



**SARASOTA COUNTY
and the
CITY OF SARASOTA**

**NPDES MUNICIPAL SEPARATE
STORM SEWER SYSTEM**

PERMIT NUMBER FLS000004

**FOR PERMIT YEAR ONE
APRIL 1 2002 TO APRIL 1, 2003
AND THE REMAINDER OF
THE PREVIOUS PERMIT
JANUARY 1, 2002 TO APRIL 1, 2002**

SARASOTA COUNTY
and the
CITY OF SARASOTA
ANNUAL REPORT

for Permit Year One

April 1, 2002 to April 1, 2003

and the remainder of the previous permit

January 1, 2002 to April 1, 2002

National Pollutant Discharge Elimination System

Municipal Separate Storm Sewer System (MS4)

Permit Number FLS000004

Co-Permittees with:

City of Venice

City of North Port

Town of Longboat Key

Florida Department of Transportation, District 1

Table of Contents

Page

REPORT CERTIFICATIONS	1
SECTION 1 - LIST OF CONTACTS	3
SECTION 2 - STORM WATER MANAGEMENT PROGRAM EVALUATION	
2.1 Objective of Program	6
2.2 Major Findings	8
2.3 Major Accomplishments	9
2.4 Overall Program Strengths and Weaknesses	10
2.5 Future Direction of Program	11
SECTION 3 - SUMMARY TABLE	
3.1 Structural Controls, Inspection and Maintenance	12
3.2 Development Planning Procedures	13
3.3 Roadway Maintenance	15
3.4 Flood Management	16
3.5 Municipal Facilities	17
3.6 Pesticides, Herbicides, and Fertilizers	18
3.7 Illicit Discharges and Improper Disposal	19
3.7.a. Illicit Discharge Inspections, Investigations, and Enforcement	19
3.7.b. Field Screening	20
3.7.c. Spill Response	20
3.7.d. Public Reporting of Illicit Discharges	20
3.7.e. Oil and Household Hazardous Waste	20
3.7.f. Sanitary Sewer Seepage	21
3.8.a. High Risk Industrial Facility Inspection	22
3.8.b. Monitoring for High Risk Industries	22
3.9 Construction Site Runoff	23
3.9.a. Construction Planning Procedures	23
3.9.b. Construction Inspections	24
3.9.c. Education Activities	25
SECTION 4 - NARRATIVE REPORTS	
4.1 Structural Controls, Inspection and Maintenance	26
4.2 Development Planning Procedures	30
4.3 Roadway Maintenance	35
4.4 Flood Management	40
4.5 Municipal Facilities	43
4.6 Pesticides, Herbicides, and Fertilizers	48
4.7 Illicit Discharges and Improper Disposal	60
4.7.a. Illicit Discharge Inspections, Investigations, and Enforcement	60
4.7.b. Field Screening	64
4.7.c. Spill Response	65

4.7.d.	Public Reporting of Illicit Discharges	67
4.7.e.	Oil and Household Hazardous Waste	69
4.7.f.	Sanitary Sewer Seepage	72
4.8.a.	High Risk Industrial Facility Inspection	78
4.8.b.	Monitoring for High Risk Industries	80
4.9	Construction Site Runoff	81
4.9.a.	Construction Planning Procedures	81
4.9.b.	Construction Inspections	83
4.9.c.	Education Activities	85
4.10	Additional SWMP Activities	88

SECTION 5 - MONITORING PROGRAM REPORT

5.1	Monitoring Objectives	89
5.2	Summary Table of Completed Monitoring	91
5.3	Monitoring Conclusions	92
5.4	Monitoring Compliance	97
5.5	Monitoring Program Revisions	98
5.6	Additional Major Outfalls	99

SECTION 6 - PERMIT MODIFICATIONS

6.1	Storm Water Management Program Modifications	100
6.2	Monitoring Program Modifications	101
6.3	Other Permit Modifications	102

SECTION 7 - FISCAL ANALYSIS 103

APPENDICES

A	Stormwater Capital Improvement Projects
B	Water Pollution Control Code
C	Form for Reporting Pollution via Internet
D	Map of Marked Storm Drains
E	Map of Industrial Facilities
F	Inventory of New Industrial Facilities
G	Construction Site Inspections
H	New Monitoring Program
I	Monitoring of Bays and River Water Quality
J	Monitoring of MS4 Water Quality
K	Monitoring of MS4 Biological Quality
L	Monitoring of MS4 Sediment Quality
M	Outfall Inventory
N	Transfer of Ownership of the MS4

Report Certification for Sarasota County

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

David R. Bullock
David R. Bullock, Deputy County Administrator
Sarasota County

9-29-03
Date

Report Certification for the City of Sarasota

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Richard Winters for Michael McNees, City Manager
City of Sarasota

Sept 29, 2013
Date

Section 1 - List of Contacts

Co-Permittee Contacts

Sarasota County:	John Ryan, Environmental Specialist III Environmental Services 1001 Sarasota Center Boulevard Sarasota, FL 34240 Phone: (941) 861-0663 Fax: (941) 861-0504 jryan@scgov.net
City of Sarasota:	Michael McNeese, City Manager P.O. Box 1058 Sarasota, FL 34230 Phone: (941) 954-4102 Fax: (941) 954-4129 michael.mcneese@ci.sarasota.fl.us
City of Venice:	Nancy K. Woodley, Ph.D., P.E., City Engineer 401 West Venice Avenue Venice, FL 34285 Phone: (941) 486-2626, extension 2066 Fax: (941) 480-3031 nwoodley@ci.venice.fl.us
City of North Port:	Juliana Bellia, Interim Public Works Director 1930 West Price Boulevard North Port, FL 34286 Phone: (941) 423-7220 Fax: (941) 423-6608 jbellia@cityofnorthport.com
Town of Longboat Key:	Bruce St. Denis, Town Manager 501 Bay Isles Road Longboat Key, FL 34228 Phone: (941) 316-1999 Fax: (941) 316-1942 bstdenis@cyberstreet.com
Florida Department of Transportation:	Robert Dwyer, District Maintenance Environmental Administrator Maintenance Department, District One 801 N. Broadway Ave. Bartow, FL 33831-1249 Phone: (863) 519-2762 Fax: (863) 534-7045 robert.dwyer@dot.state.fl.us

This annual report is compiled and produced for Sarasota County and the City of Sarasota. The co-permittees, including the Florida Department of Transportation, District 1, the Town of Longboat Key, the City of Venice, and the City of North Port, submit annual reports that were produced independently. All co-permittees have participated in a committee discussion of the issues presented in this report that apply to all co-permittees.

Contributors to this Report from Sarasota County

- Kirk Bagley, Stormwater Projects Coordinator, Public Works Stormwater Division, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0910, kbagley@scgov.net.
- Franklin Coggins, SWO Manager, 4000 Knights Trail Road, Nokomis FL 34275; (941) 861-1570 fcoggins@scgov.net.
- Jim Brown, Senior Engineer, Utilities, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0549, jabrown@co.sarasota.fl.us.
- Linda Gaines, Public Works Operations & Maintenance, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0819, lgaines@scgov.net.
- Gene Middaugh, Engineering Section Supervisor, Land Development Services (LDS), 1301 Cattlemen Road, Sarasota FL 34232, (941) 861-6890, gmiddy@scgov.net.
- Donald Shaulis, Solid Waste Operations, 4000 Knight Trail Road, Sarasota FL, 861-1577, dshaulis@scgov.net.
- Michael Jones, Resource Management, 2817 Cattlemen Road, Sarasota FL 34232, (941) 861-6251, mjones@scgov.net.
- Lyman W. Roberts, Ph. D., Manager, Mosquito Management Services, 5531 Pinkney Avenue, Sarasota FL (941) 316-1247, lroberts@scgov.net.
- Pat Arndt, Hazardous Waste, 8750 Bee Ridge Road, Sarasota FL 34241; (941) 861-1531, parndt@scgov.net.
- Tom Medel, Permitting, Mitigation and Restoration, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0810, tmedel@scgov.net.
- John Ryan, Environmental Specialist III, Water Resources, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0663, jryan@scgov.net.
- Mark Shelby, Cooperative Extension Service, 2900 Ringling Boulevard, Sarasota

FL, (941) 861-9800, mshelby@scgov.net.

- Jim Somers, Manager, Drainage Operations, 1001 Sarasota Center Boulevard, Sarasota FL 34240, (941) 861-0751, jsomers@scgov.net.
- Brandy Pouso, Environmental Specialist II, AWQP, 2817 Cattlemen Road, Sarasota FL 34232, (941) 861-6218, bpouso@scgov.net.
- Marie Wilson, Public Works Operation and Maintenance, 1001 Sarasota Center Boulevard, Sarasota FL 34240, 861-0727, mwilson@scgov.net.
- Mike Mylett, AWQP, 2817 Cattlemen Road, Sarasota FL 34232, 861-6207, mmylett@cgov.net.
- Nina Powers, Public Works Facilities Maintenance, 4730 17th St., Sarasota FL, 861-1463, npowers@scgov.net.
- Jerry Lee Thomas, AWQP, 2817 Cattlemen Road, Sarasota FL 34232, 861-6215, jlthomas@scgov.net.
- Steve Cobb, Public Works Operation & Maintenance, 1001 Sarasota Center Blvd., Sarasota, FL, 34240, 861-0827, scobb@scgov.net.
- Himat Solanki, Permitting and Inspection Services, 1301 Cattlemen Road, Sarasota FL, 34232, 861-6627, hsolanki@scgov.net.
- Tom Maroney, Drainage Operations, 1001 Sarasota Center Blvd., Sarasota, FL, 34240, 861-0976, tmaroney@scgov.net.
- Luana Collins, Utilities, 1001 Sarasota Center Blvd., Sarasota, FL, 34240, 861-0507, lcollins@scgov.net.
- Laura Lyn Ammeson, Environmental Supervisor, AWQP, 2817 Cattlemen Road, Sarasota FL 34232, (941) 861-6213, lammeso@sgov.net.
- Christy Higgason, Forestry Division Manager, 1001 Sarasota Center Blvd., Sarasota, FL, 34240, (941) 861-0844, chiggaso@scgov.net.
- Leann Aldridge, Solid Waste Resource Conservation, 2817 Cattlemen Road, Sarasota FL, 34232, (941) 861-6746, laldridg@scgov.net
- Mike Jones, Environmental Specialist III, Resource Management, 2817 Cattlemen Road, Sarasota FL 34232, (941) 861-6251, mjones@scgov.net.
- Captain Douglas E. Wolfe, Emergency Services Special Operations, 400 N. Beneva Road, Sarasota FL, (941) 861-2181, dwolfe@scgov.net.
- Richard Sanger, Parks and Recreation Supervisor, 6700 Clark Road, Sarasota FL

34241, (941) 861-9877, rsanger@scgov.net.

- Allan Kelley, Stormwater Planning, 1001 Sarasota Center Boulevard, Sarasota FL 34240, 861-0912, akelley@scgov.net.
- Ben Newman, Road Program, 1001 Sarasota Center Boulevard, Sarasota FL 34240, 861-0892, bnewman@scgov.net.
- Stephen C. Brown, GIS Supervisor, Growth Management, 1660 Ringling Boulevard, Sarasota FL, 34232, (941) 861-5967, sbrown@scgov.net.
- John Hickey, P.E., Air and Water Quality Protection, 2817 Cattlemen Road, Sarasota FL 34232, (941) 861-6264, jhickey@scgov.net.

Contributors to this Report from the City of Sarasota

- Richard Meier, Public Services Division Manager, 1761 12th Street, Sarasota 34236; (941) 954-4198; richard_meier@ci.sarasota.fl.us.
- Doug Taylor, Deputy Director of Public Works, City of Sarasota, 1750 12th Street, Sarasota FL 34236, (941) 955-2325; doug_taylor@ci.sarasota.fl.us.
- Richard Winters, Engineering Projects Manager, 1565 1st Street, Room 100A, Sarasota, Florida 34236; (941) 954-4180; rick_winters@ci.sarasota.fl.us.

Storm Water Management Program Evaluation

Section 2.1 Objective of Program

The objective of the Storm Water Management Program (SWMP) is to effectively prohibit the discharge of non-stormwater into the MS4 and reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP) by implementing pollution prevention measures, treatment or removal techniques, stormwater monitoring, legal authority, and other appropriate means to control the quality of stormwater discharged from the MS4.

Storm Water Management Program Evaluation

Section 2.2 Major Findings

The City and County continued the Basin Master Planning program; approving new studies and updating previously completed studies. The newly approved studies, covering the Business District, Cowpen Slough, and Shakett Creek were adopted by the Board of County Commissioners during 2002. The completion of these three master plans brings the total of approved plans to 21. Master planning is underway for Myakka River (including Deer Prairie Slough and Little Salt Creek), Whitaker Bayou, and Braden River (a joint project with Manatee County, City of Bradenton, and the Southwest Florida Water Management District). It is anticipated that these basin studies will be completed in 2004. Upon reaching completion of this element, the permit will require modification. Several previously approved basin studies were updated to include a significant amount of additional information reflecting new development and infrastructure improvements. Although complete and approved, all the basin studies will be updated to reflect on-going development and new information as it is discovered. In addition, staff previously involved in the master planning process will be able to focus more directly on water quality issues rather than flood control.

Storm Water Management Program Evaluation

Section 2.3 Major Accomplishments

Additional progress was made in completing and updating Basin Master Plans and Capital Improvement Projects. Three Basin Master Plans were completed and approved, and several others were updated.

Storm Water Management Program Evaluation

Section 2.4 Overall Program Strengths and Weaknesses

The greatest strength of the SWMP is the cohesion that it brings to many separate activities, personnel, and programs. The SWMP reminds all these disparate people that what they do has an impact on stormwater quantity and quality and ultimately on the quality of the creeks, river, and bays in our community.

There were no substantial weaknesses identified in the SWMP.

Storm Water Management Program Evaluation

Section 2.5 Future Direction of Program

The Stormwater Management Program is expected to stay on the existing course.

Sarasota County has embarked on a program to better manage water resources based on watersheds. This effort will involve natural systems restoration, drinking water supply, irrigation water supply, flood control, and water quality improvements. Watershed Management objectives are expected to fit well with the objectives of the MS4 permit.

The DEP's Total Maximum Daily Loads program has improved the focus of the County on water quality issues. Although the challenges of the TMDL program loom large it is expected that the County, City, and DEP will identify truly impaired water bodies and develop cost effective measures to correct pollutant loading problems. The objectives of this permit and the TMDL program are intimately linked.

Summary Table for SWMP Activities

Section 3.1 Structural Controls, Inspection, and Maintenance

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
1. Structural Controls, Inspection and Maintenance.	Sarasota County & City of Sarasota	Inspect stormwater treatment ponds and wet retention areas every 18-24 months. Inspect channel control structures quarterly. Inspect pump stations semi-annually. Inspect channels annually. Maintain as needed on 5-year rotation. Maintain records of activities and schedules, including contract specifics. Evaluate effectiveness and summarize in annual report.	Inspect. Maintain. Keep Records. Evaluate. Summarize.	Yes	148 detention systems. Thousands of inspections conducted. 106 lakes maintained. 85 weir inspections; 1 repair. 530 miles of channels maintained.	Drainage Operations maintains extensive records that are available on request.
	Sarasota County & City of Sarasota	Update the inventory of privately owned stormwater systems. Summarize the activities to update the inventory in annual report.	Inventory. Summarize.	Yes	140 systems total; all inspected.	
	Sarasota County & City of Sarasota	Inspect privately owned stormwater systems on a 5-year rotation. Require compliance. Summarize inspections and results in annual report.	Inspect. Enforce. Summarize.	Yes	The inspection program continued. 140 private stormwater systems were inspected.	The Stormwater Assessment database identifies systems due for inspection.

Summary Table for SWMP Activities

Section 3.2 Development Planning Procedures

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
2. Development Planning Procedures	Sarasota County	Minimize effects of development on stormwater quality by adhering to Comprehensive Plan policies.	Use Comp Plans.	Yes	Development plans review process	
	City of Sarasota	Minimize effects of development on stormwater quality by adhering to Comprehensive Plan policies.	Use Comp Plans.	Yes	Development plans review process	
	Sarasota County & City of Sarasota	Complete master basin studies on schedule. Develop a course of action as completed. Summarize in annual report.	Complete Studies. Plan Actions. Summarize.	Yes	3 basin studies were adopted.	Stormwater Planning's capital improvement projects are in Appendix A.
	Sarasota County	Encourage development to reduce impervious surfaces by employing land development codes, development review, and permitting procedures.	Encourage.	Yes	LDRs allow some pervious parking lots.	AWQP and LDS implement LDRs.
	City of Sarasota	Encourage development to reduce impervious surfaces by employing land development codes, development review, and permitting procedures.	Encourage.	Yes	Application of the SWFWMD rules in urban re-developments result in exemptions on sites that were previously impervious (ie; parking lot becoming a building). The requirements of the EDCM for stormwater attenuation on every site exceeding 1500 square feet on impervious helps offset this situation.	
	Sarasota County	Require development to adhere to design criteria for on-site stormwater retention/detention and erosion and sediment control.	Require Detention. Require Erosion Control.	Yes	Development plans review process	
	City of Sarasota	Require development to adhere to design criteria for on-site stormwater retention/detention and erosion and sediment control.	Require Detention. Require Erosion Control.	Yes	Chapter 29.5 of the City Code, the City of Sarasota Engineering Design Criteria Manual (EDCM, adopted in 1989, up-dated March 2002), Part 6., Section A., paragraph c., requires permitting from the Southwest Florida Water Management District (SWFWMD) for water quality requirements of every development in the City.	

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
2. Development Planning Procedures (continued)	Sarasota County	Verify that development applicants have obtained permits from SWFWMD and DEP for stormwater treatment and discharges, including ERP and NPDES.	Verify Permits.	Yes	Development plans review process	
	City of Sarasota	Verify that development applicants have obtained permits from SWFWMD and DEP for stormwater treatment and discharges, including ERP and NPDES.	Verify Permits.	Yes	Chapter 29.5 of the City Code, the City of Sarasota Engineering Design Criteria Manual (EDCM, adopted in 1989, up-dated March 2002), Part 6., Section A., paragraph c., requires permitting from the Southwest Florida Water Management District (SWFWMD) for water quality requirements of every development in the City. Notification of NPDES Regulations is provided to developments proposed in the City of Sarasota at the time of development review prior to issuance of permits.	

Summary Table for SWMP Activities

Section 3.3 Roadway Maintenance

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
3. Roadway Maintenance	Sarasota County & City of Sarasota	Control litter along roads. Properly dispose of wastes. Keep records. Summarize activities in annual report.	Control litter. Dispose Properly. Keep Records. Summarize.	Yes	2,826 volunteers picked up 47,670 pounds of trash by Keep Sarasota Beautiful. 16,828 acres of litter control was provided by contract maintenance of roadsides.	Adopt a road, park, shore or spot, Bag It In Your Car Day, Coastal Cleanup, Great American Cleanup, Cigarette butt anti litter program.
	City of Sarasota	Control litter along roads. Properly dispose of wastes. Keep records. Summarize activities in annual report.	Control litter. Dispose Properly. Keep Records. Summarize.	Yes	300 tons from 165 cans. 54 tons from crews.	City Public Services.
	Sarasota County	Sweep streets. Properly dispose of wastes. Assess effectiveness in annual report. Provide schedule and coverage in annual report.	Sweep streets. Dispose. Assess. Report.	Yes	4,683 curb miles swept.	Disposal was to the landfill.
	City of Sarasota	Sweep streets. Properly dispose of wastes. Assess effectiveness in annual report. Provide schedule and coverage in annual report.	Sweep streets. Dispose. Assess. Report.	Yes	All residential streets swept monthly for a total of 500 miles. All commercial streets swept weekly for a total of 270 curb miles swept monthly. All FDOT streets within the City swept bi-monthly for a total of 50 curb miles swept monthly.	
	Sarasota County & City of Sarasota	Maintain roadside stormwater structures on a schedule. Dispose of materials properly. Keep a log of activities.	Maintain. Dispose. Keep Records.	Yes	33 miles ditches; 492 acres sprayed. 1337 catch basins. 1233 grates.	
	Sarasota County	Use BMPs to reduce polluted runoff from road repairs, equipment yards & maintenance shops. Inspect these facilities using SQG Program. Assess each facility in annual report. Assess effectiveness of BMPs in annual report.	Use BMPs. Inspect. Assess sites. Assess BMPs.	Yes	BMPs routinely used.	County Public Works. Haz. Waste and AWQP conducted inspections.
	City of Sarasota	Use BMPs to reduce polluted runoff from road repairs, equipment yards & maintenance shops. Inspect these facilities using SQG Program. Assess each facility in annual report. Assess effectiveness of BMPs in annual report.	Use BMPs. Inspect. Assess sites. Assess BMPs.	Yes	BMPs in place.	City Public Services used Engineering Design Criteria Manual BMPs.

Summary Table for SWMP Activities

Section 3.4 Flood Management

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
4. Flood Management	Sarasota County	Regulate construction and alteration in the floodplain using comprehensive plans, ordinances, and land development codes.	Regulate Floodplain Development.	Yes	Development plans review.	
	City of Sarasota	Regulate construction and alteration in the floodplain using comprehensive plans, ordinances, and land development codes.	Regulate Floodplain Development.	Yes	Development plans review.	
	Sarasota County & City of Sarasota	Implement flood control projects from basin master planning. Water quality treatment will be provided for all flood control projects as required by the SWFWMD. Evaluate feasibility of adding pollutant-removing retrofits to existing structures.	Build Flood Control Projects. Include WQ Elements. Consider Retrofits.	Yes	2 projects completed, 1 started, 10 in design.	
	Sarasota County & City of Sarasota	Update the list of projects and schedules. Summarize in annual report.	Update. Summarize.	Yes	2 projects completed, 1 started, 10 in design.	

Summary Table for SWMP Activities

Section 3.5 Municipal Facilities

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
5. Municipal Facilities	Sarasota County	Monitor and inspect public solid waste facilities, waste transportation fleet sites, POTWs, and sludge sites. Reduce discharges by implementing BMPs. Determine necessary permits. Use interlocal agreements. Train staff. Summarize new permits, monitoring, inspections, active BMPs, and staff training in annual reports.	Inspect. Use BMPs. Permit. Use Agreements. Train. Report.	Yes	3 Solid Waste facilities in full compliance. POTWs and residuals sites in compliance.	Solid Waste, Utilities & AWQP.
	City of Sarasota	Monitor and inspect public solid waste facilities, waste transportation fleet sites, POTWs, and sludge sites. Reduce discharges by implementing BMPs. Determine necessary permits. Use interlocal agreements. Train staff. Summarize new permits, monitoring, inspections, active BMPs, and staff training in annual reports.	Inspect. Use BMPs. Permit. Use Agreements. Train. Report.	Yes	Stormwater ponds. Careful fluid storage. Leachate control. Recycling. Composting.	All sites were regulated by EPA, DEP, or AWQP. These activities are completed by Public Works & Utilities.

Summary Table for SWMP Activities

Section 3.6 Pesticides, Herbicides, and Fertilizers

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
6. Pesticides, Herbicides, and Fertilizers	Sarasota County	Encourage the public to reduce usage of pesticides, herbicides, and fertilizers. Summarize education programs in annual report.	Educate. Report.	Yes	13,427 visitors to Florida House. 23,000 assisted with landscaping. 280,000 website hits. 172 Florida yards. 204 Educational programs conducted. 30 contractors trained. Much more promotion.	Cooperative Extension. Mosquito Management. Facilities Maintenance.
	City of Sarasota	Encourage the public to reduce usage of pesticides, herbicides, and fertilizers. Summarize education programs in annual report.	Educate. Report.	Yes	Cooperative Extension serves City as well as County.	
	Sarasota County	Reduce County use of pesticides, herbicides and fertilizers. Store properly. Train staff and contractors. Promote public education. Require proper applicator certifications. Summarize training and certification in annual report.	Reduce Usage. Train. Store Properly. Educate. Certify. Report.	Yes	Hundreds trained and certified. Dozens of education efforts. Ongoing reductions.	Cooperative Extension. Mosquito Mgt. Facilities Maintenance. Aquatic Plant Control. Drainage Ops. Forestry. Parks & Rec.
	City of Sarasota	Reduce City use of pesticides, herbicides and fertilizers. Store properly. Train staff and contractors. Promote public education. Require proper applicator certifications. Summarize training and certification in annual report.	Reduce Usage. Train. Store Properly. Educate. Certify. Report.	Yes	New chemical building. Training ongoing.	

Summary Table for SWMP Activities

Section 3.7 Illicit Discharges and Improper Disposal

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
7.a. Illicit Discharges & Improper Disposal - Inspections, Investigations, and Enforcement.	Sarasota County & City of Sarasota	Update list of allowable non-stormwater discharges to MS4. Discuss in annual report.	Update. Report.	Yes	20 exemptions.	
	Sarasota County & City of Sarasota	Enforce ordinance 96-02, prohibiting illicit discharges, and require compliance with BMPs. Detect, inspect and investigate prohibited illicit connections and illegal dumping into the MS4. Prioritize inspection schedule based on land use and age of development, including include random inspections. Maintain single reporting point. Maintain SOPs, including annual schedule for inspections and allocation of staff and resources. Compliance must include immediate cessation of discharge and a compliance schedule. Train employees to report illicit. Maintain inspection & enforcement log. Use interlocal agreements as needed, Summarize in annual report: schedule, allotted staff and resources, interlocal agreements, investigation programs, inspections performed, enforcement actions, and training.	Investigate. Enforce. Train. Use SOPs. Record. Report.	Yes	620 reported pollution incidents investigated. 240 violations found. 54 enforcement cases.	Ongoing programs. Amended Water Pollution Control Code in Appendix B. Internet Pollution Reporting Form in Appendix C.

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
7.b. Illicit Discharges & Improper Disposal - Field Screening.	Sarasota County & City of Sarasota	Reserved	Reserved	Yes	No activities.	
7.c. Illicit Discharges and Improper Disposal - Spill Response	Sarasota County & City of Sarasota	Use Sarasota County's Hazardous Materials Emergency Plan to minimize pollutant discharges to surface waters. Train employees.	Use Plan. Train.	Yes	499 Special Operations emergency responses.	Expanded training. Expanded staffing. Expanded scope of duties.
7.d. Illicit Discharges and Improper Disposal - Public Notification.	Sarasota County & City of Sarasota	Publicize citizen reporting of illicit discharges and improper disposal of materials to the MS4. Use dedicated phone number for reporting. Publicize quarterly: phone number, definition of stormwater, stormwater system, allowed discharges, prohibited discharges, how to report. Use interlocal agreements, as needed. Maintain log of calls and response. Summarize promotions, calls, and investigations in annual report	Publicize. Keep Records. Summarize.	Yes	Many educational workshops. News items. Newsletters.	Ongoing program.
7.e. Illicit Discharges and Improper Disposal - Oil and Household Hazardous Waste.	Sarasota County & City of Sarasota	Educate the public on the proper disposal of oil and hazardous waste. Support and promote the use of two county-owned oil recycling locations, the curbside used oil and oil filter collection program, the two household chemical collection centers, the retail battery collection program, and Project Green Sweep. Use interlocal agreements as needed. Summarize promotions and the amount of wastes collected in annual report. Mark storm drain inlets. Summarize the program and the number of drains marked in annual report.	Educate. Recycle. Properly Dispose. Publicize. Use Agreements. Summarize. Mark Drains.	Yes	A total of 300 storm drains have been mapped since program inception. Many promotions. The total of All Other Household Hazardous Waste Collected was 556,090 pounds.	Map of marked storm drains in Appendix D.

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
7.f. Illicit Discharges and Improper Disposal - Sanitary Sewer Seepage.	Sarasota County	Inspect, seal, line, and replace sanitary sewer pipes. Limit the installation of new septic systems. Remove septic systems in areas that can be served by a sanitary sewer. Identify areas served by septic systems. Advise regulatory agency if septage found in MS4 or surface waters. Advise utility if sewage found in MS4 or surface waters. Summarize in annual report.	Fix Pipes. Limit New Septics. Replace Septics. ID Septics. Report Septage. Report Sewage. Report.	Yes	9 WWTPs. Many inspections. Extensive reuse system. Lift station maintenance. Collection system study. Pipe repairs. Fenced lift stations. Ended land application of residuals. Septic system replacement.	Ongoing programs.
	City of Sarasota	Inspect, seal, line, and replace sanitary sewer pipes. Limit the installation of new septic systems. Remove septic systems in areas that can be served by a sanitary sewer. Identify areas served by septic systems. Advise regulatory agency if septage found in MS4 or surface waters. Advise utility if sewage found in MS4 or surface waters. Summarize in annual report.	Fix Pipes. Limit New Septics. Replace Septics. ID Septics. Report Septage. Report Sewage. Report.	Yes	Collection system upgrades. 301 defective private systems and 517 private sewers upgraded.	Ongoing programs.

Summary Table for SWMP Activities

Section 3.8 High Risk Industrial Facilities

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
8.a. High Risk Industrial Facility Inspection.	Sarasota County & City of Sarasota	Inventory high-risk facilities discharging into the MS4. Identify outfall and surface waters for each. Include municipal landfills, hazardous waste TSDs, EPCRA Title III (313), and potential dischargers. Prioritize inspection schedule. Use interlocal agreements as needed. Summarize program and update inventory in annual report.	Inventory. Prioritize. Use Agreements. Report.	Yes	AWQP maintains 2 inventories. 59 facilities that are certified or permitted. 152 inspections.	Ongoing program. Map of industrial facilities in Appendix E. Inventory of industrial facilities in Appendix F.
	Sarasota County & City of Sarasota	Inspect facilities according to the priorities. Require compliance with stormwater regulations, NPDES permitting, SWPPP plan on site. Encourage use of stormwater BMPs. Have written SOPs for enforcement. Maintain a log of the inspections and results. Use interlocal agreements as needed. Summary inspections in annual report.	Inspect. Regulate. Enforce. Have SOPs. Keep Records. Use Agreements. Summarize.	Yes	AWQP maintains 2 inventories. 940 facilities. 152 inspections.	Ongoing program.
8.b. Monitoring for High Risk Industries.	Sarasota County & City of Sarasota	Reserved	Reserved	Yes	No activities.	

Summary Table for SWMP Activities

Section 3.9 Construction Site Runoff

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
9.a. Construction Planning Procedures	Sarasota County	<p>Require construction site planning and review prior to permitting using land development codes, comprehensive plans, and ordinances.</p> <p>Require the use of stormwater, erosion and sedimentation control BMPs during and after construction.</p> <p>Verify applicants have approvals and permits from agencies, including the SWFWMD.</p> <p>Verify NPDES Generic Permit (Chapter 62-621.300(4) F.A.C.),</p> <p>Verify that there is a stormwater pollution prevention plan for the project.</p> <p>Evaluate innovative structural and non-structural BMPs and new technologies; adopt suitable ones.</p> <p>Summarize programs and report the number of permitted projects in annual report.</p>	<p>Review Plans.</p> <p>Require BMPs.</p> <p>Verify Permits.</p> <p>Verify SWPPP.</p> <p>Use Innovations.</p> <p>Report.</p>	Yes	Between January 1, 2002 and March 31, 2003, 492 plans were reviewed by AWQP.	Ongoing programs.
	City of Sarasota	<p>Require construction site planning and review prior to permitting using land development codes, comprehensive plans, and ordinances.</p> <p>Require the use of stormwater, erosion and sedimentation control BMPs during and after construction.</p> <p>Verify applicants have approvals and permits from agencies, including the SWFWMD.</p> <p>Verify NPDES Generic Permit (Chapter 62-621.300(4) F.A.C.),</p> <p>Verify that there is a stormwater pollution prevention plan for the project.</p> <p>Evaluate innovative structural and non-structural BMPs and new technologies; adopt suitable ones.</p> <p>Summarize programs and report the number of permitted projects in annual report.</p>	<p>Review Plans.</p> <p>Require BMPs.</p> <p>Verify Permits.</p> <p>Verify SWPPP.</p> <p>Use Innovations.</p> <p>Report.</p>	Yes	Engineering Design Criteria require BMPs. NOIs required pre-development.	Ongoing program.

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	COMMENTS
9.b. Construction Inspections.	Sarasota County	<p>Inspect active construction sites.</p> <p>Ensure compliance with permits; use enforcement.</p> <p>Certify all construction site inspectors, in "Florida Stormwater, Erosion and Sedimentation Control Training and Certification Course", or equivalent.</p> <p>Include stormwater, erosion and sedimentation control on existing field inspection checklists.</p> <p>Maintain a log of inspections of active construction sites, including results.</p> <p>Summarize the inspection program, including number of trained employees, and number of inspections conducted.</p>	<p>Inspect.</p> <p>Enforce.</p> <p>Train.</p> <p>Use Checklists.</p> <p>Keep Records.</p> <p>Summarize.</p>	Yes	<p>About 200-250 projects ongoing at any given time.</p> <p>Numerous inspections.</p> <p>5 enforcement cases.</p> <p>Ongoing training.</p> <p>Inspection records in Appendix G.</p>	All LDS inspectors are trained.
	City of Sarasota	<p>Inspect active construction sites.</p> <p>Ensure compliance with permits; use enforcement.</p> <p>Certify all construction site inspectors, in "Florida Stormwater, Erosion and Sedimentation Control Training and Certification Course", or equivalent.</p> <p>Include stormwater, erosion and sedimentation control on existing field inspection checklists.</p> <p>Maintain a log of inspections of active construction sites, including results.</p> <p>Summarize the inspection program, including number of trained employees, and number of inspections conducted.</p>	<p>Inspect.</p> <p>Enforce.</p> <p>Train.</p> <p>Use Checklists.</p> <p>Keep Records.</p> <p>Summarize.</p>	Yes	<p>Chapter 29.5 of Code of the City of Sarasota creates the Engineering Design Criteria Manual (created 1989) which requires Erosion / Sedimentation Control Plan (signed and sealed by the Engineer of Record), a permit, including a pre-construction meeting to implement erosion / sedimentation BMP's as a condition of issuance of a Building Permit.</p> <p>Inspectors are being trained through the American Public Works Academy (Florida Department of Environmental Protection Erosion/Sedimentation Inspector's Certification). The City has six individuals certified as Erosion/Sedimentation Control Inspectors. They are all involved in various stages of construction site design and inspection.</p>	City Engineering.

PROGRAM ELEMENT	PERMITTEE	REQUIREMENT	ACTIVITY SCHEDULE			COMMENTS
			Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
9.c. Education Activities	Sarasota County	Train employees and private contractors in the Florida Stormwater, Erosion and Sedimentation Control course. Conduct presentations to construction industry organizations about construction site management for water quality and NPDES Construction and Multi-Sector Generic Permits. Notify building permit applicants about NPDES construction site permitting responsibilities.	Train. Do Presentations. Notify Builders.	Yes	Several classes. Dozens certified.	Ongoing programs.
	City of Sarasota	Train employees and private contractors in the Florida Stormwater, Erosion and Sedimentation Control course. Conduct presentations to construction industry organizations about construction site management for water quality and NPDES Construction and Multi-Sector Generic Permits. Notify building permit applicants about NPDES construction site permitting responsibilities.	Train. Do Presentations. Notify Builders.	Yes	Contractor training is provided through the American Public Works Academy and cooperation with Sarasota County.	

Narrative Reports for SWMP Activities

Section 4.1 Structural Controls, Inspection and Maintenance

Inspect and Maintain Stormwater Structural Controls - City and County

Detention Systems (wet / dry):

City, County, and State detention systems totaling 148 were mowed, treated with herbicide as needed, and had litter removed on a monthly schedule. Underdrains were inspected and maintained at each site according to permit requirements established utilizing 18 to 24 month cycles. Monthly inspections of all detention system control structures were also performed during contract oversight at each facility. Fence repair and other maintenance were performed as needed. Collected debris was taken to the landfill as per contract specifications. Inspectors also provided assessment of all associated side slopes, inlets, and outlets for damage or sediment buildup. In 2002 Sarasota County inventoried a total of 100 wet detention systems. The City of Sarasota had an inventory of 19 wet detention systems and 7 dry detention systems. Sarasota County also provided concurrent maintenance of 30 wet detention systems for the Florida Department of Transportation. The Contractors providing herbicide maintenance were all certified by the State of Florida in pesticide application per County contract specifications. County employees providing inspections received training and were certified through the Florida Department of Environmental Protections "Stormwater, Erosion and Sediment Control Inspectors Training Program". Mowing and herbicide site inspections for both the County of Sarasota and City of Sarasota totaled 5,262.

Ponds and Lakes:

During 2002 Sarasota County and the City of Sarasota had a total inventory of 101 lakes. Of these lakes 5 sites were within the City of Sarasota and 96 sites were County. Each site was inspected, mowed, and treated with herbicides on a monthly cycle. Litter and trash was removed at each site during the monthly service cycle and taken to the landfill for disposal. Inspections during 2002 totaled 834 for both City and County Lakes and Ponds.

Weirs and Flow Control Devices:

Annual inspection of the 85 weirs and flow control devices within the channel systems in

Sarasota County were performed. Structural inspections included checking for major defects, erosion, sedimentation, bleed-down devices, and underdrains. These inspections were completed on all of the 85 weirs and flow control devices. Inspection reports identified deficiencies observed on the inspector's site visit. Repairs were made to 1 weir structure during 2002. Weekly inspection was provided to 3 pump stations to assure they were free of debris and operated properly when required.

Channels:

Maintenance and inspections were provided for 530 miles of channel systems. 30 miles were within the City of Sarasota and the remaining 500 miles were in the County of Sarasota. Maintenance was provided by hand clearing, herbicide contractors and County staff utilizing heavy equipment and prison labor. In 2002, contractor hand clearing completed 367 sites, totaling 154.79 miles. Hydraulic excavators completed 26.44 miles of channel, hydraulic mowers cleared 109 acres, and prison labor completed 14.5 miles of channel clearing. Vegetation management utilizing herbicides was also provided to City and County channel systems. Contractors provided herbicide and litter control monthly on 29 sites totaling 110.26 acres within the City of Sarasota. County staff provided quarterly inspections and herbicide management of vegetation covering 2,092 acres within County channel systems. A total of 195.73 miles and 2,311.26 acres were cleaned and maintained during 2002.

Cost Summary:

Channel maintenance:	\$2,684,308	195 miles cleared; 2,311.26 acres mowed & sprayed
Weir inspections:	\$5,540	85 inspections
Weir maintenance:	\$40,373	1 unit / Cow Pen Slough gate repair
Pond maintenance:	\$319,066	6,096 inspections (detention ponds / lakes)
Pond excavation:	\$53,642	2,730 cubic yards
Mitigation maintenance:	\$38,522	740 hours on site maintenance

Permit Element: Inspect, Maintain & Assess Structural Controls

Objective: Prevent flooding and reduce pollutants in MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: 9953 inspections.

Weaknesses: Activity tracking

Assessment: Effective.

Future: Continue the existing program. Improve tracking elements.

Modifications: None at this time.

Annual Evaluation of Inspection/Maintenance Schedule and Equipment Use - City and County

The inspection and maintenance (I&M) program continues to be very effective and will be continued. Performance management software, Maximo, will be used to assist in improving scheduling of equipment and manpower to optimize cost effectiveness. Customer service requests are an evaluation criterion. The county has done an excellent job of satisfying customers by keeping water off of yards, streets, and septic systems. The I&M of permitted facilities has been praised in a recent letter by the director of the SWFWMD as being outstanding. Permitted facilities are ponds and wetlands mitigation areas, such as the Celery Fields site. Cost comparisons have been made to private industry and the County has been found to be very competitively priced, even economical.

Permit Element: Annual evaluation of inspection and maintenance schedule and equipment optimization.

Objective: Consider re-prioritizing annually.

Activities: Described above.

Compliance: In compliance.

Strengths: Excellent drainage improvements.

Weaknesses: None have been identified.

Assessment: Described above.

Future: Maximo software.

Modifications: No permit modifications are suggested.

Updated Inventory of Private Stormwater Systems - City and County

The inventory of residential subdivisions and commercial parcels receiving Storm Water

Assessment credits in Sarasota County and the City of Sarasota was regularly updated to account for new development.

