194	95.855	770	1.355E+11
3/7/2000	920	6.907	96.241	440	7.436E+10
4/25/2000	952	12.470	82.398	2,000	6.103E+11
5/2/2000	1033	8.346	92.944	2,900	5.922E+11
5/16/2000	1015	7.194	95.894	670	1.179E+11
6/4/2000	1054	5.947	97.474	1,400	2.037E+11
6/27/2000	1014	14.389	76.133	14,000	4.929E+12
8/22/2000	925	11.511	85.001	1,020	2.873E+11
<b>9/10/2000</b>	<b>1200</b>	<b>26.859</b>	<b>36.110</b>	<b>955</b>	<b>6.276E+11</b>
9/10/2000	1243	26.859	36.110	1,900	1.249E+12
9/10/2000	1230	26.859	36.110	2,700	1.774E+12
9/12/2000	1005	17.267	65.664	1,500	6.337E+11
9/26/2000	937	10.552	87.025	410	1.059E+11
10/23/2000	0	8.537	92.520	500	1.044E+11



Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
10/24/2000	933	8.058	93.561	1,900	3.746E+11
11/7/2000	0	10.552	87.083	1,500	3.873E+11
11/7/2000	0	10.552	87.083	1,300	3.356E+11
1/15/2001	0	10.552	87.430	500	1.291E+11
3/4/2001	1119	16.307	69.134	2,200	8.778E+11
3/4/2001	1142	16.307	69.134	940	3.751E+11
3/4/2001	1130	16.307	69.134	1,260	5.028E+11
3/13/2001	1000	40.289	13.245	410	4.042E+11
4/10/2001	0	9.593	89.435	500	1.174E+11
4/10/2001	0	9.593	89.435	1,500	3.521E+11
5/22/2001	1000	5.756	97.687	480	6.760E+10
6/3/2001	1044	7.578	94.756	6,000	1.113E+12
6/3/2001	1055	7.578	94.756	6,000	1.113E+12
6/3/2001	1122	7.578	94.756	2,250	4.172E+11
6/5/2001	0	5.851	97.609	1,300	1.861E+11
6/5/2001	950	5.851	97.609	440	6.300E+10
7/2/2001	1050	13.430	80.046	1,000	3.286E+11
7/3/2001	0	11.511	85.676	800	2.253E+11
7/31/2001	930	104.559	1.099	25,000	6.396E+13
8/1/2001	0	52.759	5.919	500	6.455E+11
8/1/2001	0	52.759	5.919	1,500	1.936E+12
8/14/2001	0	40.289	13.283	1,500	1.479E+12
8/14/2001	0	40.289	13.283	1,500	1.479E+12
8/21/2001	935	19.185	60.035	1,300	6.103E+11
9/9/2001	1203	14.389	76.480	580	2.042E+11
9/9/2001	1238	14.389	76.480	6,350	2.236E+12
9/9/2001	1225	14.389	76.480	3,000	1.056E+12
10/23/2001	0	8.825	92.038	1,300	2.807E+11
12/2/2001	1150	9.593	89.686	550	1.291E+11
12/4/2001	955	7.866	94.255	640	1.232E+11
12/11/2001	1034	8.154	93.503	1,100	2.195E+11
12/18/2001	0	19.185	60.073	500	2.347E+11
12/18/2001	1010	19.185	60.073	780	3.662E+11
1/15/2002	0	12.470	83.131	500	1.526E+11
1/15/2002	1005	12.470	83.131	490	1.495E+11
1/29/2002	1023	10.552	88.201	420	1.084E+11
3/3/2002	1140	18.226	62.464	1,810	8.072E+11
4/9/2002	1309	20.144	57.509	420	2.070E+11
5/14/2002	926	21.104	54.675	7,400	3.821E+12
5/28/2002	932	3.933	99.634	900	8.661E+10
7/1/2002	1017	6.235	97.108	700	1.068E+11
<b>7/9/2002</b>	<b>1253</b>	<b>5.372</b>	<b>98.303</b>	<b>475</b>	<b>6.243E+10</b>

Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
7/30/2002	905	9.593	90.033	757	1.777E+11
8/6/2002	1015	30.696	27.800	3,100	2.328E+12
8/7/2002	904	16.307	69.308	613	2.446E+11
8/19/2002	1119	10.552	88.394	1,500	3.873E+11
8/21/2002	1011	13.430	80.335	1,500	4.929E+11
8/26/2002	1306	17.267	65.876	1,500	6.337E+11
9/3/2002	1244	7.290	95.797	802	1.431E+11
9/3/2002	950	7.290	95.797	1,000	1.784E+11
9/8/2002	1233	4.796	98.940	900	1.056E+11
9/16/2002	1206	12.470	83.285	595	1.816E+11
9/18/2002	1112	6.907	96.395	541	9.143E+10
9/30/2002	1300	19.185	60.131	455	2.136E+11
9/30/2002	1242	19.185	60.131	658	3.089E+11
10/1/2002	1021	17.267	65.896	640	2.704E+11
10/15/2002	1000	34.533	22.074	1,000	8.450E+11
10/21/2002	1157	14.389	76.750	1,500	5.281E+11
10/28/2002	1247	30.696	27.820	1,500	1.127E+12
10/28/2002	1219	30.696	27.820	520	3.906E+11
11/4/2002	1258	15.348	72.836	667	2.505E+11
11/5/2002	1020	24.941	41.855	420	2.563E+11
11/12/2002	1204	49.881	7.075	1,500	1.831E+12
11/12/2002	1136	49.881	7.075	1,360	1.660E+12
11/12/2002	1005	49.881	7.075	2,100	2.563E+12
3/10/2003	1015	25.900	39.021	410	2.598E+11
3/17/2003	932	46.044	9.023	892	1.005E+12
5/5/2003	1150	14.389	77.058	1,500	5.281E+11
5/19/2003	922	25.900	39.040	450	2.852E+11
5/19/2003	934	25.900	39.040	1,118	7.085E+11
5/21/2003	1149	49.881	7.095	1,500	1.831E+12
5/21/2003	1124	49.881	7.095	1,500	1.831E+12
6/23/2003	1122	26.859	36.206	1,500	9.858E+11
6/24/2003	1025	23.981	44.997	670	3.931E+11
6/25/2003	1140	19.185	60.305	1,500	7.041E+11
7/1/2003	1334	230.222	0.193	675	3.802E+12
7/1/2003	1325	230.222	0.193	1,500	8.450E+12
7/7/2003	1213	31.656	26.316	1,356	1.050E+12
7/7/2003	1200	31.656	26.316	947	7.335E+11
7/14/2003	1150	32.615	25.063	1,500	1.197E+12
7/14/2003	1143	32.615	25.063	1,500	1.197E+12
7/15/2003	1021	28.778	31.463	1,680	1.183E+12
7/22/2003	1010	43.167	10.738	2,200	2.324E+12
7/28/2003	1255	29.737	29.747	1,039	7.560E+11

Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
8/4/2003	953	42.207	11.471	469	4.844E+11
8/4/2003	1014	42.207	11.471	722	7.456E+11
8/11/2003	1200	25.900	39.078	440	2.788E+11
8/11/2003	1147	25.900	39.078	1,300	8.239E+11
8/12/2003	1514	49.881	7.114	540	6.591E+11
8/18/2003	1200	25.900	39.098	1,500	9.506E+11
8/18/2003	1148	25.900	39.098	410	2.598E+11
8/19/2003	1004	26.859	36.283	740	4.863E+11
8/25/2003	1058	24.941	41.932	755	4.607E+11
8/25/2003	1045	24.941	41.932	1,500	9.154E+11
8/26/2003	1009	24.941	41.951	570	3.478E+11
9/2/2003	1121	21.104	54.849	1,500	7.746E+11
9/2/2003	1017	21.104	54.849	460	2.375E+11
9/7/2003	1154	24.941	41.990	1,800	1.098E+12
9/8/2003	1127	22.063	51.475	1,164	6.284E+11
9/9/2003	1003	22.063	51.494	535	2.888E+11
9/15/2003	1204	32.615	25.082	1,500	1.197E+12
9/15/2003	1151	32.615	25.082	517	4.126E+11
<b>9/16/2003</b>	<b>1049</b>	<b>24.941</b>	<b>42.009</b>	<b>955</b>	<b>5.828E+11</b>
9/22/2003	1207	27.819	33.680	1,500	1.021E+12
9/22/2003	1154	27.819	33.680	1,500	1.021E+12
10/27/2003	1145	28.778	31.521	1,500	1.056E+12
11/24/2003	1201	35.493	20.513	570	4.950E+11
11/24/2003	1045	35.493	20.513	600	5.211E+11
2/24/2004	1032	56.596	4.993	610	8.447E+11
4/19/2004	1102	12.470	84.114	1,431	4.366E+11
4/26/2004	1200	18.226	63.004	1,500	6.689E+11
5/24/2004	1130	8.441	92.886	681	1.407E+11
5/26/2004	1045	8.633	92.423	450	9.506E+10
<b>5/27/2004</b>	<b>1000</b>	<b>8.537</b>	<b>92.635</b>	<b>956</b>	<b>1.997E+11</b>
6/1/2004	1143	24.941	42.028	1,500	9.154E+11
6/1/2004	1130	24.941	42.028	1,500	9.154E+11
6/7/2004	1104	13.430	81.184	600	1.972E+11
6/14/2004	1142	80.578	1.966	1,500	2.957E+12
6/14/2004	1128	80.578	1.966	1,500	2.957E+12
6/30/2004	930	33.574	23.520	3,600	2.957E+12
6/30/2004	1110	33.574	23.520	1,475	1.212E+12
7/6/2004	1128	16.307	70.272	440	1.756E+11
7/19/2004	1115	31.656	26.354	1,500	1.162E+12
7/26/2004	1200	15.348	73.935	647	2.430E+11
8/2/2004	1110	15.348	73.973	520	1.953E+11
8/9/2004	1142	15.348	73.993	430	1.615E+11

Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
8/23/2004	1128	16.307	70.349	773	3.084E+11
8/30/2004	1303	31.656	26.374	1,500	1.162E+12
8/30/2004	1253	31.656	26.374	886	6.863E+11
9/1/2004	957	23.981	45.132	556	3.263E+11
9/12/2004	1224	12.470	84.423	6,300	1.922E+12
10/5/2004	1116	18.226	63.139	420	1.873E+11
10/5/2004	1055	18.226	63.139	603	2.689E+11
10/11/2004	1107	73.863	2.545	1,500	2.711E+12
10/11/2004	1055	73.863	2.545	1,500	2.711E+12
10/18/2004	1043	18.226	63.177	597	2.662E+11
11/22/2004	1013	19.185	60.864	519	2.436E+11
11/23/2004	1245	41.248	12.242	520	5.248E+11
11/23/2004	1155	41.248	12.242	802	8.094E+11
11/23/2004	1143	41.248	12.242	802	8.094E+11
12/2/2004	1023	19.185	60.883	1,064	4.995E+11
12/2/2004	1005	19.185	60.883	873	4.098E+11
12/2/2004	1035	19.185	60.883	655	3.075E+11
12/5/2004	1300	67.148	3.258	900	1.479E+12
12/5/2004	1310	67.148	3.258	2,900	4.765E+12
12/5/2004	1345	67.148	3.258	3,650	5.997E+12
12/6/2004	1101	117.030	0.868	600	1.718E+12
12/6/2004	1047	117.030	0.868	1,500	4.295E+12
2/14/2005	1112	39.330	14.228	560	5.389E+11
4/11/2005	1120	43.167	10.796	1,500	1.584E+12
4/13/2005	1113	123.744	0.771	1,500	4.542E+12
5/2/2005	1045	65.230	3.547	827	1.320E+12
5/9/2005	1105	33.574	23.617	594	4.880E+11
5/31/2005	1245	47.963	7.981	689	8.086E+11
6/2/2005	1107	57.556	4.858	1,500	2.112E+12
6/6/2005	1042	39.330	14.324	718	6.910E+11
6/6/2005	1115	39.330	14.324	636	6.120E+11
6/6/2005	1151	39.330	14.324	1,182	1.137E+12
6/6/2005	1256	39.330	14.324	636	6.120E+11
6/13/2005	1235	43.167	10.816	672	7.098E+11
6/20/2005	1210	27.819	33.931	1,500	1.021E+12
6/27/2005	1059	23.022	48.641	673	3.791E+11
07/05/05		27.819	33.970	1,200	8.168E+11
07/18/05		34.533	22.152	782	6.608E+11
08/01/05		45.085	9.620	1,218	1.344E+12
08/08/05		29.737	29.960	510	3.711E+11
08/15/05		38.370	16.021	539	5.060E+11
08/22/05		94.967	1.388	1,500	3.486E+12

Sample Date	Sample Time	Daily Mean Streamflow (cfs) of Bayou Chico Watershed (USGS 02376100 flow scaled by drainage area)	% of Time Load is Equaled or Exceeded (X)	Fecal Coliform (cfu/100mL)	Fecal Coliform Load (cfu/day) (Y)
08/22/05		94.967	1.388	1,500	3.486E+12
08/31/05		57.556	4.878	1,500	2.112E+12
08/31/05		57.556	4.878	1,500	2.112E+12
09/19/05		26.859	36.688	581	3.818E+11
09/26/05		164.993	0.347	1,500	6.056E+12
09/26/05		164.993	0.347	946	3.819E+12
11/07/05		23.981	45.402	842	4.941E+11
11/28/05		97.844	1.330	1,500	3.591E+12
11/28/05		97.844	1.330	430	1.029E+12
12/05/05		29.737	30.037	658	4.788E+11

**Notes:**

The table includes only exceedances within the dataset from the verified period for Group 4 waters (January 1, 1998, to June 30, 2005), obtained from the Department's IWR Run 25 and FDOH.

Bold type indicates the presence of more than one sample on that date at that particular location. In these cases, an average of the data was used as the coliform concentration for that date.

Values on the load duration curve can generally be grouped by hydrologic conditions to identify the most likely potential sources. Exceedances falling into the 10<sup>th</sup> through 40<sup>th</sup> percentile flows are typically associated with moist conditions when stormwater loads are the most likely source, and exceedances falling in the 60<sup>th</sup> through 90<sup>th</sup> percentiles are typically associated with dry conditions when point sources are likely the dominant source (**Figure 5.6** and **Table 5.3**).

Figure 5.6. Loading Curve Showing Hydrologic Conditions for Fecal Coliform

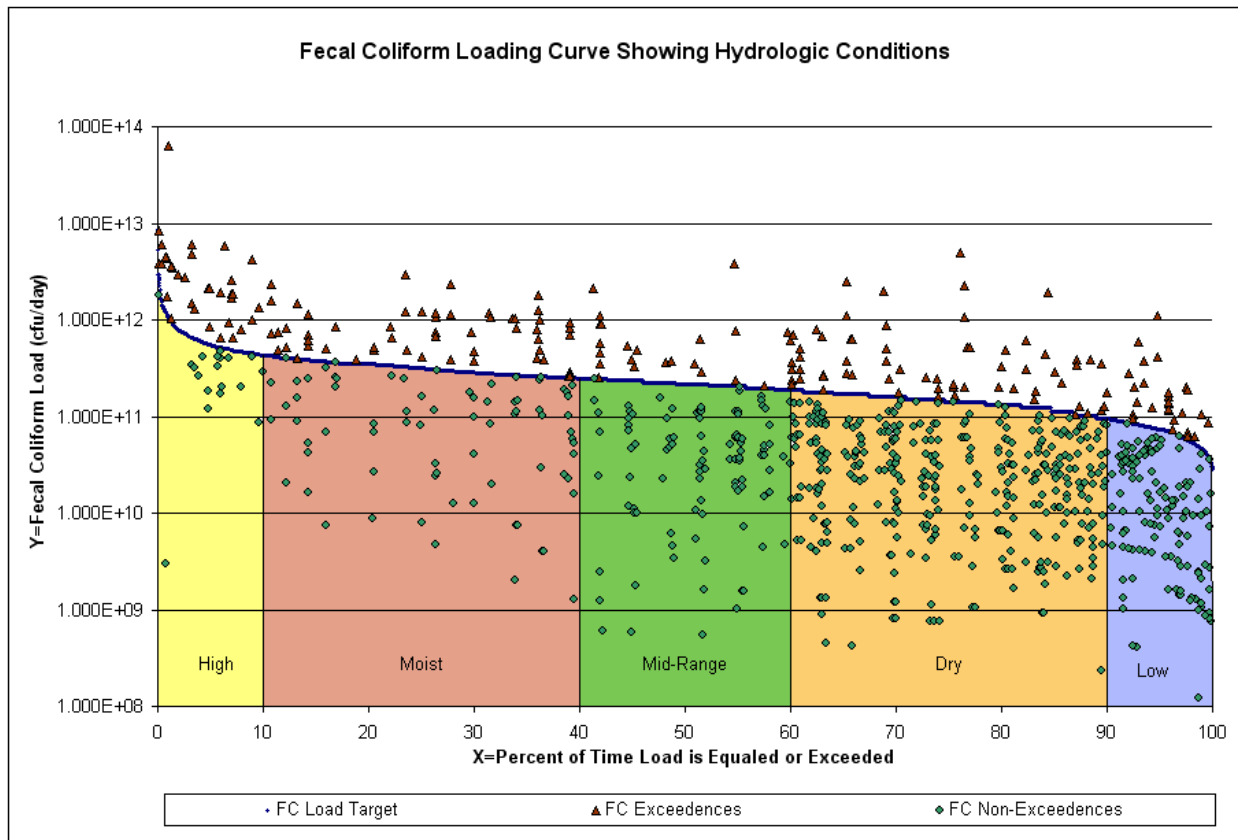


Table 5.3. Flow Conditions under Which Exceedences Occurred

Flow Condition	Flow Range (%)	Fecal (N>400/100mL)	Fecal (N>800/100mL)
High	0–10	38	30
Moist	10–40	62	36
Mid-range	40–60	24	12
Dry	60–90	64	31
Low	90–100	29	15
<b>TOTAL:</b>	<b>0–100</b>	<b>217</b>	<b>124</b>

### 5.1.2.3 Develop the Loading Capacity

To determine the loading capacity, a trendline of best-fit was applied through the exceedances (**Figure 5.5**). The best-fitting trend line was determined by evaluating different functions until the highest  $R_2$  value was found. In this case, an exponential function was determined to be the best fit, and took the following form:

$$(2) Y_{FC} = (1.9252 E+12) * (EXP(-0.024817 * x)),$$

Where:

$Y_{FC}$  = Fecal Coliform Load (cfu/day) and  $x$  = % duration interval

This function (Equation 2) was used to determine the predicted loads by substituting different percentile numbers for “ $x$ ” (from the 10<sup>th</sup> to 90<sup>th</sup>, in increments of 5; see **Table 5.4**, Column 1). The result yields a range of predicted loads within each 5<sup>th</sup> percentile (**Table 5.4**, Column 3).