Summary of Compliance Inspections of Private Stormwater Systems - City and County

The credit was applied to developments that operate and maintain the private stormwater management system serving a specific area. Sarasota County Storm Water Ordinance No. 94-066, and supporting resolutions, requires inspections of these credited systems to assure appropriate application of the credits. During inspections, inspectors checked the condition of skimmers, outfall structures, sediment sumps, slope stabilization, underdrain and filtration systems, and other aboveground structures or visible features. Existing conditions were compared to construction drawings or as-built drawings as needed.

The Ordinance calls for owner notification if a private stormwater system does not pass inspection. After notification, the owner has 90 days to perform remedial actions to bring the system into compliance. Noncompliance can result in revocation of the stormwater assessment credits. During 2002, 140 private systems were inspected under this program. All 140 systems passed the inspection, having been maintained and operated according to the original design. A few systems exhibited minor maintenance problems that were reported to the appropriate maintenance entity and addressed in a timely manner.

Permit Element: Inventory, inspect & require compliance of private stormwater systems.

Objective: Prevent flooding and reduce pollutants in the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Inspection serves dual purposes of water quality and verifying assessment credit.

Weaknesses: None have been identified.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.2 Development Planning Procedures

Stormwater Quality in Comprehensive Plans - Sarasota County

Stormwater quality is improved by implementation of land development regulations that require stormwater detention and retention. In addition, significant development planning is done in relation to the Basin Master Plans and use of the stormwater model to prevent flooding. Development planning also requires implementation and maintenance of best management practices for erosion control.

Stormwater Quality in Comprehensive Plans - City of Sarasota

Each new development within the City is required to meet the water quality standards as defined and permitted by the SWFWMD pursuant to Part 6., 2., c., of the City of Sarasota Engineering Design Criteria manual, Chapter 29.5 of the City Code. Each new development within the City is required to provide and maintain erosion/sedimentation controls during construction phases pursuant to Part 2. of the City of Sarasota Engineering Design Criteria Manual, Chapter 29.5 of the City Code.

Basin Master Planning - City and County

Sarasota County continued the Basin Master Planning program; approving new studies and updating previously completed studies. The newly approved studies, covering the Business District, Cowpen Slough, and Shakett Creek, were adopted by the Board of County Commissioners (BCC) during 2002. Subsequent to approval, all completed basin studies will be updated regularly to reflect new development, infrastructure improvements, and other physical changes to the overall stormwater system. The City of Sarasota continued to participate in the Basin Master Planning process.

Table 4.2. Basin Master Plans Status.

Completed Studies	Updated Studies	Studies Underway	Future Studies
Ainger Creek	Phillippi Creek**	Whitaker Bayou**	Coastal Basin Improvement Areas
Alligator Creek	Matheny Creek	Myakka River	
Big Slough	Forked Creek	Deer Prairie Slough	
Clower Creek	North Creek	Little Salt Creek	
Elligraw Bayou	Woodmere Creek	Braden River	
Fox Creek	Holiday Bayou		
Hudson Bayou**	Gottfried Creek		
Catfish Creek	South Creek		
Curry Creek	Business District**		
Hatchett Creek	Cowpen Slough*		
	Shakett Creek		

* Studies completed but not yet adopted by Board of County Commissioners.

** Basin located entirely or partially within the City of Sarasota.

It is anticipated that the basin studies and necessary updates will be completed in 2004. Although complete, the basin studies will be maintained through annual updates to reflect on-going development, infrastructure improvements, and new information. The annual updates will be coordinated and shared with the Southwest Florida Water Management District.

To that end, various agencies of Sarasota County have united in a more comprehensive approach to all issues associated with water. The Sarasota County Integrated Water Resource Team (IWRT) has developed three initiatives:

- Enhance water quality in bays, rivers, creeks, and natural systems
- Provide adequate potable and irrigation water to meet projected needs
- Maximize flood protection.

A holistic approach will be developed to interconnect the hydraulic cycle so water resources can

be conserved and utilized to the greatest advantage.

Permit Element: Basin master planning.

Objective: Limit pollutant discharges from developments.

Activities: Described above.

Compliance: In compliance.

Strengths: Information from the master plans has tremendous value for flooding and water quality.

Weaknesses: Funding for projects exclusively for water quality was not readily available.

Assessment: The basin master planning program in Sarasota County is leading the way for other counties and cities.

Future: It is anticipated that water quality efforts will expand as flood control problems are resolved.

Modifications: No permit modifications needed.

Encourage Reductions in Impervious Surfaces - Sarasota County

LDRs allow up to 25% of parking spaces to be grass or other impervious (unpaved) surface. Houses of worship, schools, and certain other land uses can have entirely pervious parking, except handicapped parking spaces, which must be impervious. LDRs require pervious areas (buffers and greenbelts) in all new subdivisions.

Encourage Reductions in Impervious Surfaces - City of Sarasota

Application of the SWFWMD rules in urban re-developments result in exemptions on sites that were previously impervious (i.e., parking lot becoming a building). The requirements of the Engineering Design Criteria Manual for stormwater attenuation on every site exceeding 1500 square feet on impervious helps offset this situation.

Permit Element: Land development regulations to minimize impervious surfaces.

Objective: Reduce runoff to the MS4 and thereby reduce pollutant loading.

Activities: Described above.

Compliance: In compliance.

Strengths: An effort is being made.

Weaknesses: None.

Assessment: Moderately effective.

Future: Increase buffer widths. Allow no more than 110% of parking spaces paved and impervious.

Modifications: No permit modifications needed.

Design Criteria for Stormwater Retention/Detention and Erosion Control - Sarasota County

Sarasota County Land Development Regulations require the detention and treatment of stormwater in order to improve the quality and control of stormwater runoff. Two sections of the LDR, B.4. of the Subdivision Technical Manual, and C.1. of the Development Improvements Technical Manual (for non-subdivisions) require stormwater management detention systems to comply with SWFWMD criteria, but be modified to meet County standards and address the one hundred year 24-hour storm. In addition, these rules require: "Wet detention treatment shall be designed to treat one inch of runoff, other treatment systems shall be designed to treat runoff resulting from the first one inch of rainfall. Stormwater systems discharging directly into saltwater tidal systems, bays, or the gulf shall be designed to treat 1.5 times the volume required for the selected treatment system". Section B.4.e.3. of the Subdivision Technical Manual, Ordinance No. 2002-026 requires stormwater master plan for treatment for the entire site of all new rezones."

Design Criteria for Stormwater Retention/Detention and Erosion Control - City of Sarasota

Chapter 29.5 of Code of the City of Sarasota created the Engineering Design Criteria Manual (created 1989), which requires development in the City to meet SWFWMD rules for stormwater quality.

Permit Element: Require stormwater treatment for developments.

Objective: Reduce the amount of pollution entering the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Flood control and limited reductions in pollutant load increases.

Weaknesses: The standards allow increases in pollutant loads to watersheds.

Assessment: Big improvement over pre-regulated conditions.

Future: The County is working with SWFWMD consider the implications of creating standards that eliminate pollutant load increases related to development.

Modifications: No permit modifications needed.

Building Permits Verify SWFWMD, DEP, ERP and NPDES Permits - Sarasota County

Land Development Services does not release (approve) construction plans until copies of all permits from other agencies, including the State of Florida and the Water Management District, have been furnished.

Building Permits Verify SWFWMD, DEP, ERP and NPDES Permits - City of Sarasota

Notification of NPDES Regulations is provided to developments proposed in the City of Sarasota at the time of development review prior to issuance of permits.

Permit Element: Verify permits.

Objective: Ensure compliance with rules before developments approved.

Activities: Described above.

Compliance: In compliance.

Strengths: Simplicity.

Weaknesses: None.

Assessment: Effective.

Future: No changes.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.3 Roadway Maintenance

Litter Control - City and County

Keep Sarasota County Beautiful coordinates a great many litter control programs, including:

- Adopt a road, park, shore or spot,
- Bag it in Your Car Day,
- Florida Coastal Cleanup,
- Great America Cleanup,
- Cigarette butt anti-litter program

2,826 volunteers picked up 47,670 pounds of trash off Sarasota County's roads, waterways, and shorelines through the KSCB program.

Litter Control - Sarasota County

Mowing staff and contractors remove litter along roadways and ponds. All scheduled mowing was inspected during and after mowing.

Litter Control - City of Sarasota

The City removes litter on state roads, city streets, parking lots, public building sites and city parks within the City Limits. Approximately 165 trash receptacles have been placed throughout the City with approximately 300 tons/year being disposed annually. Additionally, approximately 54 tons/year of litter are removed from streets and highways. Public Works continues to support and participate in Keep Sarasota Beautiful and other neighborhood action cleanups.

Permit Element: Litter removal and proper disposal.

Objective: Capture litter before it enters the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Successful programs implemented through partnerships.

Weaknesses: Lack of leadership positions.

Assessment: Effective.

Future: To increase participation in existing programs countywide.

Modifications: No permit modifications needed.

Street Sweeping - Sarasota County

Sarasota County provides street sweeping on arterial/collector roads utilizing contract services and residential sweeping with County staff and sweepers. The contract sweeping service covers 3 areas, North County with 201.42 miles, South County with 64 miles and Siesta Key with 58.30 miles. North and South County are under monthly sweeping cycles (12 times per year) and Siesta Key receives sweeping services quarterly (4 times per year). Residential sweeping within Sarasota County covers North County with 365.25 miles and South County with 151.9 miles. All residential streets are scheduled for sweeping quarterly. During 2002, 2526 miles of arterial/collector roads were swept and 2,157 miles of residential streets were swept. Total sweeping activities by contract service and County staff covered 4,683 curb miles. Total site inspections for street sweeping were 1,156.

Street Sweeping - City of Sarasota

All residential streets within the City of Sarasota are swept every 30 days, with a total of approximately 500 curb miles swept monthly. All commercial streets within the City of Sarasota are swept weekly, with a total of 270 curb miles swept monthly. All FDOT streets within the City of Sarasota are swept bi-monthly, with a total of 50 curb miles swept monthly.

Annual Assessment of Street Sweeping Program; Schedule and Coverage - Sarasota County

Drainage Operations has contracted street sweeping to reduce sedimentation of the MS4. In 2002, 201.42 miles of drainage infrastructure was swept twelve times annually. Fifty-eight miles were swept four times annually. A total of \$89,504 was spent.

After a decision to remove a 58 mile portion of sweeping from contractual work, it became apparent that a continued need existed to assure the free flow of storm water. This was been reprogrammed in 2003. Sweeping is provided to assure clear and adequate flow. It is part of a continued drainage structure maintenance program and provides a reduced potential for

pollutants to enter local waterways.

Annual Assessment of Street Sweeping Program; Schedule and Coverage - City of Sarasota

The practice of mechanically sweeping all City Streets on a regular basis effectively picks up a majority of foreign materials located on said streets, and thus limits the introduction of these materials into the storm water system.

Permit Element: Sweep streets and properly dispose of waste.

Objective: Capture pollutants before they enter the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Scheduling.

Weaknesses: None were identified.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Maintenance of Roadside Stormwater Structures - City and County

Cleaning and maintenance of arterial/collector and residential road systems was performed to ensure proper conveyance of stormwater and ensure water quality. Street sweeping was provided within Sarasota County utilized both County staff and equipment as well as contract services. 4,683 curb miles were swept during 2002 to remove debris and sediments. County staff also serviced 2,470 storm grates and catch basins along County roadways. Roadside ditches were kept clear of weedy vegetation by applying selective herbicides. Herbicides used on 492 acres of roadside ditch systems reduced mowing frequencies and ditching activities. Ditches were cleared and dug as needed to remove debris and sediments along 33.20 miles of roads within Sarasota County. Contract mowing also provided litter and debris removal (per contract specifications) along road systems to ensure debris collection prior to it entering stormwater treatment systems.

Permit Element: Maintain roadside stormwater structures.

Objective: Minimize flooding and minimize the pollutants in stormwater runoff.

Activities: Described above.

Compliance: In compliance.

Strengths: Much work accomplished.

Weaknesses: None identified.

Assessment: Schedules may be useful.

Future: Continue the established program.

Modifications: No permit modifications needed.

Reduce Pollutants from Road Repair and Related Sites - Sarasota County

BMPs were used during all road repairs, as follows: Silt screens were installed at all discharge locations from construction sites. Silt screens were effective when properly staked with the bottom of the screen, entrenched in the soil and maintained. Proper clean up of disturbed soil, excess pavement materials, and vegetation before the silt screens are removed is an important part of this BMP. Our installation, maintenance and clean up / removal is monitored periodically by our Supervisors for compliance with this BMP and it is effective.

Turbidity curtains were installed in waterways potentially impacted by construction activity, and turbidity was monitored in the waterways. Turbidity curtains were installed in waterways potentially affected by construction activity and were effective in containing sedimentation and well as floating objects. Turbidity was monitored downstream in compliance with regulatory permit stipulations and no work was suspended due to turbidity levels downstream of the turbidity curtains - therefore this BMP is considered effective.

Sedimentation devices were installed at stormwater inlet structures affected by construction activity. Hay bales or silt screens were installed around inlet structures and were evidenced effective when properly installed and maintained.

Reduce Pollutants from Road Repair and Related Sites - City of Sarasota

Continue to implement City's Engineering Design Criteria Manual standard practices to reduce pollutants associated with road repair. Continue to implement the Equipment Maintenance DEP Storage Tank Permit, which is inspected yearly by the County for DEP.

Equipment Maintenance uses BMP to reduce pollutants from entering the stormwater system. The waste metal filters are recycled by Safety Kleen. Waste parts cleaner is removed from the site by Safety Kleen every 5-6 weeks. Used Anti-freeze is stored in a 55-gallon drum and the used oil is stored in an above ground tank. Both are removed from the site by A&S Oil Recovery. Absorbent mats and rags, pig matting and donuts are used to clean up floor spills and road spills are removed by Safety Kleen.

Annual Assessment of BMPs and Facility Inspections - Sarasota County

The Hazardous Waste Program completed 26 SQG inspections at municipal facilities. Substantial amounts (17,188 pounds) of waste materials were redirected to more appropriate disposal through these inspections.

Annual Assessment of BMPs and Facility Inspections - City of Sarasota

The City continued using standards for erosion and siltation control from the Engineering Design Manual, Part 2. The BMPs used for fleet maintenance as described in previous annual reports, were still being used.

Permit Element: Implement BMPs at road work sites, yards, and shops.

Objective: Reduce pollutants in stormwater discharges to the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: The inspection programs are effective in preventing hazardous waste pollution.

Weaknesses: None identified.

Assessment: Adequate.

Future: Continue defined schedule of municipal facility inspections.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.4 Flood Management

Regulation of Development in the Floodplain - Sarasota County

Sarasota County regulates/controls development in the floodplain through the Land Development Regulations. Specifically, the LDR requires developments of >30 acres or with 8 acres of impervious surface to utilize the appropriate stormwater model to demonstrate no increase in flood levels as a result of the development. All encroachments into the floodplain were required to compensate for the displaced floodwater.

Regulation of Development in the Floodplain - City of Sarasota

The Sarasota City Plan (Goal 2., Objective 4., adopted November 10, 1998) states: "The City working in cooperation with the Sarasota County Department of Emergency Management, shall continue to reduce the exposure of life and property to natural disasters and discourage population concentrations in coastal high hazard area".

The City of Sarasota Engineering Design Criteria Manual (Chapter 29.5 of the City Code), Part 6., Section A., 4., states: " No net encroachment into the floodplain, equal to or less than that encompassed by the 100-year event will be allowed, if such encroachment will adversely either conveyance, storage, water quality or adjacent lands".

Progress Report on Flood Control Projects (include water quality treatment) - City and County

Several flood control projects were completed during 2002, as recommended by the Basin Master Plans. These projects addressed structure and street flooding level of service deficiencies. Although focused on flood control, the projects included some water quality design features as well. Bank stabilization, vegetation planting, water quality inlet structures, attenuation practices, removal of sediments, and creation of lakes and ponds undoubtedly improved downstream water quality. It is anticipated that, upon completion of the flood control projects, the focus of some projects will shift toward water quality issues.

Table 4.4 2002 Flood Control Projects

Completed Projects	Projects Started	Projects in Design
Gulf View Estates Outfall	Bahia Vista/Lockwood Ridge	Arlington / Euclid
Breakwater Branch		Bahia Vista / Lockwood Ridge
Williamsburg Branch		Lower Denham
		Albee Road
		North Englewood Lateral
		St. Armands Circle
		Clark Road
		Woodmere North Branch

Two projects were being designed with specific water quality features. The Northern Branch project in the Woodmere Creek basin was being coordinated with a wetland restoration project on the County-owned Lemon Bay Preserve. Stormwater flows will be diverted into a historic wetland that had been drained to control mosquitoes in decades past. Approximately 50 acres of wetland will be re-hydrated as a result. In an entirely urban drainage basin in the City of Sarasota, the St. Armands project will incorporate eight centrifugal water quality inlet structures. The structures will separate floatables and suspended solids from the runoff entering Sarasota Bay.

During 2002, the County further developed a dredging program to facilitate navigation of area waterways. Most previous dredging removed sediment to improve drainage. In concert with the dredging programs, Sarasota County will continue to focus on sediment source abatement.

Sediment source abatement activities included erosion repair, re-vegetation of disturbed areas, street sweeping, selective herbicide application, and regular maintenance of sediment removal devices such as weirs, baffle boxes, and inlet inserts. In addition, Sarasota County has successfully applied for grant funding under Chapter 319 for the installation of three baffle-box

sediment capture devices. These devices were designed to remove sediment and vegetative material from runoff, thereby reducing the amount of suspended solids and total nitrogen entering the receiving waters. Monitoring will be conducted to measure the effectiveness of the baffle-boxes.

A new sediment monitoring program was initiated that evaluated the quality of sediment trapped above dozens of low-flow weirs located throughout the MS4. Results will be used to estimate the design and location additional weirs that would reduce downstream sedimentation, toxicity, and nutrient loading. Other considerations include contributing land-use type and the appropriate maintenance schedule.

Permit Element: Flood management.

Objective: Ensure that flood control projects include pollution reduction features.

Activities: Described above.

Compliance: In compliance.

Strengths: Flooding was reduced.

Weaknesses: Funding for water quality projects was limited.

Assessment: Effective.

Future: Continuation of existing programs and projects.

Modifications: No permit modifications needed.

Consider Water Quality Retrofits - City and County

Retrofits projects are described above.

Narrative Reports for SWMP Activities

Section 4.5 Municipal Facilities

Summarize Inspections, Best Management Practices, Permits, and Training

Solid Waste Facilities - Sarasota County

Sarasota County has three solid waste facilities: the Central County Solid Waste Disposal Complex (CCSWDC), the former Bee Ridge Landfill, and the Venice Transfer Station.

The Central County Solid Waste Disposal Complex (CCSWDC) opened in 1998 and is still active. It is subject to NPDES stormwater discharge requirements for municipal landfills. The CCSWDC obtained coverage under Sector L of the State of Florida Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity, Permit No. FLR05B637. The permit was issued on May 22, 2002 and expires May 21, 2007. Leachate is taken to the Bee Ridge Water Reclamation Facility for treatment. There are seven stormwater ponds on site. Stormwater, which does not come into contact with leachate, discharges to ponds, wetlands, and then to Cow Pen Slough.

An AWQP inspector inspects this facility annually and is a member of the facility's Stormwater Pollution Prevention Plan team. All stormwater permit conditions are met within allowed time frames. The stormwater systems are inspected daily and repairs are made as needed. The letdown structures are kept free of debris and the swales are mowed as needed. The structures the CCSWDC are only a few years old and in good condition. No modifications are planned for the system until Phase 1 is closed, then permanent letdown structures will be built to carry the stormwater to the proper swales and then to the holding pond before discharge. The permanent storage facility at the CCSWDC has been completed and all fuels and oils are stored inside. No equipment maintenance is done on site.

The Class I Bee Ridge Landfill closed in February 2000 and was subject to Long Term Care Permit No. 40049-002-SF, as well as wastewater Permit No. FLS0039306. The wastewater permit expired on March 31, 2000. The Bee Ridge Landfill obtained coverage under Sector L of

the State of Florida Multi-Sector Generic Permit No. FLR05F499 for Stormwater Discharge Associated with Industrial Activity. The permit was issued on May 20, 2002 and expires May 19, 2007. Runoff from the site drains to stormwater detention ponds large enough to hold the first ten inches of rainfall. Greater flows discharge from the pond to offsite via a weir.

An AWQP inspector inspects Bee Ridge annually and is a member of the facility's Stormwater Pollution Prevention Plan team. All stormwater permit conditions are met within allowed time frames. The stormwater systems are inspected daily and repairs are made as needed. The stormwater swales are cleaned and kept in good condition. The letdown structures are kept free of debris. The structures are only a few years old and in good condition. The site is regularly mowed. There is no maintenance of equipment done on site. There are no modifications planned for the Bee Ridge Landfill.

The former Venice Landfill was closed in 1986 and is now subject to a DEP Long Term Care Permit that includes stormwater issues. The active Jackson Road Transfer Station shares the site and is regulated by DEP. The leachate control system that was deactivated in October 1998. The landfill and transfer station are not required to have a MSGP for stormwater discharges.

Venice landfill is sixteen years old but the storm water system is inspected daily and repairs made immediately, when needed. The letdown structures are kept free of debris. The storm water swales are cleaned and kept in good condition. The site (including swales) is mowed regularly. All stormwater permit conditions are met within allowed time frames. There are no modifications planned for site. There is no equipment maintenance done on site.

Solid Waste Facilities - City of Sarasota

The City uses both City personnel and a private hauler for solid waste and recyclable materials. The City contracts with Browning Ferris of North America to operate a solid waste transfer facility, a recyclable processing center, and a recyclable buy back center - all at one facility. BFI will continue to implement their Florida Multi-Sector Generic Permit for Stormwater Discharge, which is inspected by the County once a year.

Solid Waste Fleet and Equipment Maintenance and Storage Yards - Sarasota County

Solid Waste fleet and equipment is maintained by County Fleet Services. Fleet vehicles and equipment are stored at the CCSWDC. The CCSWDC obtained coverage under Sector L of the Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity, Permit No. FLR05B637. Both the DEP and the County inspect the CCSWDC. County personnel inspect Fleet Services also.

Solid Waste Fleet and Equipment Maintenance and Storage Yards - City of Sarasota

Equipment Maintenance uses BMP to reduce pollutants from entering the stormwater system. The waste metal filters are recycled by Safety Kleen. Waste parts cleaner is removed from the site by Safety Kleen every 5-6 weeks. Used Anti-freeze is stored in a 55-gallon drum and the used oil is stored in an above ground tank. Both are removed from the site by A&S Oil Recovery. Absorbent mats and rags, pig matting and donuts are used to clean up floor spills and road spills are removed by Safety Kleen.

Publicly Operated Wastewater Treatment Works (POTWs) - Sarasota County

There are 62 wastewater treatment plants in Sarasota County. Thirteen of these are municipal or County POTWs. AWQP personnel inspect all of the wastewater treatment facilities monthly, and perform compliance sampling inspections annually for each delegated facility. Four POTWs discharge to surface water or to the MS4, including the City of Sarasota, the City of Venice Eastside, Sarasota County Gulf Gate, and Sarasota County Southgate. Gulf Gate and Southgate were acquired by the County in August 2002. These four facilities do not have State of Florida Multi-Sector Generic Permits for Stormwater Discharge Associated with Industrial Activity. Some of the wastewater treatment facilities have DEP or SWFWMD stormwater permits that require mowing of small stormwater detention ponds.

Mineral acid tanks, fuel tanks, and hazardous substance tanks over 550 gallons are regulated and inspected by the DEP. Treatment work personnel perform a visual inspection of these tanks daily.

Publicly Operated Wastewater Treatment Works - City of Sarasota

The Stormwater Pollution Prevention Plan for the WWTP continued to serve as the controlling document for the management of vehicle maintenance and storage facilities at the plant. SWMP activities are conducted according to the Spill Response Plan approved by Pollution Control. Effluent discharges complied with the NPDES permit.

Wastewater Residuals Application Sites - Sarasota County

AWQP staff conducts monthly compliance inspections of all regulated wastewater residuals application sites. In 2002, the Water Pollution Control Code (Ordinance 96-020) was amended to increase regulation of residuals land spreading site requirements and setbacks (Appendix B). Since implementation of the new rules in August 2002, three domestic wastewater residuals sites have withdrawn their Agricultural Use Plans from the DEP. The remaining two sites no longer receive biosolids. Presently, the County has no properties that are permitted to receive biosolids. The properties that were previously used for land application continue to be inspected on a monthly basis to ensure compliance with the harvesting restrictions in effect. Industrial residuals sites are directly regulated by the DEP.

Wastewater Residuals Application Sites - City of Sarasota

Wastewater residuals were composted and sold in bulk for use as a soil amendment; approximately 1500 dry tons of sewage sludge were composted, rather than being land applied.

Wastewater Utilities Fleet and Equipment Maintenance and Storage Yards - Sarasota County

Vehicles are stored in Utilities parking lots. Vehicles are maintained off-site by County Fleet Services. County personnel inspect Fleet Services.

Wastewater Utilities Fleet and Equipment Maintenance and Storage Yards - City of Sarasota

Equipment Maintenance uses BMP to reduce pollutants from entering the stormwater system. The waste metal filters are recycled by Safety Kleen. Waste parts cleaner is removed from the site by Safety Kleen every 5-6 weeks. Used Anti-freeze is stored in a 55-gallon drum and the used oil is stored in an above ground tank. Both are removed from the site by A&S Oil Recovery. Absorbent mats and rags, pig matting and donuts are used to clean up floor spills and

road spills are removed by Safety Kleen.

Permit Element: Municipal facility stormwater controls.

Objective: Reduce pollution in stormwater.

Activities: Described above.

Compliance: In compliance.

Strengths: Most municipal facilities are inspected by both the DEP and the County.

Inspections performed by the County are more frequent than those performed by the DEP and help to ensure consistent adherence to environmental regulations and stormwater pollution prevention practices. Municipal landfills obtained coverage under Sector L of the State of Florida Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity and actively update their Stormwater Pollution Prevention Plans. An AWQP inspector, who focuses on water quality and stormwater pollution prevention, inspects the municipal landfills annually and is a member of the facility's Stormwater Pollution Prevention Plan team.

Weaknesses: None.

Assessment: Stormwater controls are effective.

Future: Continue the existing program. Work with the four POTWs that discharge to surface water, to determine if they need coverage under the State of Florida Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity. Continue to perform monthly inspections of domestic wastewater residuals sites until their respective harvesting restrictions are no longer in effect. All monthly inspections of these sites should cease by December 2003.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.6 Pesticides, Herbicides, and Fertilizers

Summary of Public Education Efforts to Reduce Usage of Pesticides, Herbicides, and Fertilizers

Community Services, Cooperative Extension Service - City and County

Public education programs continue to address the reduction of landscape watering, the reduced use of pesticides, herbicides, and fertilizers, and the design of landscapes to minimize stormwater runoff. The Sarasota County Cooperative Extension Service primarily sponsors and performs these programs. Sarasota Extension also provides advice on native plantings, xeriscaping, appropriate use of fertilizers (including slow-release), and Integrated Pest Management (emphasizing “least-toxic” approaches). Most of these services are provided through the Florida Yards & Neighborhoods program, utilizing Environmental Landscape Management principles. The dominant Sarasota Extension facility demonstrating and educating these principles is the Florida House Learning Center, which utilizes many innovative materials and methods to reduce energy, wastes and environmental impact. Another facility, the Green Office Building at Twin Lakes Park, will open in early 2004 to highlight Florida-friendly landscaping for commercial office buildings. All Sarasota Extension programs are offered and available to all County residents, including residents of the cities of Sarasota, Venice, North Port, and Longboat Key.

From January 2002 to March 2003, Sarasota County Cooperative Extension Service welcomed 13,427 recorded visitors to Florida House, with another 4,000 visitors estimated to have visited the landscape alone. Another 23,586 people received landscape assistance from Extension staff in direct outreach efforts, primarily through contact with the Extension Helpdesk and Satellite Service, and there were over 280,000 hits (unique page views) on the office website, which features resource conservation and Environmental Landscape Management information. There were more than 204 landscape and pesticide educational programs conducted, and 26 achieved Certified Florida Yard status in the Florida Yards & Neighborhoods Program (bringing the total number of Certified Florida Yards to 172 in Sarasota County). There is an active outreach program to the public school system to promote the responsible use of pesticides, herbicides, and fertilizers.

The outreach program assisting condominium and homeowner associations to reduce stormwater runoff and improve stormwater quality through landscape and irrigation modifications continues to show impressive results. The number of associations contacted and receiving some form of educational outreach has grown to 220. This is not a static number as many of these continue to receive educational information and continue to make minor and major changes over time. Based on the observed results, so far, it can be expected that 90% of the 220 associations will make some changes. The most typical changes are expected to be capping irrigation heads, selecting drought-tolerant plants, eliminating turf strips, tying smaller beds together, and adjusting irrigation systems seasonally. These small changes have shown water savings of approximately 50-70%. Water savings actually measured by four associations add up to 21,400,000 gallons, a reduction of 84%, from 10 gal./sq.ft. down to 1.6gal./sq.ft. A conservative estimate of 50% reduction in water use for the 127 associations already reported to have made changes would yield estimated water savings of approximately 314,000,000 gallons for this 32-month time period. An even more conservative estimate of future water savings for the 220 associations would yield expected reduction of approximately 456,000,000 gallons per year.

A new outreach program was implemented targeting the builders, developers and landscape/irrigation installation industries, which started in late 2002. This FY&N Builder/Developer Outreach Program educates this audience on how to comply with the Sarasota County Landscape Water Conservation Ordinance. This Ordinance has the following requirements for all new building landscapes in unincorporated Sarasota County: less than 50% of landscape in high water use irrigation; all tree and shrub beds to be micro-irrigated; no irrigation or plants installed within the dripline of the building; and various other requirements. This educator has been doing site visits to physically demonstrate how to make these changes. By March 2003, over 30 contractors have been educated, representing hundreds of new homes and landscapes.

Mosquito Management Services - City and County

Community education programs expanded during 2003. A full-time program assistant was hired for the education and outreach program. The public was educated about how to prevent

mosquitoes around individual homes and communities without spraying. Public service announcements (2 videos), newspaper articles (6), television interviews (10), web page information, and brochures (1038) on how citizens can prevent mosquitoes were produced.

Public Works, Facilities Maintenance

- Two horticultural staff members give presentations through our County Library educational programs, local civic groups, and County-sponsored public workshops on Environmental Landscape Management, pesticide reduction, native plants, and water conservation. Integrated Pest Management and the least toxic control alternatives are always emphasized.
- Facilities Maintenance maintains the landscaping at all County libraries, which have all been certified under the Florida Yards and Neighborhoods Program. Signage designating the library as a Certified Florida Yard is by each front entrance, and information for the public to have their yard certified is available inside the library.
- Public bid documents for Environmental Landscape Management services include explanations, for educational purposes, of the environmental reasons we require the services requested. Specific examples from the bid documents include:
 - Mulching mowers are required. These specialized mowers chop grass clippings into small pieces that fall amongst the grass, rather than blow out large clumps of grass that can end up in street gutters and stormwater systems.
 - Fertilization: “Concern about the harmful environmental impact of nitrate leaching on both surface water and groundwater quality will dictate sound turfgrass management practices to ensure that the nitrogen applied is utilized by the turfgrass and not lost below the root zone. Some of the methods Facilities Management uses in achieving this goal are: efficient irrigation systems operated in a manner that minimizes percolation below the root zone, slow release nitrogen source, lower application rate, reduced frequency of nitrogen application.”
 - All turf is fertilized with a granular 100% natural organic fertilizer, no sewage sludge products are allowed. Chelated iron is applied in place of a

nitrogen application.

- Fertilizer used must be approved prior to application. “ To further minimize surface water contamination, fertilizer shall not be applied any closer than 15 feet from the top of bank of any ponds, lakes, or ditches.”
- Integrated Pest Management: “ Our intent is to focus on prevention or suppression of pest problems with minimum impact on human health, non-target organisms, the environment, and surface and groundwater. We have developed specific use/risk reduction strategies that include the use of biological pesticides and other approaches to pest control that are considered safer than traditional chemical methods. When treatment is necessary, the least toxic most target-specific, non-synthetic chemical pesticide will be chosen. The primary objective of the IPM program is to prevent pest problems and, therefore, eliminate the need for any pesticide applications in the first place.”
- Facilities Maintenance is a partner in the U.S. Environmental Protection Agency’s Pesticide Environmental Stewardship Program. This EPA program is designed to minimize pesticide risk to human health and the environment.

City of Sarasota

The City encourages the use of xeriscaping and Florida native plants through a brochure called "Watering Wisely" which was mailed to all the residents. This brochure described how to create a Florida-friendly yard that could help restore bays and estuaries.

Permit Element: Educate the public about using less pesticide, herbicide, and fertilizer.

Objective: Minimize pesticides, herbicides, and nutrients in stormwater runoff.

Activities: Described above.

Compliance: In compliance.

Strengths: Widespread public support for IPM.

Weaknesses: Mosquito-borne diseases could reduce public support for IPM.

Assessment: Effective.

Future: Expand existing programs. Make permanent the condo outreach position. Assign a

full-time Mosquito Management employee to public education.
Modifications: No permit modifications needed.

Summarize Internal Efforts to Reduce Usage, Ensure Proper Mixing and Storage, Train Staff, and Require Applicator Certification

Cooperative Extension Service - City and County

Sarasota County businesses and employees whose duties include the application of pesticides and herbicides are certified by the Florida Department of Agriculture and Consumer Services and are trained and/or tested by the Sarasota County Cooperative Extension Service. 146 pesticide tests were administered. 468 people attended Quarterly Pesticide Training seminars, Limited Landscape Maintenance Certification Qualification Seminars, Limited Lawn & Ornamental Training Seminars, and other less formal group learning activities, and have become more educated in proper pesticide handling and application and in proper landscape management. All pesticide and landscape management training programs currently conducted incorporate training for proper pesticide mixing and storage, and for minimizing pesticide use.

Mosquito Management Services - City and County

- IPM methods were used to manage mosquitoes. When treatment of water was needed, the least toxic, practical larvicides were used, e.g. *Bacillus thuringiensis* or *Bacillus sphericus*; methoprene- insect growth regulator.
- All pesticides were stored, applied, and containers disposed of according to their individual EPA-registered labels;
- Storage of pesticides was confined to the pesticide storage facility, a 40 by 60-foot building with concrete floors and a 120-gallon impervious sump;
- All application of pesticides was done in compliance with the EPA pesticide labels. Non-insecticide methods of mosquito management were used whenever practical; these methods include source reduction, predator mosquito fish distribution, public education, and review of engineering plans to prevent artificial mosquito habitats;
- No pesticide rinsates were accumulated; all pesticide rinsates were applied at treatment sites;

- Pesticide drums were removed on a regular basis by a registered recycling service and containers were disposed of according to their label instructions;
- Personnel were trained to handle and apply pesticides to eliminate chances of spills or accidents. However, if spills did occur, personnel also had the training and skills to contain and clean-up spills. Any spilled pesticides/materials and clean-up materials were identified and packaged for pick-up by the County's registered Household Hazardous Waste contractor; no pesticide spills occurred during 2003.
- The Safety and Health Specialist or designee inspects the chemical storage building weekly and oversees immediate corrective action if any deficiencies are found;
- The Safety and Health Specialist or designee inventories pesticides each week;
- All operational staff members hold Florida Department of Agriculture and Consumer Services, Core and Public Health Pest Control certifications that must be maintained by 16 hours of continuing education units during a four-year period.

The Safety and Health Specialist or other certified instructors trained the staff in the following:

- Hazard Communication (Right to Know);
- Fire Prevention and Evacuations;
- Emergency Preparedness;
- Personal Protective Equipment;
- Respirator;
- Hazardous Waste Operations;
- Hurricane Emergency; and
- First Aide/CPR.

Spraying of pyrethroid and organophosphate adulticides was reduced by 75% in adulticide reduction areas, which covered 26 square miles. The use of less-toxic larvacides was used in these areas, which were mapped using GIS technology. Maps and records were maintained of larvicide and adulticide applications and summarized in a weekly inspection report. In 2002, the ratio of acres larvicided to acres adulticided was 1:128, which exceeded the goal of 1:500 by 74.4%.

The habitat elimination and modification program was expanded in its second year and focused on the elimination of aquatic weeds that provide mosquito habitat. Fifty-five acres of aquatic weeds were eliminated. DEP refused to consider a plan to conduct mosquito ditching.

Gambusia (fish predatory on mosquito larva) were introduced into more than 180 new sites. They were provided to the public for new detention systems and ponds.

Research on safer alternatives to spraying was conducted in collaboration with USDA and Florida Medical Entomology Laboratory.

The container abatement program was continued in 2002.

The program was routinely reviewed by the DACS bureau of Entomology, the County IPM Advisory Board and the Steering Committee. The chemical storage building and container disposal plan met EPA requirements. Written protocols were in place; regular inspections were made of the storage facility. Records were kept of container disposal. Monthly reports were submitted to the DACS Bureau of Entomology on pesticide usage. The inventory pesticide storage building was routinely inspected.

Continuing education training was required for all full time employees (FTE), and OSHA & DACS training was required for all employees. The state maintained certification records and employees signed acknowledgement of receipt of OSHA required training. Florida DOACS, OSHA and EPA-required training was completed for 19 full-time employees. Fourteen seasonal employees were trained and up to 15 will be trained in 2003.

Facilities Maintenance - Sarasota County

The Maintenance Coordinator provides interior IPM, termite control, and bat mitigation using outside vendors for service. Our policy is to focus on prevention or suppression of pest problems with minimum impact on human health, non-target organisms, the environment, and our water resources. We have developed specific use/risk reduction strategies that include the use of biological and other approaches to pest control that are considered safer than synthetic chemical

methods. The primary objective of our IPM program is to prevent pest problems first, then choose least-toxic methods when control is necessary. We are members of the EPA Pesticide Environmental Stewardship Program (PESP).

The horticulturist oversees our Environmental Landscape Management Program that was developed to eliminate or reduce the use of pesticides, herbicides, and fertilizer while maintaining safe, attractive landscapes in a cost-effective manner. No herbicides were used in lawn areas, slow release and organic fertilizers were used to protect water quality and reduce pollutants reaching our water resources. Plants are pruned to retain their natural shape and provide shelter and food for our native birds. All our Library landscapes are certified under the Florida Yards and Neighborhood Program to serve as an example for our community.

The Maintenance Coordinator serves on the County Landscape Review Committee and oversees design of Florida Friendly Landscapes at all our facilities to enhance the quality of life in our community. Our award winning landscaping, that is both attractive and water conserving, has been recognized by Southwest Florida Water Management District as setting an example for others to follow.

The Maintenance Coordinator serves on the County Water Conservation Committee, which have been the leaders in County government for landscape water conservation. We select plants for landscape installation that are drought tolerant, utilize native plant species to the greatest extent possible, reduce or eliminate water consuming lawn areas, utilize low volume micro-irrigation in all landscape beds, and mulch beds with recycled mulch to conserve water and reduce weeds. Our IPM and ELM programs help protect the water quality in our community. Low volume irrigation minimizes runoff, allowing water to slowly soak in around plant roots, rather than spray all over and have excess run off.

In accordance with BOCC Resolution No. 90-252 and County Ordinance No. 2001-081, we design and install water conserving micro-irrigation systems, have rain shut-off devices on all irrigation systems, utilize reclaimed water whenever available, and provide ongoing irrigation system preventative maintenance to ensure our systems operate properly, reduce runoff, and

conserve water.

Aquatic Plant Control - Sarasota County

New employees were required to be certified within six months of employment and certification was also required of contractors. All ten aquatic plant control applicators hold DACS Restricted Use Pesticide Licenses with aquatic and Right-of-Way endorsements attached.

Drainage Operations - Sarasota County

Re-shaping channels to lessen slopes in order to reduce erosion. This also improves access for hand clearing and mowing, there-by reducing the need for herbicide application on slopes.

Forestry Operations

The Forestry Division reduced its use of fertilizers in the past year. Through a new fertilizer contract, the application of Quick N fertilizer was reduced by going to 9-month application cycles. The Forestry Division also decreased its use of Round-Up herbicide through the use of rubber mulch mats and through the use of a pH regulator in mix tanks. This also resulted in decreasing by 50% the use of glyphosate in the mix. Finally, we decreased pre-emergents and herbicide use in mulch areas by 10%.

Due to recent staff turnover and new employees, the Forestry Division currently has 4 Limited Lawn and Ornamental (LLO) certifications for applicators out of 13 field staff. Certifications cost \$150.00 each and last for 3 years. Forestry Division arborists also took a CEU class in Manatee County. Our goal is to have all field staff LLO-certified in the next year. All arborist will have CEUs and Limited lawn and ornamental as part of their job requirements.

Parks and Recreation - Sarasota County

Two Environmental Pest Management Technicians holding (Limited Certification for Governmental Pesticide Applicators in Lawn & Ornamental) who scout and treat pest and weed problems on athletic fields countywide. Six certified Arborist & Horticulture Technicians who control pest & weed problems at landscaped facilities (Limited Certification for Governmental Pesticide Applicators in Lawn & Ornamental). One Certified Pest Control Operator – Lawn &

Ornamental.

Pest problems are kept within reasonable control without excessive amounts of pesticides being applied to athletic fields or landscaped areas. 95% of the pesticides utilized for pest and weed control carry the Caution Label.

All individuals currently certified in their respective category meet the requirements of Chapter 482 F. S. They comply with the IPM directive of Sarasota County and meet the required Florida State requirements for re-certification schedules.

Ninety percent of the pesticides are stored in one location at Twin Lakes Park. Need to examine other sites for the safe storage of small quantities of products such as Amdro for Fire Ant control and similar products such as Round up for weed control around signs, bollards and post & cable.

The north and south athletic divisions have arranged with their respective pesticide and fertilizer suppliers to only deliver the amount of product for the scheduled activity. This has resulted in a minimum fifty percent reduction in the fertilizer stored at various facilities. Pesticide storage has been reduced by a similar amount and was further reduced by Operation Clean Sweep. This program administered by the Florida Department of Agriculture removes old, unused, or products no longer labeled for a given crop to a safe disposal site at no charge to the county. Estimate a cost saving of \$10,000.00 versus removal by a hazardous waste contractor. Reduction in the total amount of fertilizer applied from 200 pounds per acre to 125 pounds. Fertilizers are now blended with slow release forms of nitrogen and potassium to minimize leaching into the groundwater stream. Surface runoff has also been minimized by better scheduling of applications during the rainy season.

We need a funding source for strategic locations of wash down facilities that will recover residues on spray rigs, trucks and other grounds maintenance equipment. This will prevent them from being washed off equipment and polluting maintenance yards.

Fertilizer pollutants can be reduced by vigorous soil testing for available nutrients and then only

applying those needed fertilizer elements to maintain health plant growth.

City of Sarasota

Continue to follow Best Management Practices and follow integrated pest management from the University of Florida and the County Extension Office.

Constructed a new chemical building meeting state design. The City spent \$3850 for Ant killer, \$5633 for Roundup and \$2290 for fertilizer.

The City will continue to have contractors installing plant material follow Architect specifications that use BPM and IPM. Also we will continue to train employees. A BMP class was put on by Earth Advisors Inc. for 20 employees in Landscaping. We trained five new employees on the use of ant killer and roundup. Steve Stafford received his Ornamental & Turf License for public applicators.

Public Works Aquatic Plant Control Section - Sarasota County

- Storage of pesticides was confined to the same 40 by 60-foot pesticide storage building used by Mosquito Management Services;
- Chemicals that were applied by Aquatic Plant Control were approved by the DEP for use in water bodies;
- Aquatic Services did scheduled maintenance on canals and drainage ditches throughout the year. Canal slopes and banks were spot treated with herbicides.

Environmental Services, Resource Management

All herbicides are stored, applied, and disposed of in accordance with their individual EPA-registered labels. Two staff members were certified for herbicide application allowing them to treat Public Lands and aquatic habitats. Herbicide application licenses are maintained by attending training to receive continuing education unit credits. All herbicide application is performed by certified employees or contractors, or under the direct supervision of a certified applicator. Records were kept of the types and amounts of herbicides applied on the Pinelands and the Carlton Memorial Reserve from January 2002 through March 2003.

Reduced Use and Proper Storage and Mixing of Pesticides, Herbicides, and Fertilizers - City of Sarasota

Proper methods for storage and mixing of pesticides, herbicides, and fertilizers were employed.

Permit Element: Train handlers of pesticides, herbicides and fertilizers.

Objective: To minimize the pesticides, herbicides, and nutrients in stormwater runoff.

Activities: Described above.

Compliance: In compliance.

Strengths: Requiring certifications.

Weaknesses: Hiring sufficient seasonal staff to accomplish the adulticide reduction project is problematic. Certification for government employees is too easy.

Governmental employees should be required to meet the same standards as commercial certification for pesticide application, which is a more difficult test and requires more training for certification and to maintain certification.

Assessment: Effective.

Future: Expand outreach to residential audiences through the volunteer Master Gardener program. Expand outreach to commercial horticulture service providers and the building construction industry. Continued decreases in adulticide spraying of organophosphates; increased use of biological control, habitat elimination and research on safer alternatives. Continue the container abatement program.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.7.a. Illicit Discharges & Improper Disposal

Inspections, Investigations, and Enforcement

Allowed Discharges to MS4 - City and County

1. Uncontaminated roof drains;
2. Water line flushing;
3. Landscape irrigation;
4. Diverted stream flows;
5. Rising ground waters;
6. Uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20)) to separate storm sewers;
7. Uncontaminated pumped ground water;
8. Discharges from potable water sources;
9. Foundation drains;
10. Air conditioning condensate;
11. Irrigation water;
12. Springs;
13. Water from crawl space pumps;
14. Footing drains;
15. Lawn watering;
16. Individual residential car washing;
17. Flows from riparian habitats and wetlands;
18. Dechlorinated swimming pool discharges;
19. Street wash waters; and
20. Discharges or flows from emergency fire fighting activities.

Permit Element: List allowable discharges to MS4.

Objective: Appropriate discharge prohibitions.

Activities: Listed above.

Compliance: In compliance.

Strengths: The list continued to be appropriate.

Weaknesses: AWQP is considering how to handle mobile car detailing businesses, mobile pressure washing businesses, and landscapers.

Assessment: The present list of allowable non-stormwater discharges is effective. In addition, AWQP encourages citizens, local businesses, and other County offices to use stormwater pollution prevention techniques and best management practices to minimize the effects that these allowable non-stormwater discharges may have on the MS4 and surface waters.

Future: Continue with the existing list.

Modifications: No permit modifications needed.

Summary of inspection schedule, reporting point, SOPs, allotted staff and resources, interlocal agreements, investigations, enforcement, recordkeeping, and training - City and County

The Sarasota County Pollution Control Code (Ordinance 96-020) gives authority to AWQP to prohibit illicit discharges. This ordinance prohibits illicit discharges, illicit connections, and improper disposal to all waters, including stormwater, throughout Sarasota County (including the City of Sarasota). The specific language of the rule requires that all waters, at all places, at all times, within the territorial limits of Sarasota County remain free from floating, settleable, deleterious, and toxic substances. It prohibits any person from spilling, dumping, or discharging any material or substance into any stormwater conveyance, other than those composed entirely of stormwater. A copy of the recently amended ordinance is in Appendix B.

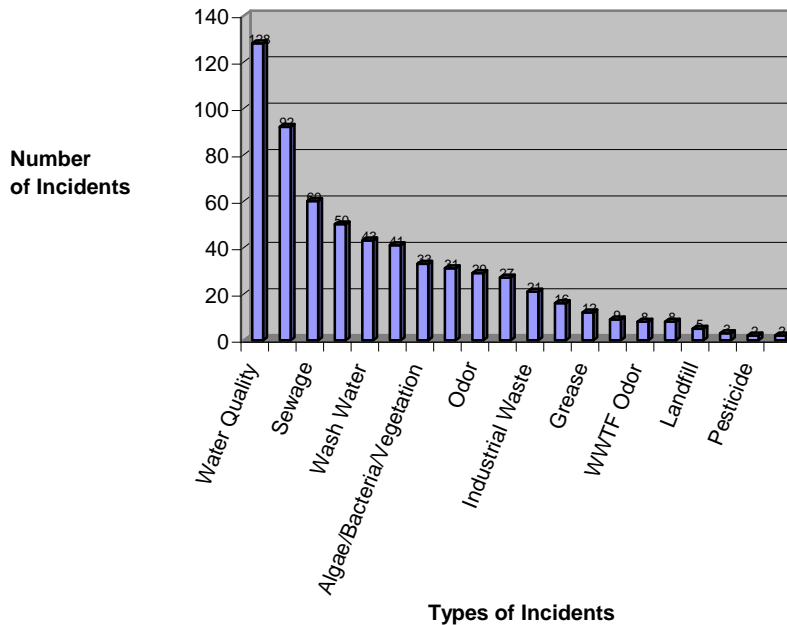
AWQP actively investigates citizen complaints, inspects industrial and domestic wastewater facilities, and performs proactive inspections. Compliance is often achieved through voluntary compliance thus eliminating the need for formal enforcement. When voluntary compliance is not possible, enforcement is vigorously pursued. During this reporting period, 620 pollution incidents were investigated with a total of 240 violations found. Voluntary compliance was achieved for 153 investigations. In thirteen cases the identity of the responsible party could not be determined, so there was no enforcement. Twenty cases were referred to other agencies for enforcement. Thirty-five Field Violation Notices were issued and all resulted in compliance.

Fifteen Non-compliance Letters, 2 Warning Letters, and 2 Short Form Consent Orders were issued. Thorough records were kept of all investigations and enforcement. Written procedures were maintained.

To respond to citizen's reports of pollution, AWQP maintained a 24-hour hotline telephone number that was active seven days a week. Inspectors also pursued proactive investigations, using field experience and professional knowledge to find and correct illicit discharges and improper disposal. Inspectors used land-use, age of development, previous problem areas, and areas located near surface waters to choose proactive inspections sites. These programs were highly productive. All AWQP inspectors were trained to spot evidence of illicit discharges, illicit connections, and improper disposal in the course of their regular inspections and duties.

Promotion of public reporting of illicit discharges was added to the County's Internet site allowing citizens to report their pollution concerns via the Internet. A copy of the reporting form is included in Appendix C.

January 2002 - March 2003 Incident Investigations



Permit Element: Inspections and enforcement of discharge prohibitions.

Objective: Reduce polluting discharges to the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: AWQP continues to be an innovative and highly effective regulator of prohibited discharges.

Weaknesses: None.

Assessment: This SWMP element is among the most effective.

Future: Continue the programs. AWQP will expand outreach training to other field personnel in Sarasota County and City of Sarasota governments.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.7.b. Illicit Discharges & Improper Disposal Field Screening

Reserved

Narrative Reports for SWMP Activities

Section 4.7.c. Illicit Discharges & Improper Disposal

Spill Response

The Sarasota County Emergency Services, Fire Department Special Operations Team was responsible for emergency response to hazardous materials spills for Sarasota County. In 2002, \$ 1,013,304 was spent responding to 499 emergencies.

During the last year, initiatives centering around increased customer responsiveness were completed. The primary objectives that were addressed included:

- Expansion of the number of fire operations personnel assigned to Hazardous Materials response mission from 33 to 42 with an ultimate goal of achieving a team of 54 personnel.
- Development of an interagency memorandum of understanding with the Sarasota County Sheriff's Office that will add an additional 10 law enforcement officers to the Hazardous Materials (Special Operations) mission. This will result in a greater capacity to respond incidents involving illicit use of hazardous substances/materials.
- Development of a Hazardous Materials Cost Recovery methodology. This cost system establishes one lead agency for the purpose of recovering costs during emergency operations phases of an event.
- Development of a clearly defined entry level and continuing education program for hazardous materials technicians. This program utilizes the Florida SERC Training Guidelines and the Hazardous Materials Technician Competency Assessment methodology previously developed by LEPC District 4.

During the FY 2004 time frame, the Special Operations (HazMat) Team has identified the following strategic initiatives:

- Increased emphasis for hazardous materials technician training in the areas of advanced response tactics.
- Develop a strategy and seek funding sources for establishment of a greater coastal spill response capability. This capability would be rapidly deployable to handle spills

on waterways or tributaries thereof and will likely involve Emergency Services Marine Operations unit.

- Comprehensive entry-level training for new technicians assigned to the team.
- Deployment of a new Special Operations response vehicle to provide greater support to field operations.

Permit Element: Respond to emergency spills of pollutants.

Objective: Minimize pollutants in MS4 while protecting the public from risk.

Activities: Described above.

Compliance: In compliance.

Strengths: Well-trained professionals.

Weaknesses: Enhancements in coastal spill response capabilities desirable.

Assessment: Effective.

Future: Continue to expand into response to terrorist attacks and tie that response capability to benefit environment response capabilities.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.7.d. Illicit Discharges & Improper Disposal

Public Notification

Summarize Publicity Program - City and County

AWQP continued using a dedicated telephone number for citizen reporting of suspected illicit discharges and improper disposal, with active staff response around the clock, seven days per week.

AWQP continued public education outreach activities, and provided citizens with information and materials describing what stormwater is, the components of the stormwater system, how to spot an illicit discharge, generally what can be discharged into the MS4, the problems associated with illicit discharges and improper disposal, and how to report incidents.

AWQP participated in the following educational and promotional activities:

- Earth Day (April 2002),
- 2002 Sarasota County Alliance for Environmental Education Solutions, "Teaching Teachers" workshop (June 2002),
- Pollution Prevention Month (September 2002),
- Annual Domestic Waste Workshop (November 2002),
- Reading Festival (November 2002),
- G.Wiz (Gulf Coast Wonder and Imagination Zone) Water Festival (March 2003),
- Earth Day (April 2003), and
- Stormwater Month (April 2003).

Activities during Pollution Prevention Month included stormwater pollution prevention displays at two local libraries. Personnel stationed at Earth Days, the Reading Festival, and Water Festival booths provided thousands of citizens with information and materials on the hotline number, stormwater pollution, its effects on water quality and animal life, as well as how prevent it. Some of the activities during Stormwater Month included a large stormwater pollution prevention display in the foyer of the Sarasota County Administration Building, a stormwater

pollution prevention display at two local libraries, a Natural Resources Staff Storm Drain Marking Day (approximately 250 drains were marked), two television interviews on the local Channel 40 television station, an article on channel 40's website, and an article in the Pelican Press Newspaper. In addition to these activities, eighteen presentations were given at local schools (elementary, middle, and high schools respectively) in a focused effort to educate youth to understand and recognize the importance of stormwater pollution and their role in preventing it. Personnel also continued to promote the Clean Marina Program and to educate citizens, business owners, and employees during incident responses and facility inspections. Environmental Services also provided internal environmental education through its business center newsletters, EarthTones and Executive Update.

Permit Element: Promote reporting of pollution by the public.

Objective: Reduce polluting discharges.

Activities: Described above.

Compliance: In compliance.

Strengths: AWQP has a year-round commitment to public education.

Weaknesses: Education efforts are very time consuming. Some stormwater details could be more fully explained.

Assessment: Effective.

Future: Develop promotional methods that are more systematic and less time consuming, like expanded use of the Internet site and pre-formulated press releases.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.7.e. Illicit Discharges & Improper Disposal

Oil and Household Hazardous Waste

Summary of Promotional Activities, Waste Collection, and Recycling - City and County

The Used Oil Collection and Household Hazardous Waste Programs were promoted via various means: Local TV promotional spots, notices in county utility bills, neighborhood mobile collections were promoted by door to door flyers, program information was placed on the county internet site, scgov.net, and also on the Earth911 internet site. County staff also promotes our programs while doing presentations at homeowner, civic and business groups.

The Hazardous Waste program was very active:

- Assistance was provided to 43 emergency response events to ensure proper clean up and disposal of hazardous waste.
- Inspections of 82 commercial demolition and renovation projects were performed, resulting in 3,434 fluorescent lamps, 80 HIDs, 42 mercury thermostats, 32 mercury switches, 6100 pounds of ballasts, 19 rechargeable batteries, 6 pounds of lead, and 51 pounds of miscellaneous hazardous materials collected.
- 31 responses to public reporting of illicit discharges were completed.
- Development of a business-training program was initiated. Training will be conducted at the new hazardous waste facility.
- 990 Small Quantity Generator (SQG) inspections were performed, resulting in 75,447 lbs. of hazardous waste collected.
- Staff conduct educational presentations in front of business groups through the Solid Waste Education / Outreach Program.
- The Mobile Chemical Collection Program is in place.
- The Curbside Electronics Collection Program is in place.
- The construction of a new Household Chemical Collection Facility is in progress.
- The Bee Ridge Household Chemical Collection Facility is open 3 days week, including Saturday.
- The Jackson Road Household Chemical Collection Facility is open 2 days per week,

and 2 Saturdays per month.

- Project Green Sweep, a program for small business and organizations is in place.
- The Curbside Used Oil Collection Program is in place.
- Two County Owned Oil Recycling Locations are open to public 5 to 6 days per week.
- The Retail Battery Collection Program is in place.
- Five Mobile Chemical Collections were held.
- 435,165 pounds of electronics were collected through the Curbside and Household Collection Facilities.
- 7,131 residents and 338 businesses participated in the household and business collection programs.
- 30,650 gallons or 233,553 pounds of used oil was collected through the Curbside Collection and County Oil Recycling Drop Off programs.
- A total of 1,564 propane cylinders, weighing approximately 24,136 pounds, were collected.
- The total of All Other Household Hazardous Waste Collected was 556,090 pounds.

Permit Element: Support and promote oil and household hazardous waste collection.

Objective: Prevent improper waste disposal into the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Inspection and enforcement programs have resulted in diversion of thousands of pounds of hazardous waste from the environment.

Weaknesses: None have been identified.

Assessment: Highly effective.

Future: The new Hazardous Waste Household Chemical Collection facility will be open to the public for expanded hours.

Modifications: No permit modifications needed.

Summary of Storm Drain Placarding Program - City & County

Sarasota County Public Works, Neighborhood Response Team (NRT) and AWQP assumed responsibility for the program in 2002 and made significant strides in reorganizing the program. An inventory of new and old marked drains was created for a total of 300. Placards were located using GPS and a GIS data set was created. The map of marked storm drains is in Appendix D. A development plan was written, program materials (i.e. volunteer training packets, flyers, posters, door hangars, and T-shirts) were developed and supplies were replenished.

The Storm Drain Marking Program was promoted extensively. County employees were encouraged to participate in the program and the response was good. Promotion of the program was part of the many AWQP promotions described in 4.7.d of this report. The Pelican Press did a newspaper article (April 2003) and two interviews were aired on the local Channel 40 television station and their Internet site (April 2003).

Permit Element: Mark storm drains with warnings messages against dumping.

Objective: Reduce polluting discharges to the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Year-round promotions. The inventory. Motivated staff.

Weaknesses: Volunteers don't always thoroughly report tasks completed.

Assessment: Raises public awareness; needs to stay cost effective.

Future: Continue the program and focus on unmarked areas near the coast.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.7.f. Illicit Discharges & Improper Disposal

Sanitary Sewer Seepage

Improvements in Sanitary Sewer Collection System - Sarasota County

Sarasota County Utilities operates the following nine wastewater treatment plants:

- Bee Ridge Water Reclamation Facility (WRF) FLA013372
- Central County WRF FLA013455
- Meadowood WRF FLA013385
- Venice Gardens WRF FLA043494
- Atlantic WRF FLA134333
- Plantation WRF FLA013365
- Proctor Road WWTF FLA013447
- South Gate AWWTP FL0032808
- Gulf Gate AWWTP FL0032816

Sanitary sewer seepage occurs from three main sources: gravity sewer lines (including manholes), sewer force mains, and lift stations. A concerted effort by Utilities to eliminate and minimize such spills is described below.

- Treatment facilities were inspected at least twice a day, during which the operator looked for evidence of leaking pipes and malfunctioning equipment. Two checklists were completed daily. The treatment facility was inspected at least once a day for the items on the pretreatment, biological nutrient reduction, chlorination equipment, and effluent checklists. The equipment running hours checklist was filled out daily, as a check on potential equipment problems.
- Most of the effluent was reused for irrigation of golf courses and residences. Most golf courses had an effluent storage pond from which irrigation water was drawn. These ponds were regulated by the DEP and SWFWMD.
- A vacuum/flush truck was used to flush gravity sewer lines. Flushing prevented the development of obstructions in the pipes that cause sewage backups and overflows.
- A SCADA telemetry system provided a radio connection between the treatment

plants and lift stations. Malfunctions were identified faster and responses were faster, resulting in fewer spills. The SCADA system installation is nearly complete.

- Sarasota County Utilities spent \$3,125,000 on lift station maintenance and rehabilitation.
- The ongoing Sanitary Sewer Evaluation Study (SSES) evaluated the integrity of gravity sewer lines and manholes, and helped prioritize replacement and repair projects. The purpose of the project was to prevent groundwater or stormwater from inflowing or infiltrating (I&I) into the collection system, but also reduced the potential for leakage during periods of low groundwater. The SSES findings resulted in the expenditure of \$760,000 for relining of gravity sewer lines and rehabilitation of manholes.
- Sarasota County Utilities spent \$1,200,000 on wastewater pipeline repair and maintenance.
- All lift stations were fenced to reduce vandalism.
- Utilities followed an in-house protocol for spill response: "Spill Response Standard Operations Procedures." Appropriate clean up, disinfection, and sampling procedures were followed.
- Treatment plant service commitments were reviewed annually after each plant reached 50% of its capacity. Treatment plants expansion was planned to prevent hydraulic overload conditions that could lead to wastewater spills or substandard effluent.
- In response to citizen and governmental concerns, effective January 28, 2003, the County no longer land applies domestic wastewater residuals. Residuals are now dewatered and disposed of in a lined landfill, significantly reducing the potential for ground water pollution. The additional cost to the County for landfill disposal in lieu of land application is \$1,000,000 per year.
- Greater participation in EPA's Capacity, Management, Operation and Maintenance (CMOM) program is planned. CMOM training has already begun.
- Sarasota County has begun a ten-year project to replace residential septic tank systems with central sewer systems. Sarasota County Utilities spent \$4,500,000 on septic tank replacements.

Improvements in Sanitary Sewer Collection System - City of Sarasota

Continued capital and maintenance funding of sanitary sewer inflow/infiltration control program.

- Cleaning and televised inspection of sewer lines.
- Slipline repair and manhole rehabilitation.
- Mainline replacements.
- Lift Station upgrades.

The private building sewers replacement pilot project was completed. 301 defective private sewers of 517 private sewers in the test area were replaced using no-dig technology. This project valued at \$1.1 million reduced extreme wet weather flow through the area lift stations by up to 40%. Given the success of the pilot, we are developing another area of 226 private sewers to be replaced.

Permit Element: Reduce sewage spills into the MS4.

Objective: Minimize the amount of wastewater entering the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Focus on collection system.

Weaknesses: Collection system improvements are expensive.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Limit Installation of New Septic Systems - Sarasota County

The Department of Health issues permits for septic systems and ensures that standards are met. AWQP reviews site and development applications (subdivision, not single family homes) and encourages installation of sanitary sewer systems instead of septic. In the past, some lots were platted for installation of septic systems and cannot now be forced to use sanitary sewer service.

Limit Installation of New Septic Systems - City of Sarasota

The City discourages installation of new septic tanks. It is uncertain if a septic system might be allowed at all. New construction is required to build pump stations and little force-mains to

reach the sanitary sewer collection system if necessary. There are some pre-existing septic systems, but the City is working to eliminate those too.

Replace Existing Septic Systems with Sanitary Sewer - Sarasota County

Sarasota County's Phillippi Creek Septic System Replacement Program began construction in 2002 and is planned to replace 13,650 septic systems in north County by the year 2010.

Replace Existing Septic Systems with Sanitary Sewer - City of Sarasota

Back in 1999, the City notified 65 properties that had existing sewer lines abutting their properties to connect. As of October 2001 all had complied. There remain 71 sites that would require relatively minor line extensions to reach, 31 that would require more extensive line extensions, 140 that have no sewer available without major construction including lift stations, and 28 with other miscellaneous issues that prevent connection. This compares with the more than 18,000 customers that we have. The City continues to look for opportunities associated with redevelopment, and/or road construction activities to provide service to those on septic systems.

Identify Areas Served by Septic Systems - City & County

Areas served by septic systems were identified in the Preliminary Report on County Water and Sewer Service in Sarasota County by Post, Buckley, Schuh, & Jernigan (1994). The Department of Health also maintains a database of addresses that were issued septic system permits. Sarasota County Geomatics has created several map layers of properties that have received permits for septic system installation or repair.

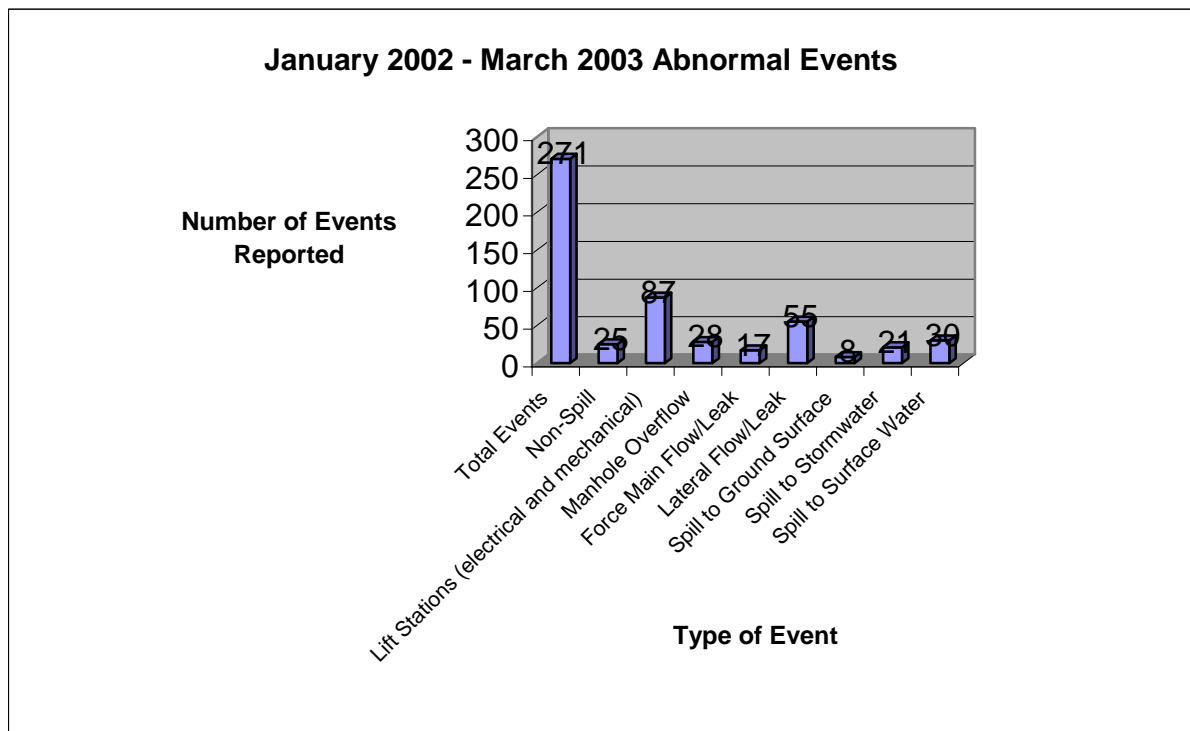
Report to Utility When Sewage Detected in Stormwater - City & County

All citizen and staff reports of discharges from sanitary sewers were reported promptly to the appropriate utility. All reports of septic system discharges were promptly reported to the Sarasota County Department of Health.

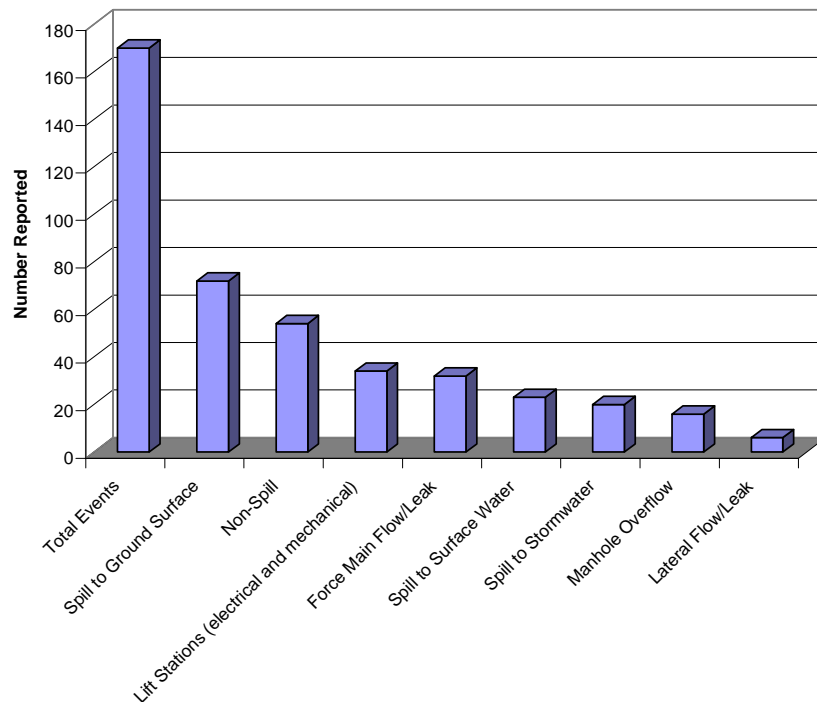
Air and Water Quality Protection personnel investigated 60 reports related to sewage; 9 related to septage; 8 related to wastewater treatment facility odor; 3 related to wastewater treatment

facilities, and 2 related to sludge.

The wastewater treatment facilities (City, County, and private) in Sarasota County reported a total of 208 abnormal events. Although 208 total abnormal events were reported to Air and Water Quality Protection, 271 abnormal events are represented in the chart. The inflated number results from situations when one reported abnormal event is represented by multiple types of spills or leaks.



2001 Wastewater Treatment Facility Abnormal Events



Report to Regulator When Septage Detected in Stormwater - City & County

All reports of septic system discharges were promptly referred to the Sarasota County Department of Health.

Permit Element: Report to authorities when sewage detected in MS4.

Objective: Reduce the amount of sewage entering the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Reporting has been conducted for a long time.

Weaknesses: Abnormal events are not always fully reported.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.8.a. High Risk Industrial Facilities

Inventory Facilities Discharging to MS4 - City and County

Sarasota County maintains and updates two inventories of facilities discharging to the MS4. One inventory is the Industry Inspections database. This database tracks NPDES industrial facilities, newly discovered potential NPDES industrial facilities, and NPDES industrial facility inspections. The second inventory is a list of NPDES industrial facilities that are either permitted (covered under the State of Florida Multi-Sector Generic Permit for Stormwater Discharges Associated with Industrial Activity) or certified (covered under a State of Florida No Exposure Certification for Exclusion from NPDES Stormwater Permitting). This second inventory is maintained by a Geographical Information System (GIS) database that links each permitted or certified facility to its associated property parcels and stormwater outfalls. Using this GIS capability, Air and Water Quality personnel are able to map this information. Mapping allows a spatial representation of each facility, the land area associated with the facility's industrial activity, the outfall to which the stormwater from that land area drains, and the MS4 or water body that receives stormwater from the facility's outfall.

The Industry Inspections database contains approximately 940 facility entries. Presently, there are approximately 59 facilities within Sarasota County that are permitted or certified by the State of Florida for stormwater discharges associated with industrial activity. Maps of permitted and certified facilities are in Appendix E. A prioritized schedule is maintained for industrial facility inspections. Thirty-two new facilities were discovered and inspected. Twenty-one of these facilities were determined to be industrial facilities. The list of new facilities is in Appendix F.

Permit Element: Maintain an inventory of dischargers.

Objective: Ensure permitted discharges stay within legal limits.

Activities: Described above.

Compliance: In compliance.

Strengths: GIS made the information more useful.

Weaknesses: The list does not include some facilities that need to obtain permit coverage (or

No Exposure Exclusion) but have not submitted the proper paperwork.

Assessment: Getting better.

Future: Continue the program.

Modifications: No permit modifications needed.

Summary of Facility Inspection Program - City and County

AWQP inspects high-risk facilities included in the high-risk facility inventory. County personnel also perform proactive inspections of high-risk facilities based on staff observations and respond to citizen complaints. From January 2002 through March 2003, AWQP inspected approximately 152 facilities; 74 were within the unincorporated County and 78 within the City of Sarasota. Inspectors verify the facility's Standard Industrial Classification Code and determine if a State of Florida Multi-Sector Generic Permit for Stormwater Discharges Associated with Industrial Activity or a No Exposure Certification for Exclusion from NPDES Stormwater Permitting is required. Pollution prevention suggestions and information on best management practices is provided. AWQP also provides assistance in the permitting process, thereby acting as a liaison between the business and the DEP.

Permit Element: Inspect facilities that have potential to contaminate the MS4.

Objective: Ensure that polluted runoff is minimized.

Activities: Described above.

Compliance: In compliance.

Strengths: Providing pollution prevention and BMP information. Acting as a liaison between the DEP and businesses. Introduction of GIS.

Weaknesses: Tracking businesses as they move. The Occupational License Database is inefficiently organized.

Assessment: Effective.

Future: Continue the program.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities
Section 4.8.b. Monitoring for High Risk Industries

Reserved

Narrative Reports for SWMP Activities

Section 4.9.a. Construction Site Runoff

Construction Planning Procedures

Summarize Review and Verification Program - Sarasota County

Site & Development Plans and Subdivision Plans submitted in accordance with the Land Development Regulations are reviewed by AWQP to ensure that BMPs for erosion control are adequately represented. Plans must include locations of erosion control equipment, equipment details, and approval stipulations. Plans are also reviewed to ensure compliance with the erosion control conditions of Developments of Regional Impact, if applicable. Approximately 20-25% of the AWQP engineer's duties involve development plan reviews and related activities.

Between January 1, 2002 and March 31, 2003, four hundred ninety two (492) plans were reviewed for the objectives mentioned above. Beginning February 1, 2003 the number of projects (several revised plans may be submitted per project) and the number of approvals is being tracked. Between February 1, 2003 and March 31, 2003, eighty plans were submitted for seventy different projects. Thirty-nine of the seventy projects were approved.

Summarize Review and Verification Program - City of Sarasota

Chapter 29.5 of Code of the City of Sarasota created the Engineering Design Criteria Manual (1989) which requires an Erosion/Sedimentation Control Plan (signed and sealed by the Engineer of Record), a permit, including a pre-construction meeting to implement erosion and sedimentation BMP's as a condition of issuance of a building permit. The process was very effective in compelling construction site operators to practice erosion and sedimentation control measures. This code requirement and process were in effect since prior to issuance of the initial NPDES MS4 permit.

Permit Element: Require erosion and sedimentation controls.

Objective: Minimize the amount of sediment entering the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: All plans clearly identify the initial erosion controls to be implemented.

Weaknesses: Field confirmation is required to ensure that the approved BMP are being installed and properly maintained.

Assessment: Effective.

Future: AWQP will attempt to identify priority sites, such as sites that are actively dewatering, for field inspections and potential sampling of off-site discharges by staff, in order to ensure compliance and minimize off-site discharges of turbid water. Provide closer coordination with SWFMD for sites that violate plan and permit conditions.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.9.b. Construction Site Runoff

Construction Inspections

Summary of Inspections, Training, and SOPs - Sarasota County

Stormwater Stop-Work Orders Issued by Land Development Services:

- 2/01/02, Tabernacle Church
- 6/12/02, Summerwood Phase 2
- 8/16/02, Barton Farms Phases 3 & 4
- 3/31/03, Publix at Palmer Ranch
- 6/27/03, Mockingbird Subdivision

All LDS inspectors are certified in stormwater management. Four attended Erosion and Sediment Control training in August 2003. There are from 225 to 250 active projects on a regular basis. About 100 projects were closed out during this permit reporting period. All sites are inspected and in compliance on a regular basis. A red tag is issued if turbid water is being discharged, and all work is stopped until the water leaving the site is acceptable. Each set of approved plans show what and where the BMPs are. With the improved inspector and contractor training, inspector confidence has increased, as has public education and the quality of water leaving the sites.

Summary of Inspections, Training, and SOPs - City of Sarasota

Chapter 29.5 of Code of the City of Sarasota creates the Engineering Design Criteria Manual (created 1989), which requires Erosion/Sedimentation Control Plan (signed and sealed by the Engineer of Record), a permit, including a pre-construction meeting to implement erosion/sedimentation BMP's as a condition of issuance of a Building Permit. This code requirement and process have been in effect since prior to the issuance of the initial NPDES MS4 permit.

Permit Element: Conduct Compliance Inspections for Construction Site Runoff.

Objective: Improve erosion control at construction sites and reduce sedimentation into the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: The process is very effective in compelling construction sites to practice erosion and sedimentation control measures.

Weaknesses: Developers are better at installing BMPs than maintaining them.

Assessment: Highly effective. Regulation of erosion control is improving.

Future: Continue programs.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.9.c. Construction Site Runoff

Education Activities

Erosion and Sedimentation Training - Sarasota County

Many employees of local governments were trained in the DEP Stormwater, Erosion, and Sedimentation Control for Inspectors classes at the Suncoast Public Works Academy at the Sarasota Vocational Technical Institute in spring of 2002. Trained municipal employees taught the class. Attendees included: 19 attended, 18 certified, 3 from Sarasota County Government, 5 from Manatee County Government, 3 from consulting engineering firms, 2 from developer firms, 1 from the City of Sarasota, 2 from the City of North Port, 1 from the City of Venice, 1 from the Sarasota County Schools, 1 resident. A class was scheduled for October 2002 but was canceled.

In spring of 2003 another class drew the following attendees: 8 Manatee County, 1 Consulting Engineer, 2 City of Bradenton Beach, 3 City of Sarasota, 2 Town of Longboat Key, 1 City of North Port, 1 Resident.

In August 2003, an Air and Water Quality Protection staff member will attend an Advanced Best Management Practices and Regulatory Updates course for construction sites.

Permit Element: Train employees.

Objective: Improve stormwater maintenance and erosion controls.

Activities: Described above and in Section 4.9.b.

Compliance: In compliance.

Strengths: Better erosion controls.

Weaknesses: None were identified.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Presentations to Construction Industry - City and County

The Suncoast Public Works Academy at the Sarasota Vocational Technical Institute offered other classes too. The DEP Stormwater, Erosion, and Sedimentation Control for Contractors class had 12 contractors attend in May 2002; a December class was canceled. On June 13, 2003, a class about Understanding the Stormwater Program in Sarasota County was taught to the following attendees: 7 students, 2 from SWFWMD, 4 from Sarasota County Government, and 1 resident; a class in January 2002 was canceled. The classes were facilitated by staff from Sarasota County and the City of Sarasota.

Permit Element: Train developers in erosion control.

Objective: Reduce erosion from construction sites.

Activities: Described above.

Compliance: In compliance.

Strengths: The design, development, and construction communities are receiving the same instruction as are the inspectors.

Weaknesses: Contractors have not shown a strong interest in attending classes.

Assessment: Feedback from attendees has been positive.

Future: Continue the existing program, offering classes twice per year.

Modifications: No permit modifications needed.

Notify Building Permit Applicants about NPDES - Sarasota County

For all projects, the following is required:

If the project area disturbs:

- One acre or greater of land or is part of a larger common plan of development that will disturb between one and five acres of land (Small Construction Activity), or
- Five acres or greater of land or is part of a larger common plan of development that will disturb five acres or greater of land (Large Construction Activity),

A completed copy of a FDEP Notice of Intent for a Generic Permit for Stormwater Discharge from Large and Small Construction Activities must be submitted to Land Development Services

prior to Construction Authorization.

Notify Building Permit Applicants about NPDES - City of Sarasota

Notification of NPDES regulations was provided to developers at the time of development review, prior to the issuance of permits.

Permit Element: Notify building permit applicants about NPDES regulations.

Objective: Reduce erosion into the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: None have been identified.

Weaknesses: None have been identified.

Assessment: Effective.

Future: Continue the existing program.

Modifications: No permit modifications needed.

Narrative Reports for SWMP Activities

Section 4.10 Additional SWMP Activities

Compliance with Effluent Limitations: Reserved.

Numeric Effluent Limitations: Reserved.