Finally, the percent reduction in loading needed for compliance with the state criterion was calculated. This calculation involved both the allowable load and predicted loads previously computed (**Table 5.4**). Using percentile increments of 5 (ranging from 10 to 90; see **Table 5.4**, Column 1), the needed reduction in daily load was computed using the following formula:

$$(3) \frac{(\text{predicted load}) - (\text{allowable load})}{(\text{predicted load})} \times 100$$

The TMDL is then calculated as the median of the percent reductions needed over the data range where exceedances occurred, which in this case was over the entire range of flow conditions. As shown in **Table 5.4**, the source loadings for fecal coliforms discussed in Chapter 4 would need to be reduced by 61.25 percent to meet the TMDL.

### 5.2.3 Critical Conditions/Seasonality

The critical condition for coliform loadings in a given watershed depends on many factors, including the presence of point sources and the land use pattern in the watershed. Typically, the critical condition for nonpoint sources is an extended dry period followed by a rainfall runoff event. During the wet weather period, rainfall washes off coliform bacteria that have built up on the land surface under dry conditions, resulting in the wet weather exceedances. However, significant nonpoint source contributions can also appear under dry conditions without any major surface runoff event. This usually happens when nonpoint sources contaminate the surficial aquifer, and fecal coliform bacteria are brought into the receiving waters through baseflow. In addition, as described above, livestock that have direct access to the receiving water can also contribute to the exceedance during dry weather. The critical condition for point source loading typically occurs during periods of low stream flow, when dilution is minimized.



Table 5.4. Table for Calculating Needed Reduction of Fecal Coliform

Fecal Coliform (based on 400 cfu/100mL standard)			
% of Days Load Exceeded	Allowable Load (#colonies/day)	Predicted Load (#colonies/day)	Load Reduction Needed for Compliance (%)
10	4.319E+11	1.502E+12	71.25
15	3.755E+11	1.327E+12	71.71
20	3.474E+11	1.172E+12	70.37
25	3.192E+11	1.036E+12	69.18
30	2.910E+11	9.149E+11	68.19
35	2.629E+11	8.082E+11	67.47
40	2.441E+11	7.139E+11	65.81
45	2.347E+11	6.307E+11	62.79
50	2.159E+11	5.571E+11	61.25
55	2.066E+11	4.922E+11	58.02
60	1.878E+11	4.348E+11	56.80
65	1.690E+11	3.841E+11	56.00
70	1.596E+11	3.393E+11	52.96
75	1.408E+11	2.997E+11	53.02
80	1.314E+11	2.648E+11	50.37
85	1.127E+11	2.339E+11	51.81
90	9.389E+10	2.066E+11	54.55
<b>MEDIAN:</b>	<b>2.159E+11</b>	<b>5.571E+11</b>	<b>61.25</b>

Exceedances occurred over the entire range of flow conditions in the Bayou Chico Watershed, as evidenced by **Figure 5.6**. Based on the dominant type of land use (61.58 percent urban and built-up) and sources of fecal coliforms in the watershed, it is likely that many of the exceedances in each of the flow intervals are from nonpoint sources entering the waters through baseflow. However, the fecal coliform loads increase slightly with flow increase, possibly indicating that there are additional exceedances during higher flow conditions, caused by fecal coliform built up on the land during dry periods being washed into local waters by rain. Critical conditions are accounted for in the load curve analysis by using the flow records and water quality data available in the 10<sup>th</sup> to 90<sup>th</sup> percentile flow duration interval.

## Chapter 6: DETERMINATION OF THE TMDL

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### 6.1 Expression and Allocation of the TMDL

The objective of a TMDL is to provide a basis for allocating acceptable loads among all of the known pollutant sources in a watershed so that appropriate control measures can be implemented and water quality standards achieved. A TMDL is expressed as the sum of all point source loads (wasteload allocations, or WLAs), nonpoint source loads (load allocations, or LAs), and an appropriate margin of safety (MOS), which takes into account any uncertainty concerning the relationship between effluent limitations and water quality:

$$\text{TMDL} = \sum \text{WLAs} + \sum \text{LAs} + \text{MOS}$$

As discussed earlier, the WLA is broken out into separate subcategories for wastewater discharges and stormwater discharges regulated under the NPDES Program:

$$\text{TMDL} \cong \sum \text{WLAs}_{\text{wastewater}} + \sum \text{WLAs}_{\text{NPDES Stormwater}} + \sum \text{LAs} + \text{MOS}$$

It should be noted that the various components of the revised TMDL equation may not sum up to the value of the TMDL because (a) the WLA for NPDES stormwater is typically based on the percent reduction needed for nonpoint sources and is also accounted for within the LA, and (b) TMDL components can be expressed in different terms (for example, the WLA for stormwater is typically expressed as a percent reduction, and the WLA for wastewater is typically expressed as mass per day).

WLAs for stormwater discharges are typically expressed as “percent reduction” because it is very difficult to quantify the loads from MS4s (given the numerous discharge points) and to distinguish loads from MS4s from other nonpoint sources (given the nature of stormwater transport). The permitting of stormwater discharges also differs from the permitting of most wastewater point sources. Because stormwater discharges cannot be centrally collected, monitored, and treated, they are not subject to the same types of effluent limitations as wastewater facilities, and instead are required to meet a performance standard of providing treatment to the “maximum extent practical” through the implementation of best management practices (BMPs).

This approach is consistent with federal regulations (40 CFR § 130.2[1]), which state that TMDLs can be expressed in terms of mass per time (e.g., pounds per day), toxicity, or **other appropriate measure**. The TMDL for the Bayou Chico Watershed is expressed in terms of percent reduction, and represents the maximum annual fecal coliform load the watershed can assimilate and maintain the fecal coliform criterion (**Table 6.1**).

Table 6.1. TMDL Components for the Bayou Chico Watershed

WBID	Parameter	TMDL (% Reduction)	WLA		LA (% Reduction)*	MOS
			Wastewater (counts/ 100 mL)	NPDES Stormwater		
Bayou Chico Watershed (WBIDs 846, 846A, 846B, 846C, 846CB, and 848DA)	Fecal Coliform	61%	Point sources must meet permit limits	61%	61%	Implicit

\* The percent reduction is based on the 10<sup>th</sup> to 90<sup>th</sup> percentile of recurrence intervals minus the WLA; see **Table 5.4**.

## 6.2 Load Allocation

Based on a load duration curve approach similar to that developed by Kansas (Stiles, 2002), a fecal coliform reduction of 61 percent is needed from nonpoint sources. It should be noted that the LA includes loading from stormwater discharges regulated by the Department and the water management districts that are not part of the NPDES Stormwater Program (see **Appendix A**).

## 6.3 Wasteload Allocation

Currently, there are no permitted NPDES wastewater discharges in the watershed. Any new potential discharger is expected to comply with the Class III criterion for coliform bacteria.

### 6.3.1 NPDES Wastewater Discharges

As mentioned previously, there are no permitted wastewater facilities with a discharge permit in the Bayou Chico watershed. Any new potential discharger is expected to comply with the Class III criterion for coliform bacteria.

### 6.3.2 NPDES Stormwater Discharges

The Bayou Chico watershed, located in Escambia County, falls under the Escambia County and Coapplicant MS4 permit (FLS000019). The wasteload allocation for this MS4 permit is a 61 percent reduction in current anthropogenic fecal coliform loading from the MS4. It should be noted that any MS4 permittee is only responsible for reducing the loads associated with stormwater outfalls that it owns or otherwise has responsible control over, and it is not responsible for reducing other nonpoint source loads in its jurisdiction.

## 6.4 Margin of Safety

Consistent with the recommendations of the Allocation Technical Advisory Committee (Department, 2001), an implicit MOS was used in the development of this TMDL. An implicit MOS was provided by the conservative decisions associated with a number of modeling assumptions and the development of assimilative capacity.

For fecal coliform, an implicit MOS was inherently incorporated by using 400 MPN/100mL of fecal coliform as the water quality target for each and every sampling event, instead of no more

than 10 percent of the samples exceeding 400 MPN/100mL. For fecal coliform TMDLs, using the correlation lines fitting through only the existing loadings that exceeded the allowable loadings could overestimate the actual existing loading, which makes the estimation more conservative and therefore adds to the MOS. An additional MOS was included in the TMDL by not allowing any exceedances of the state criterion, even though intermittent natural exceedances of the criterion would be expected and would be taken into account when determining impairment.

# Chapter 7: NEXT STEPS: IMPLEMENTATION PLAN DEVELOPMENT AND BEYOND

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## 7.1 Basin Management Action Plan

Following the adoption of this TMDL by rule, the next step in the TMDL process is to develop an implementation plan for the TMDL, which will be a component of the BMAP for the Bayou Chico watershed. This document will be developed over the next year in cooperation with local stakeholders and will attempt to reach consensus on more detailed allocations and on how load reductions will be accomplished. The BMAP will include the following:

*Appropriate allocations among the affected parties;*

*A description of the load reduction activities to be undertaken;*

*Timetables for project implementation and completion;*

*Funding mechanisms that may be utilized;*

*Any applicable signed agreement;*

*Local ordinances defining actions to be taken or prohibited;*

*Local water quality standards, permits, or load limitation agreements; and*

*Monitoring and follow-up measures.*

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# Appendices

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## Appendix A: Background Information on Federal and State Stormwater Programs

In 1982, Florida became the first state in the country to implement statewide regulations to address the issue of nonpoint source pollution by requiring new development and redevelopment to treat stormwater before it is discharged. The Stormwater Rule, as authorized in Chapter 403, F.S., was established as a technology-based program that relies on the implementation of BMPs that are designed to achieve a specific level of treatment (i.e., performance standards) as set forth in Rule 62-40, F.A.C. In 1994, the Department's stormwater treatment requirements were integrated with the stormwater flood control requirements of the state's water management districts, along with wetland protection requirements, into the Environmental Resource Permit regulations.

Rule 62-40, F.A.C., also requires the water management districts to establish stormwater pollutant load reduction goals (PLRGs) and adopt them as part of a Surface Water Improvement and Management (SWIM) plan, other watershed plan, or rule. Stormwater PLRGs are a major component of the load allocation part of a TMDL. To date, stormwater PLRGs have been established for Tampa Bay, Lake Thonotosassa, the Winter Haven Chain of Lakes, the Everglades, Lake Okeechobee, and Lake Apopka. No PLRG had been developed for Newnans Lake when this report was published.

In 1987, the U.S. Congress established Section 402(p) as part of the federal Clean Water Act Reauthorization. This section of the law amended the scope of the federal NPDES permitting program to designate certain stormwater discharges as "point sources" of pollution. The EPA promulgated regulations and began implementing the Phase I NPDES stormwater program in 1990. These stormwater discharges include certain discharges that are associated with industrial activities designated by specific standard industrial classification (SIC) codes, construction sites disturbing 5 or more acres of land, and master drainage systems of local governments with a population above 100,000, which are better known as MS4s. However, because the master drainage systems of most local governments in Florida are interconnected, the EPA implemented Phase I of the MS4 permitting program on a countywide basis, which brought in all cities (incorporated areas), Chapter 298 urban water control districts, and the FDOT throughout the 15 counties meeting the population criteria. The Department received authorization to implement the NPDES Stormwater Program in 2000.

An important difference between the federal NPDES and the state's stormwater/environmental resource permitting programs is that the NPDES Program covers both new and existing discharges, while the state's program focuses on new discharges only. Additionally, Phase II of the NPDES Program, implemented in 2003, expands the need for these permits to construction sites between 1 and 5 acres, and to local governments with as few as 1,000 people. While these urban stormwater discharges are now technically referred to as "point sources" for the purpose of regulation, they are still diffuse sources of pollution that cannot be easily collected and treated by a central treatment facility, as are other point sources of pollution such as domestic and industrial wastewater discharges. It should be noted that all MS4 permits issued in Florida include a reopener clause that allows permit revisions to implement TMDLs when the implementation plan is formally adopted.

**Table 3**  
**Escambia County NPDES MS4 Permit FLS000019**  
**Summary of WMM Land Uses for Co-permittees**

Basin	Unincorporated County	City of Pensacola	Town of Century	FDOT District Three	Total County	% of County
Alligator Creek	9,047.0	0.0	0.0	18.5	9,065.5	2.1%
Bayou Garcon	3,459.0	0.0	0.0	38.1	3,497.0	0.8%
Bayou Grande	12,128.8	0.0	0.0	145.0	12,273.8	2.9%
Bayou Marcus	12,682.6	0.0	0.0	137.7	12,820.3	3.0%
Bellshead Branch	2,214.7	0.3	0.0	30.7	2,245.7	0.5%
Big Lagoon	2,384.7	0.0	0.0	48.5	2,433.2	0.6%
Bowman Creek	5,073.7	0.0	0.0	0.0	5,073.7	1.2%
Bridge Creek	4,724.2	0.0	0.0	72.9	4,797.1	1.1%
Bronson Field/Paradise	1,180.7	0.0	0.0	14.7	1,195.4	0.3%
Carpenter Creek	5,252.0	6,174.5	0.0	243.0	11,669.4	2.8%
Churchhouse Branch	1,078.2	0.0	0.0	0.0	1,078.2	0.3%
Claypit Branch	21,265.2	0.0	0.0	81.4	21,346.5	5.0%
Clear Creek	11,293.0	0.0	0.0	58.1	11,351.1	2.7%
Cotton Creek	8,763.2	0.0	0.0	20.7	8,783.9	2.1%
Cowdevil Creek	4,044.2	0.0	0.0	9.0	4,053.1	1.0%
Direct Runoff To Bay	1,290.4	0.0	0.0	19.6	1,310.0	0.3%
Dry Creek	15,200.4	0.0	0.0	96.4	15,296.9	3.6%
Eightmile Creek	7,527.4	0.0	0.0	81.4	7,608.7	1.8%
Elevenmile Creek	21,152.5	0.0	0.0	136.7	21,289.2	5.0%
Escambia Bay	3,023.2	2,906.8	0.0	146.9	6,076.8	1.4%
Escambia River	5,280.2	0.0	0.0	0.7	5,280.8	1.2%
Fletcher Creek	3,721.5	0.0	0.0	26.9	3,748.4	0.9%
Hobbs Branch	18,696.2	0.0	0.0	73.4	18,769.6	4.4%
Hurst Branch	1,864.0	0.0	0.0	8.2	1,872.2	0.4%
Millview	4,961.7	0.0	0.0	4.4	4,966.1	1.2%
Mitchell Creek	8,046.8	0.0	0.0	13.5	8,060.3	1.9%
Pensacola Creek	4,822.4	0.0	0.0	1.3	4,823.6	1.1%
Pensacola Bay	3,726.5	3,486.4	0.0	271.5	7,484.3	1.8%
Pensacola Beach	4,180.4	0.0	0.0	131.4	4,311.8	1.0%
Pine Barren Creek	64,422.5	0.0	0.0	198.4	64,620.9	15.2%
Pond Branch	18,686.1	0.0	0.0	39.6	18,725.7	4.4%
Pritchett Mill Branch	4,505.8	0.0	0.0	21.9	4,527.7	1.1%
Reedy Branch	17,833.4	0.0	0.0	0.0	17,833.4	4.2%
Rocky Creek	34,503.1	0.0	0.0	0.0	34,503.1	8.1%
Southwest Side	3,173.8	0.0	0.0	41.9	3,215.7	0.8%
Spanish Mill Creek	6,126.3	0.0	0.0	0.0	6,126.3	1.4%
Tarkiln Bayou	1,382.3	0.0	0.0	2.2	1,384.5	0.3%
Warrington	5,682.1	735.7	0.0	174.4	6,592.2	1.6%
Weekly Bayou	1,970.0	0.0	0.0	15.3	1,985.3	0.5%
West Fork	20,798.7	0.0	0.0	0.0	20,798.7	4.9%
Wiggins Branch	15,316.4	0.0	314.9	83.7	15,714.9	3.7%
Williams Creek	5,512.2	0.0	0.0	0.0	5,512.2	1.3%
<b>Total for Land Use</b>	<b>407,997.0</b>	<b>13,303.6</b>	<b>314.9</b>	<b>2,507.9</b>	<b>424,123.4</b>	<b>100.0%</b>
<b>Percent of County</b>	<b>96.2%</b>	<b>3.1%</b>	<b>0.1%</b>	<b>0.6%</b>		

CDM

Table 3 - WMM Data: Summary

**Table 11A**  
**Escambia County NPDES MS4 Permit FLS000019**  
**Summary of BMP Coverage for Unincorporated County - Dry Ponds**

Basin	MDSF Residential			Institutional			Commercial		
	Total	BMP	Percent	Total	BMP	Percent	Total	BMP	Percent
Alligator Creek	263.0		0.0%	2.6		0.0%	2.6		0.0%
Bayou Garcon	165.3	64.2	38.8%	1.0		0.0%	38.6		0.0%
Bayou Grande	2,052.4		0.0%	219.1		0.0%	1,719.8		0.0%
Bayou Marcus	3,607.1	527.1	14.6%	398.7		0.0%	445.9	1.8	0.4%
Bellshead Branch	472.2		0.0%	105.9		0.0%	164.6		0.0%
Big Lagoon	132.0		0.0%	16.5		0.0%	12.1		0.0%
Bowman Creek	0.0		0.0%	0.0		0.0%	0.0		0.0%
Bridge Creek	354.2	63.3	17.9%	1.5		0.0%	157.2		0.0%
Bronson Field/Paradis	122.7		0.0%	0.0		0.0%	170.1		0.0%
Carpenter Creek	2,012.2	659.1	32.8%	178.3		0.0%	912.2		0.0%
Churchhouse Branch	91.7		0.0%	3.9		0.0%	0.0		0.0%
Claypit Branch	1,480.0		0.0%	19.5		0.0%	77.4		0.0%
Clear Creek	3,011.0	488.0	16.2%	412.9	284.3	68.9%	348.3		0.0%
Cotton Creek	39.0		0.0%	5.0		0.0%	0.0		0.0%
Cowdevil Creek	249.6		0.0%	28.4		0.0%	0.0		0.0%
Direct Runoff To Bay	232.2	232.2	100.0%	22.7		0.0%	3.1		0.0%
Dry Creek	1,011.2		0.0%	37.9		0.0%	68.6		0.0%
Eightmile Creek	2,239.0	788.4	35.2%	144.6		0.0%	729.5	310.8	42.6%
Elevenmile Creek	3,239.6	363.6	11.2%	798.2	9.8	1.2%	555.9		0.0%
Escambia Bay	714.5		0.0%	44.2		0.0%	84.2		0.0%
Escambia River	447.2		0.0%	0.0		0.0%	21.9		0.0%
Fletcher Creek	6.9		0.0%	0.0		0.0%	0.0		0.0%
Hobbs Branch	131.5		0.0%	47.2		0.0%	13.2		0.0%
Hurst Branch	175.5	30.0	17.1%	8.1		0.0%	22.6		0.0%
Millview	502.0		0.0%	4.2		0.0%	338.9		0.0%
Mitchell Creek	127.8		0.0%	0.0		0.0%	0.0		0.0%
Penasula Creek	91.0		0.0%	9.7		0.0%	0.0		0.0%
Pensacola Bay	1,207.6		0.0%	180.8		0.0%	991.6		0.0%
Pensacola Beach	73.5		0.0%	123.0		0.0%	302.7		0.0%
Pine Barren Creek	756.8	4.9	0.6%	80.8		0.0%	59.6		0.0%
Pond Branch	198.9		0.0%	0.1		0.0%	0.1		0.0%
Pritchett Mill Branch	136.7		0.0%	13.1		0.0%	0.0		0.0%
Reedy Branch	60.9		0.0%	3.0		0.0%	0.0		0.0%
Rocky Creek	189.0		0.0%	7.4		0.0%	0.0		0.0%
Southwest Side	357.9		0.0%	0.0		0.0%	76.1		0.0%
Spanish Mill Creek	660.1		0.0%	0.0		0.0%	37.1		0.0%
Tarkiln Bayou	29.7	19.2	64.5%	0.0		0.0%	0.0		0.0%
Warrington	2,010.4	30.5	1.5%	196.9		0.0%	876.1		0.0%
Weekly Bayou	116.1		0.0%	0.0		0.0%	0.0		0.0%
West Fork	111.0		0.0%	11.1		0.0%	11.6		0.0%
Wiggins Branch	507.5		0.0%	185.0		0.0%	264.7		0.0%
Williams Creek	145.5		0.0%	0.0		0.0%	0.1		0.0%
<b>Total for Land Use</b>	<b>29,532.3</b>	<b>3,270.4</b>	<b>11.1%</b>	<b>3,311.5</b>	<b>294.1</b>	<b>8.9%</b>	<b>8,506.1</b>	<b>312.6</b>	<b>3.7%</b>