Monitoring Program Report

Section 5.1 Monitoring Objectives

The monitoring program was developed in phases. The permit required:

- Seasonal loading and event mean concentration data to be reported in the Annual Report for Year Four (Part V.A.1.);
- Investigation of organic pollutants identified in the permit application to be reported in the Annual Report for Year Three (Part V.A.2.); and
- Development of additional monitoring conditions (Part V.B.).

Additional monitoring conditions were defined in a letter from the U.S. EPA to Sarasota County Government dated March 27, 1997 and required:

- Long-term monthly ambient water quality sampling from several bays and the Myakka River starting December 31, 1996 and to be reported on Discharge Monitoring Report forms with the Annual Report for Year Five (Part V.B.1.a.);
- Long-term sampling near the North Port water plant to be reported by the City of North Port (Part V.B.1.b.);
- Long term ambient sediment, water, and biological sampling from Big Slough, Phillippi Creek, and Hudson Bayou to be reported in the Annual Report for Year Five (Part V.B.2.); and
- Two-phased investigation of metals contamination in Hudson Bayou, including sediment and stormwater samples, to be reported in the Annual Report for Year Five (Parts V.B.3. and 4.).

The objectives for these monitoring activities are two-fold. The objective of long term ambient monitoring, as well as the seasonal load and event mean concentration data, is to characterize water quality trends (improvements or degradations). The objective of the Hudson Bayou and organics investigation data is to find and eliminate sources of pollutants.

Subsequent to permit renewal, the permit co-permittees submitted a revised monitoring plan to the DEP, which was approved on July 2, 2003. There are two elements of the monitoring plan:

continuing ambient monitoring of bays and the Myakka River estuary, and in-situ metering of tributaries. This monitoring program, which is still in development, will begin in 2004. The details of the new monitoring program are in Appendix H.

Monitoring Program Report

Section 5.2 Summary Table of Completed Monitoring

Table 5.2 Completed Monitoring

Station Locations	Sample Type	Parameters	Frequency	Completed	Comments
Seasonal loading and event mean concentration (Part V.A.1.).	Water	BOD, COD, TSS, TDS, TKN, NO ₂ +NO ₃ , TP, O&G, Cd, Cr, Cu, Pb, Zn, and dissolved P.	Once.	Yes. Completed in 1998-99.	Pollutant loads increasing, as reported in report submitted on October 14, 1999, subsequent to the Annual Report for Year Four (1998).
Richardson Road / 1 station. (Part V.A.2.)	Storm Water	Bis(2-ethylhexyl)phthalate.	Once.	Yes. Completed in 1999.	No pollutant sources identified, as reported in the annual report for Permit Year Five (1999).
East Avenue / 1 station. (Part V.A.2.)	Storm Water	3,4 benzoofluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, and 4,4'-DDE.	Once.	Yes. Completed in 1999.	No pollutant sources identified, as reported in the annual report for Permit Year Five (1999).
Several bays and Myakka River / 40 stations. (Part V.B.1.a.)	Water	Temperature, pH, DO, salinity, specific conductance, BOD, color, turbidity, TSS, dissolved NO ₂ , dissolved NO ₃ , NO ₂ +NO ₃ -N, dissolved and total ammonia, dissolved inorganic nitrogen, TKN, TN, orthophosphate, TP, chlorophyll, and secchi depth.	Ongoing Monthly.	Yes. Completed from 1995 to present.	Minor modifications in 2001: Early morning meter readings discontinued, but sampling expanded to include Big Sarasota Pass and northern Sarasota Bay. Descriptive charts in Appendix I. All data available on request.
Several bays and Myakka River / 40 stations. (Part V.B.1.a.)	Water	In-situ: water temperature, pH, dissolved oxygen, salinity, and specific conductance.	Ongoing. One early morning per month.	Partial. Completed from 1995 to 2001.	Early morning meter readings were discontinued in 2001, but were replaced by expanded coverage in Sarasota Bay and Big Sarasota Pass. Midday meter readings were continued. Descriptive charts in Appendix I. All data available on request.
Several bays and Myakka River / 40 stations. (Part V.B.1.a.)	Water	Hydrolabs measure continuous 24-hour in-situ: water temperature, pH, dissolved oxygen, salinity, and specific conductance.	Ongoing. Two per month.	Yes. Completed from 1995 to present.	All data available on request.
Phillippi Creek, Hudson Bayou, and Big Slough / 6 stations. (Part V.B.2.)	Water	COD, BOD, NO ₂ +NO ₃ -N, TKN, total and dissolved P, TDS, TSS, oil & grease, cadmium, chromium, copper, lead, zinc, temperature, pH, DO and specific conductance.	Ongoing. Twice annually in wet season and dry season.	Yes. Continued through 2003.	Discussion in Section 5.3 and descriptive charts in Appendix J. All data available on request.
Phillippi Creek, Hudson Bayou, and Big Slough / 6 stations. (Part V.B.2.)	Biological	Analysis of Biological Community.	Ongoing. Twice annually in wet season and dry season.	Yes. Continued through 2003.	Discussion in Section 5.3 and descriptive charts in Appendix K. All data is available on request.
Phillippi Creek, Hudson Bayou, and Big Slough / 6 stations. (Part V.B.2.)	Sediment	Particle size, aluminum, cadmium, chromium, copper, lead, zinc, TN, TP, and TOC.	Ongoing. Annually in December.	Yes. Continued through 2003.	Discussion in Section 5.3 and descriptive charts in Appendix L. All data is available on request.
Hudson Bayou / 12 Stations. (Part V.B.3.)	Sediment	Grain size, aluminum, lead, copper, zinc, chromium, total nitrogen, total phosphorus, and total organic carbon.	One time.	Yes. Completed in 1999.	Very elevated levels of lead contaminated sediments found throughout Hudson Bayou. Data was reported in the annual report for Permit Year Five (1999).
Hudson Bayou / 5 stations. (Parts V.B.4.)	Storm Water	Cadmium, lead, copper, zinc, and chromium.	Four times.	Yes. Completed in 1999 and 2000.	Metals found in stormwater, but not greatly elevated, and no point or area sources indicated. The data was provided in the Annual Report for Year Five (1999).

Monitoring Program Report

Section 5.3 Monitoring Conclusions

V.A.1. Seasonal Loading and Event Mean Concentration

Monitoring of event mean concentrations (EMCs) was required for the NPDES MS4 permit application in 1993. This local EMC data was input into a pollutant-loading model to submit seasonal loading estimates that were also required for the permit application. Other model inputs included land use, rainfall, baseflow, and runoff coefficients. In 1999, the model was updated and run to produce seasonal loading estimates required by the permit. The 1999 report concluded that total pollutant loads increased slightly because of increased urbanization, despite the addition of stormwater control structures. EMCs were found to be approximately the same in both seasons. For every basin, the wet season had a higher pollutant load than the dry season, which was attributed to more rainfall.

V.A.2. Stormwater Investigation on Richardson Road and East Avenue

Low concentrations of common pollutants were detected during the permit application process. The sub-basins were investigated and resampled, but no significant pollution sources were found. It was concluded that stormwater inherently contains low levels of pollutants, in roughly equivalent amounts as detected during the permit application process.

V.B.1.a. Ambient Water Quality of Bays and River

This monitoring was conducted since January 1995 in most of the coastal estuaries and the southern portion of the Myakka River. The program divided the water bodies into segments with five sub-divisions (called stations) in each. Every station was sampled once per month. Appendix I contains a map and charts of the data.

Two kinds of charts are presented for significant parameters. The annual fluctuations chart shows all of the data for each water body averaged for each month over the duration of the monitoring program. These charts are very descriptive of seasonal variations and provide a

visual ranking of the various bays. The Myakka River is a very interesting contrast to the coastal bays. The second type of chart simply plots significant parameter concentrations against time for each water body over the duration of the program. The trend lines are not statistically significant; they are just linear depictions of the bulky data. Percentile values for Florida estuaries, streams, and blackwater streams, provided by the DEP Bureau of Watershed Management, are another bit of information that helps to provide context to the data.

This data set is truly powerful and can be rearranged to answer many questions. Lately, it has shown great value in the Group 2 Charlotte Harbor Verified List process conducted by DEP and local stakeholders. Some generalities:

- Lemon Bay often ranks poorly against the other bays, with more BOD, more chlorophyll, lower light transmissivity, more color, less dissolved oxygen, and more nutrients, especially in late summer. Little Sarasota Bay also ranks poorly. Both bays have the worst circulation (no passes) and greater freshwater influence. By contrast, Sarasota Bay almost always has the best water quality, is saltiest, and has more open water and passes to the Gulf of Mexico.
- The Myakka River has very low dissolved oxygen concentrations during summer when nitrogen levels are high, but does not show a coincident rise in biochemical oxygen demand. The Myakka is an interesting system with a tremendous amount of preserved land in the watershed.
- There appears to be an increase in salinity in all water bodies. The explanation is elusive.
- Our water bodies are too shallow for secchi depth to be a powerful measurement of water clarity, at least using the stations we have. It is common for the secchi depth to be greater than water depth.
- None of the water bodies have elevated levels of nitrogen as compared to statewide percentile values.
- Total phosphorus is very high in this area, especially in the Myakka River and Lemon Bay. It is believed to be caused by naturally occurring ores and for that

reason is a relatively insignificant indicator of water quality, because it is probably never a limiting nutrient that could cause aquatic plant abundance. Variations show little seasonality. TP appears to be increasing.

- Total suspended solids is a very different parameter. The bays are similar to each other and show little seasonality. Sarasota Bay is not distinctly better and may be slightly worse than the other bays. The Myakka shows low TSS during summer the wetlands are draining into the river and color is darkest. Apparently the color is not caused by detritus and is entirely dissolved tannins.

V.B.2. Ambient Water Quality of MS4

Ambient water quality monitoring has been conducted from 1998 to the present at six locations, in three watersheds. Two locations each from Hudson Bayou, Phillippi Creek, and Hudson Bayou were sampled during wet and dry seasons. Hudson Bayou is a marine waterbody that receives stormwater directly from the urban City of Sarasota and some suburban areas. Much of the stormwater flows directly to the bayou, without any detention, infiltration or treatment. Phillippi Creek is a freshwater stream, but has tidal influence high into the flat watershed (above Bahia Vista). It drains a large urban and suburban area containing a mix of directly connected impervious surfaces (DCIA) and areas served by BMPs. Septic systems are known to have a polluting influence in Phillippi Creek. Myakkahatchee Creek is a drinking water source for the City of North Port. The City is extensively ditched, is rural and suburban, and has rapid development in progress. Myakkahatchee Creek has a natural appearance.

The following field data sheets were completed for each site:

- Physical/Chemical Characterization Field Sheet (DEP Form FD 9000-3);
- Stream/River Habitat Sketch Sheet (DEP Form 9000-4);
- Stream/River Habitat Assessment Field Sheet (DEP Form 9000-5); and
- Chain-of Custody Record.

V.B.2. Ambient Water Quality of MS4

Monitoring concentrations were compared to two standards: Florida's Surface Water Quality Standards, Chapter 62-302, F.A.C., and median values for Florida streams published in the DEP 2000 Florida Water Quality Assessment Report (305b). A summary of the data is presented in Appendix J. The data shows the following:

- The water quality differences between wet and dry seasons are not profound.
- In a majority of the samples, the contract laboratory determined that the lead and zinc concentrations were greater in the dissolved (filtered) samples than in the total metals samples. The samples were visually inspected to verify that the samples were correctly labeled and analyzed by both ICP and graphite furnace. The field filtering process will be evaluated.
- In several samples, the dissolved copper values were slightly higher than the same samples for total copper. This could suggest that the copper present is in the dissolved form.
- During the August 2002 sampling event, four stations (Phillippi Creek at Bahia Vista, Myakkahatchee Creek at the water plant, and both Hudson Bayou sites showed low levels of field measured dissolved oxygen.
- The Phillippi Creek at Bahia Vista site was dredged in December 2002 from bank to bank and the aquatic vegetation was removed along the shoreline.

V.B.2. Ambient Biological Quality of MS4

Since 1998, dip net samples were taken from the freshwater locations in Myakkahatchee Creek and Phillippi Creek. Petite ponar samples were taken of bottom dwellers in the Hudson Bayou estuary. Benthic macroinvertebrate samples were analyzed to provide a taxonomic identification and a Stream Condition Index (SCI) value was determined for the sites in Phillippi Creek and Myakkahatchee Creek. The Hudson Bayou sites are estuarine and are not suitable sites for conducting a SCI evaluation. In August 2002 during the wet season, both Hudson Bayou sites showed an extremely low level of benthic macroinvertebrate abundance. This could have been a

result of the changes in salinity from recent rainfall events. Also during this sampling event, no organisms were found in the twenty dip net sweeps at the Myakkahatchee Creek near the City of North Port water plant site. During the dry season sampling, the benthic macroinvertebrate abundances increased at the Myakkahatchee Creek near the water plant site and the Hudson Bayou sites compared to the wet season. Summary tables of the data are presented in Appendix K.

V.B.2. Ambient Sediment Quality of MS4

The metals present in the sediment samples have shown high variability, even from replicate samples. Nevertheless, the data clearly shows Hudson Bayou to have the highest concentrations of the three watersheds. Hudson Bayou is an urbanized watershed with a high level of directly connected impervious surfaces and few stormwater BMPs in place. The Phillippi Creek at Bahia Vista site also shows elevated levels. Charts are in Appendix L.

V.B.3. Hudson Bayou Sediment Quality and V.B.4. Hudson Bayou Stormwater Quality

Monitoring of Hudson Bayou was very informative, as described in the Annual Report for Year Five (1999). The Bayou contains lead contaminated sediments, but does not currently receive correspondingly high amounts of lead from stormwater or other discharges. Concentrations of lead in the water column were intermittently elevated, probably related to weather conditions that stir up contaminated sediments. An interagency investigation of the situation has expanded far beyond the permit required monitoring. No source of the contamination was identified.

Monitoring Program Report

Section 5.4 Monitoring Compliance

All monitoring was completed in full compliance with permit conditions.

Monitoring Program Report

Section 5.5 Monitoring Program Revisions

No revisions to the monitoring program are proposed as part of this annual report.

Monitoring Program Report

Section 5.6 Inventory of Major Outfalls

The complete outfall inventory is in Appendix M.

Permit Element: Maintain an inventory of major stormwater outfalls.

Objective: Improve knowledge of the MS4.

Activities: Described above.

Compliance: In compliance.

Strengths: Useful to AWQP investigations of facilities.

Weaknesses: Not yet in GIS format.

Assessment: Somewhat effective.

Future: Good GIS maps of the entire County within a year or so.

Modifications: No permit modifications needed.

Permit Modifications

Section 6.1 SWMP Modifications

Transfer of Ownership - Sarasota County

North Port has annexed large tracts of land that are described by maps in Appendix N. The following properties were annexed into the City of Venice from Sarasota County:

0412-07-0001	0412-07-0002	0412-07-0003
0407-10-0009	0414-04-0004	0387-03-0001
0387-07-0001	0387-07-0002	0430-12-0032
0177-02-0041	0178-16-0015	0400-12-0010
0178-16-0016	0175-06-0016	0175-06-0037
0175-06-0038	0430-12-0037	0430-13-0004
0400-05-0001	0400-05-0003	0412-07-0001
0412-07-0002	0412-07-0003	0414-04-0005
0414-04-0004	0178-16-0008	0177-08-0037
0389-00-1000	0430-13-0017	0389-00-2002
0405-13-0074	0405-13-0075	0406-04-0048
0406-04-0049	0407-06-0002	0178-16-0027
0429-15-0019	0177-02-0030	0178-16-0023
0390-00-2020		

Transfer of Ownership - City of Sarasota

None.

Permit Modifications

Section 6.2 Monitoring Program Modifications

The monthly ambient water quality sampling program for the bays and river was modified in 2003. An estuarine area of bays, canals, and tidal creeks located near the City of Venice was added to the program.

A new monitoring program was approved by DEP subsequent to MS4 permit renewal. The County will discontinue the unproductive monitoring in the six locations in Myakkahatchee Creek, Hudson Bayou, and Phillippi Creek. Four dataloggers will be purchased and deployed in tributaries throughout the County to measure daily and seasonal patterns of water quality conditions. The DEP letter of approval for the new monitoring plan is in Appendix H.

Permit Modifications

Section 6.3 Other Permit Modifications

No other permit modifications are suggested as part of this annual report.

Section 7 Fiscal Analysis

These figures are based on the best available information from the Sarasota County and the City of Sarasota staff who were responsible for implementing and reporting on these elements.

Table 7.1. Financial Survey:

Program Activity	Previous Year	Current Year	Future Year	Funding Source/Comments
1. Structural Controls Inspection and Maintenance - City & County	\$2,536,492	\$3,102,880	\$3,102,880	Stormwater Fees
1. Structural Controls Inspection and Maintenance - Private Stormwater Systems - City and County	Not Available as a Line Item Cost			Stormwater Service Assessments
2. Development Planning Procedures - Basin Master Plans - City and County	\$ 1,598,000	\$ 1,114,000	\$ 1,114,000	Stormwater Service Assessments
3. Roadway Maintenance - Litter Control - City and County	Not Available	\$177,085	\$177,000	Keep Sarasota Beautiful
3. Roadway Maintenance - Litter Control - County	\$244,009	\$42,283	\$57,656	Transportation General Funds & Stormwater Fees
3. Roadway Maintenance - Litter Control - City	\$142, 576	\$146,986	\$151,395	Landscaping & Solid Waste Budgets
3. Roadway Maintenance - Street Sweeping - County	\$175,994	\$209,372	\$209,372	General Funds
3. Roadway Maintenance - Street Sweeping - City	\$ 408,718	\$ 386,886	\$ 421,583	Gas Tax
3. Roadway Maintenance - Maintain Roadside Stormwater Structures - City & County	\$48,310	\$610,947	\$610,947	Stormwater Fees
3. Roadway Maintenance - Road Repair & Facility BMPs - County	Road Program: \$72,370	Road Program: \$141,894	Road Program: \$165,282	Infrastructure surtax, road impact fees, telecommunications tax, ELMS gas tax, ad valorem tax, developer's contributions, regional roadway funds, grants.
3. Roadway Maintenance - Road Repair & Facility BMPs - City	\$7,200	\$13,650	\$11,000	Streets Operating Budget
4. Flood Management - City & County	\$ 5,568,000	\$ 5,756,000	\$ 5,055,000	Stormwater Capital Improvement Assessments

Program Activity	Previous Year	Current Year	Future Year	Funding Source/Comments
5. Municipal Facilities - County	Solid Waste: \$447,069	Solid Waste: \$358,759	Solid Waste: \$404,058	Tipping Fees, Interest Earnings
5. Municipal Facilities - City	POTW: \$3,600 Solid Waste: \$14,400	POTW: \$3,600 Solid Waste: \$22,760	POTW: \$3,600 Solid Waste: \$18,200	Utility User Fees
6. Pesticides, Herbicides & Fertilizers - Public Education - City & County	Coop. Ext: \$78,376 Mosquito: \$15,100	Coop. Ext: \$107,228 Mosquito: \$16,200	Coop. Ext: \$110,000 Mosquito: \$17,000	University of Florida IFAS, Sarasota County Utilities & Stormwater, DACS Grant, Ad Valorem taxes.
6. Pesticides, Herbicides & Fertilizers - Public Education - City	\$2800	\$2932	\$3000	General Fund
6. Pesticides, Herbicides & Fertilizers - Certification and BMPs - County	Extension: \$1,050 Mosquito: \$25,650 Drainage: \$1,320 Forestry: \$500	Extension: \$1,897 Mosquito: \$26,600 Drainage: \$2,200 Forestry: \$500	Extension: \$2,000 Mosquito: \$27,800 Drainage: \$3,000 Forestry: \$700	University of Florida IFAS, Stormwater Fees, Transportation Trust Fund, DACS Grant, Ad Valorem taxes.
6. Pesticides, Herbicides & Fertilizers - Certification and BMPs - City	\$11,856 \$2,000	\$33,395 \$2,525	\$12,000 \$2,500	General Fund
7.a. Illicit Discharges & Improper Disposal - Inspections - City & County	\$463,057	\$465,000	\$466,178	Unincorporated Area Services Funds, Surcharge on Solid Waste Tipping Fees.
7.b. Illicit Discharges & Improper Disposal - Field Screening - City & County	\$0	\$0	\$0	Not Funded
7.c. Illicit Discharges & Disposal: Spill Response - City & County	\$910,000	\$1,013,304	\$1,013,304	Fire Department General Funds
7.d. Illicit Discharges & Improper Disposal - Public Notification - City & County	Not Available as a Line Item Cost			Included in Cost of Inspections, Ordinances & Enforcement
7.e. Illicit Discharges & Improper Disposal - Oil & Household Hazardous Waste - City & County	\$ 158,572	\$ 339,761	\$ 231,109	Landfill Fee Surcharge
7.e. Illicit Discharges & Improper Disposal - Storm Drain Marking - City & County	Not Available	\$1000	\$1000	Stormwater Service Assessments
7.f. Illicit Discharges & Improper Disposal - Sanitary Sewer Seepage - County	\$3,600,000	\$10,585,000	\$3,000,000	Utilities Fees
7.f. Illicit Discharges & Improper Disposal - Sanitary Sewer Seepage - City	O&M: \$1,732,518 CIP: \$2,269,347	O&M: \$1,832,569 CIP: \$4,146,847	O&M: \$1,907,297 CIP: \$2,451,258	Utility User Fees
8a. High Risk Industrial Facility Inspection - City & County	Not Available as a Line Item Cost			Included in Cost of Inspections, Ordinances & Enforcement
8.b. High Risk Industrial Facility Inspection - Monitoring - City & County	Not Funded			Not Funded

Program Activity	Previous Year	Current Year	Future Year	Funding Source/Comments
9.a. Construction Site Runoff - Construction Planning Procedures - County	Not Available as a Line Item Cost			Unincorporated Area Services Fund. Site & Development and Subdivision Plan review fees
9.a. Construction Site Runoff - Construction Planning Procedures - City	Not Available as a Line Item Cost			
9.b. Construction Site Runoff - Inspections - County	Not Available as a Line Item Cost			
9.b. Construction Site Runoff - Inspections - City	\$938	\$4611	\$5000	General Fund
9.c. Construction Site Runoff - Education Activities - City & County	Drainage: \$2,500	Drainage: \$12,589	Drainage: \$8,000	Stormwater Service Assessments and Suncoast Public Works Academy registration fees.
V.A.1. Seasonal Loadings and Event Mean Concentrations - City & County	\$0	\$0	\$0	Stormwater Fees
V.A.2. Investigation of Organic Pollutants - City & County	\$0	\$0	\$0	Stormwater Fees
V.B.1. Existing Monthly Bay and Stream Runs - City & County	\$131,232	\$131,232	\$154,239	Unincorporated Area Services Funds
V.B.2. Monitoring in Big Slough, Hudson Bayou & Phillippi Creek Basins - City & County	\$31,964	\$31,964	\$27,516	Stormwater Fees
V.B.3. Heavy Metals Monitoring Program in Hudson Bayou, Phase I - City & County	\$0	\$0	\$0	Stormwater Fees
V.B.4. Heavy Metals Monitoring in Hudson Bayou, Phase II - City & County	\$30,000	\$0	\$0	Stormwater Fees
NPDES MS4 Permit Fees - City and County	\$11,628	\$11,628	\$11,628	Stormwater Fees
Totals	\$20,747,146	\$30,856,084	\$20,956,502	City and County



SARASOTA COUNTY PUBLIC WORKS

Stormwater

Phone 941-861-0910

Fax 941-861-0986

Apr/May/Jun 2003

Alligator

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Scenic Drive	Structure Flooding	(\$350,000)	5%		(TBA)		4

Catfish

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Catfish Creek	Structure Flooding	(\$3,600,000)			(TBA)	(TBA)	3

Coastal

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Albee Road	Structure Flooding	(\$390,000)	98%		(Feb 03)	(Feb 05)	4
Chapel Drive *	Structure Flooding	(\$150,000)	30%	TBD	(TBA)	(TBA)	1, 13
S Manasota Beach Rd	Structure Flooding	(\$232,000)	100%		3 Feb 03	(Aug 03)	12, 19
St. Armand's	Structure Flooding	(\$4,700,000)	30%		(May 04)	(Jun 04)	4

Forked Creek

Fox

Gottfried

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
North Englewood Lateral	Structure Flooding	(\$547,144)	100%		(Jul 03)	(Apr 04)	

Hudson Bayou

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Arlington / Euclid Canal *	Structure and Street Flooding	(\$1,200,000)	90%	TBD	(Aug 03)	(Sep 03)	1, 4
Laurel Ave. @ Hillview	Structure Flooding	(\$500,000)			(TBA)	(TBA)	3
Osprey-Oak-Ohio	Structure Flooding	(\$200,000)			(TBA)	(TBA)	3
Pelleau Drive	Structure Flooding	(\$138,000)			(TBA)	(TBA)	3
School Destitution/School By-Pass *	Structure Flooding	(\$950,000)	60%		(TBA)	(TBA)	1, 4, 14

Matheny Creek

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Clark Road	Structure Flooding	(\$3,327,651)	100%	DeJonge 42%	2 Dec 02	(Feb 04)	6
Lower Denham	Structure Flooding	(\$2,000,000)	100%	TBD	(Mar 03)	(June 04)	4
Siesta Heights	Structure Flooding	(\$537,000)	90%		(TBA)	(TBA)	8
Williamsburg Branch	Structure Flooding	\$499,958	100%	DeJonge	11 Jun 01	2 Sep 03	2, 11

SARASOTA COUNTY CONSTRUCTION MANAGEMENT REPORT

Phillippi Creek

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Bahia Vista/Lockwood Ridge Floodplain Reclamation	Structure Flooding	\$5,236,726	100%	Russell Engineeri	23 Oct 01	(Dec 02)	6
Branch BA Regional	Structure Flooding	(\$722,000)	100%		(TBA)	(TBA)	13
Celery Fields Phase 3a	Structure Flooding	(\$902,000)	90%	Kimmins	(TBA)	(TBA)	10
Celery Fields Phase 3b	Structure Flooding		100%		(TBA)	(TBA)	3
Oakhurst	Street Flooding	\$167,216	100%	Shirley	22 May 00	(Feb 02)	6
Proctor Rd/Greymoss Drainage	Street Flooding	(\$730,000)	45%		(TBA)	(TBA)	13

South Creek

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
South Creek Restoration	Structure Flooding	(\$400,000)	28%		(TBA)	(TBA)	13

Woodmere

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Northern Branch	Structure Flooding	(\$1,151,139)	100%		(Jul 03)	(Nov 04)	

Other Projects

ProjectName	LOS Deficiency	(Est)/Low	Eng/D%	KTR/C%	(Plan)Adv	(Plan)Complete	Comments
Baywood		\$132,796	100%	Shirley 100%	22 May 00	(Feb 02)	2
Siesta Drive (FDOT) *			90%		(TBA)	(TBA)	8-11

AdICPR Model	Watershed	BCC Approval	Annual Update
Myakka	Myakka	FY 03	FY03
Sarasota Bay	Braden River	FY 04	FY03
Sarasota Bay	Whitaker	FY 03	FY03

SARASOTA COUNTY CONSTRUCTION MANAGEMENT REPORT

Specialized Maintenance Projects does not include routine maintenance activities (ditch cleaning, mowing, short term (1-5 days) projects)

Location	Project	(Est)Cost	StartDate	ComplDate	Comments
Englewood	Liesl Lake Weir	\$0	Jul 03	Jul 03	Weir modification
Datura Road Seminole and Baffi	Datura Canal Improvements (28	\$100,000	April 2003		Bank restoration and revetment
Gleason Avenue	Gleason Avenue Outfall Grand	\$100,000	Jun 04	Dec 04	Coordinate with bridge replacement Jun 0
Harmony Drive	Harmony Drive Water Quality I	\$0			
Ridgewood Street	Ridgewood Water Quality Impro	\$0			
Red Rock Lane	Red Rock Lane Water Quality I	\$0			
Cherokee Place	Cherokee Place Water Quality I	\$56,500	TBA		Grant 319- BMPs
Bay Road	Bay Road Water Quality Improv	\$56,500	TBA	TBA	Grant 319- BMPs
Kings Gate	Cow Pen Slough Structure Reno	\$25,000	TBA		
Bee Ridge Landfill Gator Creek	Cow Pen Slough Erosion Improv	\$0	Aug 2003		Bank restoration and revetment
Manasota Beach Road	Manasota Beach Road Outfall	\$0	2003 May	August 2003	struct outfall to intracoastal scrub jay se
Englewood	Elsie Quirk Library	\$0	July 2003		
Fruitville Road to Seminole RR	Armory Pipes	\$0	May 2003		
Jefferson Street at Wood Street	Jefferson Street at Wood Street	\$0	TBA	TBA	Design enlarge pipe to Hudson Bayou
Center Rd & Sawgrass	FDEP soil testing	\$0	TBA		ongoing coordination with DEP
Delft Rd	Delft Road Drainage Improve	\$0	Apr 03	July 2003	Restore outfall to canal/septic
Huntington Ave	Huntington Ave Drainage Impro	\$0	2003 Mar 2	Mar 2003	Slip Lining
Seaview Drive	Seaview Drive Drainage Improv	\$85,000	Apr-02	May 02	culvert replacement
Nassau Street @ Redbug Slough	Nassau Street Culvert Replacem	\$80,000	May 2003		Permitting - SWFWMD
School Ave and School Ave R/W	School Avenue Culvert Replace	\$0	Aug 2003		
Canal 6-138	Canal 6-138	\$0	May 2003		Canal bank restoration narrow canal
Bahia Vista Street	Bahia Vista MH Park	\$0	July 2003		Bank removal and canal enlargement
Pinecraft Park	Pinecraft Park Drainage Improv	\$200,000	March 2003		excavate slope part of Levee Project
US 41 and Rubens	Sorrento East Drainage Improve	\$0	TBA	TBA	Upgrade/redesign pipes for LOS concern
MLK @ Canal 3-7	MLK Culvert Replacement	\$0	TBA		Replace failing metal culvert
23rd St @ Euclid Ave	23rd Street Drainage Improve	\$0	TBA		Permitting
Dennison Dr @ SR 776	Dennison Drive/ Venisota Road	\$0	TBA		Restore historic outfall to SR 776

Comments

#	Comment
1	*Located partially or entirely in the City of Sarasota.
2	Construction complete.
3	Design contract pending
4	Design in progress
6	In construction.
8	Project delayed pending investigation of other funding.
10	Project delayed pending Phase 3b study results.
11	Project management by City of Sarasota.
12	Project to be constructed in-house
13	Project to be deleted from CIP pending Board approval
14	Proj. design included in Arlington/Euclid Proj.
19	Project delayed due to utility conflicts.

Gulf of Mexico

BUSINESS DISTRICT BASIN

HUDSON BAYOU

MATHENY CREEK

ELLIGRAN BAYOU

HOLIDAY BAYOU

CLOWER CREEK

FRUITVILLE

PHILLIPI CREEK

BEE RIDGE

CLARK RD

SOUTH CREEK

NORTH CREEK

FOX CREEK

COW PEN SLOUGH

LAUREL CREEK

CURRY CREEK

HATCHETT CREEK

ALLIGATOR CREEK

WOODMERE

FORKED CREEK

COTTFRID CREEK

WINGER CREEK



MYAKKA RIVER

NORTH RIVER RD

U.S. 41

(S.R.76)

Alligator Creek

1 Briarwood Ditch

Cattfish Creek

17 Cattfish

Coastal

2 Chapel Drive

3 Albee Road

4 N. Manasota Amended

5 Pine Harrier / Landings

6 S. Manasota Beach Road

23 St. Armands

Forked Creek

7 Gulf View Estates

Gottfried Creek

8 N. Englewood Lateral

9 S. River Road Improvements

Hudson Bayou

11 Arlington Canal Bypass

12 Little Five Points

Ohio Oak Osprey

13 Arlington / Euclid Canal Improvements

14 School Desiltation

Matheny Creek

15 Breakwater Branch

16 Clark Road

18 Lower Denham Acres

19 Mohawk Lake

20 Siesta Heights

21 Williamsburg Branch

Phillippi Creek

24 Branch BA Regional Facility

25 Celery Fields

27 Hyde Park

29 Bahia / Vista Lockwood Ridge

Floodplain Reclamation Project

30 Main B Project

31 Oakhurst Condo

33 Proctor Road / Grey Moss

34 Redbug Slough

36 Sunnyside Lane

South Creek

37 South Creek Restoration

Whitaker Bayou

Woodmere

40 Northern Branch

Gulf of Mexico

UNIVERSITY PKWY

BRADEN RIVER

I-75

I-75

I-75

I-75

I-75

I-75

I-75

ORDINANCE NO. 2002-067

AN ORDINANCE OF SARASOTA COUNTY, FLORIDA, RELATING TO THE CONTROL AND REGULATION OF WATER POLLUTION THROUGHOUT SARASOTA COUNTY, INCLUDING THOSE AREAS OF THE COUNTY LYING WITHIN THE BOUNDARIES OF MUNICIPALITIES, TOWNS, AND CITIES; AMENDING ORDINANCE NO. 96-020, AS AMENDED; AS CODIFIED IN SECTIONS 54-181 THROUGH 54-193 OF THE SARASOTA COUNTY CODE; AMENDING SECTION 54-181 RELATING TO ADDITIONAL FINDINGS OF FACT; AMENDING SECTION 54-183 PROVIDING FOR ADDITIONAL GENERAL DEFINITIONS; DELETING SECTION 54-184(e); DELETING SECTION 54-187(f); CREATING A NEW SECTION 54-188 RELATING TO LAND SPREADING OF BIOSOLIDS TO INCLUDE 54-188(a) PROVIDING FOR APPLICABILITY; 54-188(b) PROVIDING FOR PROHIBITED ACTS; 54-188(c) PROVIDING FOR A LAND SPREADING SITE PERMIT; 54-188(d) PROVIDING FOR LAND SPREADING SITE REQUIREMENTS; 54-188(e) PROVIDING FOR A BIOSOLIDS HAULERS PERMIT; 54-188(f) EXEMPTIONS; 54-188(g) AUTHORITY TO ORDER CESSATION OF OPERATIONS; 54-188(h) REVIEW OF DECISIONS OF THE COUNTY; DELETING SECTION 54-193; RENUMBERING ORIGINAL SECTION NUMBERS 54-188 THROUGH 54-193 TO BE SECTION NUMBERS 54-189 THROUGH 54-193; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA:

SECTION 1. This Ordinance amends Ordinance No. 96-020, as amended, as codified in Sections 54-181 through 54-193 of the Sarasota County Code.

SECTION 2. Section No. 54-181 of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-181. Findings of fact and declaration of policy.

(a) Laws of Fla. ch. 71-913 authorizes the Board of County Commissioners ("the Board"), in order to protect the public health, safety, and welfare of the citizens of Sarasota County, to promulgate and adopt, by County ordinance, an air and water pollution code; provides that any County ordinance adopted pursuant to that act shall be applicable and enforceable throughout the entire area of Sarasota County; and prohibits the municipalities, towns, and cities located within

Sarasota County from adopting a city, town, or municipal ordinance in conflict with that act, or any County ordinance adopted pursuant to the provisions of that act.

(b) Laws of Fla. ch. 71-913 continues in force and effect under the provisions of Section 3.1 of the Sarasota Home Rule Charter as it relates to the municipalities, towns and cities located within Sarasota County as well as to Sarasota County and permits the County government to combine powers with other governmental entities.

(c) F.S. § 403.182 authorizes each County to establish and administer a delegated local pollution control program if it complies with the Florida Air and Water Pollution Control Act, being F.S. ch. 403, and provides, among other things, that all local pollution control programs must provide by ordinance for requirements compatible with, or stricter than, those imposed by that act and regulations issued thereunder.

(d) It is hereby determined that uniform regulation and control of water pollution throughout the entire area of Sarasota County are required to protect the public health, safety, and welfare of the citizens of Sarasota County, and this article is enacted pursuant to the authority granted to the County and the Board under F.S. §§ 125.01 and 403.182, Laws of Fla. ch. 71-913, and the Sarasota County Home Rule Charter.

(e) It is declared to be the public policy of Sarasota County to conserve the waters of this County and to protect, maintain, and improve the quality thereof for public water supplies, for the propagation of wildlife, fish, and other aquatic life, and for domestic, agricultural, recreational, and other beneficial uses, and to provide that no wastes be discharged into any waters within this County without first being given such degree of treatment as meets the requirements of this article and/or other such acts or ordinances of this State or County.

(f) It is hereby declared and determined that the prevention, abatement, and control of the pollution of the waters of this County are affected with the public interest and the provisions of this article are enacted for the purpose of meeting the responsibility of local and County government to protect the public health, safety, and welfare of the citizens of this County.

(g) The Board of County Commissioners of Sarasota County, Florida, hereby finds and declares that control, regulation and abatement of the activities that are causing or may cause pollution of the water resources in this County, and that are or may be detrimental to human, animal, aquatic, or plant life, or to property, or unreasonably interfere with the comfortable enjoyment of life or property, may be stricter and more stringent than State rules to ensure conservation of natural resources, to ensure continued safe environment, to ensure purity of water, to ensure domestic water supplies, to ensure protection and preservation of the public health, safety, welfare, and well-being, and to ensure and provide for recreational and wildlife needs as the population increases and the economy expands.

(h) It is the purpose of this article to control the pollution of water in the streams, bays, lakes, estuaries, gulf, or underground waters, and to safeguard the peace, health, safety, and welfare of human, animal, marine, and plant life within the boundaries of Sarasota County against water

pollution caused by or resulting from any toxic, poisonous, or noxious substances, or from raw or inadequately treated sewage, or any combination thereof.

(i) It is hereby found and declared that this article may provide for stricter, more extensive, and more stringent regulation of water pollution and the control of same than is provided and required under the provisions of F.S. ch. 403 and the regulations promulgated and adopted thereunder as administered by the Department of Environmental Protection (DEP) of the State of Florida.

(j) Policy 1.4.1 of Chapter 4 of Apoxsee, the Revised and Updated Sarasota County Comprehensive Plan, requires that "a wastewater treatment inspection/compliance monitoring program shall be established for each wastewater treatment facility which mandates on-site inspection/compliance monitoring at least 12 times annually."

(k) The State of Florida DEP, formerly the Department of Environmental Regulation (DER), entered into a general operating agreement with the Sarasota County Board of County Commissioners on August 24, 1989, to delineate each agency's responsibility and authority concerning environmental programs and activities.

(l) The general operating agreement provides that delegation of certain permitting, compliance and enforcement activities from DEP to Sarasota County Air and Water Quality Protection be set forth in a specific operating agreement (SOA).

(m) The DEP entered into a Domestic Wastewater Specific Operating Agreement (SOA) with the Sarasota County Board of County Commissioners on November 5, 1997.

(n) The DEP requires Sarasota County to adopt certain provisions of F.S. ch. 120, and to ensure that State law and the DEP's regulations concerning wastewater treatment facilities are specifically identified and addressed by adopting the DEP's regulations and State statutes by reference or adopting provisions that are at least as or more stringent than the DEP's regulations or State statutes. This article generally adopts State laws and the DEP regulations, as amended from time to time, concerning wastewater treatment facilities and other regulations necessary for approval of a SOA with the DEP to include but not be limited to F.A.C. chs. 62-1, 62-4, 62-11, 62-160, 62-301, 62-302, 62-520, 62-522, 62-550.310, 62-550.320, 62-555.360, 62-600, 62-601, 62-602, 62-603, 62-604, 62-610, 62-611, 62-620, 62-625, 62-640, 62-650, and 62-699, and F.S. §§ 120.52, 120.525, 120.53, 120.565, 120.569, 120.57, 120.573, 120.574, 120.595, 120.60, 120.62, 120.66, 120.665, 120.68, and 120.69.

(o) Sarasota County has unique soil composition and hydrological characteristics, including a prevalent high groundwater table during the wet season. Based on these facts, it is necessary to impose more stringent requirements for sludge (Biosolids) land spreading activities than those currently in place under F.A.C. ch. 62-640, to protect the surface and ground waters of the County.

(p) Wastewater treatment facilities operate for the benefit of the public. Furthermore, wastewater treatment facilities are highly regulated and have a minimal expectation of privacy.

(q) Discharge of improperly or inadequately treated sewage may cause infectious diseases, such as cholera, dysentery, typhoid, amebiasis, aseptic meningitis, myocarditis, and hepatitis, which can result in serious illness or death.

(r) Discharge of improperly or inadequately treated wastewater may also result in harm to the environment including excess nutrient loading, alteration of habitat, irreplaceable loss of natural resources, and degradation of water quality.

(s) Unauthorized Discharges may pose a threat to public health, safety, and welfare, and to the environment. It is in the best interests of the citizens to make every reasonable effort to abate Unauthorized Discharges.

(t) Pursuant to the Florida Legislature's determination in F.S. §§ 376.30 and 403.061 that the storage, transportation, and disposal of pollutants is a hazardous undertaking, that their discharge poses a great threat to public health and the environment, and that the State's interest in regulating their storage, transportation, disposal, and the cleanup of pollutant discharges outweighs the burden imposed on such facilities, the DEP adopted F.A.C. chs. 62-761, 62-762, 62-770, and 62-777. The Board recognizes the importance of the concern and intends to facilitate the delegation of DEP's programs for regulating pollutant storage tanks and the cleanup of contamination from those tanks by adoption of an ordinance to establish a mechanism by which the County can effectively implement and enforce DEP's regulatory standards under its own authority as well as any delegated authority. This article generally adopts DEP regulations concerning pollutant storage tanks and contamination cleanup including, but not limited to, F.A.C. chs. 62-761, 62-762, and 62-770.

(u) It is the Board's intent to assist in the State's effort to assure protection of surface water and groundwater in Sarasota County by the implementation of the standards for construction, installation, maintenance, registration, removal, and disposal of pollutant storage tank systems and the cleanup of contamination from those systems. It is not the Board's intent to implement regulations more stringent than those of DEP in regard to pollutant storage tanks.

(v) It is the Board's intent to continue in full force, and without interference or interruption, the pollution control program, which is currently implemented through the Sarasota County Water Pollution Control Code, Chapter 54, Article VII, Sarasota County Code, under the provisions of this article, by updating its administration and standards.

(w) The Board finds unannounced and frequent inspections by County Inspectors are necessary to ensure continuous compliance and further the regulatory scheme of applicable DEP regulations and County ordinances.

(x) The Board, sitting as the Land Development Regulation Commission, has reviewed the ordinance codified in this article and found it to be consistent with Apoxsee, the Sarasota Comprehensive Plan.

(y) Sarasota County Ordinance No. 96-054 provides that Ordinance No. 96-020, as amended, shall be automatically repealed on September 30, 1998, unless the Board adopts an ordinance either ratifying or amending Ordinance No. 96-020.

(z) It is the Board's intent to provide a mechanism to promote a more efficient and effective method of regulating the transportation, and land spreading of residuals (biosolids), to ensure protection of the public health, safety, and welfare.

(aa) It is the Board's intent to ensure adequate regulatory control over the land spreading areas to protect the public's health, safety and welfare.

(bb) It is the Board's intent to ensure that proper treatment of biosolids is occurring prior to land spreading, thereby protecting the land, water, and environment in general, as well as public health, safety, and welfare.

(Ord. No. 98-066, § 1, 9-1-1998)

SECTION 3. Section No. 54-182 of the Sarasota County Code is hereby restated as follows:

Sec. 54-182. Short title.

This article is referred to as the "Sarasota County Water Pollution Control Code."

(Ord. No. 98-066, § 2, 9-1-1998)

SECTION 4. Section No. 54-183 of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-183. General definitions.

Aerosol means the suspension of ultramicroscopic solid or liquid particles in air.

Agricultural Use Plan (DEP Form 62-640.210(2)(a)) means a formal document submitted to the Florida Department of Environmental Protection (DEP) that describes the controlled use of biosolids as part of a planned agricultural operation.

Agronomic rate means the whole application rate (dry weight basis) of biosolids designed (a) to provide the amount of nitrogen needed by the food crop, feed crop, fiber crop, cover crop, or other vegetation grown on the land; and (b) to minimize the amount of nitrogen in the biosolids that passes below the root zone of the crop or vegetation grown on the land to the groundwater.

Air and Water Quality Protection (AWQP) means a unit within Sarasota County Environmental Services Natural Resources.

Biosolids or residuals means the solid, semisolid, and/or liquid residue removed during the treatment of domestic or industrial wastewater in a wastewater treatment plant (WWTP). Not included are the solids removed from pump stations and lift stations screenings and grit removed

from the preliminary treatment components of WWTPs. Also not included are ash generated during the incineration of biosolids; domestic septage; treated effluent or reclaimed water from a WWTP.

Board means the Sarasota County Board of County Commissioners.

Certificate means a valid and active Operator Certificate issued by the DEP or Florida Department of Business and Professional Regulation (DBPR) in accordance with the provisions of F.A.C. ch. 61E12-41, or its successor. For purposes of this article, "Certificate" and "license" shall have the same meaning.

Class A Biosolids means biosolids that meet the Class A pathogen reduction requirements of Rule 62-640.600(1)(a), Florida Administrative Code.

Class AA Biosolids means Class A biosolids that meet all the requirements of Rule 62-640.850, Florida Administrative Code.

Class B Biosolids means biosolids that meet the Class B pathogen reduction requirements of Rule 62-640.600(1)(b), Florida Administrative Code.

Closely Regulated Facilities are those facilities permitted or regulated by the provisions of this article, NPDES permits, or any DEP rule cited herein.

Concentrated Animal Feeding Operation (CAFO) means an animal feed operation that meets the definition in Chapter 62-670, Florida Administrative Code.

Conservation Plan means a formal document, prepared, or approved by the district conservationist of a local United States Department of Agriculture Natural Resource Conservation Service office, which outlines a system of management practices for a specific parcel of property to control soil erosion, reduce sediment loss, protect the water quality, and manage nutrient use.

Contiguous wetland means any wetland that does have hydrological or vegetative connections with "waters of the State" as defined in Section 403.032 (3), Florida Statutes.

County means Sarasota County, Florida.

Current in-use land spreading sites means those sites that have received approval from the Florida Department of Environmental Protection and were actively receiving biosolids between January 1, 2002 and the date of this ordinance.

DEP means the Florida Department of Environmental Protection, or its successor.

Domestic septage or septage means a mixture of sludge, fatty materials, human feces, and wastewater removed during the pumping of an onsite sewage treatment and disposal system. Excluded from this definition are the contents of portable toilets, holding tanks, and grease interceptors.

EPA means the United States Environmental Protection Agency or any successor agency.

Food establishment sludge means oils, fats, greases, food scraps and other grease interceptor pumpings generated by a food operation or institutional food preparation facility.

General Manager means the General Manager of Sarasota County Natural Resources.

Haulers mean those persons or companies that collect, transport and/or land spread biosolids.

Illicit Discharge means any discharge to a Stormwater System that is not composed entirely of Stormwater except discharges pursuant to a NPDES permit.

Incident means an unusual occurrence including, but not limited to, spills, leaks, or discharges to the environment of wastes regulated by this section, which if not mitigated immediately has the potential to endanger public health, safety, or the environment.

Industrial sludge means sludges that are primarily composed of materials generated through a manufacturing or other industrial process.

Inspector means a Sarasota County Air and Water Quality Protection Environmental Specialist I, II, III, or supervisor, engineer, or other qualified Person.

Isolated wetland means any wetland that does not have hydrological or vegetative connections with “waters of the state” as defined in Section 403.032(3), Florida Statutes.

Land spreading means the application of biosolids; on, above, or into the surface of the ground through spray irrigation, spreading, disking, or other means, according to calculated agronomic rates.

Land spreading permit means a permit obtained from the County for the controlled land spreading of properly treated and stabilized biosolids.

Land spreading site means a parcel or parcels of land under one ownership or management that has been permitted by the County for land application of properly treated biosolids.

Local Regulatory Agency means the Air and Water Quality Protection unit in the Sarasota County Natural Resources.

Manager means the Manager of the Air and Water Quality Protection unit in the Sarasota County Natural Resources.

NPDES is an acronym for the National Pollutant Discharge Elimination System, the national program for issuing, modifying, or revoking permits under Sections 307, 318, 402(p), and 405 of the Federal Clean Water Act (CWA), 33 USC 1251 et seq.

Objectionable odor means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.

OFW means an “Outstanding Florida Water” as defined by Florida Statutes.

Onsite Sewage Treatment and Disposal System means a system that meets the definition of s. 381.0065(2)(i), Florida Statutes.

Operator means any Person who has been issued a domestic Wastewater Treatment Plant Operator Certificate of competency (license) by the DEP or DBPR.

Permittee means the Person or entity to which a permit for a Wastewater Facility is issued by the DEP or Sarasota County. The term "Permittee" shall be functionally synonymous with the terms "owner" and "licensee" but shall not include licensed individuals (e.g., Operators) unless they are the Person(s) to whom a facility permit is issued by the DEP or Sarasota County. "Permittee" also means the Person or entity to which a NPDES Stormwater discharge permit is issued by the DEP or EPA.

Person means any individual Person, firm, association, organization, partnership, business, trust, corporation, company, contractor, supplier, installer, user, owner, county, district, or other political subdivision, or any officer or employee thereof.

Restricted public access means that access to a land application site by the general public is controlled and infrequent. Such sites will be accessible to wastewater facility operators, farm personnel, land spreading personnel, and federal, state and local regulatory personnel only.

Site of Industrial Activity means any area or facility used for manufacturing, processing, or storing raw materials, as defined in Title 40 CFR, Section 122.26(b)(14) of regulations of the U.S. Environmental Protection Agency, and includes construction activity subject to clearing, grading, and excavating.

Special Master means a Person appointed pursuant to Sarasota County Ordinance No. 93-006 (Chapter 2, Article VIII, of this Code) to hold hearings, assess fines, and order mitigation for violations of Sarasota County ordinances.

Stabilization or treatment means a process that renders biosolids less odorous and/or putrescible, and/or which reduces the pathogenic content of the material.

Standard Operating Practice means effective and competent wastewater treatment facility operation that is consistent with the existing facility design and operations manual, manufacturer's equipment specifications, and professionally accepted wastewater treatment facility operation procedures. This definition applies to functions that directly affect facility operations and that can be reasonably controlled by the Operator.

Stormwater means Stormwater runoff, and surface runoff and drainage.

Stormwater System means a conveyance or system of conveyances (including roads with drainage systems, streets, catchbasins, curbs, gutters, ditches, manmade channels, or storm drains):

- (1) Designed or used for collecting or conveying Stormwater;
- (2) Which is not a combined sewer; and
- (3) Which is not part of a publicly owned treatment works as defined in Title 40 of the Code of Federal Regulations (CFR), Section 122.2.

Surface waters mean waters upon the surface of the land, whether contained within boundaries created naturally, artificially or diffused, including, but not limited to, wetlands under the jurisdiction of the DEP. Water from natural springs or artesian wells shall be classified as surface water when it exits from the land.

Unauthorized Discharge means any discharge to surface water, groundwater, or Stormwater that does not comply with or is not pursuant to a valid federal, State, or local permit, that violates water quality standards in Section 54-187(d) of this article, or that is not listed as an exemption in Part II of the current Sarasota County Stormwater NPDES permit.

USDA-NRCS means the United States Department of Agriculture Natural Resource Conservation Service.

Wastewater Facility(ies) means any or all of the following: the collection/transmission system, the treatment plant, and the reuse or disposal system.

Wastewater Treatment Plant (WWTP) means any plant or other works used for the purpose of treating , stabilizing, or holding wastes.

Water level observation point means a point or place on the surface of the land where the depth of the water table at any given time can be determined. For the purposes of this section, water level observation point shall be construed to mean a “Piezometer,” “monitor well,” or “water well” as defined in Rule 40D-3, Florida Administrative Code, rules of the Southwest Florida Water Management District or Chapter 62-532, Florida Administrative Code, rules of the Department of Environmental Protection.

(Ord. No. 98-066, § 3, 9-1-1998)

SECTION 5. Section No. 54-184 of the Sarasota County Code is hereby restated as follows:

Sec. 54-184. Administration.

(a) **Board, duties and powers.** The Board shall have the following duties, functions, powers, and responsibilities to:

- (1) Adopt, revise, and amend, from time to time, appropriate resolutions for the implementation and effective enforcement and administration of this article, and shall provide for the effective and continuous control and regulation of the environment in the County within the framework of this article.
- (2) Adopt a budget, appropriate funds, and accept State appropriations, loans and grants from the federal government, and from any other sources, public or private, all of which shall be expended for the purposes of this article. By resolution the Board shall establish a schedule of fees and special budget category to cover the costs of appeals, processing applications for approval of equipment and facilities, performing inspections, issuing variances and similar services. Monies accumulated from such fees shall be expended for the purposes of this article and for no other purpose.
- (3) Perform such other duties, functions, and responsibilities as may become necessary to contribute to the improvement of the control of the environment in Sarasota County.

(b) *Designation of Inspectors.*

- (1) The Manager shall employ and recommend the designation of Inspectors.
- (2) Pursuant to the recommendations of the Manager, the County Administrator shall designate Wastewater Facility Inspectors who are trained and knowledgeable about Wastewater Facility operations and maintenance, with the provisions of this article as amended from time to time and with DEP rules and regulations.

(c) *Appointment of the Air and Water Quality Protection Advisory Board.*

- (1) There shall be an advisory board known as The Air and Water Quality Protection Advisory Board (Advisory Board) appointed by the Board of seven members. Successors to the present members or additions to the Advisory Board shall be appointed by the Board. Members of the Advisory Board shall be selected by the Board on the basis of training, experience, or interest in the field of air and water pollution control, with five out of the seven members having a background in life, physical, or engineering sciences with a desired emphasis on environmental health sciences, environmental engineering, environmental management, or similar field. Applications should be sought from citizens familiar with local, state, and federal government air and water pollution control programs both regulatory and non-regulatory. Members of the Advisory Board shall be residents of Sarasota County and shall serve at the discretion of the Board and without compensation. Appointments to the Advisory Board shall be for terms of four years. Members shall be eligible for reappointment for one additional four-year term at the discretion of the Board.
- (2) At the annual January meeting, the Advisory Board shall elect a Chairman, a Vice-Chairman, and a Secretary.
- (3) The Advisory Board shall hold its annual meeting on the third Thursday in January of each year, at which meeting it shall make recommendations as it may deem appropriate for

improvement of air and water pollution control in Sarasota County. Such recommendations shall then be presented to the Board.

- (4) The Advisory Board shall call and hold such other meetings from time to time upon request of the Board or when deemed appropriate for the purpose of reviewing and making recommendations to the Board on air and water pollution control.
- (5) Minutes shall be kept of all meetings of the Advisory Board and a copy thereof shall be certified by the Secretary and filed with the Clerk of the Board of County Commissioners.
- (6) All meetings of the Advisory Board shall be open to the public, and notice of the holding of same shall be published one time in a newspaper of general circulation throughout the district on the Sunday prior to the holding of such meeting. Any meeting so called and held may be adjourned to a subsequent date or dates.
- (7) Air and Water Quality Protection shall provide temporary clerical and administrative personnel as may be reasonably required by the Advisory Board for the proper performance of its duties.

(d) ***Advisory Board, duties and powers.*** The Advisory Board shall have the following duties and powers:

- (1) Make recommendations to the Board on air and water pollution control, relating to, but not limited to, the Water Pollution Control Code (this article) and the Air and Noise Pollution Control Code (Article V of this chapter).
- (2) Review recommendations of Air and Water Quality Protection prior to their submittal to the County Administrator and to the Board, and make recommendations to Air and Water Quality Protection.

(Ord. No. 98-066, § 4, 9-1-1998; Ord. No. 2001-090, § 2, 11-28-2001)
Cross reference(s)--Administration, ch. 2.

SECTION 6. Section No. 54-185 of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-185. Air and Water Quality Protection.

(a) ***Right of inspection.*** This article provides an adequate substitute for notice by limiting the place, time and scope of inspections. Inspections of Closely Regulated Facilities may take place without prior notice during normal business hours as defined below for the purpose of determining compliance with air and water pollution regulations. Inspections of Closely Regulated Facilities may take place outside normal business hours; however, access would be granted by the owner or by legal authorization.

- (1) Inspectors are authorized to inspect Closely Regulated Facilities at any time between 8:00 a.m. and 5:00 p.m., Monday through Sunday, without prior notice for the purpose of determining compliance with this article and other ordinances, regulations, and permit requirements that govern water pollution. The Inspector may inspect the premises and all devices, contrivances, processes, or operations thereon and the records, charts, readings, and data associated with such processes or operations relevant to the discharge of contaminants to surface water, groundwater, or Stormwater.
- (2) Inspection of Closely Regulated Facilities may be made at times other than those described in subsection (a)(1) of this section or subsection (a)(5)c of this section with the owner's permission or legal authorization.
- (3) It shall constitute a violation of this article to hamper or interfere with an Inspector's official duties.
- (4) Inspectors shall identify themselves as Sarasota County Air and Water Quality Protection Inspectors to facility personnel present during the inspection, including owners, Operators, or designated representative(s).
- (5) Inspection of Wastewater Facilities.
 - a. Inspections shall be made for the purpose of determining compliance with this article, and DEP or Sarasota County permits and permit conditions, and consent orders. The scope of all compliance inspections shall be limited to these purposes.
 - b. All Wastewater Facility owners or Operators shall appoint one or more designated representative(s) who are capable of and shall provide or arrange for immediate access to the facility for compliance inspections between 8:00 a.m. and 5:00 p.m., Monday through Sunday, without prior notice.
 - c. Inspectors shall be authorized to conduct compliance inspections of any Wastewater Facility, effluent or sludge (Biosolids) disposal, or reuse site at any time between 8:00 a.m. and 5:00 p.m., Monday through Sunday, without prior notice.
- (6) Inspection warrants. At times other than specified in this article, and at facilities and other properties that do not require permits and are not otherwise closely regulated, inspection can be made by consent or by means otherwise available by law. If consent is denied or the Inspector can justify the failure to seek consent, Inspectors may obtain an inspection warrant pursuant to Florida Statutes.
- (7) Search warrants. If statutory grounds exist, or if there is probable cause to suspect a criminal violation, Inspectors may contact the appropriate law enforcement personnel to obtain a search warrant and may aid the officer, if required, pursuant to Florida Statutes.
- (8) Wastewater Facilities inspection reports. Inspectors may record relevant field observations concerning Wastewater Facilities and may leave a duplicate copy of the field observations

at the facility at the conclusion of the inspection at a location designated by the owner, Operator, or designated representative. Upon request, copies of results of laboratory analyses for samples collected by Air and Water Quality Protection may be mailed to the owner or Operator.

- (9) Failure to designate representative or provide access. Failure of an owner or Operator of a Wastewater Facility, effluent or Biosolids disposal or reuse site to appoint and provide the Manager with a list of one or more designated representative(s) or failure of the designated representative to provide immediate access to the facility shall be a violation of this article.

(b) *Compliance testing.*

- (1) Inspectors shall be authorized to obtain sample(s) or conduct test(s) or order owners or Operators to obtain sample(s) or conduct test(s) to determine compliance with this article.
- (2) The responsibility to provide adequate sampling facilities shall rest upon the owner of the premises.
- (3) All compliance testing shall be conducted in accordance with F.A.C. ch. 62-160, which defines quality assurance and quality control activities.

(c) *Operating records required.*

- (1) A Person responsible for the operation of any facility that may be a source of water pollution, as herein defined, shall conduct such tests and maintain such records as prescribed by Air and Water Quality Protection to give evidence that any discharges are in compliance with this article. Such test data and records shall include the monitoring data available for all wastewater discharges unless otherwise specified in writing by Air and Water Quality Protection. Such test data and operating records shall be available at all times for inspection by Air and Water Quality Protection, and reports that contain these records and data shall be filed with Air and Water Quality Protection on a regular basis.
- (2) Copies of all records that are required to be maintained at the facility by DEP regulation, EPA regulation, or County ordinance shall be available for inspection at all times. Any on-site operations and maintenance log book required by DEP or Sarasota County shall be maintained and kept on-site in a bound book in a safe and weatherproof location.

(d) *Corrective actions and documentation.* Parties responsible for violations of Section 54-187 shall take corrective actions to return to compliance and provide records documenting actions as directed by Air and Water Quality Protection. Failure to provide records or documentation directed pursuant to this article is a violation of this article.

(e) *Temporary disconnection of water service.* Air and Water Quality Protection is authorized to order the water purveyor to cease water service to a connection where continued water service will allow an Unauthorized Discharge to continue unabated by the responsible party or party occupying a subject property. This action is only authorized to abate a situation that poses a risk to

public health, safety, and welfare as determined by the County, such as sewage, septage, or septic tank system discharge in areas of public access, and where the water service is to a commercial or industrial business or facility, with the exception of a medical service facility. The property owner or responsible party shall commence mitigation, as approved by Air and Water Quality Protection, of the Unauthorized Discharge within one hour of notification by Air and Water Quality Protection. When the Unauthorized Discharge remains unmitigated, the water purveyor shall, within one hour of notification by Air and Water Quality Protection, discontinue such water service. The water purveyor shall, within one hour of notification by Air and Water Quality Protection, reinstate water service, provided the purveyor has no cause to withhold service. The water customer shall be responsible for any fees for the disconnection or resumption of water service charged by the water purveyor.

(Ord. No. 98-066, § 5, 9-1-1998)

SECTION 7. Section No. 54-186 of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-186. Domestic Wastewater Facility(ies) Operators.

(a) ***Applicability.*** Requirements in this section shall apply to:

- (1) Persons employed in or conducting the staffing, operation, or maintenance of a domestic Wastewater Treatment Plant or other Wastewater Facilities.
- (2) Where applicable, owners or Permittees of Wastewater Facilities.

(b) ***Duties of Operators.***

- (1) An Operator is responsible for performing Wastewater Treatment Plant operation and maintenance duties in a responsible and professional manner consistent with Standard Operating Practices. The Operator's duties shall include the following:
 - a. Perform responsible and effective on-site management and supervision of personnel and plant functions, including, if applicable, reuse and disposal systems within the Operator's responsibility.
 - b. Submit all required reports in the manner required by the DEP in F.A.C. 62-601.300, and this article, to the Permittee.
 - c. Report to the Permittee and to Air and Water Quality Protection as soon as possible, but not later than 24 hours following the occurrence, any breakdown or lack of proper function of any facility, equipment, or operation that is causing or is likely to cause unsafe Wastewater Facility operation, or any discharge of wastewater not in accordance with the limits established by this article. At the discretion of Air and Water Quality Protection, a written report may be required to be submitted within five days.

- d. Submit accurate reports to the Permittee relative to Wastewater Treatment Plant operation, sampling, and laboratory analysis.
- e. Maintain an on-site operation and maintenance log that is current to the last operation and maintenance activity for each Wastewater Treatment Plant in a location accessible to 24-hour inspection, and protected from weather damage. The log shall be maintained in a bound book or by electronic means. The log shall contain a minimum of 12 months of data at all times. The log shall include:
 - 1. Identification of the plant;
 - 2. The signature and certification number of the Operator and the signature of the Person making entries;
 - 3. Date and time in and out of plant by staff;
 - 4. Specific operation and maintenance activities;
 - 5. Tests performed, samples collected, and major repairs made; and
 - 6. Performance of preventive maintenance and either repairs or requests for repair of the equipment to keep the Wastewater Treatment Plant operating as required by the operation permit.

(c) ***Prohibitions.*** The following acts or omissions are prohibited and constitute a violation of this article:

- (1) Operating a Wastewater Treatment Plant without a valid Certificate.
- (2) Operating a Wastewater Treatment Plant in a manner inconsistent with Standard Operating Practices, as defined in this article.
- (3) Employing any Person without a valid Certificate to perform the staffing duties of an Operator, as provided in F.A.C. ch. 62-699.
- (4) Knowingly or negligently submitting misleading, false, or inaccurate information as documentation for certification, laboratory results, or operational reports; or persistently submitting inaccurate or incomplete data or information in documents or reports that are required to be submitted by this article, including the operation, laboratory, or maintenance reports or logs required to be maintained, signed, or submitted by an Operator.
- (5) Failing to maintain reports or records required of an Operator by this article, or by the DEP.
- (6) Negligently performing an Operator's duties as prescribed in F.A.C. Rule 62-602.650. "Negligence" is defined as, but not limited to:

- a. Performance by or under the personal control of an Operator that results in conditions that constitute a threat to public health or the environment; or
- b. Providing insufficient attention to Wastewater Treatment Plant operation in a manner that may result in a hazard to the public health or to the environment.

(Ord. No. 98-066, § 6, 9-1-1998)

SECTION 8. Section No. 54-187(a) through 54-187(e) of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-187. Water pollution control.

(a) ***Water quality testing.*** Testing or analytical procedures to determine compliance or noncompliance with the water criteria provided by this article, DEP rule, or permit condition shall be in accordance with methods given in F.A.C. ch. 62-160. Where other tests or analytical procedures are found to be more accurate, such tests or procedures will be used upon the prior acceptance and approval of Air and Water Quality Protection.

(b) ***DEP domestic wastewater and water quality standards and regulations.*** All provisions of F.S. ch. 376 (Pollutant Discharge Prevention and Removal) and F.S. ch. 403 (Environmental Control) that relate to the regulation of domestic Wastewater Facilities, pollutant storage tanks, contamination cleanup activities, and groundwater and surface water quality standards are herein adopted and incorporated by reference as part of this article to the same extent and to the same effect as if the provisions of each statute or law had been set out in full. For the sole purpose of addressing enforcement and permitting challenges from the implementation of the domestic wastewater SOA entered into between the DEP and Sarasota County, relevant sections of F.S. ch. 120 are herein adopted and incorporated by reference as part of this article to the same extent and to the same effect as if the provisions of each section had been set out in full. All rules of the DEP adopted pursuant to such State laws, as applied to the regulation of domestic Wastewater Facilities, pollutant storage tanks, contamination cleanup activities, and surface water and groundwater quality standards, are hereby adopted and incorporated to the same extent and to the same effect as if the provisions of each rule had been set out in full.

(c) ***Reportable events.*** Each Permittee or their designee shall report to Air and Water Quality Protection as soon as possible, but not later than 24 hours following the occurrence, any breakdown or lack of proper function of any facility, equipment, or operation that is causing or is likely to cause unsafe Wastewater Facility operation, or any discharge of wastewater not in accordance with the limits established by this article. A written report may be required to be submitted within five days at the discretion of Air and Water Quality Protection. This report shall detail the cause, effect, remedial actions taken, actions taken to prevent a recurrence, and other related information about the occurrence.

(d) ***Additional water quality standards for Unauthorized Discharges.*** All waters, at all places, at all times, within the territorial limits of Sarasota County shall be free from the following (domestic Wastewater Facilities regulated by rules adopted in subsection (b) of this section are exempt from these criteria):

- (1) Floating substances. Floating debris, oil, grease, petroleum products, scum, or other floating material attributable to municipal, industrial, agricultural, commercial, private, or other discharges in sufficient quantity to be unsightly or deleterious.
- (2) Settleable substances. Substances attributed to municipal, industrial, agricultural, commercial, private, or other discharges that will settle to form putrients or otherwise objectionable sludge deposits, including inorganic silt.
- (3) Deleterious substances. Sewage, septage, industrial wastewater, or other materials attributable to municipal, industrial, agricultural, commercial, private, or other discharges producing color, odor, or other conditions in such a degree as to create a nuisance, or in such a degree as to be harmful to the environment.
- (4) Toxic substances. Substances attributable to municipal, industrial, agricultural, commercial, private, or other discharges in concentrations or combinations that are toxic to humans animals, plants, or aquatic life.

(e) ***Unauthorized Discharges.***

- (1) Any direct or indirect discharge from a Site of Industrial Activity to a Stormwater System that does not comply with, or is not pursuant to, a valid NPDES permit or the provisions of this article is prohibited.
- (2) Except as specifically authorized by a valid federal, State, or local permit, the discharge of sewage, industrial waste, or other wastes, whether through runoff, piped connections, seepage, or leaks, into the Stormwater.
- (3) No Person may maintain, use, or establish any direct or indirect connection to any part of the Stormwater System that results in any Illicit Discharge that does not comply with, or is not pursuant to, a valid federal, State, or local permit.
- (4) No Person shall spill, dump, or discharge, or cause to be spilled or discharged, into any Stormwater conveyance, any materials other than those composed entirely of Stormwater. Exceptions to this prohibition are those identified in Part II of the current Sarasota County Stormwater NPDES permit issued by DEP, and any discharges in compliance with a current individual NPDES permit.

SECTION 9. Section No. 54-187(f) of the Sarasota County Code is hereby deleted in its entirety.

SECTION 10. Section No. 54-188 of the Sarasota County Code is hereby amended to read as follows:

Sec. 54-188. Land spreading of Biosolids.

(a) *Applicability.* The requirements of this section shall apply to:

- (1) This section shall apply to haulers of biosolids and to owners of property on which biosolids are land applied within Sarasota County.
- (2) Waste streams from a concentrated animal feeding operation (CAFO), as defined in Chapter 62-670 F.A.C.

(b) *Prohibited Acts.*

- (1) The land spreading of biosolids except as provided herein.
- (2) The land spreading of domestic septage or septage.
- (3) The land spreading of untreated, improperly treated, or unstabilized residuals inconsistent with an approved DEP permit, or residuals generated from a facility not permitted under Chapter 62-620, Florida Administrative Code.
- (4) Land spreading of any biosolids that may be toxic or hazardous in nature.
- (5) The land spreading of biosolids in areas used for food crops.

(c) *Land spreading site permit required.*

- (1) Any landowner that intends to land spread, or allows the land spreading of, properly treated and stabilized domestic wastewater biosolids or industrial wastewater biosolids shall obtain a permit for such activity from the County. Such permit may be denied for failure to comply with any of the requirements of this section. A permit shall not be approved unless the County is provided the following information:
 - a. Site map showing the locations of the proposed land spreading site(s). The site or sites shall be shown on an U.S. Geological Survey quad sheet or equivalent type of map that clearly depicts topography, surface features of the land, and distances.
 - b. Recent aerial photos delineating all proposed setbacks as listed in the land spreading site requirements of this ordinance.
 - c. The zoning classification of the site(s), according to the Sarasota County Zoning Atlas, maintained by Growth Management.

- d. Type (liquid, dried, or dewatered) and Class of the materials to be land spread. All sources that have the capacity to produce more than 320 dry tons of biosolids per year must be individually identified.
 - e. A copy of the approved Agricultural Use Plan (DEP Form 62-640.900(1)), as applicable.
 - f. A copy of a soil analysis of the property conducted within the 6 months prior to permit application. The procedure used for soil sampling will abide by the following:
 - 1. The number of core samples and soil samples will be determined by the County and the USDA-NRCS, prior to sampling and will depend on field size and soil types.
 - 2. Analysis. Soils will be analyzed for the following: pH, lime requirement, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, Sodium, Boron, Molybdenum, Nitrate, Sulfate, and Iron or any other parameter that may be required to develop a conservation plan.
 - g. A copy of an approved NRCS conservation plan for the parcel of land to receive the domestic wastewater biosolids or industrial wastewater biosolids. Should the permittee be unable to obtain an approved conservation plan for the site after applying to the USDA-NRCS district conservationist, the permittee may petition the County for an extension of time to meet the conservation plan requirement of this paragraph.
 - h. The applicable fees. The Board is authorized to set reasonable fees and charges for the implementation of this article. Such fees shall be set by resolution. Fees charged will substantially finance the expenditures of the biosolids inspection and monitoring activities including the development and operation of a Geographical Information System (GIS) tracking system for all biosolids lands applied within the County. Maps showing location of all land spreading sites shall be posted on the County's web site.
- (2) Current in-use land spreading sites, approved by DEP, may continue land spreading operations until such time as an application for Land Spreading Site Permit is issued or denied provided;
- a. An application was received by the County within 90 days of effective date of this ordinance;
 - b. Written evidence is received by the County within 90 days of the effective date of this ordinance that the development of a conservation plan has been requested of the USDA-NRCS;
 - c. All other provisions of this ordinance are met.

- (3) The land spreading site permittee is required to submit a repeat soil analysis, as specified in section (c) (1) f, on an annual basis to the County and to USDA-NRCS for monitoring of the total nutrient management plan for the parcel.
- (4) The land spreading site permittee is required to submit a report to the County annually by February 15, providing the names and addresses of all haulers allowed on site within the past year, all haulers expected to be on site for the next year, any changes to the agricultural use plan, any changes from original permit application, and any changes to the approved conservation plan.
- (5) Each permit shall be valid for a five-year period. If a permittee wishes to renew the permit, the permittee shall submit an application to the County no less than 90 days prior to permit expiration. If an application is received by the County 90 days prior to expiration, hauler may continue operation under existing permit until County action on the application. If an application is received less than 90 days prior to expiration, the existing permit will expire as scheduled and no further operations will be permitted until County action on the application.
- (6) The permit for an existing site may be transferred to a new owner upon submittal of an application and payment of a permit modification fee as set by resolution.
- (7) The County shall have the authority to impose more strict conditions in the permit that are necessary to mitigate environmental or human health and safety impacts associated with the proposed land spreading activity unique to each site. The County may use all the resources of county, state and federal agencies in the evaluation of impacts unique to each site application. Stricter conditions may include, but are not limited to:
 - a. Setbacks greater than the minimums as required in subsection (e).
 - b. Limitations of land application based on soil types and historical groundwater table fluctuations.
 - c. Setbacks from adjacent property lines or habitable buildings, which may be reduced in cases where the permittee has obtained setback waivers from adjacent property owners or affected residents.
 - d. The requirement for testing and monitoring of groundwater and/or surface water.
 - e. Control of fugitive dust and particulate matter.
- (8) The permittee must obtain a modification to an existing permit before accepting the biosolids of a new large generator (>320 dtpy) on the site. An application and fees must be submitted to the County before any permit revision can be evaluated.
- (9) At least 30 days and not more than 180 days prior to issuance of a site permit, the applicant must provide the County proof of publication of a notice, published in a

newspaper of general circulation in Sarasota County, which details the site name and location, proposed land spreading activities and onsite contact information. The notice must contain the County's contact addresses and request that any public comment on the activity be provided to that address. Similar notice is required for any site that applies for modification of an existing permit to add a new generator of biosolids with the permitted capacity to produce greater than 320 dry tons of biosolids per year.

(d) ***Land spreading site requirements.***

- (1) Each permittee shall have Restricted Public Access to a land spreading site during and for a one-year period after land spreading of Class B biosolids have ceased. Access shall be restricted by the use of signs indicating the application of biosolids and suitable fencing or other effective means.
- (2) The land spreading site shall have a Zoning designation of OUA to be permitted pursuant to this section.
- (3) The parcel of land on which biosolids are to be land spread shall be fenced or otherwise secured in a manner that will exclude livestock from the land spreading site in accordance with the conditions set forth in Chapter 62-640, Florida Administrative Code.
- (4) Signs shall be required at the primary ingress point to each site indicating the site is receiving biosolids. Signs with minimum 3 inch letters/numbers indicating individual field identifications, consistent with the agricultural use plan, shall be located at the primary ingress point to each field within that site and be maintained for the duration of the permit.
- (5) Water level observation points used to monitor water table levels shall be installed on the land spreading site at elevations that are representative of the entire site.
- (6) Unless otherwise specified in the conservation plan for each parcel, the loading of the limiting nutrient, nitrogen or phosphorus, may not exceed 50 percent of the annual maximum loading in any one quarter of the calendar year.
- (7) Current in-use land spreading sites, prior to receipt of an approved conservation plan, shall use nitrogen as the limiting nutrient. The maximum loading rate for those sites shall be as indicated in the approved agricultural use plans currently on file with the County. Any changes to those agricultural use plans shall be limited to the agronomic rate table in Rule 62-640.750 (2)(a).

- (8) Land spreading and/or stockpiling of biosolids shall meet the following minimum setbacks for:

SURFACE FEATURE	DISTANCE IN FEET
Outstanding Florida Water	3,000
Class I water or Cow Pen Slough, a potential source of potable water	3,000
Any private water supply well	1,000
Any public water supply well	1,000
Any irrigation well	75
Isolated wetlands	50
Contiguous wetlands or any other surface water except canals or other waterbodies used for irrigation that are located entirely within the site and which will not discharge from the site at any time.	1,000
Any habitable building, not contained entirely on the site	1,000
The nearest property line	100

- (9) Hauling from the point of origin to a designated site within Sarasota County and land spreading of biosolids is allowed only between the hours of 7:00 am and 8:00 p.m. Hauling during other hours for scheduled maintenance operations at the WWTP is allowed only when Air and Water Quality Protection is given 72 hours notice prior to maintenance event. Hauling during other hours is allowed in the event of an emergency condition as determined by the permittee or operator of the WWTP. The operator or permittee shall give Air and Water Quality Protection notice and information regarding the emergency condition within 24 hours of the event, followed with written notice within 72 hours.
- (10) The creation of objectionable odors as a result of land spreading of biosolids is prohibited. In the event objectionable odors are created by a permitted land spreading operation, the hauler shall take appropriate steps to abate the odor nuisance such as ceasing application of the materials immediately, disking the materials into the soil within 24 hours, or applying lime to the field(s) from whence the objectionable odors emanate within 24 hours.
- (11) The stockpiling of biosolids on an authorized site within Sarasota County is allowed up to 7 days, provided that the stockpiled biosolids are land spread on that site.
- (12) The spraying of liquid wastewater biosolids shall be conducted in such a manner that the formation of aerosols is minimized. Any aerosols formed shall not cross the property lines of the land spreading site.

- (13) A copy of all land spreading biosolids permits shall be disclosed prior to the contract for sale and included in the contract for sale of any property issued a land spreading biosolids permit in Sarasota County.

(e) Biosolids haulers permit required.

- (1) Any hauler who transports properly treated and stabilized domestic wastewater biosolids or industrial wastewater biosolids, originating within or land spread within Sarasota County, shall obtain a permit for such activity from the County. Such permit may be denied for failure to comply with any of the requirements in this section. A permit shall not be approved unless the hauler provides the following information:
- a. Haul routes, bridge locations and weight limits, points of ingress and egress to the land spreading site(s), and an estimate of the number of daily truck trips to the land spreading site(s).
 - b. A list of all vehicles to be used for the transport of domestic wastewater biosolids or industrial wastewater biosolids either originating within or to be land spread within Sarasota County, including copies of vehicle registrations and proof of insurance.
 - c. Proof of permission from the property owner to accept biosolids onto his property. The Sarasota County Land Spreading Site Permit number for that site, if applicable. If land spreading site is located outside Sarasota County, a copy of the approved Agricultural Use Plan is required.
 - d. Type (liquid, dried, or dewatered) and Class of materials to be land spread at each site. All sources that have the capacity to produce more than 320 dry tons of biosolids per year must be individually identified.
 - e. Chemical analyses of the materials to be land spread as required by DEP in accordance with an active wastewater permit. The County may require the analysis of additional parameters, for material to be land spread in Sarasota County, based on the presence of toxic substances in the biosolids, the water quality of affected surface and/or ground waters, and the hydrogeology of the area to receive the land spread materials.
 - f. An estimate of the volume of material to be land spread at each site expressed in gallons per day, cubic yards per day, or tons per day.
 - g. The permanent location and address of the business where hauling operations will originate and where vehicles and ancillary equipment used for land spreading are stored when not in use.
 - h. Copies of permits and agricultural use plans for all WWTP's outside of Sarasota County.

- i. Proof that the hauler has at least \$1,000,000 in commercial liability insurance, to include \$1,000,000 pollution coverage. The applicant shall submit a certificate of insurance when applying for the permit, when insurance is changed, or when the insurance policy is renewed. A paidup, current insurance policy is required throughout the life of the permit. The permittee shall ensure that a copy of a currently in-force insurance policy is maintained as part of the County's records. If the hauler is a governmental entity, the governmental entity may submit a certificate of self-insurance to fulfill this requirement.
 - j. Performance security in the amount of \$100,000 to ensure that any environmental damage or public health threat caused by the permit holder may be adequately remedied. Such performance security shall comply with all statutory requirements and shall be satisfactory to the County as to form and manner of execution. The collection on such security shall be at a location within 100 miles of the county seat of Sarasota County. In lieu of requiring this security, the County shall allow government units to submit a certified resolution, ordinance, or other written assurance from its governing body agreeing to reimburse the County for any funds expended to remedy environmental damage or injury to the public health caused by a hauler under that governmental unit's employment.
 - k. The applicable fees. The Board is authorized to set reasonable fees and charges for the implementation of this article. Such fees shall be set by resolution. Fees charged will substantially finance the expenditures of the biosolids inspection and monitoring activities.
- (2) The permit is not transferable.
- (3) The provisions of this section shall apply to all hauling operations upon adoption.
- (4) When a permit is issued, the number of said permit, along with the name of the hauling company, its address, phone number, empty weight of truck, and truck capacity (stated in gallons or tons) shall be permanently applied and prominently displayed on both sides of the service truck in three-inch or larger letters and numbers.
- (5) The County has the authority to impose more strict conditions in the permit that are necessary to mitigate environmental or human health and safety impacts associated with the proposed land spreading activity. Stricter conditions may include, but are not limited to:
- a. Limitation of trucks to certain routes and times.
 - b. The requirement to carry copies of documentation.
 - c. The right to inspect and sample.
 - d. Control of fugitive dust and particulate matter.