**CDM**

Table 11 - BMP Coverage

**Table 11B**  
**Escambia County NPDES MS4 Permit FLS000019**  
**Summary of BMP Coverage for Unincorporated County - Wet Ponds**

Basin	MDSF Residential			Institutional			Commercial		
	Total	BMP	Percent	Total	BMP	Percent	Total	BMP	Percent
Alligator Creek	263.0		0.0%	2.6		0.0%	2.6		0.0%
Bayou Garcon	165.3		0.0%	1.0		0.0%	38.6		0.0%
Bayou Grande	2,052.4		0.0%	219.1		0.0%	1,719.8		0.0%
Bayou Marcus	3,607.1		0.0%	398.7		0.0%	445.9		0.0%
Bellshead Branch	472.2		0.0%	105.9		0.0%	164.6		0.0%
Big Lagoon	132.0		0.0%	16.5		0.0%	12.1		0.0%
Bowman Creek	0.0		0.0%	0.0		0.0%	0.0		0.0%
Bridge Creek	354.2	17.0	4.8%	1.5		0.0%	157.2		0.0%
Bronson Field/Paradis	122.7		0.0%	0.0		0.0%	170.1		0.0%
Carpenter Creek	2,012.2	4.8	0.2%	178.3		0.0%	912.2		0.0%
Churchhouse Branch	91.7		0.0%	3.9		0.0%	0.0		0.0%
Claypit Branch	1,480.0		0.0%	19.5		0.0%	77.4		0.0%
Clear Creek	3,011.0		0.0%	412.9		0.0%	348.3		0.0%
Cotton Creek	39.0		0.0%	5.0		0.0%	0.0		0.0%
Cowdevil Creek	249.6		0.0%	28.4		0.0%	0.0		0.0%
Direct Runoff To Bay	232.2	61.3	26.4%	22.7		0.0%	3.1		0.0%
Dry Creek	1,011.2		0.0%	37.9		0.0%	68.6		0.0%
Eightmile Creek	2,239.0		0.0%	144.6		0.0%	729.5		0.0%
Elevenmile Creek	3,239.6	22.9	0.7%	798.2		0.0%	555.9		0.0%
Escambia Bay	714.5		0.0%	44.2		0.0%	84.2		0.0%
Escambia River	447.2		0.0%	0.0		0.0%	21.9		0.0%
Fletcher Creek	6.9		0.0%	0.0		0.0%	0.0		0.0%
Hobbs Branch	131.5		0.0%	47.2		0.0%	13.2		0.0%
Hurst Branch	175.5		0.0%	8.1		0.0%	22.6		0.0%
Millview	502.0		0.0%	4.2		0.0%	338.9		0.0%
Mitchell Creek	127.8		0.0%	0.0		0.0%	0.0		0.0%
Penasula Creek	91.0		0.0%	9.7		0.0%	0.0		0.0%
Pensacola Bay	1,207.6		0.0%	180.8		0.0%	991.6		0.0%
Pensacola Beach	73.5		0.0%	123.0		0.0%	302.7		0.0%
Pine Barren Creek	756.8		0.0%	80.8		0.0%	59.6		0.0%
Pond Branch	198.9		0.0%	0.1		0.0%	0.1		0.0%
Pritchett Mill Branch	136.7		0.0%	13.1		0.0%	0.0		0.0%
Reedy Branch	60.9		0.0%	3.0		0.0%	0.0		0.0%
Rocky Creek	189.0		0.0%	7.4		0.0%	0.0		0.0%
Southwest Side	357.9		0.0%	0.0		0.0%	76.1		0.0%
Spanish Mill Creek	660.1		0.0%	0.0		0.0%	37.1		0.0%
Tarkiln Bayou	29.7		0.0%	0.0		0.0%	0.0		0.0%
Warrington	2,010.4		0.0%	196.9		0.0%	876.1		0.0%
Weekly Bayou	116.1	10.2	8.8%	0.0		0.0%	0.0		0.0%
West Fork	111.0		0.0%	11.1		0.0%	11.6		0.0%
Wiggins Branch	507.5		0.0%	185.0		0.0%	264.7		0.0%
Williams Creek	145.5		0.0%	0.0		0.0%	0.1		0.0%
<b>Total for Land Use</b>	<b>29,532.3</b>	<b>116.2</b>	<b>0.4%</b>	<b>3,311.5</b>	<b>0.0</b>	<b>0.0%</b>	<b>8,506.1</b>	<b>0.0</b>	<b>0.0%</b>

**CDM**

Table 11 - BMP Coverage

## Appendix B: Summary of Land Use Loads by Category

### Land Use Information for the Bayou Chico Watershed

Land Use Level 1		Escambia County, Florida		Bayou Chico Watershed	
		Total (mi <sup>2</sup> )	%	Total (mi <sup>2</sup> )	%
1000	Urban and Built-up	1.1481E+02	1.6588E+01	6.5806E+00	6.1580E+01
2000	Agriculture	9.3660E+01	1.3532E+01	1.2350E-01	1.1557E+00
3000	Rangeland	1.1610E+01	1.6775E+00	4.3230E-01	4.0454E+00
4000	Upland Forests	3.1183E+02	4.5054E+01	9.0640E-01	8.4820E+00
5000	Water	1.2250E+01	1.7699E+00	3.9440E-01	3.6907E+00
6000	Wetlands	1.2111E+02	1.7498E+01	1.2150E+00	1.1370E+01
7000	Barren Land	9.4800E+00	1.3697E+00	3.5100E-02	3.2846E-01
8000	Transportation and Utilities	1.7370E+01	2.5097E+00	9.9890E-01	9.3476E+00
	<b>Total Land</b>	<b>6.7987E+02</b>	<b>9.8230E+01</b>	<b>1.0292E+01</b>	<b>9.6309E+01</b>
	<b>Total Land+Water</b>	<b>6.9212E+02</b>	<b>1.0000E+02</b>	<b>1.0686E+01</b>	<b>1.0000E+02</b>
	<b>Total Census 2003</b>	<b>2.7183E+05</b>		<b>1.5581E+04</b>	
	<b>Urban Ratio WBID/County</b>	<b>1</b>		<b>5.7317E-02</b>	
	<b>Agriculture Ratio WBID/County</b>	<b>1</b>		<b>1.3186E-03</b>	
	<b>Natural Ratio WBID/County</b>	<b>1</b>		<b>4.9743E-03</b>	
	<b>Total Septic Tanks thru 2005</b>	<b>67761</b>		<b>3.8839E+03</b>	
	<b>Total Repairs 1991 thru 2005</b>	<b>10510</b>		<b>6.0240E+02</b>	
	<b>Total Failures</b>	<b>3.3881E+03</b>		<b>1.9419E+02</b>	
	<b>Total 2000 Households</b>	<b>111049</b>		<b>6.3650E+03</b>	
	<b>Total Houseboats</b>				
	<b>Total 1990 Public Sewer</b>	<b>2539</b>		<b>1.4553E+02</b>	
	<b>Total 1990 Septic</b>	<b>5349</b>		<b>3.0659E+02</b>	
	<b>Total 1990 Other</b>	<b>135</b>		<b>7.7378E+00</b>	
	<b>Total 2000 Population</b>	<b>2.9441E+05</b>		<b>1.6875E+04</b>	



## Fecal Coliform Loading From Animals in the Bayou Chico Watershed

Animal Type	Fecal Coliform Load Produced by Animals (cts/animal/day)	Number of Animals in Escambia County	County Area (mi <sup>2</sup> )	Animal Density in Escambia County (#/mi <sup>2</sup> )	References	Bayou Chico Watershed Drainage Area (mi <sup>2</sup> )	Number of Animals in Bayou Chico Watershed	Load Produced by Animals in Bayou Chico Watershed (cts/day)
<b>LIVESTOCK</b>								
Cattle and Calves Inventory	1.04E+11	8643	6.9212E+02			1.0686E+01	1.1397E+01	1.1853E+12
Cattle and Calves Sold	1.04E+11	3382	6.9212E+02			1.0686E+01	4.4595E+00	4.6379E+11
Dairy Cattle Inventory	1.01E+11	1169	6.9212E+02		C	1.0686E+01	1.5414E+00	1.5538E+11
Beef Cattle Inventory	1.04E+11	4009	6.9212E+02		C	1.0686E+01	5.2863E+00	5.4977E+11
Sheep and Lambs Inventory	1.20E+10		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Sheep and Lambs Sold	1.20E+10	0	6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Horses and Ponies Inventory	4.20E+08	1297	6.9212E+02		C	1.0686E+01	1.7102E+00	7.1829E+08
Horses and Ponies Sold	4.20E+08	178	6.9212E+02			1.0686E+01	2.3471E-01	9.8578E+07
Mules, Burros, and Donkeys Inventory	4.20E+08	18	6.9212E+02		C, E	1.0686E+01	2.3735E-02	9.9686E+06
Mules, Burros, and Donkeys Sold	4.20E+08		6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Llamas (~Sheep)	1.20E+10		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Bison (~Beef Cattle)	1.04E+11		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Deer	5.00E+08		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Elk	5.00E+08		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Goats, All (~Sheep) Inventory	1.20E+10	592	6.9212E+02		C, E	1.0686E+01	7.8061E-01	9.3673E+09
Goats, All (~Sheep) Sold	1.20E+10	308	6.9212E+02			1.0686E+01	4.0613E-01	4.8735E+09
Hogs and Pigs Inventory	1.08E+10	279	6.9212E+02		C	1.0686E+01	3.6789E-01	3.9732E+09
Hogs and Pigs Sold	1.08E+10	263	6.9212E+02			1.0686E+01	3.4679E-01	3.7453E+09
Layer Chickens Inventory	1.40E+08	401	6.9212E+02		C	1.0686E+01	5.2876E-01	7.4026E+07
Layer Chickens Sold	1.40E+08	71	6.9212E+02			1.0686E+01	9.3621E-02	1.3107E+07
Broilers Inventory	1.40E+08		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Broilers Sold	1.40E+08	0	6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Turkeys Inventory	9.50E+07	0	6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Turkeys Sold	9.50E+07	0	6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Ducks Inventory	2.50E+09	28	6.9212E+02		C	1.0686E+01	3.6921E-02	9.2302E+07
Ducks Sold	2.50E+09		6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Geese Inventory	4.90E+10	53	6.9212E+02		C	1.0686E+01	6.9886E-02	3.4244E+09
Geese Sold	4.90E+10	19	6.9212E+02			1.0686E+01	2.5053E-02	1.2276E+09

Animal Type	Fecal Coliform Load Produced by Animals (cts/animal/day)	Number of Animals in Escambia County	County Area (mi <sup>2</sup> )	Animal Density in Escambia County (#/mi <sup>2</sup> )	References	Bayou Chico Watershed Drainage Area (mi <sup>2</sup> )	Number of Animals in Bayou Chico Watershed	Load Produced by Animals in Bayou Chico Watershed (cts/day)
Emus (~Geese)	4.90E+10		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Ostriches (~Geese)	4.90E+10		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Pheasants (~Geese) Inventory	4.90E+10		6.9212E+02		C, E	1.0686E+01	0.0000E+00	0.0000E+00
Pheasants (~Geese) Sold	4.90E+10		6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Pigeons or Squab Inventory	1.60E+08		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Pigeons or Squab Sold	1.60E+08		6.9212E+02			1.0686E+01	0.0000E+00	0.0000E+00
Quail (~Pigeon)	1.60E+08		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Other			6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Rabbits Inventory	2.53E+09	24	6.9212E+02		J, K	1.0686E+01	3.1646E-02	8.0097E+07
Rabbits Sold	2.53E+09	0	6.9212E+02		J, K	1.0686E+01	0.0000E+00	0.0000E+00
<b>TOTAL LIVESTOCK</b>			<b>6.9212E+02</b>		<b>C</b>	<b>1.0686E+01</b>	<b>0.0000E+00</b>	<b>2.3819E+12</b>
<b>WILDLIFE</b>								
			<b>6.9212E+02</b>		<b>C</b>	<b>1.0686E+01</b>		
Alligators			6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Black Bears			6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Raccoons	1.25E+08		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Beavers	2.50E+08		6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Deer	5.00E+08	8.7020E+03	6.9212E+02		C, I	1.0686E+01	4.3286E+01	2.1643E+10
Dolphin, Porpoise, Manatee			6.9212E+02		C	1.0686E+01	0.0000E+00	0.0000E+00
Waterfowl	4.90E+10	5.4260E+03	6.9212E+02		C, I	1.0686E+01	2.6990E+01	1.3225E+12
Wild Pigs	1.08E+10		6.9212E+02		C, I	1.0686E+01	0.0000E+00	0.0000E+00
<b>TOTAL WILDLIFE</b>			<b>6.9212E+02</b>		<b>C</b>	<b>1.0686E+01</b>		<b>1.3442E+12</b>
<b>DOMESTIC ANIMALS</b>								
			<b>6.9212E+02</b>		<b>C</b>	<b>1.0686E+01</b>		
Dogs	5.00E+09	4.6388E+03	6.9212E+02	0.58*HH	F	1.0686E+01	3.6917E+03	1.8459E+13
Cats	5.00E+09	5.2787E+03	6.9212E+02	0.66*HH	F	1.0686E+01	4.2009E+03	2.1005E+13
Horses and Ponies–Pets	4.20E+08	3.9990E+02	6.9212E+02	0.05*HH	F	1.0686E+01	3.1825E+02	1.3367E+11
<b>TOTAL DOMESTIC</b>			<b>6.9212E+02</b>			<b>1.0686E+01</b>		<b>3.9597E+13</b>
<b>SEPTIC–HUMAN IMPACTS</b>								
			<b>6.9212E+02</b>			<b>1.0686E+01</b>		
Human	2.00E+09		6.9212E+02			1.0686E+01		
Sewer Line Leaks	6.89E+09		6.9212E+02			1.0686E+01		6.9393E+11
Houseboats–Nonmarina	2.00E+09		6.9212E+02		C	1.0686E+01		
Boats–Marina Slips	2.00E+09		6.9212E+02			1.0686E+01	9.9800E+02	1.9960E+12

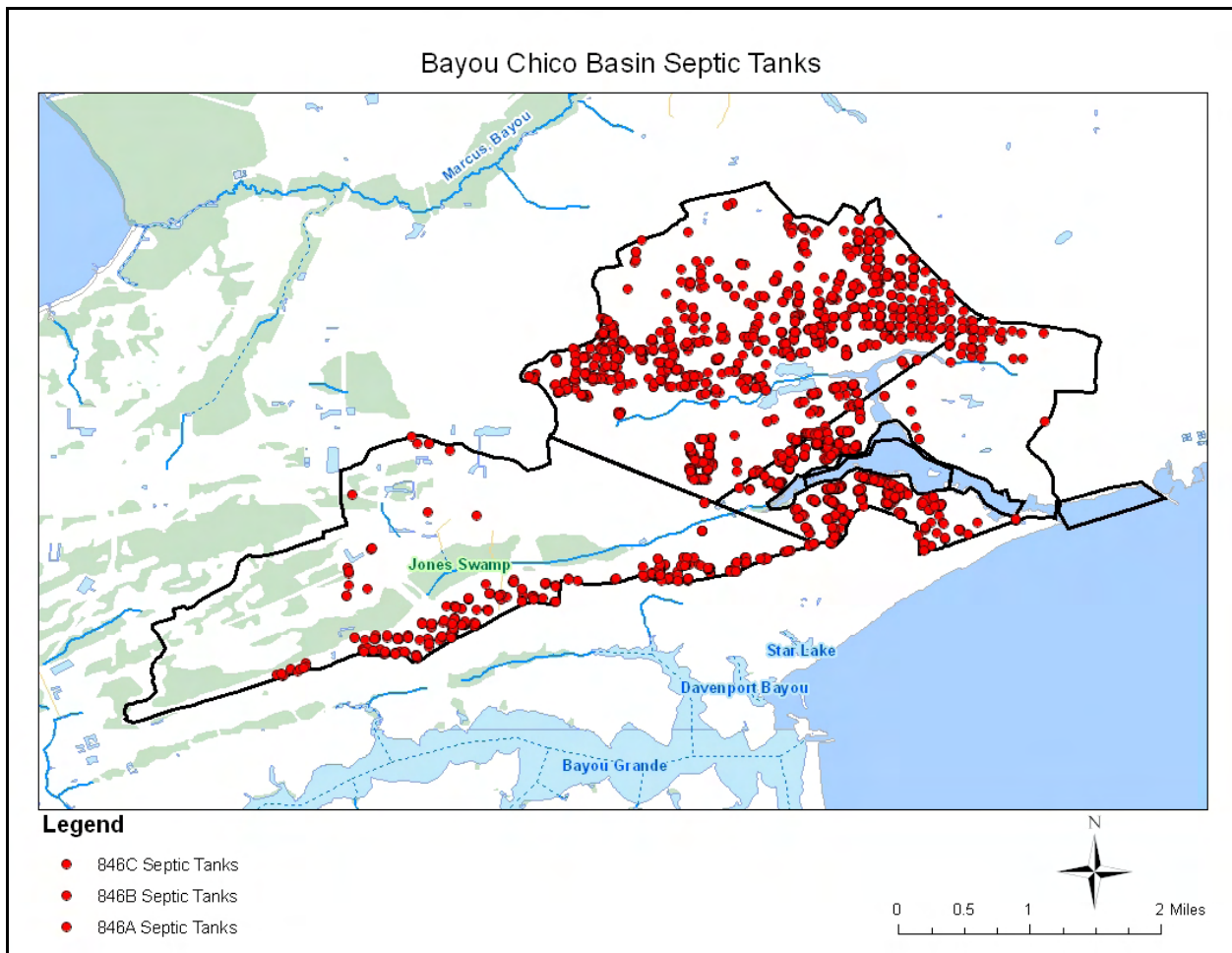
Animal Type	Fecal Coliform Load Produced by Animals (cts/animal/day)	Number of Animals in Escambia County	County Area (mi <sup>2</sup> )	Animal Density in Escambia County (#/mi <sup>2</sup> )	References	Bayou Chico Watershed Drainage Area (mi <sup>2</sup> )	Number of Animals in Bayou Chico Watershed	Load Produced by Animals in Bayou Chico Watershed (cts/day)
Septic Tanks Failed	6.89E+09		6.9212E+02			1.0686E+01	1.9419E+02	1.3378E+12
Septic Tanks Normal			6.9212E+02			1.0686E+01		
Septic Tanks-ATU	2.76E+08		6.9212E+02		H	1.0686E+01		
<b>TOTAL SEPTIC</b>			<b>6.9212E+02</b>			<b>1.0686E+01</b>		<b>4.0277E+12</b>
<b>AQUACULTURE</b>								
Fish Farms			6.9212E+02			1.0686E+01	0.0000E+00	
Fish Farms Sold			6.9212E+02			1.0686E+01	0.0000E+00	
Oyster Houses			6.9212E+02			1.0686E+01	0.0000E+00	
<b>TOTAL AQUACULTURE</b>			<b>6.9212E+02</b>			<b>1.0686E+01</b>	<b>0.0000E+00</b>	
<b>TOTAL</b>			<b>6.9212E+02</b>			<b>1.0686E+01</b>	<b>0.0000E+00</b>	<b>4.7351E+13</b>

#### REFERENCES

- A USDA Census, 2002; Notes A–D indicate confidential data not available at
- B Assume 1 animal per household\* 7,180 housing units=7,180.
- C EPA, 2001. Available: [http://www.epa.gov/owow/tmdl/pathogen\\_all.pdf](http://www.epa.gov/owow/tmdl/pathogen_all.pdf).
- D American Society of Agricultural and Biological Engineers, 1998. Available: <http://www.asae.org>.
- E Estimated from similar animals.
- F American Veterinary Medical Association, 2002. Available: <http://www.avma.org>.  
Dogs=0.58\*Households, Cats=0.66\*HH, Horses=0.05\*HH.
- G Speas, 2004. Range of 500 to 1,900 cfu/100mL or 96 percent removal, use one ATU=0.04\*6.89E09 cfu/day.
- H EPA, 2008. Available: <http://www.epa.gov/region1/assistance/ceitts/wastewater/techs/delta.html>.
- I Knight, 2003.
- J Available: <http://www.bae.ncsu.edu/programs/extension/manure>.
- K Rhode Island Department of Environmental Management, 2003. *Table 8*.

## Loading From Boats in the Bayou Chico Watershed

Marina	Number of Boat Slips	Pumpout (Y or N)	Number of Humans per Boat	Fecal Load/Person (cfu/day)	Fecal Load (cfu/day)	Fecal Load (cfu/year)
Island Cove	89	N	2	2.00E+09	3.5600E+11	1.2994E+14
Pensacola Shipyard	54	Y	2	2.00E+09	2.1600E+11	7.8840E+13
Bell Marine	34	N	2	2.00E+09	1.3600E+11	4.9640E+13
Browns Marina	91	N	2	2.00E+09	3.6400E+11	1.3286E+14
Chico Marina	40	N	2	2.00E+09	1.6000E+11	5.8400E+13
Steam Sheack	59	N	2	2.00E+09	2.3600E+11	8.6140E+13
Mahogany Landing	65	N	2	2.00E+09	2.6000E+11	9.4900E+13
Bahia Mar	69	N	2	2.00E+09	2.7600E+11	1.0074E+14
Pensacola Yacht Club	52	N	2	2.00E+09	2.0800E+11	7.5920E+13
<b>TOTAL:</b>	<b>499</b>	<b>N</b>	<b>2</b>	<b>2.00E+09</b>	<b>1.996E+12</b>	<b>7.2854E+14</b>



## Appendix C: Summary of Permitted Point Source Loads and Decay Rates

Not applicable; all dischargers were discontinued.

## Appendix D: Summary of Measured External Loads

### Summary of Fecal Coliform Data in Pensacola Bay, WBID 548D, 1993–2005

Year	Mean Fecal Coliform Concentration (cfu/100mL) in WBID 548D
1993	49.67
1994	110.60
1995	49.06
1996	36.10
1997	38.75
1998	49.39
1999	17.58
2000	11.85
2001	48.14
2002	42.41
2003	36.93
2004	195.47
2005	56.38
<b>YEARLY AVERAGE:</b>	<b>57.10</b>

### Calculation of External Load to the Bayou Chico Watershed (based on fecal coliform brought into the watershed with the tide)

Surface Area of Tidal Portion of Bayou Chico Watershed (mi <sup>2</sup> ) <sup>A</sup>	Tidal Range (feet/12 hours) <sup>B</sup>	Tidal Flow into Bayou Chico Watershed (cfs)	Mean of Fecal Coliform data from Pensacola Bay, WBID 548D (cfu/100mL) <sup>C</sup>	External Load to Bayou Chico Watershed (cfu/day)
0.35	1.3	294.53	57.10	<b>4.11E+11</b>

A. From ESRI ArcGIS, ArcMap 9.1, based on areas of GIST\_IDs 15143 and 15186 within TIGER 2005 Water (Areas) layer.

B. Value for Station Number 4373, Pensacola Bay, 2 miles south of Warrington--from U.S. Department of Commerce, 1994.

C. Based on mean of yearly average fecal coliform data for all available years (1993 and 2005), from the Department's IWR Run 25.

## Appendix E: Summary of Effluent Data

<b>Florida Department of Environmental Protection</b> <b>Wastewater Facility Regulation - Discharge Monitoring Reports</b> <b>Monitoring Data Download Report</b> <b>Facility Id: <span style="color: #00AEEF;">FLA010049</span></b> <b>Monitoring Group:</b> <b>for 01/01/1990 to 01/01/2010</b> <b>Report Generated from DOPPLER on 4/30/2007</b>												
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Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	12/30/1996	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	12/30/1996	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	12/30/1996		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	2	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/30/1996		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	4	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	2/28/1997	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	2/28/1997		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	4/30/1997	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	4/30/1997		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/1997	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	6/30/1997		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		1.5	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	2/28/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	2/28/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	4/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	4/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK



Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	5/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R001	6/30/1998		1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MK
FLA010049	Moreno Courts	DW	R001	6/30/1998		1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R001	6/30/1998		Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-003	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		130	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		24	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	6/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	8/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	8/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	8/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		92	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	9/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		92	#/100 mL	DD
FLA010049	Moreno Courts	DW	MWI-010	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		1,700	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	9/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-003	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	9/30/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		430	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	10/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	10/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	10/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	11/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	11/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		ND	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	12/30/1998	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		ND	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	12/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/30/1998		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWC-011	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWB-001	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/1998			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	1/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	1/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	1/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	2/28/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	2/28/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	3/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	3/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	3/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-007	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-015	3/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	4/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	4/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	5/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	5/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	6/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	6/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	8/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	8/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		23	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	9/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	9/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NA	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	11/30/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	11/30/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/31/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	12/31/1999	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=9	#/100 mL	DD

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWB-001	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		640	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	12/31/1999		A	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-003	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/1999			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	1/31/2000	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		0	#/100 mL	MK
FLA010049	Moreno Courts	DW	R-001	1/31/2000	EFF		P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		0	#/100 mL	DD
FLA010049	Moreno Courts	DW	R-001	1/31/2000		Y	P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/29/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	2/29/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	2/29/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	3/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	3/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	3/31/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWC-007	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-011	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	4/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	4/30/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/31/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	5/31/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	6/30/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	6/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWB-001	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-014	6/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	7/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		MRN	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	7/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		MRN	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	7/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General		1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		4	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	8/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		4	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	9/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		MRN	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	9/30/2000	EFF-01	1	P 74055	Coliform, Fecal General		MRN	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	9/30/2000	EFF-01	Y	P 74055	Coliform, Fecal General		1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	9/30/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	10/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General		1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	10/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	10/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	11/30/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	11/30/2000	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	12/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	12/31/2000	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	12/31/2000	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		16,000	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/2000			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	1/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	1/31/2001	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	1/31/2001	EFF-01	1	P 74055	Coliform, Fecal General		ANC	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	2/28/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/2001	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	2/28/2001	EFF-01	1	P 74055	Coliform, Fecal General		MNR	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	3/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-003	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA



Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-011	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	4/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	4/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	5/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	5/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	6/30/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	6/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWB-001	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	6/30/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	7/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	7/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	7/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	8/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	8/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	8/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	9/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	10/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	10/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	10/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-003	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWI-010	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	10/31/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	11/1/2001			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	11/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	11/30/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	11/30/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/31/2001	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	12/31/2001	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	1/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	1/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	1/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	2/28/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	3/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	3/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWC-011	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-007	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	4/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	4/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	5/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	5/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	5/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	6/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWB-001	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-015	6/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	7/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	7/31/2002	EFF-01	1	P 74055	Coliform, Fecal General		4	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	7/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	8/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	9/30/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	9/30/2002	EFF-01	1	P 74055	Coliform, Fecal General		8	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWC-015	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	9/30/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	10/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	10/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	10/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	11/30/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	11/30/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	12/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	12/31/2002	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	12/31/2002	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/2002			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	1/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	1/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	1/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	2/28/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/28/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	2/28/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	3/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	3/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWB-001	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWI-010	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	4/30/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	4/30/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	5/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	5/31/2003	EFF-01	1	P 74055	Coliform, Fecal General		10	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	6/30/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	6/30/2003	EFF-01	1	P 74055	Coliform, Fecal General		6	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	6/30/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-007	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-015	6/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	7/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	7/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	7/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	8/31/2003	EFF-01	1	P 74055	Coliform, Fecal General		0	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	8/31/2003	EFF-01	1	P 74055	Coliform, Fecal General		0	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	8/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General		0	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		2	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	9/30/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	10/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	10/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	10/31/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	11/30/2003	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	11/30/2003	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	12/31/2003	EFF-01	Y	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	12/31/2003	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	12/31/2003	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MB



Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWB-001	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/2003			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	1/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	1/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	1/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/29/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	2/29/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	2/29/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	2/29/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	3/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	3/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWC-003	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	MWC-012	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWB-001	3/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	R-001	4/30/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	4/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	4/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	5/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	10	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	5/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	5/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	10	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	6/30/2004	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	6/30/2004	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	6/30/2004	EFF-01	Y	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	AB
FLA010049	Moreno Courts	DW	MWB-001	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	6/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		NODI=B	#/100 mL	SA

Facility ID	Facility Name	Facility Type	Monitoring Group	Date	Monitoring Location	PCS Code	Parameter Code	Description	Result Qualifier	Result	Units	Statistical Base
FLA010049	Moreno Courts	DW	R-001	7/31/2004	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	7/31/2004	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	7/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	8/31/2004	EFF-01	1	P 74055	Coliform, Fecal General		NODI=B	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	8/31/2004	EFF-01	1	P 74055	Coliform, Fecal General		2	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	9/30/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	9/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	9/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	10/31/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	10/31/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	10/31/2004	EFF-01	1	P 74055	Coliform, Fecal General		14	#/100 mL	MB
FLA010049	Moreno Courts	DW	R-001	11/30/2004	EFF-01	Y	P 74055	Coliform, Fecal General	LT	1	#/100 mL	AB
FLA010049	Moreno Courts	DW	R-001	11/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MM
FLA010049	Moreno Courts	DW	R-001	11/30/2004	EFF-01	1	P 74055	Coliform, Fecal General	LT	1	#/100 mL	MB
FLA010049	Moreno Courts	DW	MWB-001	12/30/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-003	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-007	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWI-010	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C		4	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-011	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-012	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-013	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-014	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA
FLA010049	Moreno Courts	DW	MWC-015	12/31/2004			P 31616	Coliform, Fecal MF, M-FC Broth,44 5C	LT	1	#/100 mL	SA

## Appendix F: Summary of Photos and News Articles

(All photos from the Department's March 28, 2007 fieldwork)

*Jones Creek at South Fairfield Drive, upstream*



*Jones Creek at North Navy Boulevard, upstream*





*Jones Creek at North Navy Boulevard, downstream*



*Jones Creek at North Old Corry Field Road, upstream*





*Northwest Arm of Bayou Chico at North Old Corry Field Road, downstream*



*Northeast Arm of Bayou Chico at North W Street, downstream*



*Bayou Chico at North Navy Boulevard, upstream*



*Bayou Chico at North Navy Boulevard, downstream*





## Appendix G: Bayou Chico Watershed Data

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
<b>Bayou Chico, WBID 846</b>											
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1993	4	4	1350	6.00	100	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1993	7	18	1715	2.00	1,500	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1993	10	17	855	3.00	900	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1994	1	17	1345	5.00	110	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1994	4	17	1115	2.00	200	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1994	7	17	1310	4.00	100	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1995	1	22	1130	2.00	100	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1995	4	16	853	3.00	70	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1995	7	16	1514	3.00	5	U
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1995	10	15	1445	2.00	80	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1996	1	21	1030	3.00	260	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1996	4	21	945	5.00	110	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1996	7	21	905	1.50	60	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1996	10	13	1132	3.00	60	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1997	1	26	945	3.00	840	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1997	4	20	950	3.00	20	U
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1997	9	21	1015	0.50	1,240	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1997	12	21	940	3.50	60	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1998	3	15	930	2.00	140	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1998	6	22	1226	0.50	360	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1998	10	6	1144	0.50	280	Q
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1998	12	20	1128	2.00	20	U
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1999	3	21	1025	0.50	40	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1999	6	21	1215	0.50	400	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	1999	9	19	1000	0.50	6,000	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1999	9	19	1321	0.50	660	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	1999	12	7	1357	0.50	400	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	1999	12	7	1342	0.50	20	



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2000	3	5	1200	0.50	770	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2000	3	5	1150	0.50	50	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2000	6	4	1140	0.50	70	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2000	6	4	1119	0.50	70	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2000	9	10	1243	0.50	1,900	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2000	9	10	1230	0.50	2,700	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2000	12	3	1150	0.50	120	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2000	12	3	1155	0.50	100	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2000	12	3	1134	0.50	100	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2001	3	4	1142	0.50	940	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2001	3	4	1130	0.50	1,260	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2001	6	3	1122	0.50	2,250	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2001	6	3	1111	0.50	250	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2001	9	9	1238	0.50	6,350	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2001	9	9	1225	0.50	3,000	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2001	12	2	1220	0.50	360	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2001	12	2	1210	0.50	80	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2002	3	3	1202	0.50	185	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2002	3	3	1154	0.50	130	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2002	6	2	1330	0.50	80	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2002	6	2	1320	0.50	10	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2002	9	8	1312	0.50	80	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2002	9	8	1253	0.50	350	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2002	12	8	1152	0.15	85	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2003	3	2	1202	0.15	40	
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2003	3	2	1149	0.15	70	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2003	6	2	1157	0.15	2	U
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2003	6	2	1246	0.15	10	U
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2003	6	2	1157	0.15	28	
846	21FLBFA33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2003	9	7	1203	0.15	4	B
846	21FLBFA3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2003	9	7	1154	0.15	1,800	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2003	12	7	1239	0.15	140	A
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2003	12	7	1227	0.15	40	Q
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2003	12	7	1232	0.15	42	Q
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	2	18	930	0.15	50	
846	21FLPNS 3302JE23	Bayou Chico Frisco Tres Cen Chan	30.408333	-87.258333	2004	2	18	1025	0.15	12	A
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2004	3	7	1126	0.15	26	B
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2004	3	7	1116	0.15	188	A
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	5	17	1025	0.15	20	B
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	5	17	1030	0.15	21	B
846	21FLPNS 3302JE23	Bayou Chico Frisco Tres Cen Chan	30.408333	-87.258333	2004	5	17	1000	0.15	13	B
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2004	6	7	1114	0.15	5	B
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2004	6	7	1104	0.15	600	
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	7	28	1400	0.15	112	
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	7	28	1405	0.15	124	
846	21FLPNS 3302JE23	Bayou Chico Frisco Tres Cen Chan	30.408333	-87.258333	2004	7	28	1430	0.15	205	B
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2004	9	12	1254	0.15	10	Z
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2004	9	12	1237	0.15	90	
846	21FLPNS 3302JBC3	Bayou Chico TMDL WBID site 846-3	30.402694	-87.250528	2004	11	23	1219	0.15	126	B
846	21FLPNS 3302JBC6	Bayou Chica TMDL wbid site 846-6 PNS Yacht Club @ mouth Byu	30.399667	-87.24075	2004	11	23	1257	0.15	400	
846	21FLPNS 3302JE23	Bayou Chico Frisco Tres Cen Chan	30.408333	-87.258333	2004	11	23	1143	0.15	802	B
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2004	12	5	1345	0.15	3,650	A
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2004	12	5	1330	0.15	210	Q
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2005	3	6	1235	0.15	14	A
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2005	3	6	1215	0.15	18	B
846	21FLBFA 33020JF1	Bayou Chico at "W" Street	30.415444	-87.251472	2005	6	6	1151	0.15	1,182	B
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2005	6	6	1131	0.15	73	B
846	21FLBFA 3302JE20	Bayou Chico at Navy Blvd Bridge	30.411417	-87.258861	2005	6	6	1135	0.15	36	B
<b>Jones Creek, WBID 846A</b>											
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1993	4	4	1340	1.00	250	Q
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1993	7	18	1700	1.00	700	Q