(6) Haulers shall familiarize themselves with land spreading site area school bus routes and boarding/unboarding times and avoid conflict with these activities.

(7) Land spreading activity notice and reporting.

- a. Haulers shall notify the County no less than 10 days prior to the commencement of any land spreading activity.
- b. Haulers shall maintain a log at the primary ingress point to each land spreading site. This log shall contain a contemporaneous account of all activity at that land spreading site including: the date, time, truck number, facility where the domestic wastewater biosolids or industrial wastewater biosolids originated, field number where biosolids were land spread, amount (gallons, cubic yards) of biosolids applied, and drivers signature.
- c. Haulers shall submit records required under this section to Air and Water Quality Protection on a monthly basis, due the 15 of the month following the end of the month during which land spreading operations occurred. Reports shall document the following:
 1. Source and volume of materials.
 2. Date and place (site and spreading zones) of application.
 3. Weather conditions at time of application.
 4. Copies of the most recent reports submitted to DEP containing chemical analyses of land spread material, plus any additional analyses that may be required by the County.
 5. Water table measurement as determined by the use of water level observation points installed on site.
 6. Copies of the log, maintained on site, for the previous month's activities.
 7. Hauling company name and notarized signature of the authorized agent of the hauling company.

(8) Incident reporting and mitigating measures. In the event of an Incident involving the transportation, or land spreading of biosolids regulated by this section, the hauler responsible for causing a defined Incident situation shall:

- a. Report the facts to Air and Water Quality Protection within 24 hours.

- b. Attempt to contain the spilled material, protect surface waters and reduce the number of pathogens by application of lime or other suitable biocide to the spilled material.
 - c. Begin cleanup and removal of spilled materials immediately.
 - d. Submit a written incident report within five working days to Air and Water Quality Protection. This report shall include the following minimum information:
 - 1. The name and address of the person in charge.
 - 2. The cause of the Incident.
 - 3. Description of actions taken to mitigate the Incident.
 - 4. The final disposal site for waste material.
 - 5. Description of actions that will be taken to prevent future Incidents.
- (9) Each permit shall be valid for a two-year period. If a permittee wishes to renew the permit, the permittee shall submit an application to the County no less than 90 days prior to permit expiration. If an application and fee are received by the County 90 days prior to expiration, the hauler may continue operation under existing permit until County action on the application. If an application and fee are received less than 90 days prior to expiration, the existing permit will expire as scheduled and no further operations will be permitted until County action on the application.

(f) Exemptions. This section shall not apply to the land spreading or disposal of biosolids categorized as Class “AA” by the Department of Environmental Protection. The provisions of this section shall not apply to the land spreading, dumping, or disposal of animal manures as a means of fertilizing crops or enriching the soil. However, such activities shall not be conducted in a manner that would constitute a public or private nuisance under Section 823.14(4), Florida Statutes, the Florida Right to Farm Act.

(g) Authority to Order Cessation of Operations. The County has the authority to order the cessation of land spreading operations at a site when the Sarasota County Emergency Operations Center (EOC) is activated due to threats from an event that may produce heavy precipitation, when there is a violation of this section as a result of fraud or misrepresentation, or when other documented off site impacts from the land spreading activities. Any person receiving such an order for cessation of operations shall immediately comply. It shall be a violation of this section for any person to fail or refuse to comply with an order issued and served pursuant to this section. The land spreading operations may resume upon written notice from the County or closure of the EOC.

(h) Review of decisions of the County. A decision of the County made regarding the issuance of a land spreading site permit, land spreading hauling permit or an order for cessation of operations may be appealed by any aggrieved person to the circuit court. An appeal shall be filed

within thirty (30) days of the rendition of the order of the County to be appealed in accordance with Rules of Appellate Procedure, 9.110.

SECTION 11. Section No. 54-188 of the Sarasota County Code is hereby renumbered to 54-189 as follows:

Sec. 54-189 Violations and enforcement.

It is the intent hereof that the civil and criminal penalties imposed by a court, or fines or administrative penalties imposed through execution of this article, be of such amount as to ensure immediate and continued compliance with this article. The imposition of either a civil or criminal penalty shall not preclude the imposition of the other penalty. The General Manager is authorized to enter consent orders to resolve violations or alleged violations.

- (1) Violations. It shall constitute a violation of this article for any Person or entity to violate or suffer a violation of any rule, standard, or provision incorporated in this article. Each day during any portion of which such violation occurs shall constitute a separate offense.
- (2) Civil and administrative enforcement, and penalties.
 - a. DEP enforcement policies. To the extent that Air and Water Quality Protection is exercising authority delegated by the DEP under the provisions of a SOA, Air and Water Quality Protection shall enforce all DEP rules and regulations incorporated into this article pursuant to the provisions of the SOA.
 - b. Sarasota County Code Enforcement Special Master.
 1. Subject to subsection (2)a of this section, all provisions of this article may be enforced through the Code Enforcement Special Master process pursuant to Sarasota County Ordinance No. 93-006, as amended (Chapter 2, Article VIII, of this Code), or its successor.
 2. Air and Water Quality Protection may notify the Special Master and request an emergency hearing after a reasonable effort to obtain compliance from the violator is made, if there is reason to believe a violation presents a serious threat to the public health, safety, or welfare, or if the violation is irreparable or irreversible in nature.
 - c. Other remedies. Notwithstanding any other provision in this article, Sarasota County may enforce this article by any other remedy available at law or in equity, including initiation of enforcement action in a court of competent jurisdiction. In addition, Sarasota County may enforce this article through adopted administrative procedures. Sarasota County is authorized to initiate any legal means necessary to collect and recover from any owner, Operator, Person or entity any funds that the County may have

expended for action necessary to abate the spread of contamination due to incidents resulting in the discharge of contaminants.

d. Penalties.

1. Violations of this article shall be punishable by a civil penalty of not more than \$10,000.00 for the first offense, and of not more than \$10,000.00 for each offense thereafter.
 2. All penalties collected as a result of enforcement of this article shall be placed in the pollution recovery trust fund defined by Board Resolution No. 91-360, or its successor. The General Manager is authorized to expend funds from the pollution recovery trust fund for the purpose, among those stated in Board Resolution No. 91-360, or its successor, of restoring property or water quality on a timely basis necessary to abate the spread of a contamination incident, including other costs directly associated with the disposal of recovered materials.
 3. If the DEP and Air and Water Quality Protection cooperatively undertake an enforcement action, penalties collected pursuant to a consent order may be equally divided between the DEP and the Sarasota County pollution recovery trust fund.
- (3) Criminal. Violations of this article committed willfully, with reckless indifference, or with gross careless disregard shall be treated as a misdemeanor, and shall be prosecuted and shall be punishable as provided by general law.

(Ord. No. 98-066, § 8, 9-1-1998)

SECTION 12. Section No. 54-189 of the Sarasota County Code is hereby renumbered to 54-190 as follows:

Sec. 54-190. Area of application.

The provisions of this article shall be applicable and enforceable throughout the entire area of Sarasota County, including those areas of the County lying within the boundaries of municipalities, towns, and cities.

(Ord. No. 98-066, § 9, 9-1-1998)

SECTION 13. Section No. 54-190 of the Sarasota County Code is hereby renumbered to 54-191 as follows:

Sec. 54-191. Effect of Ordinance Nos. 72-37, 75-6, 82-13, 82-25, 82-90, 87-139, 91-54, 93-038, 93-85, and 94-039.

Sarasota County Ordinance Nos. 72-37, 75-6, 82-13, 82-25, 82-90, 87-139, 91-54, 93-038, 93-85, and 94-039 are hereby repealed. However, past violations of prohibitions or standards contained in Ordinance No. 72-37 or its amendments and readopted in this article shall constitute violations of this article and are enforceable as all other provisions of this article. Further, all orders, resolutions, approvals, requirements, and standards imposed pursuant to Ordinance No. 72-37, or that refer to or incorporate the provisions of Ordinance No. 72-37, shall continue in full force and effect where they would be authorized pursuant to this article.

(Ord. No. 98-066, § 10, 9-1-1998)

SECTION 14. Section No. 54-191 of the Sarasota County Code is hereby renumbered to 54-192 as follows:

Sec. 54-192. Construction and interpretation.

(a) Where any provision of this article refers to another provision, ordinance, statute, policy, reference, manual, rule, regulation, or other authority, it refers to the most current version, incorporating any amendments thereto or redesignation thereof.

(b) It is the purpose of this article to provide additional and cumulative remedies for the prevention, abatement, and control of the pollution of the air and water of this County. Nothing contained herein shall be construed to impair or restrict the enforcement of stricter, more extensive, and more stringent regulations should same be determined to be applicable to Sarasota County through adoption by any unit of federal, State, local, or municipal government.

(Ord. No. 98-066, § 11, 9-1-1998)

SECTION 15. Section No. 54-192 of the Sarasota County Code is hereby renumbered to 54-193 as follows:

Sec. 54-193. Severability clause.

If any section, sentence, clause, phrase, or word of this article is for any reason held or declared to be unconstitutional, inoperative, or void, such holding of invalidity shall not affect the remaining portions of this article; and it shall be construed to have been the intent to adopt this article without such unconstitutional, invalid, or inoperative part therein; and the remainder of this article, after the exclusion of such part or parts, shall be deemed to be held valid as if such part or parts had not been included herein.

(Ord. No. 98-066, § 12, 9-1-1998)

SECTION 16. Section No. 54-193 of the Sarasota County Code is hereby deleted in its entirety.

Secs. 54-194--54-220. Reserved.

SECTION 17. Effective Date. This article shall take effect immediately upon filing with the Office of the Secretary of State of Florida.

PASSED AND DULY ADOPTED BY THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA, **this _____ day of _____, 2002, A.D.**

BOARD OF COUNTY COMMISSIONERS
OF SARASOTA COUNTY, FLORIDA

By: _____
Chair

ATTEST:

**KAREN E. RUSHING, Clerk of the Circuit Court
Ex-Officio Clerk for the Board of County
Commissioners of Sarasota County, Florida**

By: _____
Deputy Clerk



About Us | Elected Officials Thursday, August 07, 2003

911 Calendar Your Government

Contact Us

Jobs

Maps

Media

Meetings

Services A-Z

Longboat Key

North Port

Sarasota

Venice

Business

Children

Community

Education

Emergency

Environment

Government

Health

Home and Garden

Law and Order

Libraries

Licenses, Registrations,

and Permits

Parks and Recreation

Seniors

Transportation/Travel

more

more

Reporting pollution

Contact Information | Find Additional Services

Sarasota County Air and Water Quality Protection have a Pollution Reporting Hotline. Pollution incidents, pollution complaints and abnormal events related to wastewater treatment facilities and collection/transmission systems may be reported to the number below 24 hours a day, 7 days a week. The online form provided may be printed and used to report a pollution concern. Please note that any personal information provided on the form becomes public record and must be disclosed, if requested. If you wish to remain anonymous, please omit your personal information or call our Pollution Reporting Hotline. However, if you remain anonymous, complete information must be provided in order for the concern to be thoroughly investigated.

Related Documents

- Pollution Complaint Form

Find Additional Documents

FAQs

Who do I call after hours to report pollution?

Yes. To report possible pollution call Natural Resources, Air and Quality Protection, 24 hours a day, 7 days a week. After hours phone calls will be handled by an answering service.

CONTACT INFORMATION

Email...

- kmeaux@scgov.net

Phones...

- Voice: (941) 861-6208

Locations...

- Location: Environmental Services

Address: 2817 Cattlemen Road

City: Sarasota

Zip: 34232

Contact Person: Kathryn Meaux

- Fax: (941) 861-6270

more

more

DISCLAIMER/PRIVACY / © 2003 SARASOTA COUNTY GOVERNMENT

Sarasota County Air and Water Quality Protection
2817 Cattlemen Road
Sarasota, Florida 34232

Pollution Complaint Form

Date: _____

Pollution Concern Submitted By: (This information will help Air and Water Quality Protection staff keep you informed about your complaint)

Name: _____

Street: _____

City: _____

County: _____

State: _____

Telephone: _____

Type of Complaint: (Please check one)

_____ WATER (examples: fish kills, dumping of petroleum products, pollution of water bodies)

_____ WASTEWATER (examples: sewage spills, odors, abnormal event reporting)

_____ AIR (examples: open burning, dust and particulates from construction sites, asbestos)

_____ OTHER (examples: dumping or burial of pollutants, suspicious discharges to storm drains)

Type of Activity:

Please be as complete as possible and include the specific pollution concern, water body names, type of material, and any other information you think may be helpful.

Location of Activity:

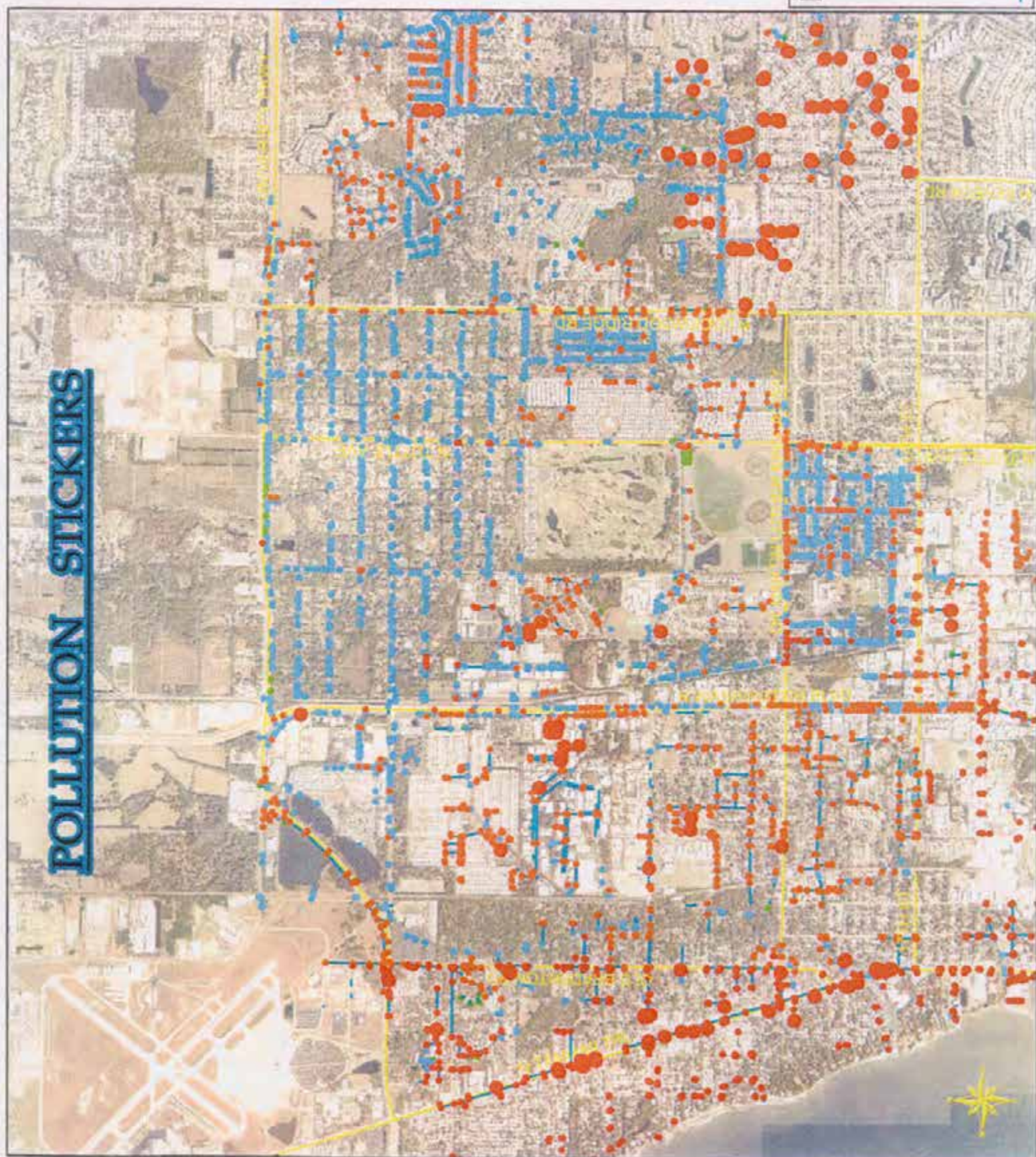
Please include the specific address, exact street names, and location of concern. (Examples: back of property, in front of the building, in a ditch behind a house)

Day, Time, and Duration of Event:

Please include exact date, time of day activity was observed, and how long activity lasted.

Effect of the Activity on the Person Reporting:

POLLUTION STICKERS



Legend

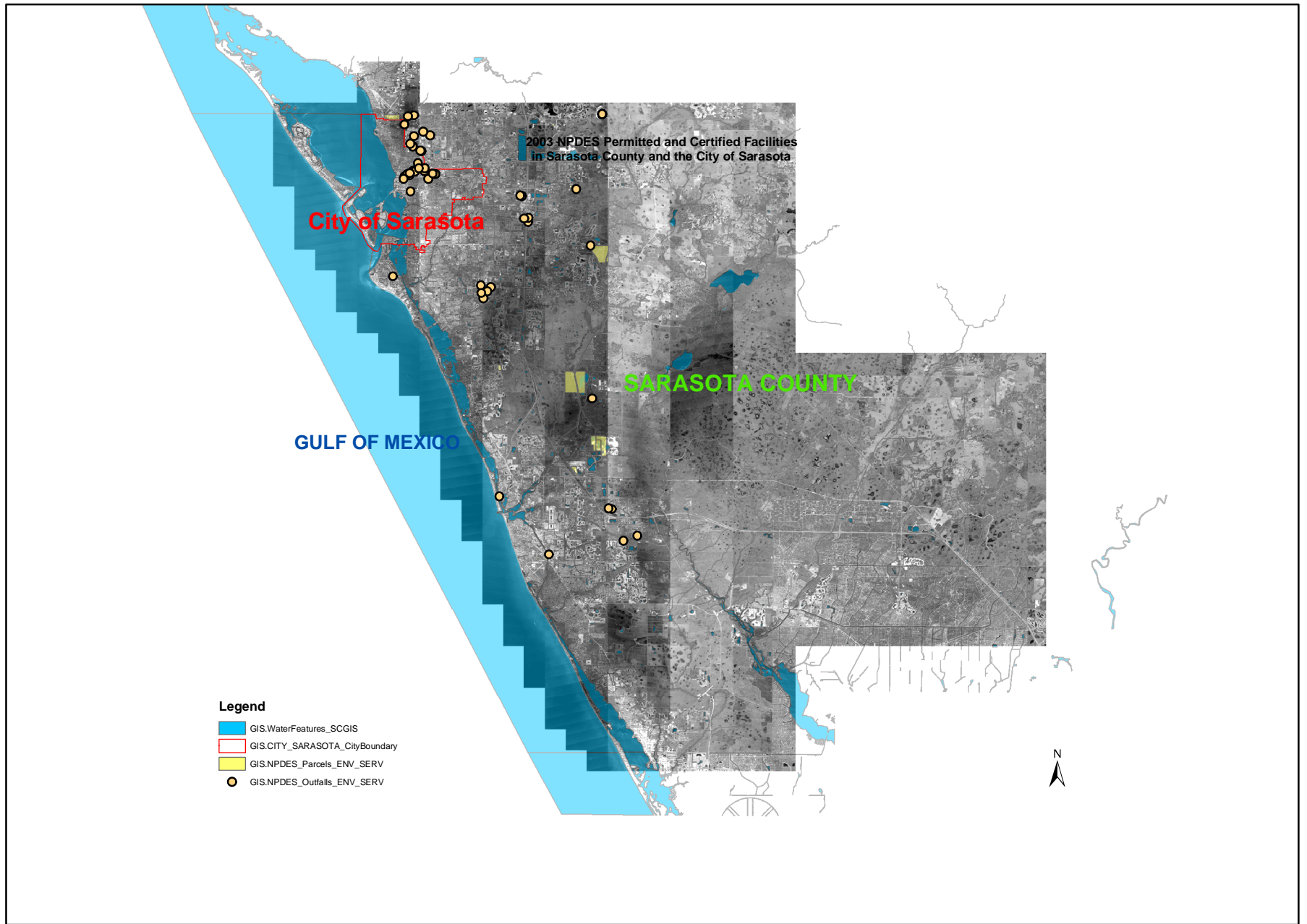
Storm Drains

Markers

Pipe points

Control Structure

Pipelines



**2003 NPDES Permitted and Certified
Facilities within a Close Up View
of the City of Sarasota**

Legend

-  GIS.NPDES_Outfalls_ENV.SERV
-  GIS.NPDES_Parcels_ENV.SERV
-  GIS.CITY_SARASOTA.CityBoundary
-  GIS.WaterFeatures_SCGIS

City of Sarasota

FLRNEE126

FLR05B338

FLRNEE108

FLR05B317

FLRNEE118

FLR05F462

FLRNEE112

FLRNEE102

FLR05A298

New Industrial Facilities

January 2002 - March 2003 New Industrial Facilities

KEY	FACILITY	LOCATION	MSGP SECTOR	DATE	INSPECTOR	SW MSGP STATUS	SIC CODE	OUTFALL LOCATION	DRAINAGE BASIN	CITY / COUNTY
NEW	Granite & Marble Experts Inc.	2136 17th St.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	05/14/02	Steed	Need NEE	3281 Cut Stone and Stone Products	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Pedro's Ironworks	1001 Central Ave.	AA: Fabricated Metal Products	09/17/02	Steed	Need NEE	3446 Ornamental Iron Works	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Burgess Signs	735 N. Lime Ave.	Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	09/23/02	Steed	Need NEE	3993 Manufacturer of Signs and Advertising Specialties	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Coca-Cola Bottling Company	1126 N. Lime Ave.	P: Land Transportation	09/24/02	Steed	Need NEE	4214 Local Trucking with Storage	Sheetflow to swale and outfall at the SE corner of the property. Discharges to ditch.	Whitaker Bayou	City of Sarasota
NEW	Art and Stone Products	2078 17th St.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	09/24/02	Steed	Need NEE / Permit	3272 Concrete Products, Except Block and Brick	Sheetflow to concrete. Flows downslope to street gutter.	Whitaker Bayou	City of Sarasota
NEW	Michael's Signs and Truck Lettering	2066 1/2 17th St.	Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	09/26/02	Steed	Need NEE	3993 Manufacturer of Signs and Advertising Specialties	Street	Whitaker Bayou	City of Sarasota
NEW	Serbin Printing - Plant 2	1915 13th St.	X: Printing and Publishing	09/27/02	Steed	Need NEE	2759 Commerical Printing	Sheetflow to swale.	Whitaker Bayou	City of Sarasota
NEW	Binswanger Glass	2100 17th St.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	09/27/02	Steed	Need NEE	3231 Glass Products Made from Purchased Glass	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Kimal Lumber (Old Gator Asphalt Co.)	450 River Rd., Venice	A: Timber Products	Not inspected yet	N/A	N/A	2439 Structural Wood Members, Not Elsewhere Classified	N/A	Myakka River	Unincorporated Sarasota County
NEW	Cabinet Solutions	2430 17th St.	W: Furniture and Fixtures	10/10/02	Steed	Need NEE	2434 Wood Kitchen Cabinets	front of facility and sheetflow to stormwater pond behind facility.	Whitaker Bayou	City of Sarasota
NEW	Royal-Tees	2315 17th St.	V: Textile Mills, Apparel, and Other Fabric Product Manufacturing	10/10/02	Steed	Need NEE	Trimnings, Apparel Findings, and Related Products (including printing on fabric items)	Sheetflow to stormwater drain at corner of property in parking lot.	Whitaker Bayou	Unincorporated Sarasota County

New Industrial Facilities

KEY	FACILITY	LOCATION	MSGP SECTOR	DATE	INSPECTOR	SW MSGP STATUS	SIC CODE	OUTFALL LOCATION	DRAINAGE BASIN	CITY / COUNTY
NEW	Berta's Ironworks	1228 Seeds Ave.	AA: Fabricated Metal Products	10/11/02	Steed	Need NEE	3446 Architectural and Ornamental Iron	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Gulf Breeze Filter Inc.	181 S. Jackson Rd.	Wholesale Trade (no sector) and Sector AB: Transportation Equipment, Industrial or Commercial Machinery	10/14/02	Maloney	FLRNEE1 06	Air-Conditioning Equipment and Supplies (primary), 3564 Industrial and Commercial Fans and Blowers and Air Purification	Sheet flow to street	Myakka River	Unincorporate d Sarasota County
NEW	Sunset Mold Corp.	727 Commerce Dr.	Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	10/14/02	Maloney	FLRNEE1 13	3999 Manufacturing Industries, Not Elsewhere Classified	Sheet flow to street	Hatchett Creek	Unincorporate d Sarasota County
NEW	Reliable Shutters Co. Inc.	180-B Rich St. (in rear)	Sector AA: Fabricated Metal Products	10/17/02	Maloney	FLRNEE1 19	3442 Metal Doors, Sash, Frames, Molding, and Trim	Sheet flow to rear to area retention pond.	Myakka River	Unincorporate d Sarasota County
NEW	United Van Lines / Yarnall Warehouse, Inc.	1590 East Ave. N.	P: Land Transportation	10/24/02	Steed	Need NEE	4214 Local Trucking with Storage	There are two stormwater grates on the property. One in the parking lot and one behind the fence leading to the storage area. There is a retention pond out front near the road. No outfall structure.	Whitaker Bayou	City of Sarasota
NEW	Nilsen Glass Co., Inc., The House of Glass	1035 N. Lime Ave.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	10/29/02	Steed	Need NEE	3231 Glass Products Made from Purchased Glass	Sheetflow to street.	Whitaker Bayou	City of Sarasota
NEW	Budget Storage	2201 Fruitville Rd.	P: Land Transportation	11/22/02	Steed	Need NEE	4225 General Warehousing and Storage	Drop inlet in swale that surrounds storage buildings along perimeter of the property.	Business District Basin	City of Sarasota

New Industrial Facilities

KEY	FACILITY	LOCATION	MSGP SECTOR	DATE	INSPECTOR	SW MSGP STATUS	SIC CODE	OUTFALL LOCATION	DRAINAGE BASIN	CITY / COUNTY
NEW	Sarasota Self Storage	1169 N. Beneva Rd.	P: Land Transportation	11/22/02	Steed	Need NEE	4225 General Warehousing and Storage	All stormwater runoff flows to the stormwater pond on the northwest corner of the property. Pond has an outfall structure.	Phillippi Creek	City of Sarasota
NEW	Reflections Glass and Mirror	1306 Washington Blvd.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	11/25/02	Steed	Need NEE	3231 Glass Products Made from Purchased Glass	Stormwater sheetflows to SW grate at the corner of the property.	Whitaker Bayou	City of Sarasota
NEW	Reflections Glass and Mirror	1230 East Ave.	E: Glass, Clay, Cement, Concrete, Gypsum Product Manufacturing	11/25/02	Steed	Need NEE	3231 Glass Products Made from Purchased Glass	Sheetflow to streets.	Whitaker Bayou	City of Sarasota
NEW	Contemporary Cabinetry and Closet Concepts	1312 Lime Ave.	W: Furniture and Fixtures	12/03/02	Steed	Need NEE	2434 Wood Kitchen Cabinets	Sheetflow to street.	Whitaker Bayou	City of Sarasota

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ADMIRALS WALK APARTMENTS

Location: CLARK RD. & GANTZ RD.

Developer Contact Person/Phone: ROB ENGEL 907-6900

Approximate Total Acreage: 20

Inspector: SPIKE COOK

Inspection Date: 8/5/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: WORKING ON REPAIRS & MAINTENANCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BERMUDA ESTATES APARTMENTS

Location: MCMINTOSH RD. & BEE RIDGE RD.

Developer Contact Person/Phone: RALPH RHODES 371-9420

Approximate Total Acreage: 19.5

Inspector: SPIKE COOK

Inspection Date: 8/5/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: WORKING ON RETAINING & MAINTENANCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOCA SIESTA

Location: 5917 MIDNIGHT PASS RD.

Developer Contact Person/Phone: LARRY WEBER 921-3914

Approximate Total Acreage: 1.0

Inspector: SPIKE COOK

Inspection Date: 8/4/07

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: NEED TO REPAIR SILT FENCE

TPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

Land Development Services
Erosion and Sediment Control Checklist

Project Name: CLARK RD. COMMERCIAL CENTER
Location: 4245 CLARK RD.
Developer Contact Person/Phone: STEVE HOUGHTON 927-0834
Approximate Total Acreage: 1.10
Inspector: SPIKE COOK
Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: GLENRIDGE AT PALMER RANCH

Location: HUNORE AVE. & PALMER RANCH PKWY.

Developer Contact Person/Phone: CARL REICH 922-8187

Approximate Total Acreage: 90.0

Inspector: SPILKE COOK

Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: GORMAN COMPANY EXPANSION

Location: 1515 MCINTOSH RD.

Developer Contact Person/Phone: ART ALTENDORFER 377-9178

Approximate Total Acreage: 3.0

Inspector: SPIKE COOK

Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: KINGDOM HALL EAST RIDGE CONG.

Location: SO. OF PROCTOR RD. & HONORE AVE.

Developer Contact Person/Phone: STEVE Houghton 927-0834

Approximate Total Acreage: 4.20

Inspector: SPIKE COOK

Inspection Date: _____

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NEED REPAIR & MAINTENANCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: OYSTER BAY LANDING

Location: CAMINO REAL & KENILWORTH

Developer Contact Person/Phone: BILL MURCHIE 377-9178

Approximate Total Acreage: 6.50

Inspector: JOHN COOK

Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: (YES)/NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES)/NO

Erosion Problems: NEED PERMANENT MAINTENANCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FARMER CROSSING OUT PARCEL F

Location: 5400 CLARK RD.

Developer Contact Person/Phone: LARRY WEBER 921-3914

Approximate Total Acreage: 1.20

Inspector: SPIKE COOK

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: (YES) NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) NO

Erosion Problems: TALKED W/ G. C. ABOUT MAINTENANCE
REPAIRS.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PUBLIC STORAGE SD. TRAIL

Location: 6133 TAMiami TRAIL

Developer Contact Person/Phone: JIM SCHOTTSCH 360-1618

Approximate Total Acreage: 1.60

Inspector: SPIKE COOK

Inspection Date: _____

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: TOLD P.E. TO HAVE G.C. REPAIR
& REPLACE SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PUBLIX @ PALMER RANCH

Location: 6040 HONORE AVE.

Developer Contact Person/Phone: RON MORAHAN 727-789-9500

Approximate Total Acreage: 12.50

Inspector: SPIKE COOK

Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: TOLD G. C. TO REPAIR & REPLACE
SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: RIVER FOREST ANIMAL HOSPITAL

Location: 4937 TAMiami TRAIL

Developer Contact Person/Phone: LARRY WEBER 921-3914

Approximate Total Acreage: 1.00

Inspector: SPIKE COOK

Inspection Date: 8/7/03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: TOO P.E. TO HAVE CONTR. INSTALL
SILT FENCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SARASOTA COUNTY ANIMAL SHELTER

Location: 2350 BEE RIDGE RD.

Developer Contact Person/Phone: HARVEY WEAVER 365-7777

Approximate Total Acreage: 3.50

Inspector: SPIKE COOK

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: REPAIR & REPLACE SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SARASOTA HOSPICE

Location: 5955 RAND BLVD.

Developer Contact Person/Phone: ART ALTENDORFER 377-9178

Approximate Total Acreage: 3.25

Inspector: SPAKE COOK

Inspection Date: 7/31/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

FPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: STARBUCKS/AMNSOUTH BANK

Location: ROBIN WAY & CLARK RD.

Developer Contact Person/Phone: MARK SULLIVAN 813-880-9106

Approximate Total Acreage: 1.50

Inspector: SPIKE COOK

Inspection Date: 7/31/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SYNCAST PORSLAND-AUD- V W

Location: 45 YI SOUTH OF PROCTOR RD.

Developer Contact Person/Phone: LARRY WEBER 921-3914

Approximate Total Acreage: 8.00

Inspector: SPIKE COOK

Inspection Date: 7/31/03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES / NO

Erosion Problems: NEED TO REPAIR & REPLACE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: TWIN LAKES PARK BUILDING ADDITION

Location: CLARK RD & 1316 RD.

Developer Contact Person/Phone: RUSSELL KUER 371-6362

Approximate Total Acreage: 124.00

Inspector: SPIKE COOK

Inspection Date: 7/31/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: UPPERS BMW & LAND ROVER

Location: CLARK RD. & ROSIN WAY

Developer Contact Person/Phone: STEVE HOUGHTON 927-0834

Approximate Total Acreage: .50

Inspector: SPIKE COOK

Inspection Date: 8/7/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VILLAGE WALK TOWN CENTER

Location: HONORE AVE.

Developer Contact Person/Phone: MILLARD YODER 907-6900

Approximate Total Acreage: 3.00

Inspector: SPIKE COOK

Inspection Date: 8/7/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: REPAIR & REPLACE - TOLD ENG. REP.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: MOCKINGBIRD PLACE SUBDIVISION

Location: 6101 HONORE AVE.

Developer Contact Person/Phone: ART ALTENDORFER 377-9178

Approximate Total Acreage: 4.50

Inspector: SPIKE COOK

Inspection Date: 8/7/03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES / NO

Erosion Problems: NEED TO REPAIR & REPLACE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PARKSTONE SUBDIVISION

Location: SAWYER RD. - SOUTH OF BEE RIDGE RD.

Developer Contact Person/Phone: APRIL REICH
MTB CONSULTANTS 922-8187

Approximate Total Acreage: 14.00

Inspector: SPINKE COOK

Inspection Date: 8/8/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SEABREEZE CONDO

Location: 9008 MIDNIGHT PASS RD.

Developer Contact Person/Phone: LARRY LAPORTE 371-9653

Approximate Total Acreage: .50

Inspector: SPIKE COOK

Inspection Date: 8/1/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: TOLD G.C. TO REPAIR & REPLACE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SEA GROVE

Location: 6400 MIDNIGHT PASS RD.

Developer Contact Person/Phone: MILLARD YODER 907-6900

Approximate Total Acreage: 3.00

Inspector: SPIKE COOK

Inspection Date: 7/31/03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES / NO

Erosion Problems: TOLD ENG. REP. TO REPLACE ALL
THE DOWN SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: TUSCANA SUBDIVISION

Location: PROCTOR RD. - EAST OF I-75

Developer Contact Person/Phone: RALPH RHODES 371-9420

Approximate Total Acreage: 54.00

Inspector: SPIKE CASH

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: ☒ YES / ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VILLAGE WALK PHASES 2A & 2B

Location: HONORE AVE.

Developer Contact Person/Phone: MILLARD YODER 907-6900

Approximate Total Acreage: 145.00

Inspector: SPIKE COOK

Inspection Date: 8/8/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: TOLD ENG. REP. TO REPAIR &
REPLACE SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HONORE CROSSING

Location: HONORE AVE. - NORTH OF ASHTON RD.

Developer Contact Person/Phone: RALPH RHODES 371-9420

Approximate Total Acreage: 5.00

Inspector: JOHN COOK

Inspection Date: 8/8/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: TOLD P.C. TO HAVE G.C. REPAIR

ALL DAMAGED SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VILLAGE WALK PH. 4A

Location: HONORE AVE.

Developer Contact Person/Phone: MILLARD YODER 907-6900

Approximate Total Acreage: 45.00

Inspector: SPIKE COOK

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO ☐

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SUN HONDA

Location: US 41 & CASS WAY

Developer Contact Person/Phone: CARL REICH 922-8187

Approximate Total Acreage: 5.50

Inspector: SPIKE COOK

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: WIEDER OFFICE BLDG.

Location: _____

Developer Contact Person/Phone: LARRY LIPPEN 371-9653

Approximate Total Acreage: .50

Inspector: SPIKE COON

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BAYWOOD COLONY OFFICE BLDG.

Location: _____

Developer Contact Person/Phone: DAVID HOWARD 750-9130

Approximate Total Acreage: 1.50

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PALMER RANCH DETACHED RETAIL

Location: PALMER RANCH PKWY & HONORS AVE.

Developer Contact Person/Phone: RON MURKIN 727-789-9500

Approximate Total Acreage: 1.00

Inspector: SP/KE COOK

Inspection Date: 8/8/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: TOLD G.C. TO REPAIR & REPLACE
SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ROBIN WAY OFFICE BLDG.

Location: ROBIN WAY & CLARK RD.

Developer Contact Person/Phone: STEVE HOUGHTON 927-0834

Approximate Total Acreage: 1.10

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: MARBLEHEAD

Location: LORDS AVE.

Developer Contact Person/Phone: LARRY LIAPERT 371-9653

Approximate Total Acreage: .25

Inspector: SPIKE COOK

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FLOORS BY DESIGN

Location: 6969 SO. TAMiami TRAIL

Developer Contact Person/Phone: JOHN MINDER 342-6232

Approximate Total Acreage: 1.00

Inspector: SP/KE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: 4520 COMPLEX

Location: 4520 HUNTON RD.

Developer Contact Person/Phone: LYAN TOWNSEND 795-8710

Approximate Total Acreage: .75

Inspector: SPENCER COOK

Inspection Date: 8/4/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: TOLD GC. TO REINSTALL SLOPE FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ACADEMY FOR CANINE EXCELLENCE

Location: SUGAR BOWL RD.

Developer Contact Person/Phone: SHAWN LEWIS 377-9178

Approximate Total Acreage: 14.00

Inspector: SPMS COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BEERIDGE WRF EXPANSION

Location: IONA RD & DELFT RD.

Developer Contact Person/Phone: _____

Approximate Total Acreage: +30.0

Inspector: SPIKE COOK

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: NEED TO MAINTAIN & REPLACE

SILT FENCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOTANICA AT PALMER RANCH

Location: HONORE AVE. & PALMER RANCH PKWY.

Developer Contact Person/Phone: KIRCEY-HORN 922-8187

Approximate Total Acreage: 24.00

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ELM EUROPEAN SALON

Location: 1971 DEBBIE ST

Developer Contact Person/Phone: LARRY WEBER

Approximate Total Acreage: 1.00

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HONORE AVE., PH. 1

Location: HONORE AVE. INSIDE LANES

Developer Contact Person/Phone: MITCH MCNIGHT

Approximate Total Acreage: ± 25.00

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PALMCRE SQUARES

Location: SARASOTA SQUARES BLVD.

Developer Contact Person/Phone: CARL RITCH

Approximate Total Acreage: ± 12.00

Inspector: SPIKE COOK

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SARASOTA HOUSEHOLD HAZARDOUS WASTE FACILITY

Location: 2350 BEE RIDGE RD.

Developer Contact Person/Phone: POST BUCKLEY

Approximate Total Acreage: ± 1.00

Inspector: SPIKE COOK

Inspection Date: 5/11/03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

Land Development Services
Erosion and Sediment Control Checklist

Project Name: SOUTH LAKE CONDOS

Location: 5112 ASHTON RD.

Developer Contact Person/Phone: HOVAN WEINBERG 955-8948

Approximate Total Acreage: 23.00

Inspector: SPIKE COOK

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: NEED TO KEEP SILT FENCE MAINTAINED.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: SALERNO ESTATES

Location: HONORE AVE - SOUTH OF PROCTOR RD.

Developer Contact Person/Phone: LARRY WEBER

Approximate Total Acreage: ± 8.00

Inspector: SPIKE COOK

Inspection Date: 7/30/03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES / NO

Erosion Problems: NEED TO REPAIR & REPLACE SID FENCE.

FPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VILLAGES @ PINETREE - SPRUCE PINE ENCLAVE

Location: PALMER BLVD. / SOUTH WEST OF DEBBESEN RD.

Developer Contact Person/Phone: BILLY SPRINGER - (941) 371-6327

Approximate Total Acreage: 47.41

Inspector: C. JACOBSON

Inspection Date: 7/28/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: YES - DEWATERING LAKE INTO SEDIMENT SUMP -

TURBID WATER LEAVING SEDIMENT SUMP AND INTO PRESERVE AREA. CONTR.
SUPERINTENDENT NOTIFIED AS WELL AS E.O.R.

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: CONTRACTOR FAILING TO MAINTAIN EROSION/BMP'S IN
COUNTY DITCH IN R.O.W.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ARBOR THicket
Location: RICHARDSON RD - WEST OF
Developer Contact Person/Phone: GREG TOPE 371-7070 / 376-7070 CELL#
Approximate Total Acreage: 20.27
Inspector: C. JACOBSON
Inspection Date: 8/6/03

Erosion and Sediment Controls in Place: YES / NO -

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: WASH OUTS AROUND MITERED END @ CANAL - EROSION INTO
CONVEYANCE SWALE - NO STABILIZATION - CONTACTED E.O.R. - LEFT MSG. CALLED
CONTRACTOR/DEVELOPER - NO ANSWER - NO VOICE MAIL/NO ANSWERING MACHINE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ALL AMERICAN HEATING & COOLING INC.
Location: GLOBAL
Developer Contact Person/Phone: MARK GOLLNICK^{PE} - H.G.E.L.L. - 371-9653
Approximate Total Acreage: _____
Inspector: C. JACOBSON
Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: EROSION GOING INTO COUNTY DRAINAGE SWALE, CONTACTED
G.C. TO REPAIR OR REPLACE SILT FENCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: AMERICAN MINI SELF STORAGE

Location: 6921 PROFESSIONAL

Developer Contact Person/Phone: BANKS ENGINEERING 343-0585

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: SILT FENCE IN DISREPAIR - CALLED ^{ENG.} G.G. TO HAVE REPAIRED

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: AVANTI PROFESSIONAL CENTER

Location: 3030 UNIVERSITY PRKWAY

Developer Contact Person/Phone: CYRIL ENG-MARK PRIVETTE, P.E. - 350-8812

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES / NO

Erosion Problems: SILT FENCE IN DISREPAIR - WASHOUT/EROSION INTO
COUNTY DRAINAGE DITCH ALONG UNIVERSITY PRKWAY.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BEE RIDGE MANOR

Location: 2937 BEERIDGE RD.

Developer Contact Person/Phone: H.G. ELLIOTT P.E., 311-

Approximate Total Acreage: _____

Inspector: C. JACKSON

Inspection Date: 6/03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: NO ACTIVITY

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BEERIDGE PARK OF COMMERCE

Location: BEERIDGE RD./NORTH OF MAUNA LOA BLVD.

Developer Contact Person/Phone: REX HORTON/HOWARD HORTON 371-7000

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: ~~5/11/03~~ 6/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: SILT FENCE DOWN - CONTACTED SUPERINTENDENT
FOR SITE CONT. TO REPLACE AND REPAIR

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BLUE SKY LANDSCAPING

Location: 9981 FRUITVILLE RD.

Developer Contact Person/Phone: STEVEN M. HOUGHTON, P.E. 927-0834

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 5/03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ELKS LODGE

Location: N. LOCKWOODRIDGE RD.

Developer Contact Person/Phone: AM ENGINEERING - ART ALTENDORFER 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: YES NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: EVIES FAMILY CARWASH

Location: REEPIDGE RD

Developer Contact Person/Phone: STEVEN M. HOUGHTON PE

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/11/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ☒ YES ☐ NO

Erosion Problems: REPAIR OR REPLACE SILT FENCE

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FRUITVILLE ANIMAL CLINIC

Location: HONORE AVE.

Developer Contact Person/Phone: TOWNSEND ASSOCIATES -

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 5/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FRUITVILLE BUSINESS CENTER

Location: 106 CATTLEMEN RD. @ FRUITVILLE

Developer Contact Person/Phone: A.M. ENGINEERING - SHAWN LEINS P.E. 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 6/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: GLOBAL BUSINESS CENTER
Location: 1500 GLOBAL COURT - SARASOTA WTL. TRD. CNTR NORTH PH. I
Developer Contact Person/Phone: A.M. ENGINEERING - SHAWN LEWIS P.E. - 977-9178
Approximate Total Acreage: _____
Inspector: C. JACOBSON
Inspection Date: 5/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: EROSION IN SWALES ALONG GLOBAL CT. DUE TO
SILT FENCE NOT MAINTAINED.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: IRONWOOD BUSINESS CENTER

Location: INTERNATIONAL PLACE/LAKWOOD RANCH

Developer Contact Person/Phone: CAVOLI ENGINEERING - JOHN CAVOLI, P.E.

Approximate Total Acreage: _____

Inspector: C. Jacobson

Inspection Date: 5/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: LAKEWOOD RANCH CORP. PK. UN6, PH. 2, LOT 3
Location: 6851 PROFESSIONAL PKWY WEST
Developer Contact Person/Phone: A.M. ENGINEERING - SHAWN LEWIS, P.E. - 377-9178
Approximate Total Acreage: _____
Inspector: C. JACOBSON
Inspection Date: 8/10/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: SILT FENCE IN DISREPAIR - NEED TO REPAIR AND
REPLACE AS NECESSARY

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: LAKEWOOD RANCH CORP. PRG. PH. 2, PH. 2, LOT 3

Location: INTERNATIONAL PLACE

Developer Contact Person/Phone: A.M. ENGINEERING - SHAWN LEINS, P.E. 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: LAKEWOOD RANCH CORP. PR. LN 3-C, PH I

Location: COMMUNICATION WAY

Developer Contact Person/Phone: WILSON MILLER - SCOTT MCKENNA P.E.

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: SILT FENCE IN DISREPAIR - EROSION INTO RETENTION POND -
TURBID WATER FLOWING INTO WETLAND - ^{INFORMED} ~~CAUSED~~ ENG.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: NORTH COUNTY LIBRARY

Location: NEWTOWN BLVD.

Developer Contact Person/Phone: A.L. VAN BUSKIRK, PE.

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: NO ACTIVITY

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PHOTO-TECH, INC.

Location: 4440 FRUITVILLE RD.

Developer Contact Person/Phone: A.M. ENGINEERING.

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 6/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PK DRYWALL

Location: BLAIE COURT - SARASOTA INTL. TRD. CTR - UN. 4, PH. 2

Developer Contact Person/Phone: A.M. ENGINEERING - SHAWN LEWIS, P.E. 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: ~~YES~~ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: ~~YES~~ NO

Erosion Problems: SILT FENCE IN DISREPAIR - ~~REPAIR~~ REPAIR/REPLACE
NOTIFIED G.C.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: R G B WAREHOUSE

Location: NORTAGATE BLVD.

Developer Contact Person/Phone: HEDJ ENGINEERING - HERMAN WEINBERG, P.E. - 955-9948

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ANN'S SUBDIVISION

Location: 6630 PORTER RD. - ISLAND CREEK WAY

Developer Contact Person/Phone: HEDJ ENG. - HERMAN WEINBERG, P.E. - 955-9948

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 6/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) / NO

Erosion Problems: SILT FENCE INSTALLED BACKWARDS - DEWATERING
FOR RETENTION POND VERY TURBID - CONTACTED G.C. - HEN CONSTRUCTION
REX HORTON - 371-7000

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ARBOR THicket S/D
Location: RICHARDSON RD/WEST OF
Developer Contact Person/Phone: GREG TOPE-DEVELOPER- 371-7070
STEVEN M. HOUGHTON, P.E. 927-0834
Approximate Total Acreage: _____
Inspector: C. JACOBSON
Inspection Date: 8/6/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: MAJOR EROSION AROUND MITER- END @ CANAL- NORTHSIDE OF
PROJECT - EROSION GOING INTO STORM ^{SWALE} ~~WATER~~ INLET- GOING INTO CANAL- ^{TRIED TO} ~~CONTACTED~~
MR. TOPE- 376-7070- NO VOICE MAIL- ^{CELL #} 371-7070-OFFICE #

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HAMMOCKS S/D PH. II

Location: IONA RD.

Developer Contact Person/Phone: AM ENG. - SHAWN LEINS, P.E. 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 5/03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: NEWBURN VILLAGE
Location: HONDRE AVE & 17TH ST - SOUTH EAST OF INTERSECTION
Developer Contact Person/Phone: WEBER ENG - LARRY WEBER, P.E. 921-3914
Approximate Total Acreage: _____
Inspector: C. JACOBSON
Inspection Date: 6/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NEED TO FINISH INSTALLING SILT FENCE.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: DOOLEY & MACK OFFICE BLDG.

Location: PROFESSIONAL PKWY WEST @ LAKEWOOD RANCH BLVD.

Developer Contact Person/Phone: H.G. ELL. - LARRY LIPPERT, PE - 371-9653

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/12/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: EROSION AND SEDIMENT LEAVING SITE AND GOING INTO WETLAND. SILT FENCE NOT MAINTAINED. TURBID WATER LEAVING SITE AND GOING INTO WETLAND. G.C. & ENGINEER NOTIFIED.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOB EVANS RESTAURANT

Location: CATTLEMEN RD @ FRUITVILLE RD.

Developer Contact Person/Phone: THOMAS E. MOYRE P.E.

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 7/03

Erosion and Sediment Controls in Place: ☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PARKRIDGE

Location: UNIVERSITY PKWY / EAST OF LOCKWOOD RIDGE RD.

Developer Contact Person/Phone: HEIDT & ASSOC., BRIAN CALE, P.E.

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/8/03

Erosion and Sediment Controls in Place: (YES) NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: (YES) NO

Erosion Problems: SILT & TURBID WATER LEAVING SITE AND INTO BACKYARDS
OF CEDAR CREEK RESIDENCES - CONTACTED JOHN HUFFER - PROJECT MANAGER FOR
SITE CONTRACTOR - SUPERINTENDENT ON SITE WITHIN 15 MIN. - INTERMEDIATE
WORK STARTED IMMEDIATELY -

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: TILTON BUILDING

Location: INDEPENDENCE BLVD - NORTHGATE CENTER

Developer Contact Person/Phone: APPLIED TECHNOLOGY - WILLIAM HOUGHTON, P.E. 484-8514

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 6/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: LAKEWOOD RANCH GARDEN OFFICE PARK PH. II

Location: MERCHANTS COURT

Developer Contact Person/Phone: AM ENGINEERING - SHAWN LEINS, PE. 377-9178

Approximate Total Acreage: _____

Inspector: C. JACOBSON

Inspection Date: 8/03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Bob Evers

Location: Jacobs BLU.

Developer Contact Person/Phone: M-S-CONSULTANTS 951-0252

Approximate Total Acreage: 4 Acres

Inspector: CHUCK ALLEN

Inspection Date: 2-25-03

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Pelican Point Unit 10-11-9

Location: CENTER RD.

Developer Contact Person/Phone: K. Howard Sanders 484-6422

Approximate Total Acreage: 500.0441

Inspector: CHUCK ALLEN

Inspection Date: 7-25-03

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: DICKHURST Harbor Condominium

Location: 41 SOUTH

Developer Contact Person/Phone: LAN DORSTEN 410-507-5276

Approximate Total Acreage: 2.0 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place:

YES / ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Sorrento East Office Site

Location: Charlin Dr. & 41st South

Developer Contact Person/Phone: Oregana Const. 923-5486

Approximate Total Acreage: 2.0 Acres

Inspector: CHUCK ALLEN

Inspection Date: 1-22-03

Erosion and Sediment Controls in Place:

YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Sorrento Village

Location: Old To Miami Trail

Developer Contact Person/Phone: Heidi 955-9940

Approximate Total Acreage: 1.86 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-07

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VENETIA OYSTERES Phase 5

Location: 16.41 & WOODHURST PARK DRIVE

Developer Contact Person/Phone: FAUSTO QUARTELLI PH. 770-8018272

Approximate Total Acreage: 321.4 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 2-22-03

Erosion and Sediment Controls in Place:

YES / ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES / NO

Erosion Problems: ? we had some problems but they were took care of.

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Pelican Point Clubhouse

Location: Center Rd. Horse Chase Blvd.

Developer Contact Person/Phone: SAM Rogers 496-4653

Approximate Total Acreage: 2.0 Acres.

Inspector: CHUCK ALLEN

Inspection Date: 2-22-03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Fairway Corridor AT St Andrews Park

Location: Cedar Rd.

Developer Contact Person/Phone: JOHN J. 458-5544

Approximate Total Acreage: 3.83 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place:

☒ YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Willow Bend Phase 2A

Location: 41 South at Blackhawk Rd

Developer Contact Person/Phone: Lee Weatherington 922-3480

Approximate Total Acreage: 4.42 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO ☐

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☐ NO ☒

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HUDSON FURNITURE

Location: 8770 TANNIN TRAIL SEYD

Developer Contact Person/Phone: HUDSON FURNITURE 407-291-9000

Approximate Total Acreage: 1.246 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 7-22-07

Erosion and Sediment Controls in Place: YES / ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ~~NO~~

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: MOMA Leone's Plaza

Location: Guy F Ave. 25 41

Developer Contact Person/Phone: Heidi 955-9948

Approximate Total Acreage: _____

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HOOBIEB INN

Location: 41 South

Developer Contact Person/Phone: DOUG CLARKE 966-7604

Approximate Total Acreage: 1.035 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: WedgeWood Commons Corb.

Location: Morgan & James St.

Developer Contact Person/Phone: William B. Houghton 484-8514

Approximate Total Acreage: 1.0 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Woodmere Apartments Addition

Location: Jacaranda Blv. Woodmere Blv

Developer Contact Person/Phone: Gallina Brothers LLC. 608-836-0909

Approximate Total Acreage: 25.0132 Acres,

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ~~NO~~

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Portofino Condominiums

Location: Center Rd.

Developer Contact Person/Phone: RAYMOND VERHOYE 377-1719

Approximate Total Acreage: 5.11 ACRES

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: OAKS TIL

Location: NORTH POINT RD.

Developer Contact Person/Phone: Taylor Woodrow 918-1977

Approximate Total Acreage: 10. Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO ☐

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☐ NO ☒

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HIDDEN DRY

Location: 2841 Bayview Dr.

Developer Contact Person/Phone: KELLOGG 941-927-7700

Approximate Total Acreage: 10. Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Black Burn Point Marina

Location: Black Burn Rd.

Developer Contact Person/Phone: LightHouse Dev. 941-346-1952

Approximate Total Acreage: 0.20 ACRES (100.0%)

Inspector: CHUCK ALLEN

Inspection Date: 2-23-02

PROJECT ON HOLD

Erosion and Sediment Controls in Place: YES ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: R.V. World

Location: 41-681-5A

Developer Contact Person/Phone: R.V. World 485-0984

Approximate Total Acreage: 9.6 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Woodmere AT Incorporated

Location: Secor Road Blvd 41504TH

Developer Contact Person/Phone: Friends Housing 923-5262

Approximate Total Acreage: 32.7 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: ☒ YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Lake Side Medical

Location: Isadora Blvd. Center Rd.

Developer Contact Person/Phone: Verice Med Center 487-1740

Approximate Total Acreage: 5.13 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES ~~NO~~

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ~~NO~~

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Jacanda Commercial Center

Location: 75 and Tequesta Blvd.

Developer Contact Person/Phone: PROFESSIONAL Eng 813-526-9007

Approximate Total Acreage: 10.0 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: OAKS ITC I AND TWO

Location: NORTH POINT RD.

Developer Contact Person/Phone: MOSBY 924-1101

Approximate Total Acreage: 55.97 acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-02

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Lancraft Building

Location: Progress Cir

Developer Contact Person/Phone: Doyle 377-8858

Approximate Total Acreage: 2.0 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Bay Street Park

Location: Bay Street off Hwy

Developer Contact Person/Phone: CEI 941) 358-8812

Approximate Total Acreage: 2.0 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES ☒ NO

PROJECT COMPLETED
SILT FENCE REMOVED.

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Veretia III IV

Location: US 41 South, West

Developer Contact Person/Phone: Veretia Dev 483-8548

Approximate Total Acreage: 100 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: Have had problems but they are
OK now.

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Jewish Community Center of Venice

Location: 6004 44th Ave N Rd.

Developer Contact Person/Phone: Amy 484-2010

Approximate Total Acreage: 2.10 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-28-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: JEE HWE COMMERCIAL PRO.

Location: POINT LOOP DRIVE

Developer Contact Person/Phone: George J 404 49

Approximate Total Acreage: 1.4 acres

Inspector: CHUCK ALLEN

Inspection Date: 7-28-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems N/A

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Phillips and Sons Landscaping
Location: Englewood - River Road.
Developer Contact Person/Phone: G.W. 475-7281
Approximate Total Acreage: 1.58 Acres
Inspector: Chuck Allen
Inspection Date: 6-18-02

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: N/A

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Unit 6 S. LFOC North Land Pond.

Location: JRC999989 BIN

Developer Contact Person/Phone: H.G. 941-371 9653

Approximate Total Acreage: 4000 SF

Inspector: QUYCK ALLEY

Inspection Date: 6-17-02

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ENGlewood Medical center Phase II
Location: STATE RD. 775 NORTH INDIANA AVE
Developer Contact Person/Phone: Eag dt Fl- Inc. 474-0899
Approximate Total Acreage: 0.55 AC
Inspector: CYRIL ALLEN
Inspection Date: 6-18-02

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOCA ROYALE Unit 8-9

Location: Englewood Rd.

Developer Contact Person/Phone: Kimley-Horn 922-8187

Approximate Total Acreage: 58-99 AC.

Inspector: Cheryl ALLEN

Inspection Date: 6-18-02

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: N/A NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Woodmere APARTMENTS

Location: Jacランダ Blvd

Developer Contact Person/Phone: PASS 1-813-282-7275

Approximate Total Acreage: 25 ACRES

Inspector: Cheryl Allen

Inspection Date: 6-18-02

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: Portofino Condominiums

Location: Carter Rd. - Venice EAST Blvd.

Developer Contact Person/Phone: RAYmond-VERHEY

Approximate Total Acreage: 5.0 AC.

Inspector: CHUCK ALLEN

Inspection Date: 8-2-02

Erosion and Sediment Controls in Place: YES ☒ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: VILLAGO JAIL PHASE 2A & 2B
Location: HONOLULU, FARMER RANCH PARKWAY
Developer Contact Person/Phone: MILLARD DOER 947-907-6500
Approximate Total Acreage: 110
Inspector: SPINO COOK
Inspection Date: RECEIVED PLANS 5/3/02

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: HAVE NOT STARTED SITE DEVELOPMENT
RESOURCE PROTECTION¹⁵ MONITORING EARTHMOVING PERMIT

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ENGLEWOOD HOSP. MODULAR OFF BLD

Location: MEDICAL BLDG

Developer Contact Person/Phone: CHRISTOPHER COLE, P.E. 743-2904

Approximate Total Acreage: 2940 SQ. FT

Inspector: M. KER

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES ☒ NO ☐ DONE

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES ☒ NO ☐

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: RIVERWALK MHP

Location: 41 SO OF RIVER RD

Developer Contact Person/Phone: ARTHUR ALTENERFER, P.E. 377-9178

Approximate Total Acreage: 3.02

Inspector: M. C. KEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: OAK FOREST

Location: 776 @ ELIN

Developer Contact Person/Phone: JOHN CAVALI, P.E. 328-7852

Approximate Total Acreage: 70.45

Inspector: T. MCKEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

BPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PLATINUM GROUP

Location: SCIBE LOT 20

Developer Contact Person/Phone: L. ERVIN STERLING PE, 365-5500

Approximate Total Acreage: 2.57

Inspector: T. JACKIE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: ☒ YES / NO

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES ☒ NO

Erosion Problems: N/A

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: PHILLIPS LANDSCAPING NO START

Location: 910 RIVER ROAD

Developer Contact Person/Phone: TERRY DENK P.E. 475-2981

Approximate Total Acreage: 1.696

Inspector: T. M. KEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: MORRIS IND. PARK LOT 18 NO START

Location: PALL MORRIS DR

Developer Contact Person/Phone: STEVE HUNSTON, P.E. 927-0834

Approximate Total Acreage: 1.408

Inspector: T. MCKEE

Inspection Date: 7-9-03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: KIMBLE LUMBER TRUSS FRANT NO START

Location: CARL MARTIN DR

Developer Contact Person/Phone: MARY SPRADUE PE 474-0899

Approximate Total Acreage: 2.669

Inspector: T. M. KEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: HEALTH PARK OF VENICE NO START
Location: CRESTWOOD DR
Developer Contact Person/Phone: TERRY DENK, P.E. 415-7987
Approximate Total Acreage: NOT GIVEN
Inspector: T. M. KEE
Inspection Date: 6-9-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

BPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FRATERNAL ORDER OF EAGLES NO START
Location: OLD ENGLEWOOD RD
Developer Contact Person/Phone: RAYMOND WELER, PE 764-6447
Approximate Total Acreage: 1.69
Inspector: T. MCKEE
Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: FRANCIS T. BOURNE JACARANDA LIBRARY

Location: WOODMERIE PARK BLVD

Developer Contact Person/Phone: ART ALTENDERFER, RE. 372-9178

Approximate Total Acreage: 10.5

Inspector: T. MCKEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ENGLEWOOD MEDICAL CENTER PH II

Location: 655 776

Developer Contact Person/Phone: MARY SPRAGUE

Approximate Total Acreage: 1.0

Inspector: J. McKee

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES NO

Erosion Problems: NO

TPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: THE CHURCH OF LATTER DAY SAINTS

Location: HANNA RD

Developer Contact Person/Phone: TIM HERSON, P.E. 629-0046

Approximate Total Acreage: 5

Inspector: T. MCKEE

Inspection Date: 7-23-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ERLICH MEDICAL OFF. BLDG NO START

Location: EXECUTIVE DR

Developer Contact Person/Phone: JOE MENEN, PE 629-2559

Approximate Total Acreage: 4.92

Inspector: T. M. KEE

Inspection Date: 7-21-03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: NO

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ENGLEWOOD CHAMBER OF COMMERCE No START

Location: HESMER # 376

Developer Contact Person/Phone: SANDRA NEWELL, P.E.

Approximate Total Acreage: . 943

Inspector: T. M. KEE

Inspection Date: 7-16-03

Erosion and Sediment Controls in Place: YES / (NO)

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES / (NO)

Erosion Problems: No _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction
Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: ENCLAVES OF VENICE NORTH

Location: VENICE AVE

Developer Contact Person/Phone: HARRY T. WEAVER, P.E. 365-4500

Approximate Total Acreage: 7.8

Inspector: T. MCKEE

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: CEDAR RIDGE NO START

Location: RIVER RD

Developer Contact Person/Phone: TOM STOVALL, PE KH 922-5187

Approximate Total Acreage: 80.3

Inspector: T. M'KEE

Inspection Date: 6-9-03

Erosion and Sediment Controls in Place: YES (NO)

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: CALDWELL / KRAUT

Location: INDIAN HILLS BLVD

Developer Contact Person/Phone: JOE MENIAL PE 629-2552

Approximate Total Acreage: 5.68

Inspector: T. MCKEE

Inspection Date: 6-9-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: _____

Erosion and Sedimentation Problems: YES NO

Erosion Problems: N/A

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: LOWE'S - Venice

Location: Shamrock Blvd. # 415.

Developer Contact Person/Phone: FIA Eng 813-880-9106

Approximate Total Acreage: 20.089 Acres

Inspector: CHUCK ALLEN

Inspection Date: 7-22-03

Erosion and Sediment Controls in Place:

☒ YES ☐ NO

Control Structure Problems: _____

Erosion and Sedimentation Problems:

YES ☒ NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOCA ROYALE UNIT 10

Location: 776

Developer Contact Person/Phone: RICHARD BUSCHE, PE 922-8187

Approximate Total Acreage: 9.3

Inspector: T. M. KEE

Inspection Date: 7-21-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BOCA ROYALE #99

Location: US 776

Developer Contact Person/Phone: TOM STOVALL KH 922-8187

Approximate Total Acreage: 58.99

Inspector: T. MCKEE

Inspection Date: 7-21-03

Erosion and Sediment Controls in Place: (YES) / NO

Control Structure Problems: NO

Erosion and Sedimentation Problems: YES (NO)

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

**Land Development Services
Erosion and Sediment Control Checklist**

Project Name: BLACKBURN RECYCLE CENTER

Location: RIVER ROAD

Developer Contact Person/Phone: WILLIAM B. HOUNGTON 484-8514

Approximate Total Acreage: 74.8

Inspector: T. McKee

Inspection Date: 6-9-03

Erosion and Sediment Controls in Place: YES / NO

Control Structure Problems: N/A

Erosion and Sedimentation Problems: YES / NO

Erosion Problems: _____

EPA NPDES Notice of Intent for Storm Water Discharges Associated with Construction

Activity Form Completed YES / NO

Storm Water Pollution Prevention Plan on Site: YES / NO

Referred to Pollution Control for Violation of Storm Water Ordinance: YES / NO

October 29, 2002

Michael Bateman, P.E., Administrator
Florida Department of Environmental Protection
NPDES Stormwater Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: Monitoring Plan for State of Florida Municipal Separate
Storm Sewer System Permit No. FLS000004

Dear Mr. Bateman:

The subject permit requires permittees to develop a monitoring plan and submit it to the Florida Department of Environmental Protection (FDEP) for review and approval. The purpose of the monitoring is to determine the effectiveness of the Stormwater Management Program (SWMP), to identify portions of the municipal separate storm sewer system (MS4) requiring additional controls, and to evaluate trends in pollutant loads discharged to waters of the state during the term of the permit.

Sarasota County encompasses parts of four watersheds and twenty-six sub-basins. The two major watersheds are greater Sarasota Bay and the Myakka River. The most valued water bodies are the coastal bays and the Myakka River, followed by many (often channelized) small tidal creeks and canals. Although Sarasota County has numerous ponds, few were naturally formed. Most were borrow pits or created for stormwater detention.

Sarasota County is proposing a two-part monitoring plan focused on identifying pollution source areas and tracking trends in pollutant loading. These monitoring plans are expected to provide data to assist in determining the effectiveness of the multitude of activities that comprise the stormwater management program.

1. Continuous Monitoring of Tributaries

Sarasota County has established an automated rainfall monitoring system (ARMS) that continuously measures rainfall and water level at 32 locations. This sophisticated flood-protection tool will be an integral part of a stream water quality monitoring program involving the deployment of data loggers at these stations. At least five meters will be rotated through the stations to continuously measure chlorophyll, turbidity, dissolved oxygen, pH, specific conductance, water depth, and water temperature.

2. Monthly Bay and River Monitoring

Since 1995, water quality monitoring has been conducted in five coastal bays and the Myakka River, as required by the MS4 permit. These water bodies were subdivided into segments and sampled and metered extensively. Monthly samples were taken from 46 random locations within these open water segments and meter readings were taken from three depths. In addition, data loggers were deployed at 2 locations per month.

These data have been essential to scientists evaluating water quality trends and pollutant loading for National Estuary Programs, the Southwest Florida Water Management District SWIM Program, the FDEP, and the United States Environmental Protection Agency. Sarasota County proposes to improve this very productive monitoring program in two ways:

The estuaries near the City of Venice have been a gap in this otherwise thorough coastal monitoring program. To fill the gap, five segments will be established in open water segments of Lyons Bay, Dona Bay, Shakett Creek, Roberts Bay, Curry Creek, the Venice inlets, and the Intracoastal Waterway canal. The existing methods, parameters and frequency of sampling will be expanded into these segments. Monitoring of this hydrologically complex area is expected to yield important information related to watershed interactions, biological communities, and pollutant loading.

The second change in this monitoring program will be an assessment focused on streamlining of methods. Fewer samples may be able to produce data of similar value at a lower cost. Adjacent segments may be combined if the data are not significantly different. Sample locations may be re-randomized, data loggers may be shifted to deployments in tributaries, and data reporting may be made more compatible with STORET.

This two-part monitoring proposal was designed to fulfill the MS4 permit requirements, as well the needs of the agencies, elected officials, and citizens concerned with water quality in our County. We expect some exciting new information about water quality from the Venice inlets area and from our many tributaries. These data will be vital to important water resource management decisions. We anticipate a spirited discussion with the FDEP Bureau of Watershed Management regarding this proposal and look forward to continued cooperation in improving our knowledge of local water resources.

A committee, representing the six co-permittees to the subject permit, have reviewed this proposal and have agreed to participate in proposing this joint monitoring program. If you have any questions, please contact me at (941) 861-0663 or at jryan@co.sarasota.fl.us, or at the above address.

Sincerely,

John Ryan
Environmental Specialist III

Enclosures

- c: David R. Bullock, Deputy County Administrator
Robert Patten, Executive Director, Environmental Services
Steve Suau, P.E., General Manager, Storm Water Planning
Theresa Connor, P.E., General Manager, Water Resources
Eric Sutton, General Manager, Natural Resources
Rick Winters, City of Sarasota
Nancy Woodley, P.E., Ph.D., City Engineer, City of Venice
Carmon Thompson, Florida Department of Transportation, District One
Tim Kelly, P.E., BCI for Florida Department of Transportation, District One
Perry Eisenach, P.E., Public Works Director, City of North Port
Juan J. Florensa, Public Works Director, Town of Longboat Key



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. St.
Secretary

July 2, 2003

Mr. John Ryan
Environmental Specialist III
Sarasota County Water Resources
1001 Sarasota Center Boulevard
Sarasota, Florida 34240

Subject: Monitoring Plan for Sarasota Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit No. FLS000004 – Approval of Monitoring Plan

Dear Mr. Ryan:

The Department is in receipt of the revised proposed stormwater monitoring plan as transmitted by your letter dated May 20, 2003. Part V.B.1.a. of your MS4 permit requires development and implementation of a monitoring plan. The Department hereby approves the monitoring plan submitted in the above referenced letter, however, we offer the following recommendations for improvement of the monitoring program.

The continuous monitoring of tributaries component of the program appears to rely solely on sampling field parameters. It is questionable whether the limited scope of this monitoring will effectively accomplish the stated goal of identifying water quality problem areas for targeting corrective actions. We recommend that more extensive water quality sampling be considered for this component of the monitoring program, with particular focus on waterbodies the Department's TMDL program has identified as potentially impaired, including Whitaker Bayou, Philippe Creek, and Curry Creek.

Additionally, the Department strongly encourages the permittees' efforts to coordinate with other monitoring programs including those of the Southwest Florida Water Management District, Mote Marine Lab, and others.

Although your plan is considered approved for implementation, a periodic review of the guidance document will enable the permittees to implement the monitoring plan in concert with the stated goals and objectives that will be expected of Florida MS4s. Please pay special attention to the section entitled "Reporting."

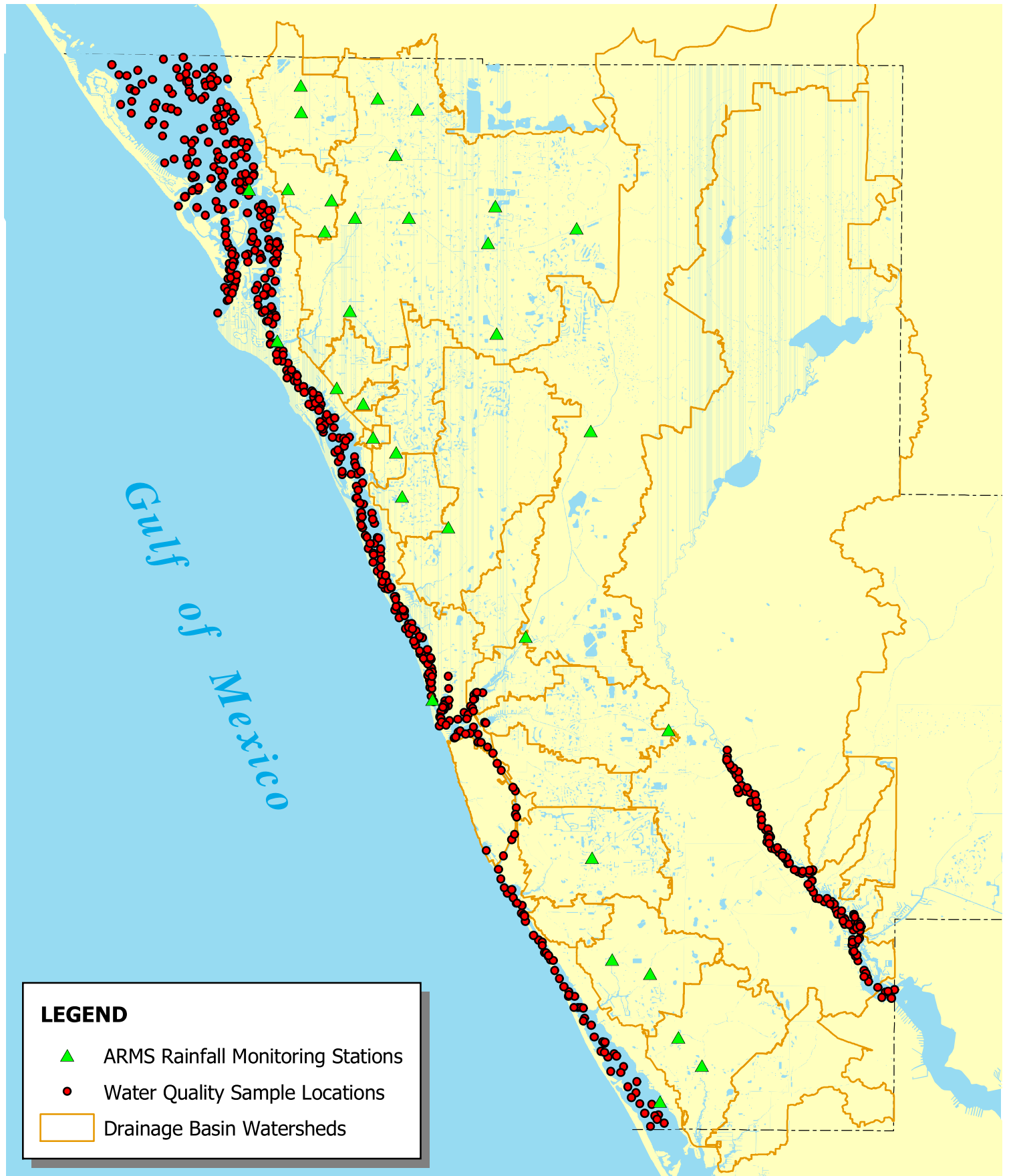
Please do not hesitate to contact me by phone at (805) 245-7520 or by email at fred.noble@dep.state.fl.us if you have any questions.

Sincerely,

Fred Noble, P.E.
NPDES Stormwater Section

cc: Michael Bateman, P.E., DEP
Tom Singleton, DEP
Max Kuker, SAIC

Monitoring Plan for Stormwater System



0 1 2 4 6 8 10 Miles

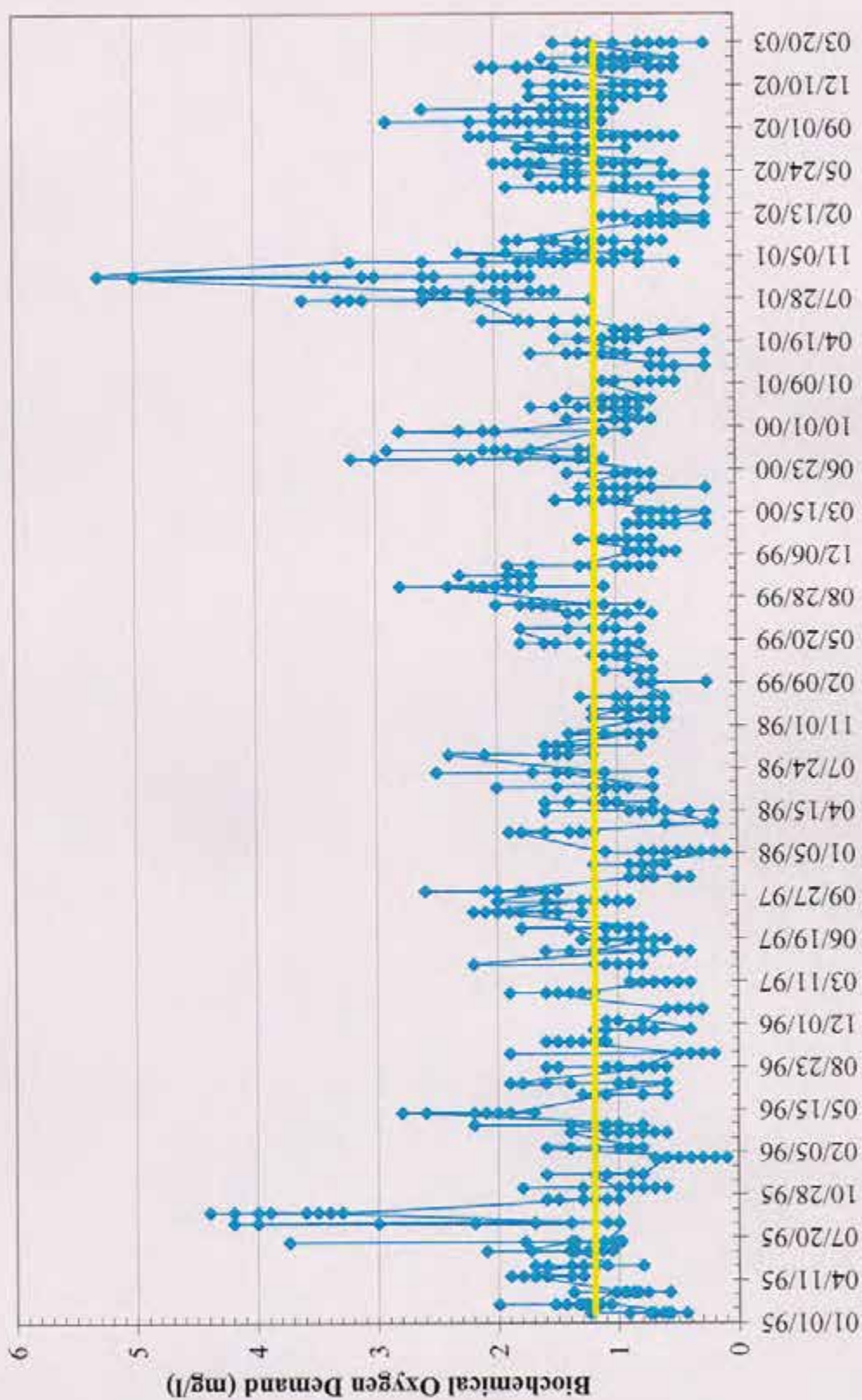
Map created by E. Brown of Sarasota County Stormwater on May 2, 2003.