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1993	10	17	820	1.00	5,700	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1994	1	17	1317	1.00	1,600	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1994	4	17	1055	1.00	340	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1994	7	17	1237	1.50	370	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1995	1	22	1115	0.50	1,500	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1995	4	16	904	1.00	220	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1995	7	16	1532	0.50	2,000	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1995	10	15	1415	1.00	500	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1996	1	21	1105	1.50	500	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1996	4	21	1000	1.50	130	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1996	7	21	831	1.00	5	Z
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1996	10	13	1106	0.50	440	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1997	1	26	925	0.50	680	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1997	4	20	920	0.50	20	U
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1997	12	21	920	0.50	460	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1998	3	15	912	0.50	40	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1998	6	22	1205	0.50	10	Z
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1998	10	6	1125	0.50	400	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1998	12	20	1105	0.50	140	Q
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1999	3	21	1000	0.50	220	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1999	6	21	1200		630	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1999	6	21	1205	0.50	510	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1999	9	19	1256	0.50	2,600	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	1999	12	7	1308	0.50	620	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2000	3	5	1127	0.50	660	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2000	6	4	1054	0.50	1,400	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2000	9	10	1200	0.50	810	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2000	9	10	1205	0.50	1,100	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2000	12	3	1104	0.50	10	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2001	3	4	1107	0.50	200	
846A	21FLBFA33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2001	6	3	1044	0.50	6,000	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2001	9	9	1203	0.50	580	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2001	12	2	1150	0.50	550	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2002	3	3	1129	0.50	250	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2002	6	2	1300	0.50	80	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2002	9	8	1233	0.50	900	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2002	12	8	1123	0.15	140	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2003	3	2	1135	0.15	220	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2003	6	2	1142	0.15	28	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2003	6	2	1157	0.15	28	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2003	9	7	1135	0.15	114	Q
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2003	12	7	1205	0.15	64	Q
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2004	3	7	1055	0.15	44	A
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	3	24	805	0.15	106	
846A	21FLPNS 33020211	TMDL Wbid # 846A-2 Jones Cr @ Fairfield Dr	30.389528	-87.308528	2004	3	24	830	0.15	14	B
846A	21FLPNS 33020211	TMDL Wbid # 846A-2 Jones Cr @ Fairfield Dr	30.389528	-87.308528	2004	3	24	837	0.15	22	B
846A	21FLPNS 33020213	TMDL Wbid # 846A-4 Jones Cr @ Waycross Ave.	30.3815	-87.325611	2004	3	24	920	0.15	50	
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	5	27	1000	0.15	4,300	
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	5	27	1020	0.15	10	B
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	5	27	1040	0.15	210	
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	5	27	1100	0.15	10	B
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	5	27	1130	0.15	250	A
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2004	6	7	1041	0.15	44	A
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	6	30	930	0.15	3,600	
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2004	9	12	1212	0.15	10	Z
846A	21FLPNS 33020210	TMDL Wbid # 846A-1 Jones Cr @ New Warrington Rd.	30.397861	-87.277306	2004	12	1	1222	0.15	1	K
846A	21FLPNS 33020211	TMDL Wbid # 846A-2 Jones Cr @ Fairfield Dr	30.389528	-87.308528	2004	12	1	1133	0.15	1	K

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846A	21FLPNS 33020213	TMDL Wbid # 846A-4 Jones Cr @ Waycross Ave.	30.3815	-87.325611	2004	12	1	1113	0.15	64	B
846A	21FLPNS 33020216	TMDL Wbid site 846A-7 Jones Cr @ gate by PJC west Campus	30.395222	-87.285222	2004	12	1	1157	0.15	18	B
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2004	12	5	1300	0.15	900	B
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2005	3	6	1150	0.15	91	B
846A	21FLBFA 33020118	Jones Creek at Old Corry Road	30.399083	-87.273667	2005	6	6	1042	0.15	718	B
<b>Jackson Creek, WBID 846B</b>											
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1993	4	4	1405	2.00	1,500	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1993	10	17	910	1.00	2,700	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1994	1	17	1332	1.00	1	Z
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1994	4	17	1105	1.00	180	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1994	7	17	1252	1.00	470	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1995	1	22	1100	0.50	2,200	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1995	4	16	928	5.00	500	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1995	7	16	1554	1.00	3,900	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1995	10	15	1400	0.50	460	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1996	1	21	1053	1.00	140	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1996	4	21	1015	1.00	3,200	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1996	7	21	847	1.50	1,260	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1996	10	13	1120	2.00	180	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1997	1	26	935	1.00	260	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1997	4	20	935	1.00	200	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1997	9	21	1000	0.50	290	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1997	12	21	930	0.50	60	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1998	3	15	920	0.50	100	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1998	6	22	1215	0.50	10	Z
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1998	10	6	1114	0.50	930	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1998	12	20	1115	0.50	220	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1999	3	21	1012	0.50	320	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1999	6	21	1150	0.50	620	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1999	9	19	1307	0.50	900	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	1999	12	7	1322	0.50	140	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2000	3	5	1136	0.50	910	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2000	6	4	1105	0.50	140	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2000	9	10	1210	0.50		
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2000	12	3	1118	0.50	240	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2001	3	4	1119	0.50	2,200	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2001	6	3	1055	0.50	6,000	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2002	3	3	1140	0.50	1,810	
846B	21FLGW 17375	NWD-SL-1017 UNNAMED LAKE	30.41144	-87.270695	2003	3	19	1600	0.50	1	K
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2003	6	2	1150	0.15	6	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2003	6	2	1155	0.15	2	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2003	6	2	1200	0.15	6	
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2003	9	7	1143	0.15	2	B
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2003	12	7	1217	0.15	270	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2004	3	7	1105	0.15	2	B
846B	21FLPNS 33020218	TMDL Wbid # 846B-1 Jackson Cr @ W st. West side	30.41525	-87.251528	2004	3	10	953	0.15	64	
846B	21FLPNS 33020219	TMDL Wbid # 846B-2 Jackson Cr behind Frank Pattis house	30.416806	-87.255694	2004	3	10	1035	0.15	46	
846B	21FLPNS 33020220	TMDL Wbid # 846B-3 Jackson Cr @head water of Bayou Chico	30.414056	-87.265944	2004	3	10	1110	0.15	42	
846B	21FLPNS 33020220	TMDL Wbid # 846B-3 Jackson Cr @head water of Bayou Chico	30.414056	-87.265944	2004	3	10	1115	0.15	30	B
846B	21FLPNS 33020221	Jackson Cr @ Old Corry Rd-also 33020136	30.411889	-87.274958	2004	3	10	1145	0.15	16	B
846B	21FLPNS 33020218	TMDL Wbid # 846B-1 Jackson Cr @ W st. West side	30.41525	-87.251528	2004	5	26	1000	0.15	106	
846B	21FLPNS 33020219	TMDL Wbid # 846B-2 Jackson Cr behind Frank Pattis house	30.416806	-87.255694	2004	5	26	1020	0.15	172	B
846B	21FLPNS 33020220	TMDL Wbid # 846B-3 Jackson Cr @head water of Bayou Chico	30.414056	-87.265944	2004	5	26	1045	0.15	450	
846B	21FLPNS 33020221	Jackson Cr @ Old Corry Rd-also 33020136	30.411889	-87.274958	2004	5	26	1120	0.15	134	B
846B	21FLPNS 33020221	Jackson Cr @ Old Corry Rd-also 33020136	30.411889	-87.274958	2004	5	26	1125	0.15	157	B
846B	21FLPNS 33020222	TMDL Wbid # 846B-5 Jackson Cr New Warrington Rd	30.411028	-87.276806	2004	5	26	1200	0.15	126	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2004	6	7	1053	0.15	72	
846B	21FLPNS 33020219	TMDL Wbid # 846B-2 Jackson Cr behind Frank Pattis house	30.416806	-87.255694	2004	6	30	1110	0.15	1,475	A
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2004	9	12	1224	0.15	6,300	B
846B	21FLPNS 33020218	TMDL Wbid # 846B-1 Jackson Cr @ W st. West side	30.41525	-87.251528	2004	12	2	1215	0.15	127	B
846B	21FLPNS 33020218	TMDL Wbid # 846B-1 Jackson Cr @ W st. West side	30.41525	-87.251528	2004	12	2	1220	0.15	145	B
846B	21FLPNS 33020220	TMDL Wbid # 846B-3 Jackson Cr @head water of Bayou Chico	30.414056	-87.265944	2004	12	2	1145	0.15	290	
846B	21FLPNS 33020221	Jackson Cr @ Old Corry Rd-also 33020136	30.411889	-87.274958	2004	12	2	1023	0.15	1,064	B
846B	21FLPNS 33020222	TMDL Wbid # 846B-5 Jackson Cr New Warrington Rd	30.411028	-87.276806	2004	12	2	1005	0.15	873	B
846B	21FLPNS 33020223	TMDL Wbid # 846B-6 Jackson Cr @ Larkfield Rd	30.412278	-87.270639	2004	12	2	1035	0.15	655	B
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2004	12	5	1310	0.15	2,900	Q
846B	21FLBFA 33020136	Jackson Creek at Old Corry Road	30.411583	-87.274861	2005	6	6	1115	0.15	636	B
<b>Bayou Chico Drain, WBID 846C</b>											
846C	21FLPNS 33020JA1	Bayou Chico Barrancas Ave Bridge	30.399531	-87.243067	2004	2	18	905	0.15	210	
846C	21FLPNS 33020JA1	Bayou Chico Barrancas Ave Bridge	30.399531	-87.243067	2004	5	17	1045	0.15	11	B
846C	21FLPNS 33020JA1	Bayou Chico Barrancas Ave Bridge	30.399531	-87.243067	2004	7	28	1341	0.15	114	
846C	21FLPNS 33020JA1	Bayou Chico Barrancas Ave Bridge	30.399531	-87.243067	2004	11	23	1245	0.15	520	
<b>Bayou Chico Beach, WBID 846CB</b>											
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	9	9	1052	0.50	1,080	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	9	9	1052	0.50	1,080	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	9	16	1130	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	9	16	1130	0.50	20	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	9	23	1140	0.50	180	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	9	23	1140	0.50	180	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	9	30	1323	0.50	12	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	9	30	1323	0.50	12	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	10	7	925	0.50	52	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	10	7	925	0.50	52	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	10	14	926	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	10	14	926	0.50	40	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	10	21	1335	0.50	5	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	10	21	1335	0.50	5	U
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	10	28	1334	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	10	28	1334	0.50	20	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	11	4	1215	0.50	10	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	11	4	1215	0.50	10	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	11	12	1050	0.50	164	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	11	12	1050	0.50	164	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	11	18	845	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	11	18	845	0.50	80	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	11	25	1153	0.50	4	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	11	25	1153	0.50	4	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	12	2	1230	0.50	196	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	12	2	1230	0.50	196	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	12	9	745	0.50	80	B



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	12	9	745	0.50	80	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	12	16	950	0.50	84	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	12	16	950	0.50	84	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1997	12	23	750	0.50	140	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1997	12	23	750	0.50	140	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	1	13	1010	0.50	630	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	1	13	1010	0.50	630	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	1	20	850	0.50	193	A
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	1	20	850	0.50	193	A
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	1	27	1008	0.50	110	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	1	27	1008	0.50	110	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	2	3	1020	0.50	510	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	2	3	1020	0.50	510	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	2	10	1128	0.50	40	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	2	10	1128	0.50	40	Q
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	2	17	955	0.50	132	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	2	17	955	0.50	132	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	2	24	949	0.50	44	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	2	24	949	0.50	44	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	3	3	1040	0.50	100	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	3	3	1040	0.50	100	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	3	10	1017	0.50	400	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	3	10	1017	0.50	400	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	3	17	920	0.50	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	3	17	920	0.50	100	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	3	24	947	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	3	24	947	0.50	60	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	3	31	918	0.50	36	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	3	31	918	0.50	36	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	4	7	835	0.50	44	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	4	7	835	0.50	44	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	4	14	830	0.50	52	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	4	14	830	0.50	52	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	4	21	920	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	4	21	920	0.50	60	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	4	28	1240	0.50	160	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	4	28	1240	0.50	160	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	5	5	900	0.50	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	5	5	900	0.50	70	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	5	12	910	0.50	70	J
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	5	12	910	0.50	70	J
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	5	19	909	0.50	200	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	5	19	909	0.50	200	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	5	26	1008	0.50	128	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	5	26	1008	0.50	128	Q
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	6	2	934	0.50	8	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	6	2	934	0.50	8	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	6	9	945	0.50	24	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	6	9	945	0.50	24	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	6	16	959	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	6	16	959	0.50	10	U
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	6	23	942	0.50	200	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	6	23	942	0.50	210	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	6	30	934	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	6	30	934	0.50	10	U
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	7	7	935	0.50	180	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	7	7	935	0.50	180	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	7	14	730	0.50	20	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	7	14	1110	0.50	20	U
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	7	21	1423	0.50	20	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	7	21	1423	0.50	20	Q
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	7	28	854	0.50	20	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	7	28	854	0.50	20	Q

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	8	4	926	0.50	740	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	8	4	926	0.50	740	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	8	11	923	0.50	20	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	8	11	923	0.50	20	Q
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	8	18	855	0.50	880	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	8	18	855	0.50	880	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	8	25	958	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	8	25	958	0.50	20	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	9	1	1341	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	9	1	1341	0.50	20	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	9	8	947	0.50	730	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	9	8	947	0.50	730	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	9	15	1405	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	9	15	1405	0.50	20	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	9	22	843	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	9	22	843	0.50	40	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	10	6	1320	0.50	220	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	10	6	1320	0.50	220	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	10	13	913	0.50	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	10	13	913	0.50	100	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	10	20	916	0.50	200	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	10	20	916	0.50	200	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	10	27	830	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	10	27	830	0.50	40	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	11	3	1047	0.50	3,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	11	3	1047	0.50	3500	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	11	9	1015	0.50	280	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	11	9	1015	0.50	280	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	11	17	933	0.50	400	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	11	17	933	0.50	400	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	11	23	1050	0.50	4,600	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	11	23	1050	0.50	4,600	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	12	1	955	0.50	920	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	12	1	955	0.50	920	
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	12	8	1015	0.50	300	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	12	8	1015	0.50	300	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	12	15	1000	0.50	240	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	12	15	1000	0.50	240	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	12	21	1500	0.50	160	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	12	21	1500	0.50	160	B
846CB	21FLA 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.4043	-87.2609	1998	12	29	935	0.50	300	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1998	12	29	935	0.50	300	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	5	1056	0.15	120	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	5	1056	0.50	120	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	12	925	0.15	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	12	925	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	19	955	0.15	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	19	955	0.50	40	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	26	950	0.15	190	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	1	26	950	0.50	190	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	2	920	0.15	610	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	2	920	0.50	610	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	8	950	0.15	650	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	9	850	0.50	650	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	16	1030	0.15	80	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	16	1030	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	2	23	925	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	3	2	1005	0.50	10	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	3	9	955	0.50	760	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	3	16	1000	0.50	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	3	23	942	0.50	190	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	3	30	924	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	4	6	955	0.50	120	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	4	13	950	0.50	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	4	20	944	0.50	210	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	4	27	1016	0.50	140	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	5	4	958	0.50	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	5	11	945	0.50	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	5	18	800	0.50	90	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	5	25	932	0.50	1,000	Z
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	6	1	949	0.50	240	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	6	8	920	0.50	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	6	15	850	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	6	23	920	0.50	240	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	6	29	1055	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	7	6	1000	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	7	13	957	0.50	170	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	7	20	916	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	7	27	1100	0.50	430	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	8	3	955	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	8	10	920	0.50	170	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	8	17	916	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	8	24	931	0.50	280	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	8	31	918	0.50	130	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	9	7	947	0.50	330	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	9	14	946	0.50	190	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	9	21	937	0.50	1,600	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	9	28	952	0.50	90	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	10	5	940	0.50	1,200	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	10	12	930	0.50	650	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	10	19	955	0.50	170	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	10	26	1000	0.50	370	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	11	2	1010	0.50	300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	11	8	949	0.50	470	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	11	16	1000	0.50	50	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	11	22	935	0.50	4,900	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	11	30	955	0.50	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	12	7	920	0.50	130	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	12	14	830	0.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	12	20	830	0.50	3,700	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	1999	12	27	800	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	1	4	820	0.50	170	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	1	11	926	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	1	18	923	0.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	1	25	925	0.50	200	



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	2	1	910	0.50	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	2	8	1005	0.50	10	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	2	15	920	0.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	2	22	947	0.50	310	A
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	2	29	920	0.50	330	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	3	7	920	0.50	440	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	3	14	800	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	3	21	1000	0.50	170	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	3	28	920	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	4	4	835	0.50	120	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	4	11	930	0.50	340	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	4	18	941	0.50	10	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	4	25	952	0.50	2,000	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	5	2	1033	0.50	2,900	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	5	9	955	0.50	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	5	16	1015	0.50	670	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	5	23	1020	0.50	20	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	5	30	958	0.50	400	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	6	6	930	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	6	13	1000	0.50	240	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	6	20	945	0.50	250	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	6	27	1014	0.50	14,000	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	7	5	1036	0.50	80	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	7	11	1023	0.50	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	7	18	1007	0.50	10	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	7	25	1445	0.50	10	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	7	31	0	1.50	10	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	8	1	1000	0.50	160	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	8	8	1500	0.50	10	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	8	14	0	1.50	80	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	8	15	915	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	8	22	925	0.50	1,020	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	8	28	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	8	29	953	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	9	5	955	0.50	290	A
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	9	12	1005	0.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	9	19	0	1.50	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	9	19	1025	0.50	90	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	9	26	0	1.50	110	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	9	26	937	0.50	410	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	10	3	1005	0.50	170	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	10	10	0	1.50	110	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	10	10	923	0.50	50	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	10	17	938	0.50	270	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	10	23	0	1.50	500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	10	24	933	0.50	1,900	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	10	26	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	10	31	935	0.50	90	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	11	7	0	1.50	1,300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	11	7	1000	0.50	270	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	11	14	1030	0.50	170	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	11	20	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	11	21	1002	0.50	130	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	11	28	944	0.50	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	12	5	0	1.50	80	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	12	5	1005	0.50	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	12	12	1044	0.50	60	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2000	12	19	0	1.50	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	12	19	1105	0.50	50	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2000	12	26	1000	0.50	110	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	1	2	1018	0.50	20	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	1	3	0	1.50	160	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	1	9	1040	0.50	10	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	1	15	0	1.50	80	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	1	16	1012	0.50	260	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	1	23	1015	0.50	40	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	1	29	0	1.50	300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	1	30	1007	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	2	6	1004	0.50	30	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	2	12	0	1.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	2	13	1140	0.50	60	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	2	20	1048	0.50	30	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	2	26	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	2	27	1041	0.50	90	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	3	6	1036	0.50	30	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	3	13	0	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	3	13	1000	0.50	410	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	3	16	0	1.50	150	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	3	20	1030	0.50	260	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	3	27	0	1.50	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	3	27	1005	0.50	110	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	4	3	945	0.50	130	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	4	10	0	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	4	10	941	0.50	1	Z
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	4	16	0	1.50	170	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	4	17	953	0.50	230	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	4	24	0	1.50	300	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	4	25	1010	0.50	90	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	5	1	1135	0.50	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	5	2	0	1.50	20	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	5	8	0	1.50	300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	5	8	936	0.50	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	5	15	1000	0.50	150	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	5	22	0	1.50	130	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	5	22	1000	0.50	480	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	5	29	950	0.50	20	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	6	5	0	1.50	1,300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	6	5	950	0.50	440	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	6	12	915	0.50	160	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	6	13	0	1.50	300	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	6	19	0	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	6	19	1005	0.50	270	Q
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	6	26	1012	0.50	200	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	7	2	1050	0.50	1,000	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	7	3	0	1.50	800	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	7	10	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	7	10	945	0.50	10	U
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	7	17	0	1.50	170	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	7	17	955	0.50	390	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	7	24	1015	0.50	50	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	7	31	930	0.50	25,000	J
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	8	1	0	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	8	7	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	8	7	1025	0.50	80	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	8	14	0	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	8	14	1000	0.50	90	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	8	21	935	0.50	1,300	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	8	23	0	1.50	70	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	8	28	0	1.50	80	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	8	28	1004	0.50	350	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	9	4	1042	0.50	180	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	9	11	0	1.50	170	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	9	11	1030	0.50	240	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	9	18	1015	0.50	180	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	9	18	1020	0.50	140	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	9	25	0	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	9	25	955	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	10	2	950	0.50	60	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	10	9	0	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	10	9	1022	0.50	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	10	16	1003	0.50	230	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	10	23	0	1.50	1,300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	10	23	946	0.50	150	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	10	30	0	1.50	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	10	30	929	0.50	270	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	11	6	0	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	11	6	940	0.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	11	13	1015	0.50	160	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	11	19	0	1.50	140	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	11	19	1008	0.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	11	27	958	0.50	130	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	12	4	0	1.50	300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	12	4	955	0.50	640	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	12	11	0	1.50	220	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	12	11	1034	0.50	1,100	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2001	12	18	0	1.50	500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2001	12	18	1010	0.50	780	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	1	2	1435	0.50	70	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	1	3	0	1.50	40	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	1	8	1600	0.50	10	U
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	1	15	0	1.50	500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	1	15	1005	0.50	490	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	1	22	958	0.50	30	J

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	1	29	0	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	1	29	1023	0.50	420	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	2	5	941	0.50	100	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	2	12	0	1.50	110	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	2	12	942	0.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	2	12	947	0.50	150	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	2	19	927	0.50	60	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	2	26	0	1.50	153	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	2	26	946	0.50	120	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	3	5	1019	0.50	90	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	3	12	1134	1.50	117	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	3	12	1023	0.50	40	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	3	19	958	0.15	160	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	3	26	956	1.50	90	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	3	26	1021	0.15	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	4	2	1009	0.15	250	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	4	9	1234	1.50	81	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	4	9	1009	0.15	100	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	4	16	958	0.15	180	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	4	23	1135	1.50	9	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	4	23	922	0.15	120	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	4	30	933	0.15	20	B



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	5	7	1148	1.50	18	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	5	7	936	0.15	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	5	14	926	0.15	7,400	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	5	21	1149	1.50	117	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	5	21	1026	0.15	20	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	5	28	932	0.15	900	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	6	3	1134	1.50	9	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	6	4	937	0.15	190	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	6	11	943	0.15	400	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	6	18	1128	1.50	18	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	6	18	1004	0.15	30	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	6	25	1000	0.15	70	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	1	1017	0.15	700	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	7	2	1213	1.50	9	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	9	1253	0.15	570	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	9	1258	0.15	380	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	7	16	1148	1.50	18	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	16	920	0.15	10	U
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	23	935	0.15	30	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	7	30	905	1.50	757	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	7	30	1005	0.15	340	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	8	6	1015	0.15	3,100	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	8	7	904	1.50	613	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	8	12	1204	1.50	54	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	8	13	1008	0.15	40	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	8	19	1119	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	8	20	1003	0.15	70	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	8	21	1011	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	8	26	1306	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	8	27	1030	0.15	190	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	9	3	1244	1.50	802	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	9	3	950	0.15	1,000	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	9	9	1147	1.50	27	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	9	10	1010	0.15	100	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	9	16	1149	1.50	81	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	9	17	1006	0.15	110	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	9	23	1252	1.50	8	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	9	24	1000	0.15	220	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	9	30	1242	1.50	658	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	10	1	1021	0.15	640	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	10	7	1136	1.50	180	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	10	8	1015	0.15	170	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	10	14	1203	1.50	210	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	10	15	1000	0.15	1,000	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	10	21	1157	1.50	1,500	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	10	22	1545	0.15	180	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	10	23	1208	1.50	72	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	10	28	1219	1.50	520	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	10	29	1027	0.15	360	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	11	4	1258	1.50	667	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	11	5	1020	0.15	420	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	11	12	1136	1.50	1,360	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	11	12	1005	0.15	2,100	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	11	18	1202	1.50	108	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	11	19	957	0.15	150	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	11	25	1221	1.50	380	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	11	25	1029	0.15	310	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	12	2	1217	1.50	18	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	3	1045	0.15	260	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	3	1050	0.15	320	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	12	9	1204	1.50	153	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	10	954	0.15	270	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	12	16	1208	1.50	8	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	17	1030	0.15	40	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	12	23	1137	1.50	230	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	23	1015	0.15	330	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2002	12	30	1232	1.50	36	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2002	12	30	952	0.15	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	1	6	1206	1.50	63	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	1	7	1038	0.15	100	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	1	13	1159	1.50	250	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	1	14	1010	0.15	140	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	1	21	1208	1.50	9	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	1	21	1019	0.15	10	U
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	1	27	1136	1.50	54	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	1	28	948	0.15	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	2	3	1208	1.50	36	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	2	4	1010	0.15	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	2	10	649	1.50	45	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	2	11	1035	0.15	70	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	2	17	936	1.50	171	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	2	18	1503	0.15	50	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	2	24	918	1.50	108	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	2	25	1000	0.15	170	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	3	3	952	1.50	117	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	3	4	1003	0.15	40	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	3	10	926	1.50	250	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	3	10	1015	0.15	410	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	3	17	946	1.50	370	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	3	18	920	0.15	200	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	3	24	1223	1.50	18	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	3	25	943	0.15	80	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	3	31	936	1.50	81	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	1	1009	0.15	20	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	4	7	939	1.50	90	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	8	947	0.15	320	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	4	14	917	1.50	72	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	15	954	0.15	26	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	4	21	934	1.50	90	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	22	1026	0.15	240	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	4	28	933	1.50	99	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	29	957	0.15	138	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	4	29	1000	0.15	110	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	5	5	1150	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	5	5	1004	0.15	98	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	5	7	909	1.50	132	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	5	12	918	1.50	187	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	5	13	1010	0.15	230	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	5	19	934	1.50	1,118	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	5	20	1015	0.15	210	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	5	21	1124	1.50	1,500	
846CB	21FLDOH ESCAMBI	FL869739	30.402873	-87.260603	2003	5	27	934	1.50	220	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
	A96										
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	5	27	1003	0.15	132	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	6	2	1209	1.50	47	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	6	3	1032	0.15	112	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	6	9	1118	1.50	58	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	6	10	1031	0.15	136	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	6	16	1112	1.50	210	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	6	17	1022	0.15	100	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	6	23	1122	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	6	24	1025	0.15	670	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	6	25	1140	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	7	1	1325	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	7	1	1028	0.15	320	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	7	7	1200	1.50	947	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	7	8	1022	0.15	360	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	7	14	1143	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	7	15	1021	0.15	1,680	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	7	21	946	1.50	132	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	7	22	1010	0.15	2,200	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	7	28	1255	1.50	1,039	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	7	29	945	0.15	270	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	8	4	1014	1.50	722	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	8	5	1049	0.15	265	A

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	8	11	1147	1.50	1,300	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	8	12	1514	0.15	540	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	8	18	1148	1.50	410	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	8	19	1004	0.15	740	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	8	25	1045	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	8	26	1009	0.15	570	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	9	2	1121	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	2	1017	0.15	460	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	9	8	1127	1.50	1,164	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	9	1003	0.15	535	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	9	15	1151	1.50	517	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	16	1049	0.15	840	B
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	16	1054	0.15	1,070	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	9	22	1154	1.50	1,500	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	23	1001	0.15	10	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	9	29	1211	1.50	232	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	9	30	1027	0.15	104	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	10	6	1129	1.50	280	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	10	7	1030	0.15	102	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	10	13	1122	1.50	220	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	10	20	1141	1.50	20	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	10	21	1043	0.15	64	
846CB	21FLDOH ESCAMBI	FL869739	30.402873	-87.260603	2003	10	27	1145	1.50	1,500	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
	A96										
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	10	28	1004	0.15	114	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	10	29	1153	1.50	124	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	11	3	1035	1.50	194	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	11	4	1015	0.15	190	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	11	10	1110	1.50	25	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	11	12	1045	0.15	190	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	11	17	1055	1.50	100	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	11	18	1014	0.15	290	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	11	24	1201	1.50	570	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	11	24	1045	0.15	600	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	12	1	1243	1.50	19	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	12	2	1045	0.15	64	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	12	8	1210	1.50	148	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	12	9	1040	0.15	72	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	12	15	1218	1.50	124	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	12	16	1021	0.15	180	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	12	22	1143	1.50	84	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	12	22	1045	0.15	80	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2003	12	29	1155	1.50	61	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2003	12	29	1014	0.15	86	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	1	5	1200	1.50	28	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	1	6	1035	0.15	220	



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	1	12	1119	1.50	8	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	1	13	1040	0.15	12	A
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	1	20	1123	1.50	61	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	1	20	1039	0.15	90	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	1	26	1150	1.50	148	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	1	27	1017	0.15	76	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	2	2	1212	1.50	160	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	2	3	1010	0.15	114	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	2	3	1015	0.15	76	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	2	10	1023	0.15	102	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	2	17	1155	1.50	100	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	2	17	1018	0.15	74	
846CB	21FLPNS 3302JBC4	Bayou Chico TMDL WBID site 846-4	30.404833	-87.2595	2004	2	18	1005	0.15	50	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	2	23	1027	1.50	96	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	2	24	1032	0.15	610	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	3	1	1140	1.50	31	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	3	2	1026	0.15	138	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	3	8	1150	1.50	33	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	3	9	1026	0.15	34	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	3	15	1130	1.50	92	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	3	16	1016	0.15	108	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	3	22	1145	1.50	19	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	3	23	1101	0.15	16	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	3	29	1148	1.50	19	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	3	30	1000	0.15	70	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	4	5	1200	1.50	8	
846CB	21FLPNS 33020JD4	S W Arm Bayou Chico near Park N of Mandalay Dr	30.404278	-87.260861	2004	4	6	1016	0.15	104	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	4	12	1222	1.50	25	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	4	19	1102	1.50	1,431	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	4	21	1324	1.50	340	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	4	26	1147	1.50	11	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	5	3	1150	1.50	220	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	5	10	1147	1.50	96	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	5	17	1136	1.50	78	
846CB	21FLPNS 3302JBC4	Bayou Chico TMDL WBID site 846-4	30.404833	-87.2595	2004	5	17	1015	0.15	30	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	5	24	1130	1.50	681	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	5	26	954	1.50	2	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	6	1	1130	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	6	7	1136	1.50	96	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	6	14	1128	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	6	21	1130	1.50	230	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	6	28	1225	1.50	140	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	7	6	1128	1.50	440	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	7	13	835	1.50	380	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	7	19	1115	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	7	21	927	1.50	64	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	7	26	1148	1.50	224	
846CB	21FLPNS 3302JBC4	Bayou Chico TMDL WBID site 846-4	30.404833	-87.2595	2004	7	28	1421	0.15	220	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	8	2	1110	1.50	520	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	8	9	1130	1.50	148	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	8	16	1113	1.50	152	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	8	23	1128	1.50	773	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	8	30	1253	1.50	886	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	9	7	1153	1.50	33	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	10	5	1055	1.50	603	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	10	11	1055	1.50	1,500	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	10	18	1023	1.50	242	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	10	25	1030	1.50	80	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	11	1	1045	1.50	69	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	11	8	1109	1.50	81	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	11	15	1110	1.50	360	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	11	22	1013	1.50	519	
846CB	21FLPNS 3302JBC4	Bayou Chico TMDL WBID site 846-4	30.404833	-87.2595	2004	11	23	1155	0.15	802	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	11	29	1040	1.50	390	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	12	6	1047	1.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	12	13	1105	1.50	164	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	12	20	1056	1.50	196	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2004	12	27	1047	1.50	156	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	1	3	1038	1.50	104	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	1	10	1050	1.50	104	B
846CB	21FLDOH ESCAMBI	FL869739	30.402873	-87.260603	2005	1	18	1041	1.50	104	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
	A96										
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	1	24	1050	1.50	180	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	1	25	1409	1.50	0	U
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	1	31	1055	1.50	36	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	2	7	1042	1.50	112	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	2	14	1112	1.50	560	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	2	21	1234	1.50	11	U
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	2	28	1041	1.50	17	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	3	7	1115	1.50	39	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	3	14	1107	1.50	360	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	3	21	1112	1.50	53	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	3	28	1114	1.50	42	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	4	4	1058	1.50	317	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	4	11	1120	1.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	4	13	1113	1.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	4	18	1059	1.50	257	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	4	25	1139	1.50	340	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	5	2	1045	1.50	827	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	5	9	1105	1.50	594	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	5	16	1007	1.50	380	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	5	23	1122	1.50	152	
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	6	2	1107	1.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	6	6	1256	1.50	636	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	6	13	1235	1.50	672	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	6	20	1210	1.50	1,500	B
846CB	21FLDOH ESCAMBI A96	FL869739	30.402873	-87.260603	2005	6	27	1059	1.50	673	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	7	5			1,200	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	7	18			782	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	7	25			330	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	8	1			1,218	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	8	8			510	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	8	15			539	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	8	22			1,500	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	8	31			1,500	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	9	6			136	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	9	12			370	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	9	19			581	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	9	26			1,500	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	10	3			310	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	10	10			84	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	10	17			88	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	10	24			80	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	10	31			53	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	11	7			842	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	11	9			214	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	11	14			92	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	11	21			25	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	11	28			1,500	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	12	5			658	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	12	12			14	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	12	19			216	
846CB	21FLDOH ESCAMBI A7	Bayou Chico	30.4029	-87.2606	2005	12	27			108	
<b>Sanders Beach, WBID 848DA</b>											
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	7	31	0	1.50	10	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	8	14	0	1.50	70	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	8	28	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	9	19	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	9	26	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	10	10	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	10	23	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	11	7	0	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	11	20	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	12	5	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2000	12	19	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	1	3	0	1.50	19	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	1	15	0	1.50	500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	1	29	0	1.50	70	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	2	12	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	2	26	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	3	12	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	3	27	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	4	10	0	1.50	500	
848DA	21FLDOH ESCAMBI	FL186633	30.400246	-87.236832	2001	4	24	0	1.50	300	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
	A91										
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	5	8	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	5	22	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	6	5	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	6	19	0	1.50	80	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	6	26	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	7	3	0	1.50	230	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	7	17	0	1.50	230	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	8	1	0	1.50	500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	8	14	0	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	8	21	0	1.50	70	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	8	28	0	1.50	80	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	9	11	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	9	25	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	10	9	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	10	23	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	11	6	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	11	19	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	12	4	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2001	12	18	0	1.50	130	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	1	3	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	1	15	0	1.50	20	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	1	29	0	1.50	40	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	2	12	0	1.50	20	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	2	26	0	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	3	13	949	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	3	27	1117	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	4	9	1309	1.50	420	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	4	23	1150	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	5	7	1204	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	5	21	1206	1.50	1	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	6	3	1157	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	6	18	1143	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	7	2	1226	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	7	16	1203	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	7	30	1149	1.50	180	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	8	7	918	1.50	280	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	8	12	1217	1.50	27	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	8	19	1134	1.50	180	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	8	26	1321	1.50	1	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	3	1303	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	9	1206	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	16	1206	1.50	595	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	18	1112	1.50	541	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	23	1308	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	9	30	1300	1.50	455	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	10	7	1148	1.50	27	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	10	14	1218	1.50	300	



WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	10	21	1217	1.50	171	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	10	28	1247	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	11	4	1312	1.50	18	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	11	12	1204	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	11	18	1216	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	11	25	1236	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	12	2	1236	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	12	9	1222	1.50	18	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	12	16	1234	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	12	23	1208	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2002	12	30	1249	1.50	230	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	1	6	1219	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	1	13	1207	1.50	27	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	1	21	1227	1.50	171	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	1	27	1211	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	2	3	1235	1.50	81	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	2	10	638	1.50	18	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	2	17	923	1.50	81	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	2	24	908	1.50	27	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	3	3	942	1.50	36	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	3	10	907	1.50	36	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	3	17	932	1.50	892	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	3	24	1231	1.50	72	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	3	31	922	1.50	9	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	4	7	909	1.50	36	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	4	14	908	1.50	9	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	4	21	919	1.50	54	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	4	28	913	1.50	36	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	5	5	1201	1.50	300	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	5	12	908	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	5	19	922	1.50	450	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	5	21	1149	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	5	27	919	1.50	100	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	6	2	1218	1.50	6	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	6	9	1133	1.50	50	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	6	16	1129	1.50	42	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	6	23	1131	1.50	176	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	7	1	1334	1.50	675	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	7	7	1213	1.50	1,356	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	7	14	1150	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	7	21	934	1.50	308	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	8	4	953	1.50	469	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	8	11	1200	1.50	440	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	8	18	1200	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	8	25	1058	1.50	755	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	9	2	1135	1.50	120	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	9	8	1148	1.50	176	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	9	15	1204	1.50	1,500	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	9	22	1207	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	9	29	1240	1.50	39	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	10	6	1144	1.50	148	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	10	13	1136	1.50	25	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	10	20	1155	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	10	27	1154	1.50	120	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	11	3	1048	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	11	10	1120	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	11	17	1104	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	11	24	1220	1.50	31	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	12	1	1300	1.50	6	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	12	8	1225	1.50	14	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	12	15	1235	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	12	22	1209	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2003	12	29	1210	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	1	5	1215	1.50	144	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	1	12	1135	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	1	20	1131	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	1	26	1205	1.50	6	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	2	2	1225	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	2	9	1156	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	2	17	1209	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	2	23	1011	1.50	80	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	3	1	1158	1.50	11	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	3	8	1203	1.50	172	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	3	15	1142	1.50	14	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	3	22	1158	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	3	29	1159	1.50	19	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	4	5	1212	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	4	12	1230	1.50	320	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	4	19	1113	1.50	104	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	4	26	1200	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	4	28	1016	1.50	6	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	5	3	1205	1.50	3	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	5	10	1157	1.50	8	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	5	17	1148	1.50	17	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	5	24	1144	1.50	2	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	6	1	1143	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	6	7	1149	1.50	27	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	6	14	1142	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	6	21	1141	1.50	208	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	6	28	1236	1.50	120	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	7	6	1140	1.50	61	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	7	13	915	1.50	44	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	7	19	1127	1.50	6	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	7	26	1200	1.50	647	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	7	28	1005	1.50	33	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	2	1123	1.50	360	

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	9	1142	1.50	430	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	11	1055	1.50	180	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	16	1127	1.50	28	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	23	1143	1.50	203	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	8	30	1303	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	9	1	957	1.50	556	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	9	7	1207	1.50	132	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	10	5	1116	1.50	420	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	10	11	1107	1.50	1,500	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	10	18	1043	1.50	597	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	10	25	1050	1.50	17	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	11	1	1100	1.50	56	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	11	8	1125	1.50	2	U
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	11	15	1126	1.50	67	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	11	22	1027	1.50	31	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	11	29	1056	1.50	72	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	12	6	1101	1.50	600	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	12	8	1022	1.50	136	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	12	13	1128	1.50	33	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	12	20	1110	1.50	3	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2004	12	27	1101	1.50	6	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	1	3	1050	1.50	84	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	1	10	1104	1.50	84	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	1	18	1058	1.50	56	B

WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	1	24	1105	1.50	17	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	1	31	1109	1.50	3	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	2	7	1058	1.50	42	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	2	14	1130	1.50	17	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	2	21	1255	1.50	61	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	2	28	1057	1.50	19	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	3	7	1130	1.50	11	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	3	14	1127	1.50	53	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	3	21	1121	1.50	100	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	3	28	1128	1.50	31	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	4	4	1113	1.50	253	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	4	6	1004	1.50	0	U
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	4	11	1135	1.50	86	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	4	18	1120	1.50	44	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	4	25	1154	1.50	72	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	5	2	1034	1.50	200	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	5	9	1119	1.50	104	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	5	16	1021	1.50	33	U
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	5	23	1141	1.50	3	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	5	31	1245	1.50	689	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	2	1136	1.50	84	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	6	1309	1.50	17	B
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	13	1248	1.50	210	
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	20	1226	1.50	210	

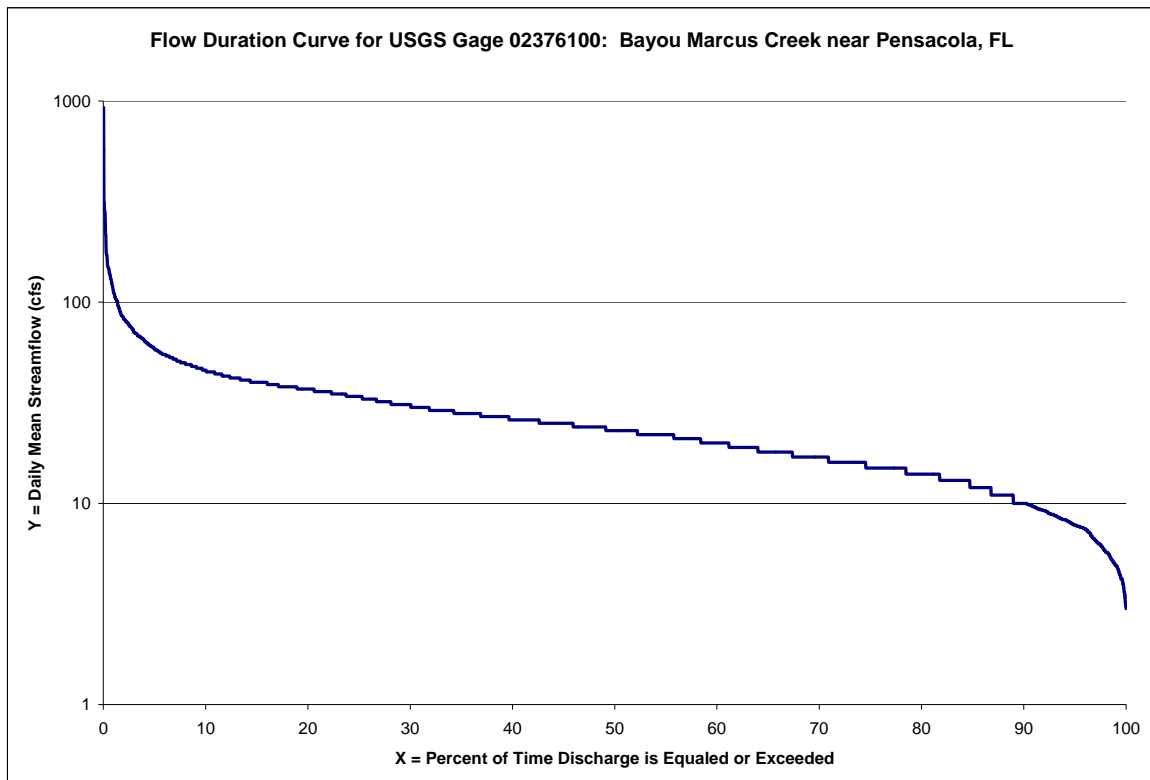
WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	22	1024	1.50	0	U
848DA	21FLDOH ESCAMBI A91	FL186633	30.400246	-87.236832	2005	6	27	1111	1.50	11	B
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	6	27			11	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	7	5			164	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	7	18			310	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	7	25			92	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	1			78	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	8			212	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	15			8	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	22			1,500	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	24			156	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	8	31			1,500	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	9	6			17	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	9	12			11	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	9	19			6	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	9	26			946	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	9	28			276	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	10	3			28	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	10	10			2	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	10	17			3	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	10	24			3	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	10	31			6	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	11	7			17	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	11	14			8	

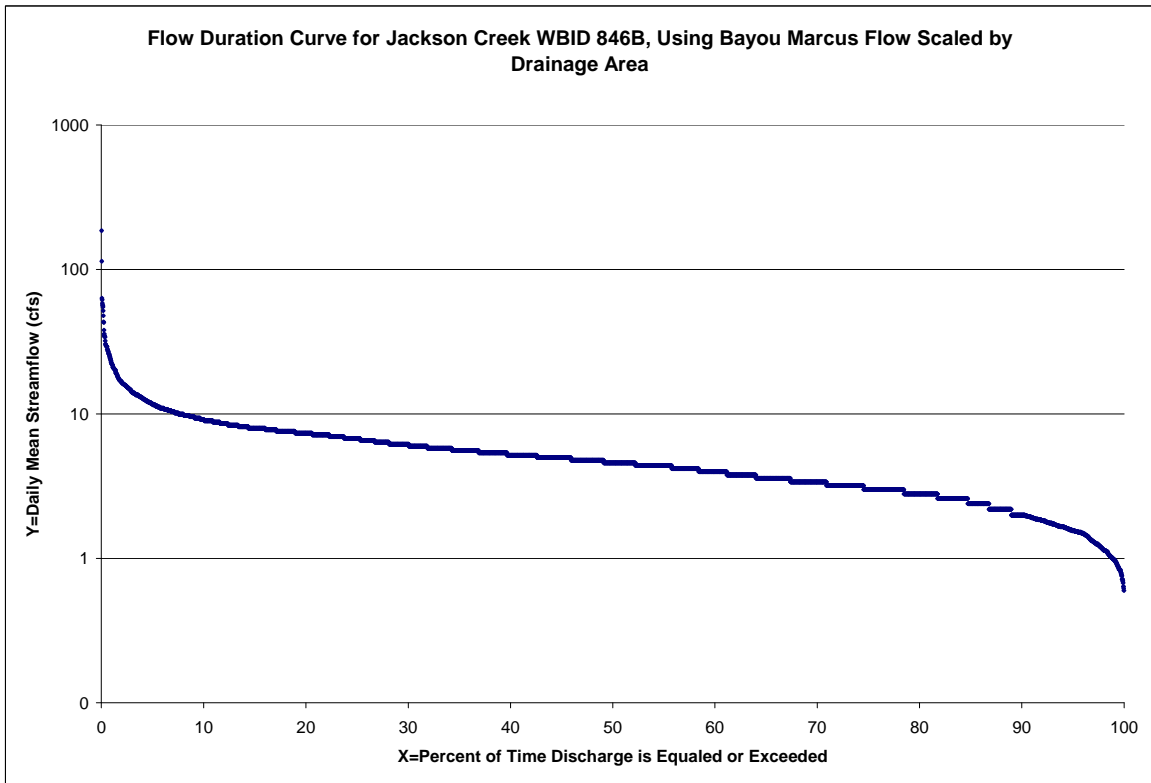
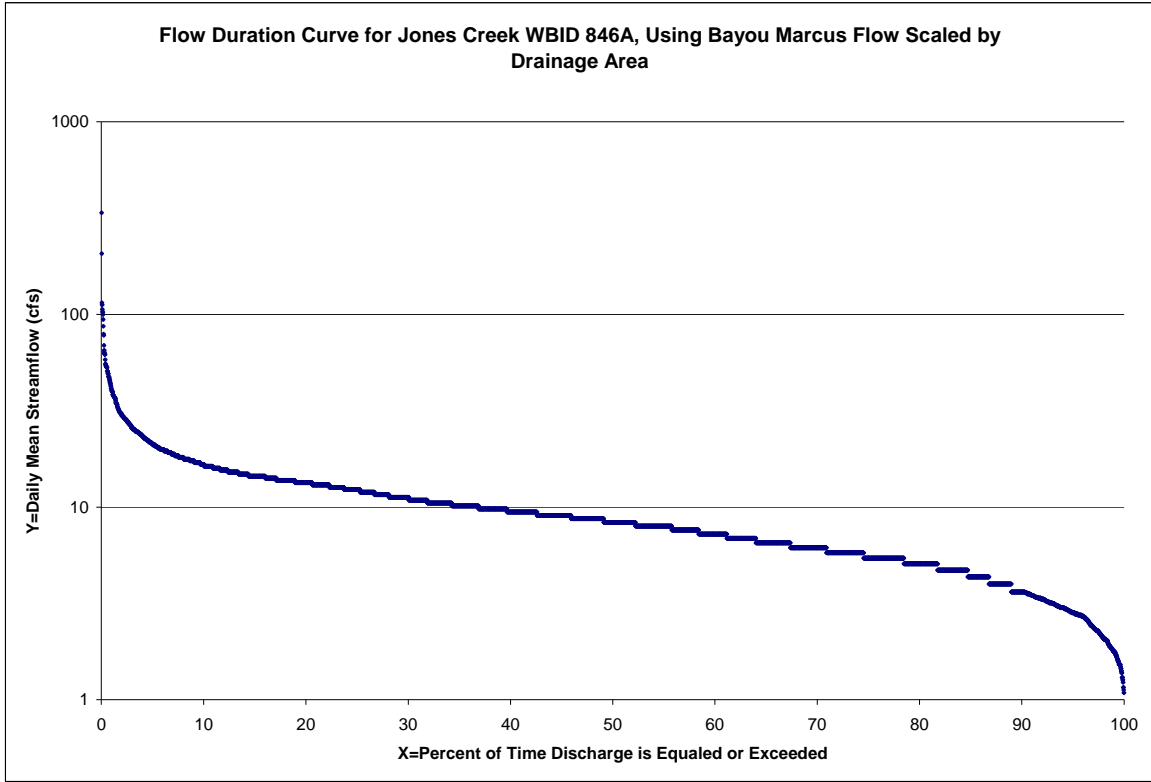
WBID	Station ID	Station Name	Latitude	Longitude	Year	Month	Day	Time	Depth	Result (cfu/100mL)	Remark Code
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	11	21			64	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	11	28			430	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	11	30			17	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	12	5			56	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	12	12			3	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	12	19			11	
848DA	21FLDOH ESCAMBI A3	Sanders Beach	30.4002	-87.2368	2005	12	27			6	



## Appendix H: USGS Gage Flow Data

USGS Gage Number	Gage Name	Latitude	Longitude	Daily Streamflow Period of Record	
				Beginning	End
02376100	Bayou Marcus Creek near Pensacola, FL	302653	871726	2/12/1958	10/2/2006





## Appendix I: Ground Water Data in the Pensacola Basin

### Coliform and Metals Statistics

GENERATING STATISTICS				
ANALYTE GROUP:	SRA INDICATORS			
NETWORK:	ALL			
WATER RESOURCE:	CONFINED UNCONFINED			
TMDL BASIN:	PENSACOLA			
COLLECTION DATE:	FROM: 1-JAN-1980 TO: 4-MAY-2006			
RESULTS:	MAX PER WELL			
Parameter Name	Coliform, Fecal (MF)	Coliform, Fecal (MPN)	Iron, Total	Manganese, Total
Parameter Code	31616	31625	1045	1055
Units	#/100ml	#/100m	ug/L	ug/L
<b>Total Wells</b>	89	1	114	114
<b>Number BDLs</b>	66	0	1	15
<b>Number MCL/GCL Exceedances</b>	NA	NA	64	52
<b>Percent MCL/GCL Exceedances</b>	NA	NA	56.10%	45.60%
<b>Minimum</b>	0	0.79	7.5	1.6
<b>1st Quartile</b>	0	0.79	96.25	12
<b>Median</b>	0	0.79	570	40
<b>3rd Quartile</b>	2	0.79	2975	125
<b>Maximum</b>	900	0.79	173000	4100
<b>Interquartile Range</b>	2	0	2878.75	113
<b>Mean</b>	21.404	0.79	7244.504	157.887
<b>Standard Deviation</b>	110.702	0	21840.208	431.227
<b>Relative Standard Deviation</b>	517.20%	0%	301.47%	273.12%
<b>Standard Error</b>	11.734	0	2045.523	40.388
<b>Variance</b>	12254.835	0	476994694	185956.76
<b>Coefficient of Skewness</b>	580.044	0	969.016	1005.644
<b>Number Risk Indicators</b>	11	0	NA	NA
<b>Percent Risk Indicators</b>	12.40%	0%	NA	NA
<b>Number SRA Indicators</b>	2	0	64	30
<b>Percent SRA Indicators</b>	2.20%	0%	56.10%	26.30%

## Nutrient Statistics

GENERATING STATISTICS						
ANALYTE GROUP:	NUTRIENT					
NETWORK:	ALL					
WATER RESOURCE:	CONFINED UNCONFINED					
TMDL BASIN:	PENSACOLA					
COLLECTION DATE:	FROM: 1-JAN-1980 TO: 4-MAY-2006					
RESULTS:	MAX PER WELL					
Parameter Name	Nitrogen, Dissolved	Organic Nitrogen, Dissolved	Ammonia, Dissolved (as N)	Ammonia, Total (as N)	Nitrite, Dissolved (as N)	Nitrate, Dissolved (as N)
Parameter Code	602	607	608	610	613	618
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Wells	2	3	144	3	8	14
Number BDLs	0	2	22	2	8	4
Number MCL/GCL Exceedances	NA	NA	NA	NA	NA	NA
Percent MCL/GCL Exceedances	NA	NA	NA	NA	NA	NA
Minimum	0.24	0.1	0.005	0.015	0.01	0.005
1st Quartile	0.285	0.1	0.01	0.015	0.01	0.04
Median	0.33	0.1	0.03	0.015	0.01	0.085
3rd Quartile	0.375	0.94	0.1125	0.0255	0.01	1.385
Maximum	0.42	1.78	82	0.036	0.01	10
Interquartile Range	0.09	0.84	0.1025	0.0105	0	1.345
Mean	0.33	0.66	0.892	0.022	0.01	1.336
Standard Deviation	0.127	0.97	7.03	0.012	0	2.709
Relative Standard Deviation	38.49%	146.97%	788.12%	54.55%	0%	202.77%
Standard Error	0.09	0.56	0.586	0.007	0	0.724
Variance	0.016	0.941	49.426	0	0	7.339
Coefficient of Skewness	5196.85	1938.144	376.387	4250	0	1448.136
Number Risk Indicators	NA	NA	NA	NA	0	0
Percent Risk Indicators	NA	NA	NA	NA	0%	0%
Number SRA Indicators	NA	NA	NA	NA	NA	5
Percent SRA Indicators	NA	NA	NA	NA	NA	35.70%

Parameter Name	Nitrate, Total (as N)	Ammonia+Organic Nitrogen, Dissolved	Nitrate+Nitrite, Total (as N)	Nitrate+Nitrite, Dissolved (as N)	Phosphorus, Dissolved (as P)
Parameter Code	620	623	630	631	666
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Total Wells	57	140	3	144	142
Number BDLs	1	65	2	19	43
Number MCL/GCL Exceedances	4	NA	0	NA	NA
Percent MCL/GCL Exceedances	7%	NA	0%	NA	NA
Minimum	0.025	0.03	0.125	0.002	0.002
1st Quartile	0.44	0.1	0.125	0.02	0.01
Median	1.7	0.11	0.125	0.315	0.02
3rd Quartile	4.6	0.25	0.1575	4.4	0.04
Maximum	20	58	0.19	59.6	64
Interquartile Range	4.16	0.15	0.0325	4.38	0.03
Mean	3.168	0.751	0.147	3.066	0.515
Standard Deviation	3.971	4.952	0.038	6.3	5.374
Relative Standard Deviation	125.35%	659.39%	25.85%	205.48%	1043.50%
Standard Error	0.526	0.419	0.022	0.525	0.451
Variance	15.77	24.519	0.001	39.69	28.876
Coefficient of Skewness	1965.248	432.754	8315.789	1410	283.774
Number Risk Indicators	NA	NA	NA	10	NA
Percent Risk Indicators	NA	NA	NA	6.90%	NA
Number SRA Indicators	41	NA	0	69	59
Percent SRA Indicators	71.90%	NA	0%	47.90%	41.50%

Parameter Name	Orthophosphate, Dissolved (as P)	Silica, Dissolved	Orthophosphate, Total (as P)	Ammonia, Dissolved (As NH4)	Nitrate+Nitrite, Dissolved (As NO3)
Parameter Code	671	955	70507	71846	71851
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Total Wells	142	112	57	25	23
Number BDLs	67	0	7	0	0
Number MCL/GCL Exceedances	NA	NA	NA	NA	NA
Percent MCL/GCL Exceedances	NA	NA	NA	NA	NA
Minimum	0.002	2.4	0.005	0.0258	0.13
1st Quartile	0.002	5.6	0.03	0.0258	0.66405
Median	0.025	9	0.1	0.0515	4.0727
3rd Quartile	0.05	12	0.26	0.1159	11.9762
Maximum	30.1	97	1.7	105.6021	70.8288
Interquartile Range	0.048	6.4	0.23	0.0901	11.31215
Mean	0.269	11.664	0.192	5.599	10.84
Standard Deviation	2.53	11.668	0.278	21.409	16.702
Relative Standard Deviation	940.52%	100.03%	144.79%	382.37%	154.08%
Standard Error	0.212	1.103	0.037	4.282	3.483
Variance	6.403	136.152	0.077	458.354	278.957
Coefficient of Skewness	309.091	2227.631	1712.23	782.171	1703.227
Number Risk Indicators	NA	NA	NA	NA	2
Percent Risk Indicators	NA	NA	NA	NA	8.70%
Number SRA Indicators	47	NA	47	NA	NA
Percent SRA Indicators	33.10%	NA	82.50%	NA	NA

## Ground Water/Surface Water Indicators

GENERATING STATISTICS						
ANALYTE GROUP:	GW/SW INDICATORS					
NETWORK:	ALL					
WATER RESOURCE:	CONFINED UNCONFINED					
TMDL BASIN:	PENSACOLA					
COLLECTION DATE:	FROM: 1-JAN-1980 TO: 4-MAY-2006					
RESULTS:	MAX PER WELL					
Parameter Name	Water Temperature	Turbidity	Color	Specific Conductance, Field	Specific Conductance	Oxygen, Dissolved, Field
Parameter Code	10	76	81	94	95	299
Units	degrees C	ntu	Pt-Co	uS/cm	uS/cm	mg/L
<b>Total Wells</b>	150	142	133	150	137	144
<b>Number BDLs</b>	0	18	36	0	0	0
<b>Number MCL/GCL Exceedances</b>	NA	NA	33	NA	NA	NA
<b>Percent MCL/GCL Exceedances</b>	NA	NA	24.80%	NA	NA	NA
<b>Minimum</b>	16.02	0.025	2.5	14	11	0.01
<b>1st Quartile</b>	21.885	0.725	2.5	55.25	39	0.79
<b>Median</b>	22.9	4	5	107	86	5.565
<b>3rd Quartile</b>	23.87	23.25	15	229	190	8.1625
<b>Maximum</b>	29	2400	500	2350	1300	13.4
<b>Interquartile Range</b>	1.985	22.525	12.5	173.75	151	7.3725
<b>Mean</b>	22.919	76.264	33.91	210.56	158.197	5.001
<b>Standard Deviation</b>	1.735	278.475	80.561	304.533	217.761	3.766
<b>Relative Standard Deviation</b>	7.57%	365.15%	237.57%	144.63%	137.65%	75.31%
<b>Standard Error</b>	0.142	23.369	6.986	24.865	18.605	0.314
<b>Variance</b>	3.01	77548.287	6490.09	92740.543	47419.762	14.183
<b>Coefficient of Skewness</b>	26430.548	807.225	1200.705	1722.9	1784.484	2506.107
<b>Number Risk Indicators</b>	NA	65	NA	NA	NA	NA
<b>Percent Risk Indicators</b>	NA	45.80%	NA	NA	NA	NA
<b>Number SRA Indicators</b>	NA	35	33	2	2	64
<b>Percent SRA Indicators</b>	NA	24.60%	24.80%	1.30%	1.50%	44.40%

Parameter Name	Oxygen, Dissolved	pH	pH, Lab	pH, Field	Alkalinity, Total (as CaCO3)	Total Suspended Solids (TSS)
Parameter Code	300	400	403	406	410	530
Units	mg/L	s.u.	s.u.	s.u.	mg/L	mg/L
Total Wells	1	1	8	150	57	45
Number BDLs	0	0	0	0	4	42
Number MCL/GCL Exceedances	NA	1	6	115	NA	NA
Percent MCL/GCL Exceedances	NA	100%	75%	76.70%	NA	NA
Minimum	0.3	3.7	5.4	3.35	0.6096	2
1st Quartile	0.3	3.7	5.975	5.05	6.096	2
Median	0.3	3.7	6.42	5.7	19.5072	2
3rd Quartile	0.3	3.7	6.5625	6.66	93.8784	2
Maximum	0.3	3.7	7.08	10.25	231.648	14
Interquartile Range	0	0	0.5875	1.61	87.7824	0
Mean	0.3	3.7	6.291	5.983	54.294	2.444
Standard Deviation	0	0	0.581	1.297	66.557	1.96
Relative Standard Deviation	0%	0%	9.24%	21.68%	122.59%	80.20%
Standard Error	0	0	0.205	0.106	8.816	0.292
Variance	0	0	0.338	1.681	4429.886	3.843
Coefficient of Skewness	0	0	21433.735	9444.102	2154.166	2720.408
Number Risk Indicators	NA	NA	NA	NA	NA	NA
Percent Risk Indicators	NA	NA	NA	NA	NA	NA
Number SRA Indicators	1	0	6	59	28	NA
Percent SRA Indicators	100%	0%	75%	39.30%	49.10%	NA



Parameter Name	Organic Carbon, Total	Calcium, Dissolved	Calcium, Total	Magnesium, Dissolved	Magnesium, Total	Sodium, Total
Parameter Code	680	915	916	925	927	929
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Wells	150	143	57	143	57	57
Number BDLs	57	0	1	1	0	0
Number MCL/GCL Exceedances	NA	NA	NA	NA	NA	1
Percent MCL/GCL Exceedances	NA	NA	NA	NA	NA	1.80%
Minimum	0.5	0.11	0.025	0.16	0.23	1.5
1st Quartile	0.5	1.45	3	0.7	0.89	4
Median	2	4.87	7	2.1	1.6	6.6
3rd Quartile	7.645	14.55	21	4.35	5.7	11
Maximum	42	146	110	30.5	31	350
Interquartile Range	7.145	13.1	18	3.65	4.81	7
Mean	5.071	11.21	15.047	4.081	4.062	19.775
Standard Deviation	6.697	17.829	21.705	5.417	5.423	52.525
Relative Standard Deviation	132.07%	159.05%	144.25%	132.74%	133.51%	265.61%
Standard Error	0.547	1.491	2.875	0.453	0.718	6.957
Variance	44.854	317.857	471.111	29.341	29.413	2758.858
Coefficient of Skewness	1972.973	1613.102	1757.245	1872.439	1952.056	1003.808
Number Risk Indicators	NA	NA	NA	NA	NA	NA
Percent Risk Indicators	NA	NA	NA	NA	NA	NA
Number SRA Indicators	NA	NA	NA	NA	NA	NA
Percent SRA Indicators	NA	NA	NA	NA	NA	NA

Parameter Name	Sodium, Dissolved	Chloride, Total	Chloride, Dissolved	Sulfate, Total	Sulfate, Dissolved	Alkalinity, Dissolved (as CaCO3)
Parameter Code	930	940	941	945	946	29801
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Wells	143	57	144	57	144	142
Number BDLs	0	0	0	7	14	22
Number MCL/GCL Exceedances	NA	1	NA	1	NA	NA
Percent MCL/GCL Exceedances	NA	1.80%	NA	1.80%	NA	NA
Minimum	1.1	2.2	1.7	0.5	0.1	0.325
1st Quartile	2.4	3.6	3	2.4	1.8	1.85
Median	5.3	5.6	7.5	5.4	6.25	4.5
3rd Quartile	10.75	11	13.475	8	12.25	33.5
Maximum	320	540	330	380	610	302
Interquartile Range	8.35	7.4	10.475	5.6	10.45	31.65
Mean	16.317	21.833	16.224	12.609	22.769	34.478
Standard Deviation	40.625	75.99	40.725	49.774	69.012	59.216
Relative Standard Deviation	248.97%	348.05%	251.02%	394.75%	303.10%	171.75%
Standard Error	3.397	10.065	3.394	6.593	5.751	4.969
Variance	1650.359	5774.459	1658.513	2477.44	4762.705	3506.478
Coefficient of Skewness	1074.486	788.248	1010.976	651.485	899.22	1670.731
Number Risk Indicators	3	NA	2	NA	3	NA
Percent Risk Indicators	2.10%	NA	1.40%	NA	2.10%	NA
Number SRA Indicators	NA	1	NA	NA	NA	44
Percent SRA Indicators	NA	1.80%	NA	NA	NA	31%

Parameter Name	Coliform, Total (MF)	Coliform, Total (MPN)	Total Dissolved Solids (TDS measured)	Turbidity, Field	Specific Conductance, QA
Parameter Code	31501	31507	70300	82078	90095
Units	#/100ml	#/100ml	mg/L	ntu	uS/cm
Total Wells	1	57	140	28	104
Number BDLs	0	28	6	0	0
Number MCL/GCL Exceedances	1	21	5	NA	NA
Percent MCL/GCL Exceedances	100%	36.80%	3.60%	NA	NA
Minimum	146	1	7.5	0.12	13
1st Quartile	146	1	42.75	0.655	47
Median	146	1.6	82	1.05	98.5
3rd Quartile	146	11	140	3.91	166.5
Maximum	146	500	1300	67.6	2430
Interquartile Range	0	10	97.25	3.255	119.5
Mean	146	33.256	133.443	5.107	189.221
Standard Deviation	0	99.505	184.235	12.654	323.973
Relative Standard Deviation	0%	299.21%	138.06%	247.78%	171.21%
Standard Error	0	13.18	15.571	2.391	31.768
Variance	0	9901.29	33942.583	160.135	104958.679
Coefficient of Skewness	0	986.563	1727.842	1127.786	1448.155
Number Risk Indicators	NA	NA	NA	6	NA
Percent Risk Indicators	NA	NA	NA	21.40%	NA
Number SRA Indicators	0	0	1	1	2
Percent SRA Indicators	0%	0%	0.70%	3.60%	1.90%

## Appendix J: Modeling Studies in the Pensacola Basin

Dr. Richard A. Snyder, of the University of West Florida's Center for Environmental Diagnostics and Bioremediation, conducted a study of Bayous Chico, Grande, and Texar for the Escambia County Health Department (FDOH). Published in September 2006, the purpose of this study was to determine possible sources of fecal contamination in the three bayous. Using a total of 893 samples taken at 42 sampling points on Bayou Chico, a trend of decreasing fecal bacteria was identified along the system's salinity gradient. It was suggested in the report that this trend indicates the freshwater and residential areas of Bayou Chico are sources of fecal contamination to the system, and that septic tanks installed in low-lying areas during older residential development are likely sources. *Figure 19* below has been excerpted from the study. This figure illustrates higher fecal contamination in the freshwater and residential portions of Bayou Chico, which contain the highest *Enterococcus* geometric means (cfu/100mL), with lower values concentrated in the middle and lower industrial areas.

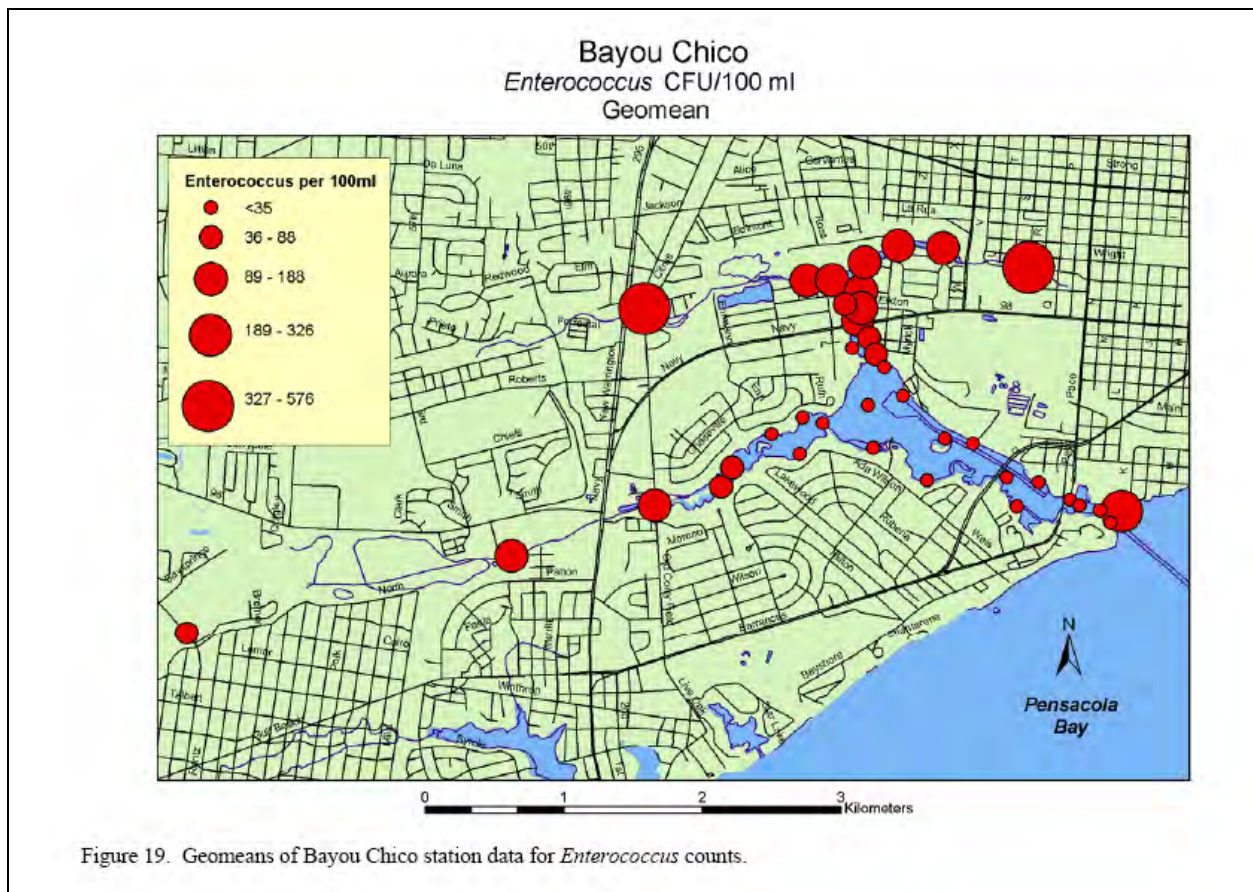
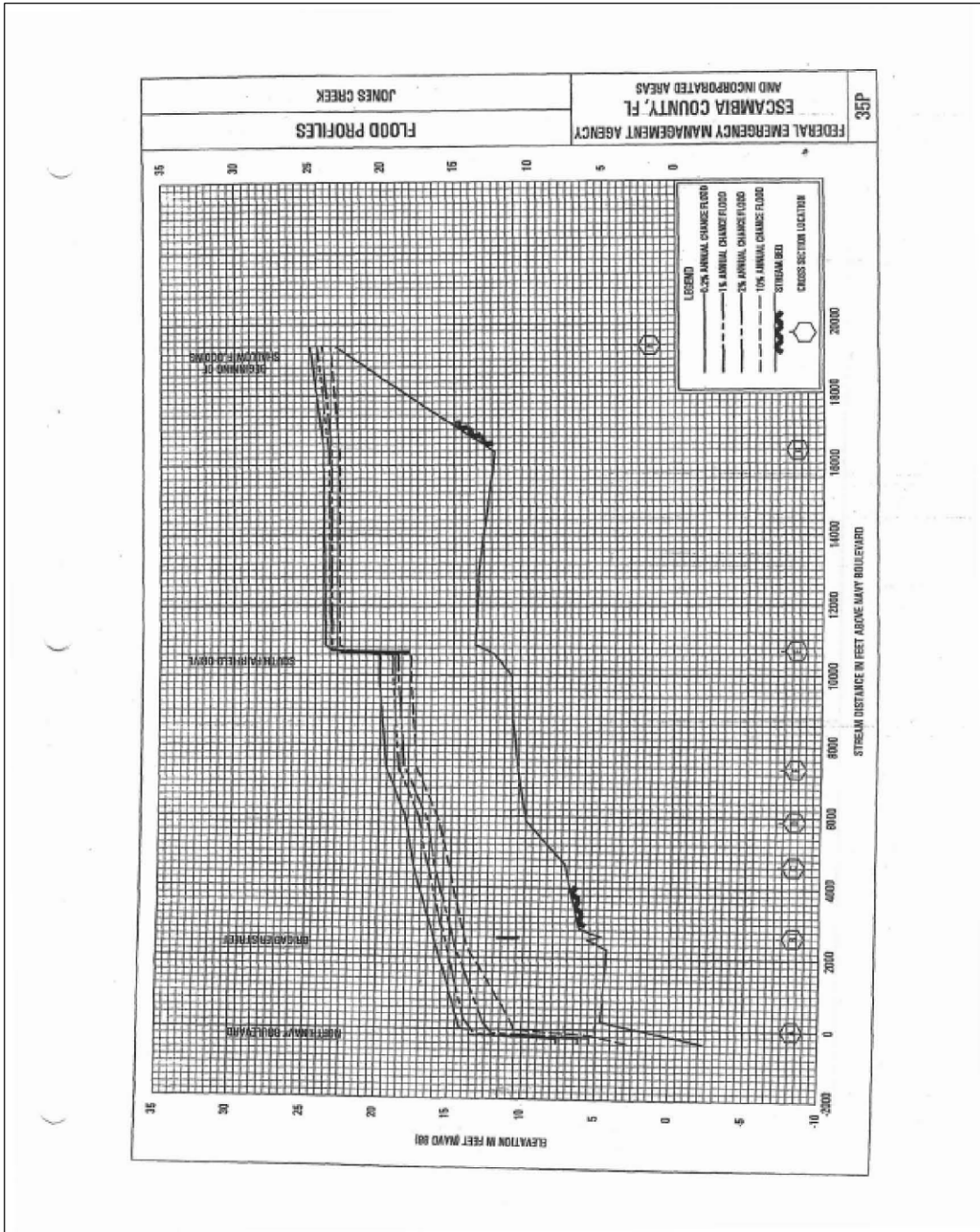


Figure 19. Geomeans of Bayou Chico station data for *Enterococcus* counts.

In addition, the Federal Emergency Management Agency completed a flood insurance study in Escambia County and incorporated areas in 1998 (later revised in 2006). This study, whose purpose was to analyze flood hazard data, provided a model of streambed elevation in Jones Creek, a tributary to Bayou Chico (see figure below).



In 2003, a consultant for Escambia County prepared the Escambia County Ambient Water Quality Report. This report served as a preliminary evaluation of Escambia County water quality and allowed the county to prioritize water quality improvement projects. The report includes a summary of water quality for Bayou Chico, shown below.

WATERBODY									
Bayou Chico									
FDEP WBID									
846C									
BASIN									
Warrington									
Parameter	Min	Max	Mean	Median	Total	Limit Criteria	# Exceeding	% Exceedance	
Dissolved Oxygen	4	10	7.33	7	15	<4.0	0	0.0%	
Chlorophyll a	0	27	12.08	11.5	12	>11	8	50.0%	
BCD	0	5	2.44	2.5	16		1	6.3%	
Ammonia	0	0	0.00	0	16	<0	0	0.0%	
Chloride	1384	7500	4194.67	3700	3		0	0.0%	
Fecal Coliform	10	3000	570.63	115	16	>800	3	18.8%	
Total Coliform	0	9100	2010.00	315	16	>2400	4	25.0%	
Nitrogen	0	1	0.69	1	16		0	0.0%	
Total Phosphorus	0	0	0.00	0	16		0	0.0%	
pH	5	8	6.94	7	17	6.5 < x < 8.5	3	17.6%	



Florida Department of Environmental Protection  
Division of Water Resource Management  
Bureau of Watershed Management  
2600 Blair Stone Road, Mail Station 3565  
Tallahassee, Florida 32399-2400  
[www.dep.state.fl.us/water/](http://www.dep.state.fl.us/water/)