\\env5\vol1\data\stormwater\user\ebrown\projects\jryan\monitoring_plan.mxd

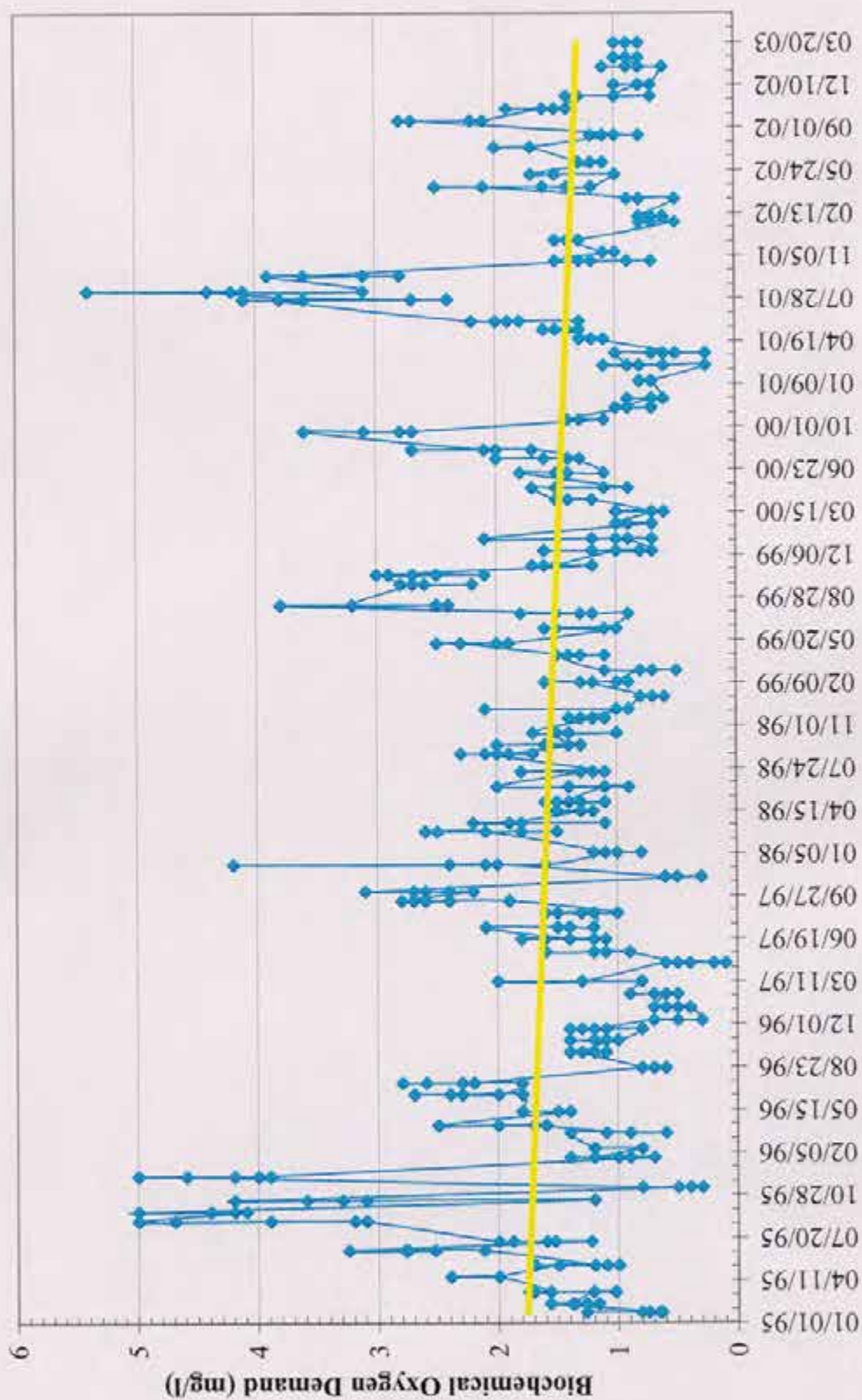
BOD Annual Fluctuations 1995-2003



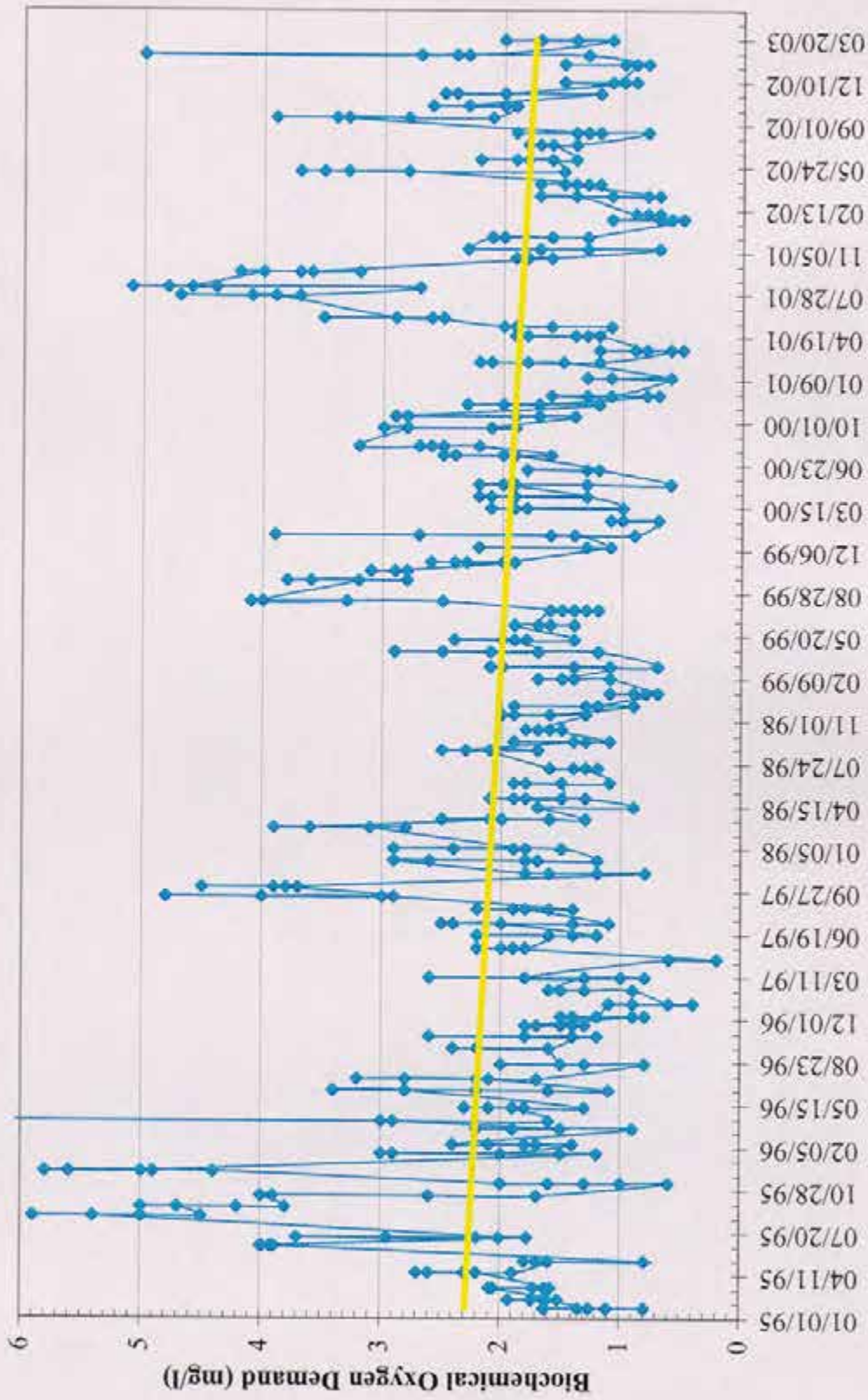
Sarasota Bay - All Data



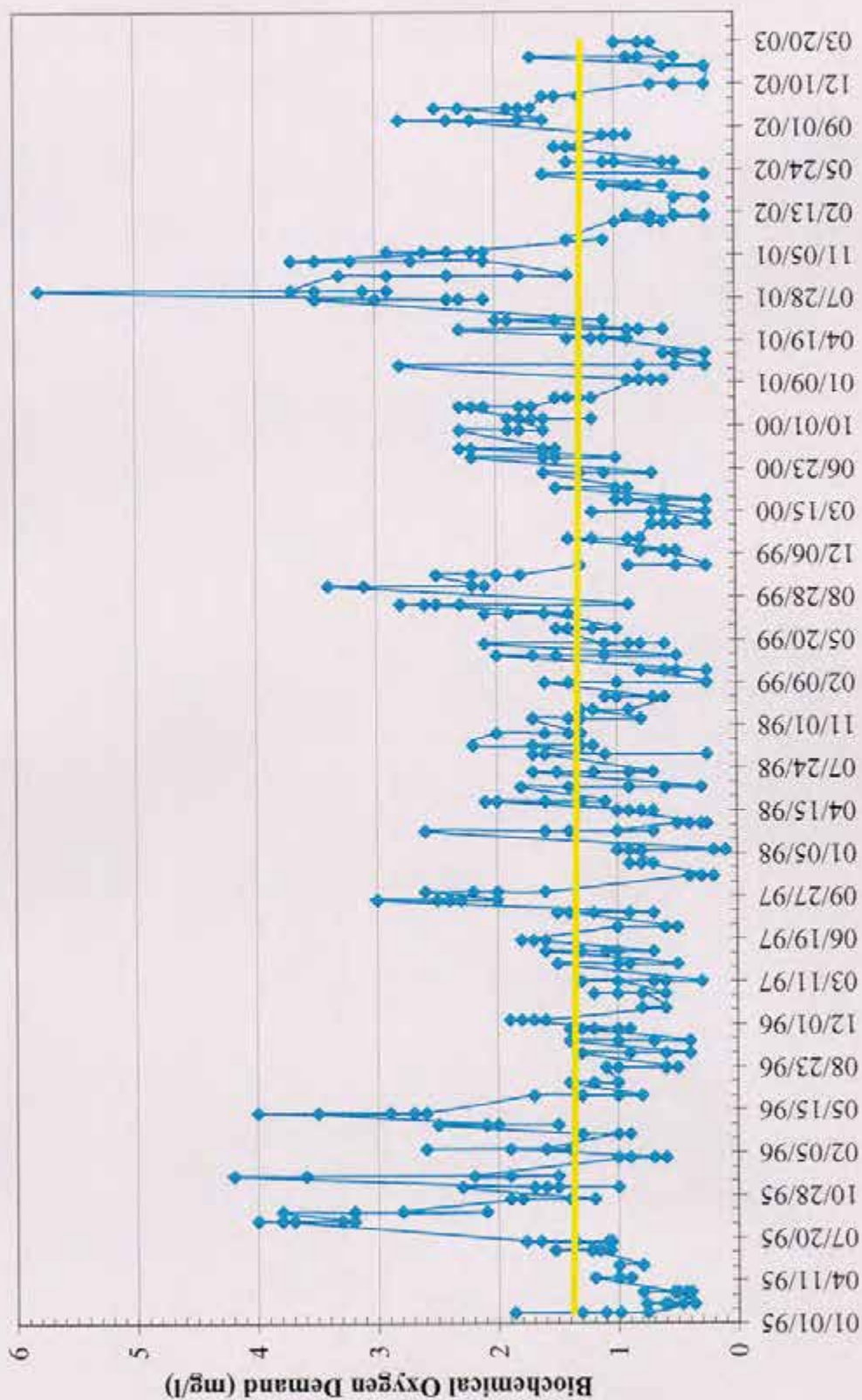
Roberts Bay (Sarasota) - All Data



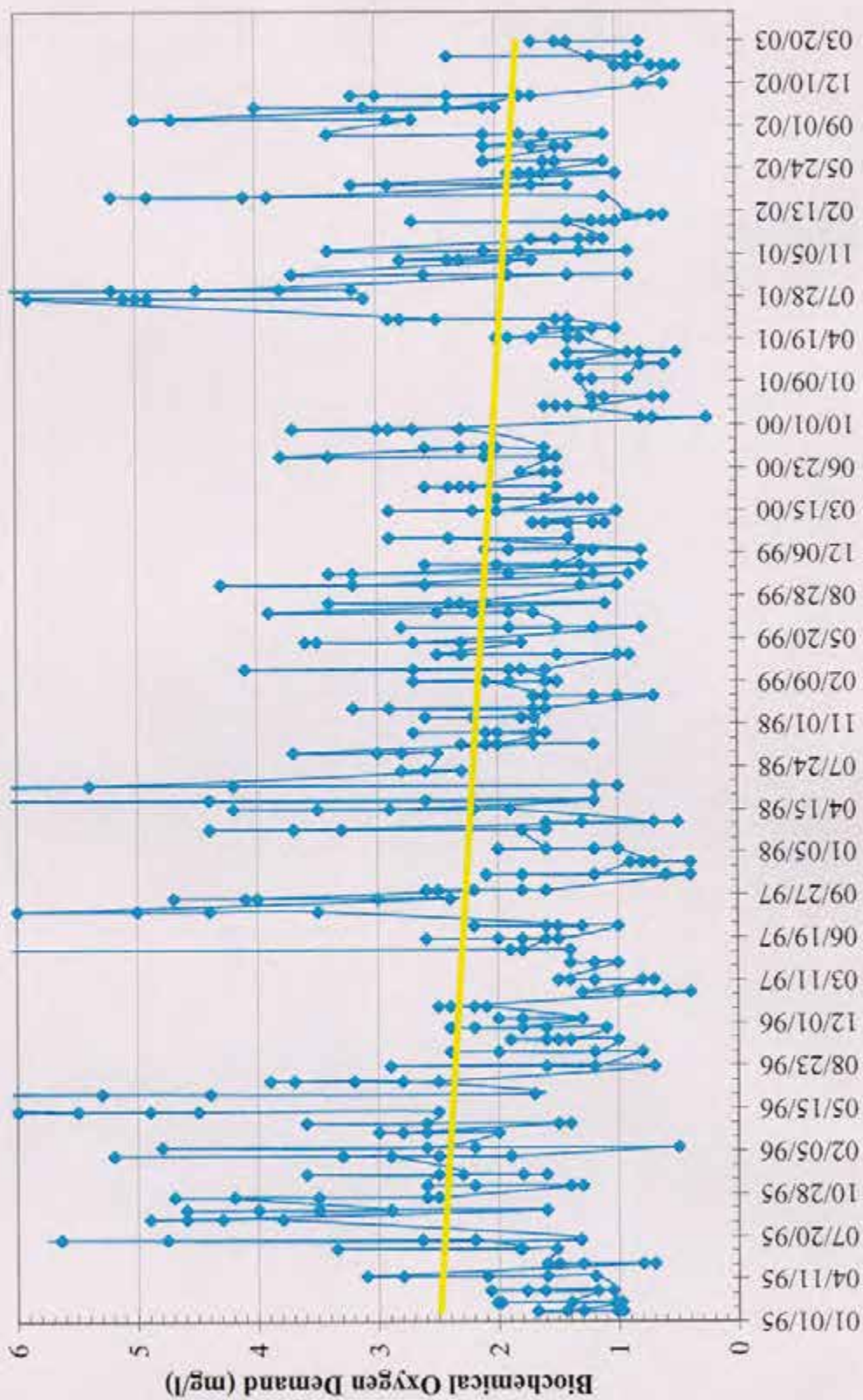
Little Sarasota Bay - All Data



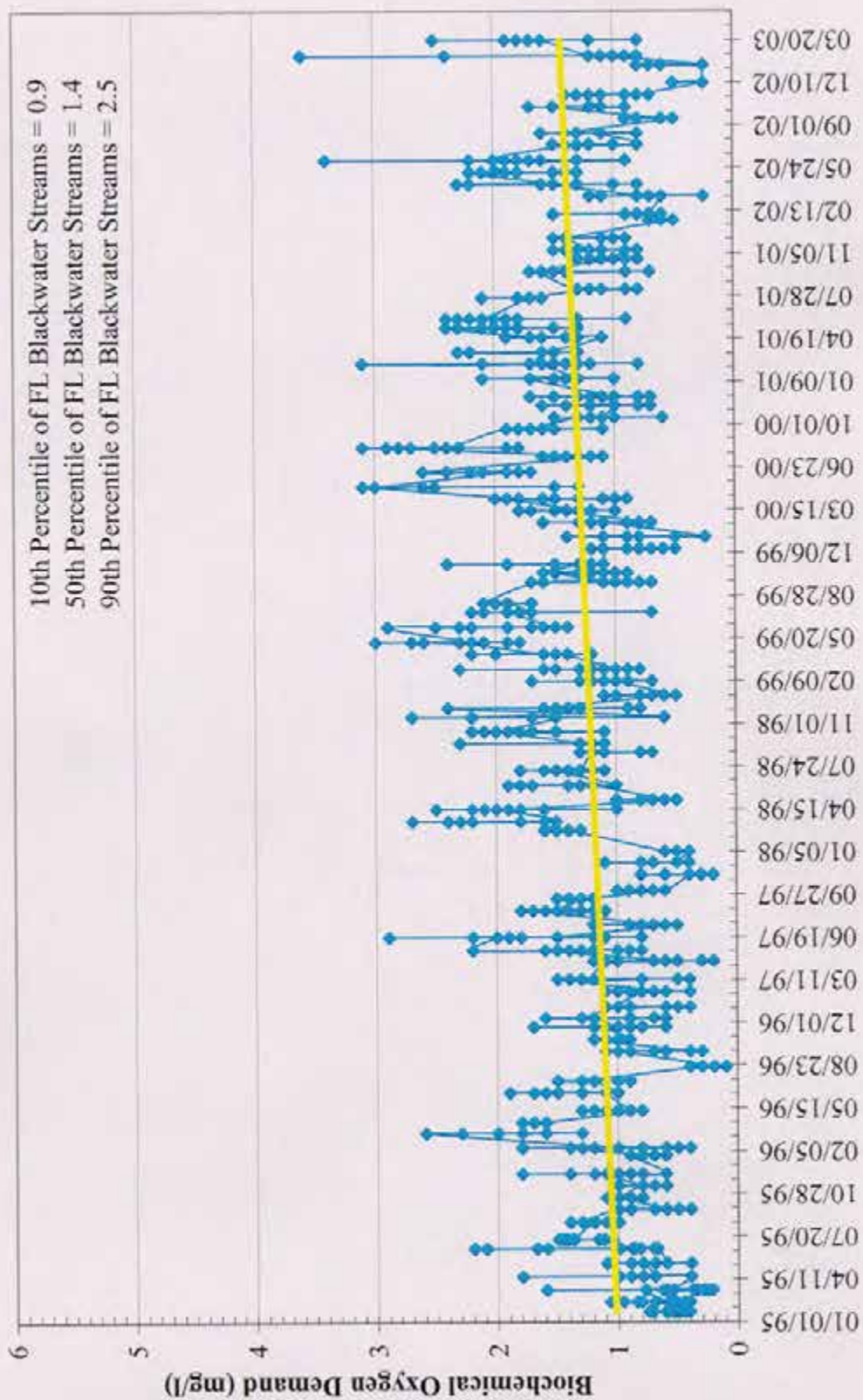
Blackburn Bay - All Data



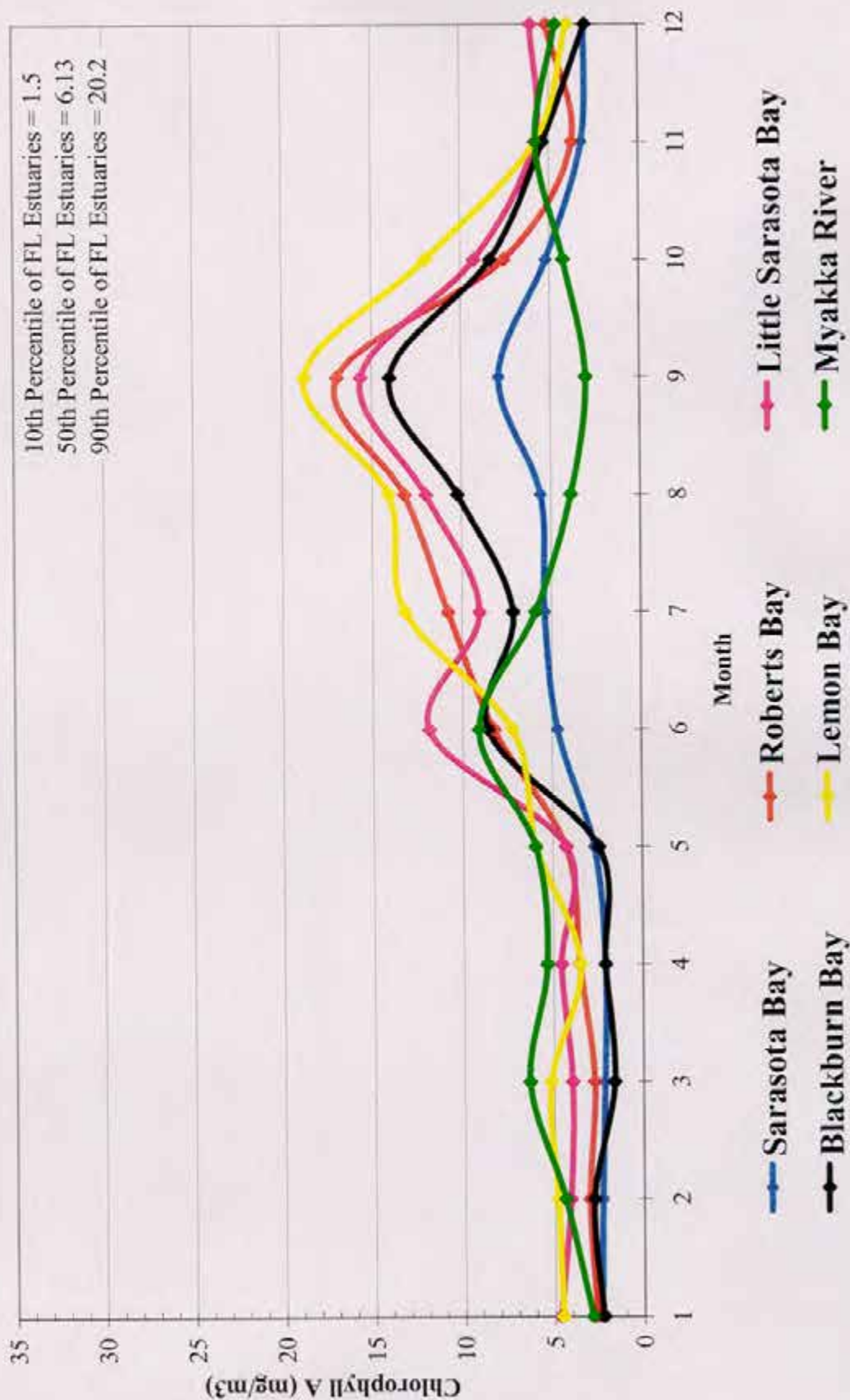
Lemon Bay - All Data



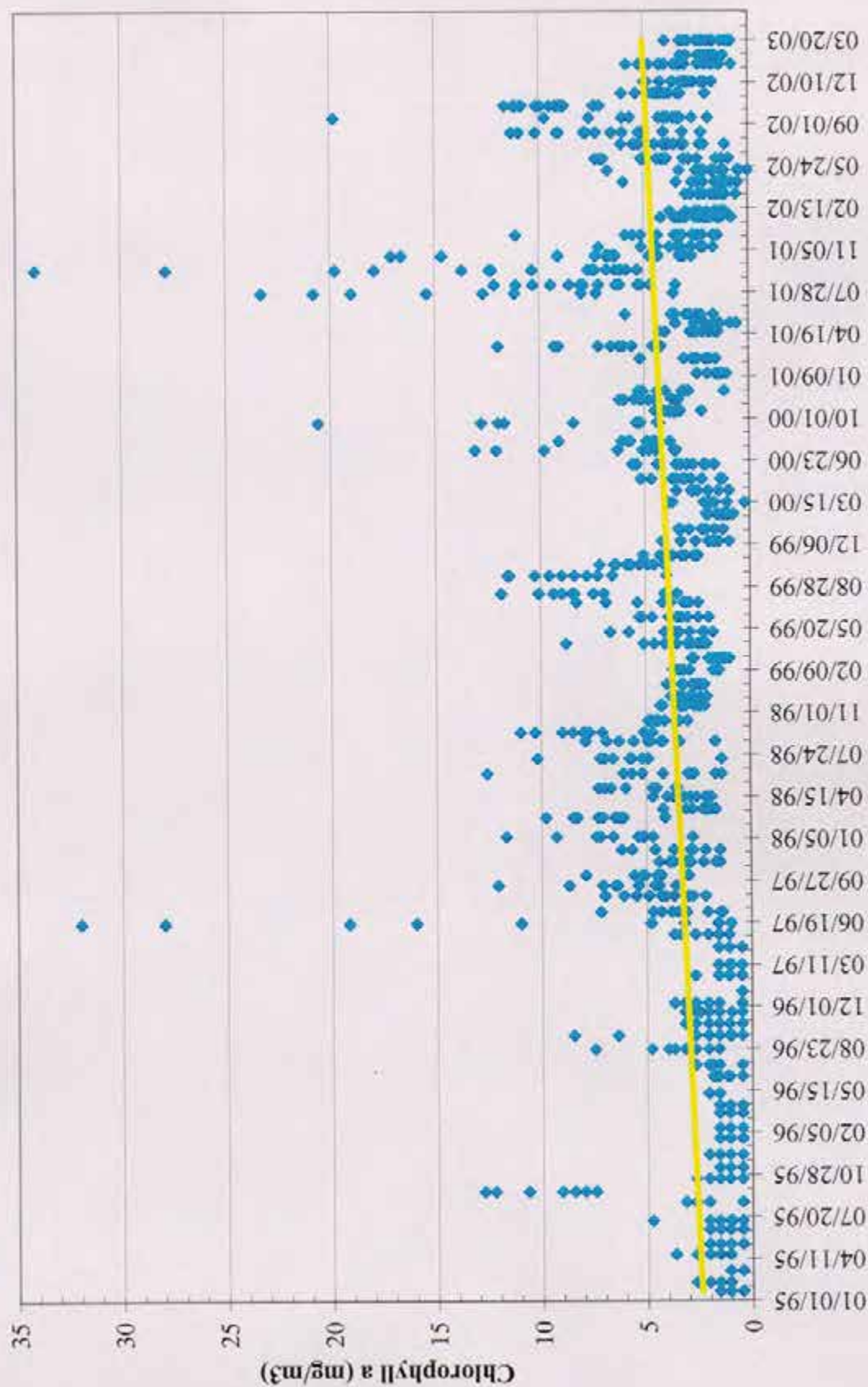
Myakka River - All Data



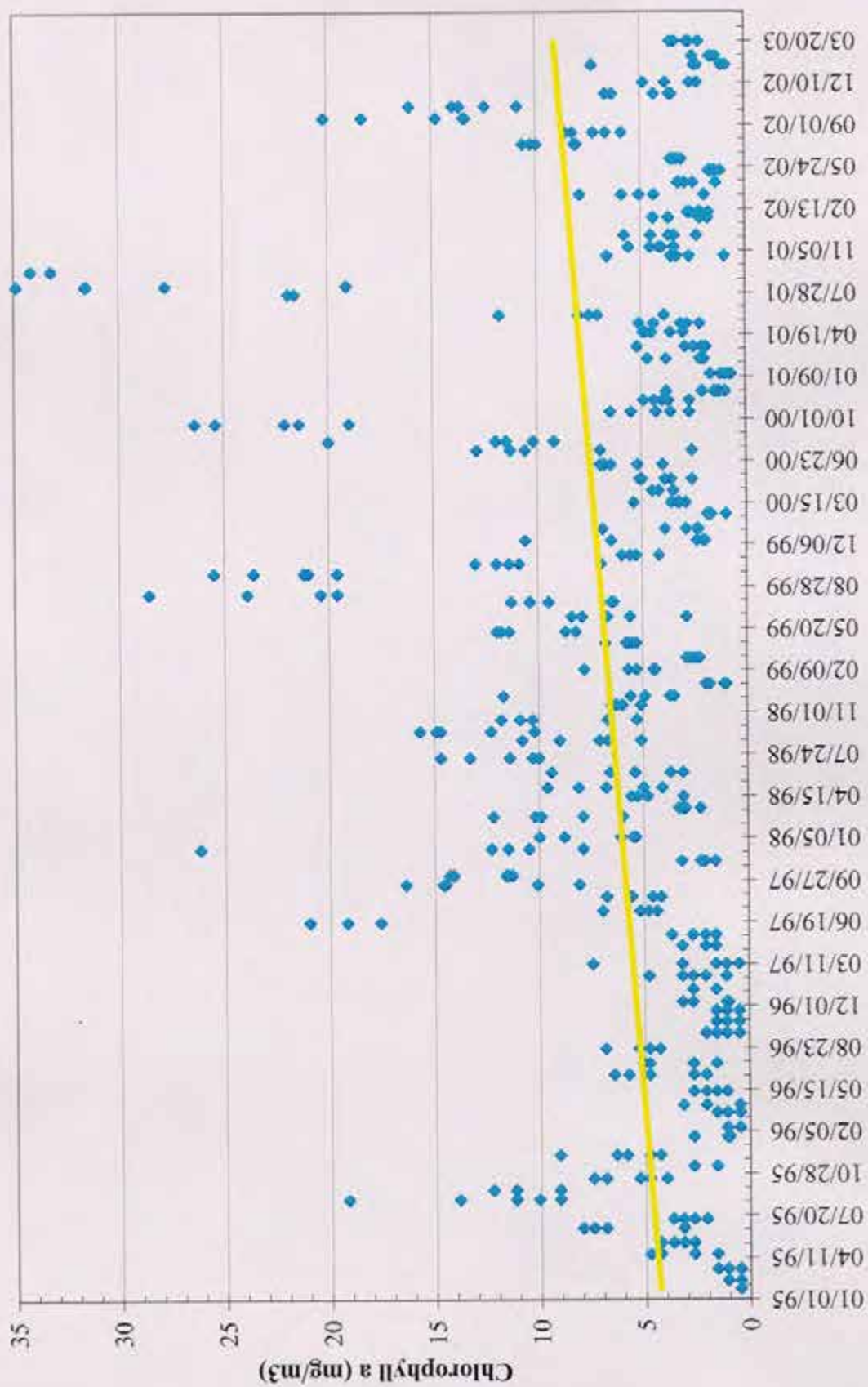
Chlorophyll-A Annual Fluctuations 1995-2003



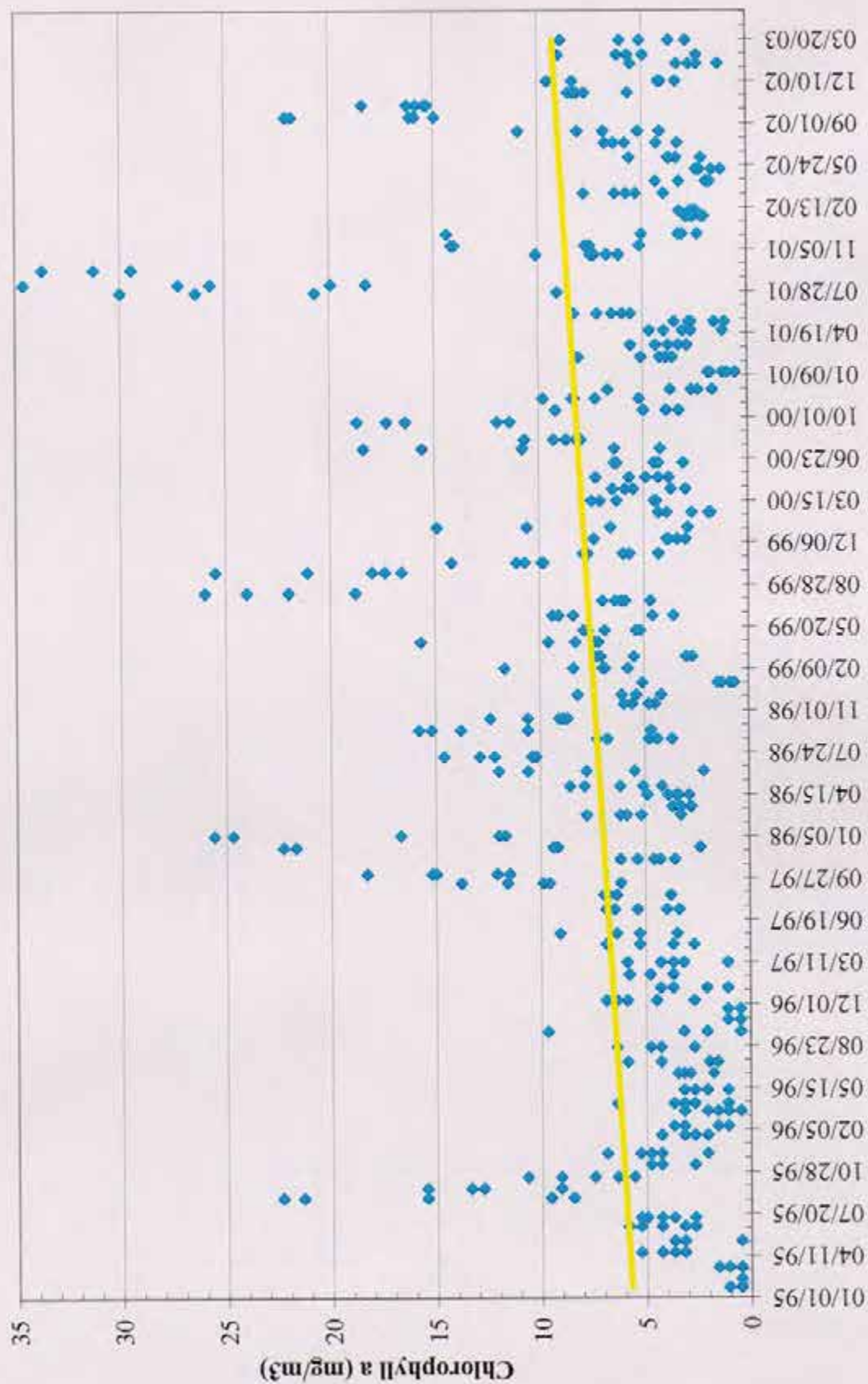
Sarasota Bay - All Data



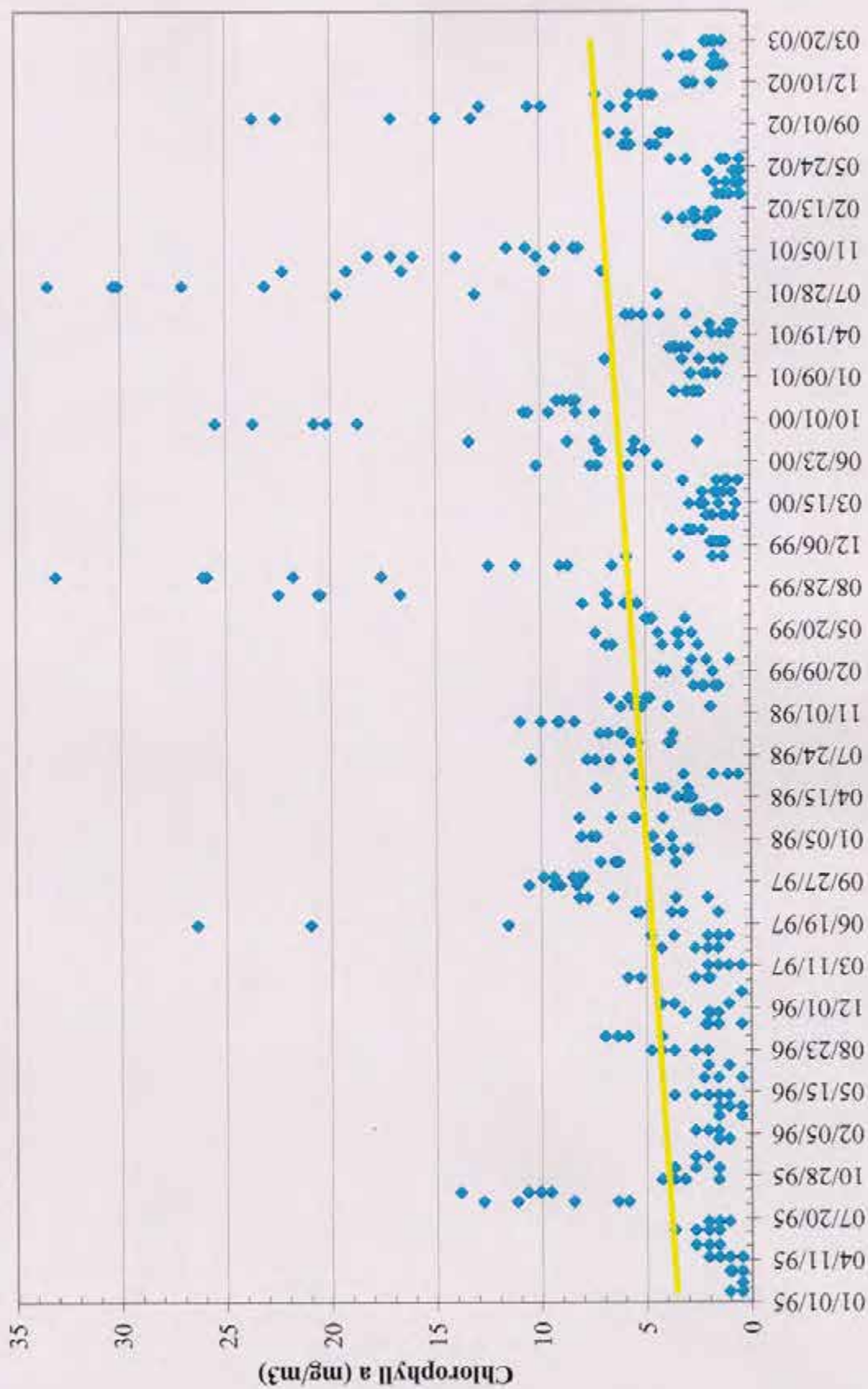
Roberts Bay (Sarasota) - All Data



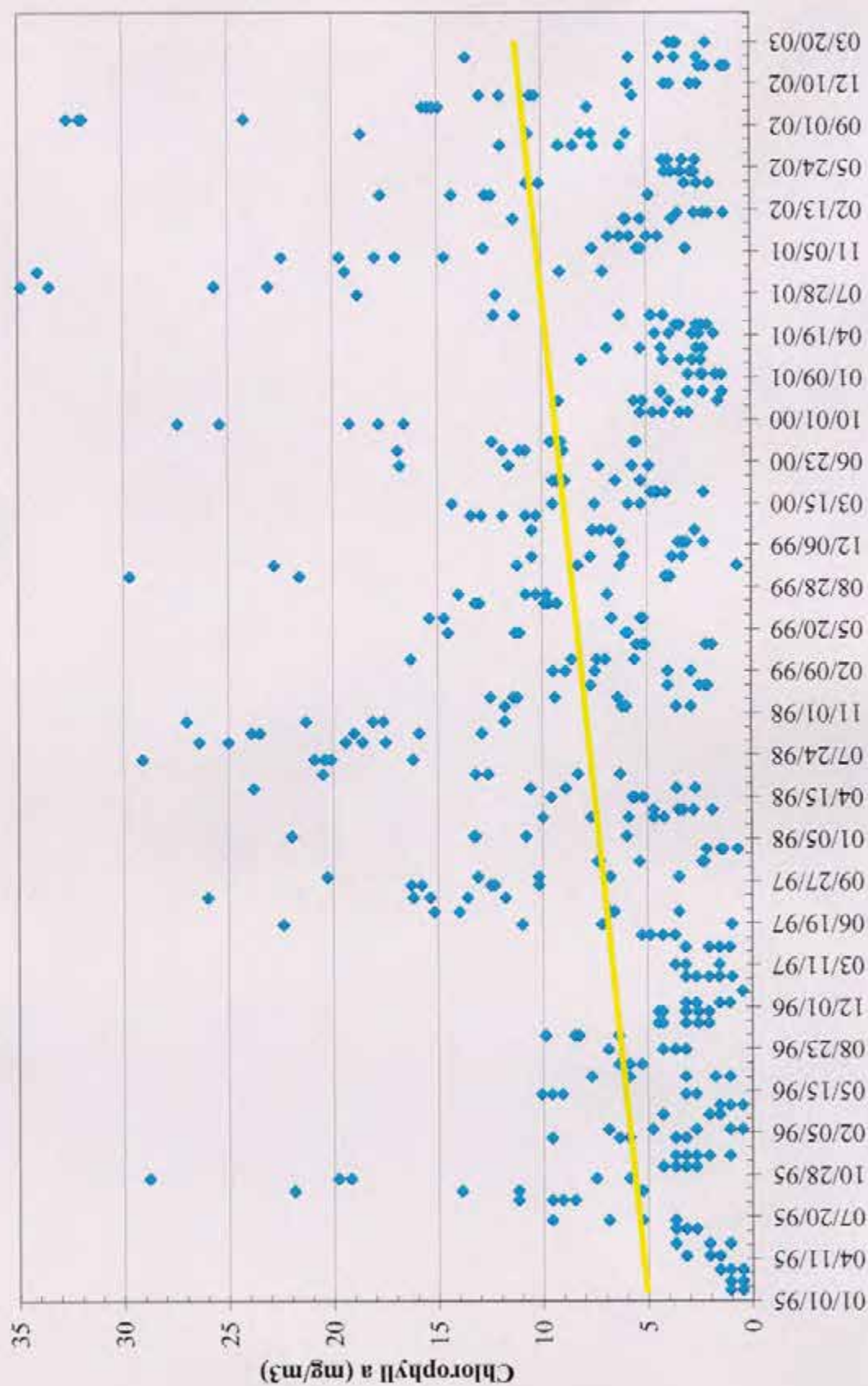
Little Sarasota Bay - All Data



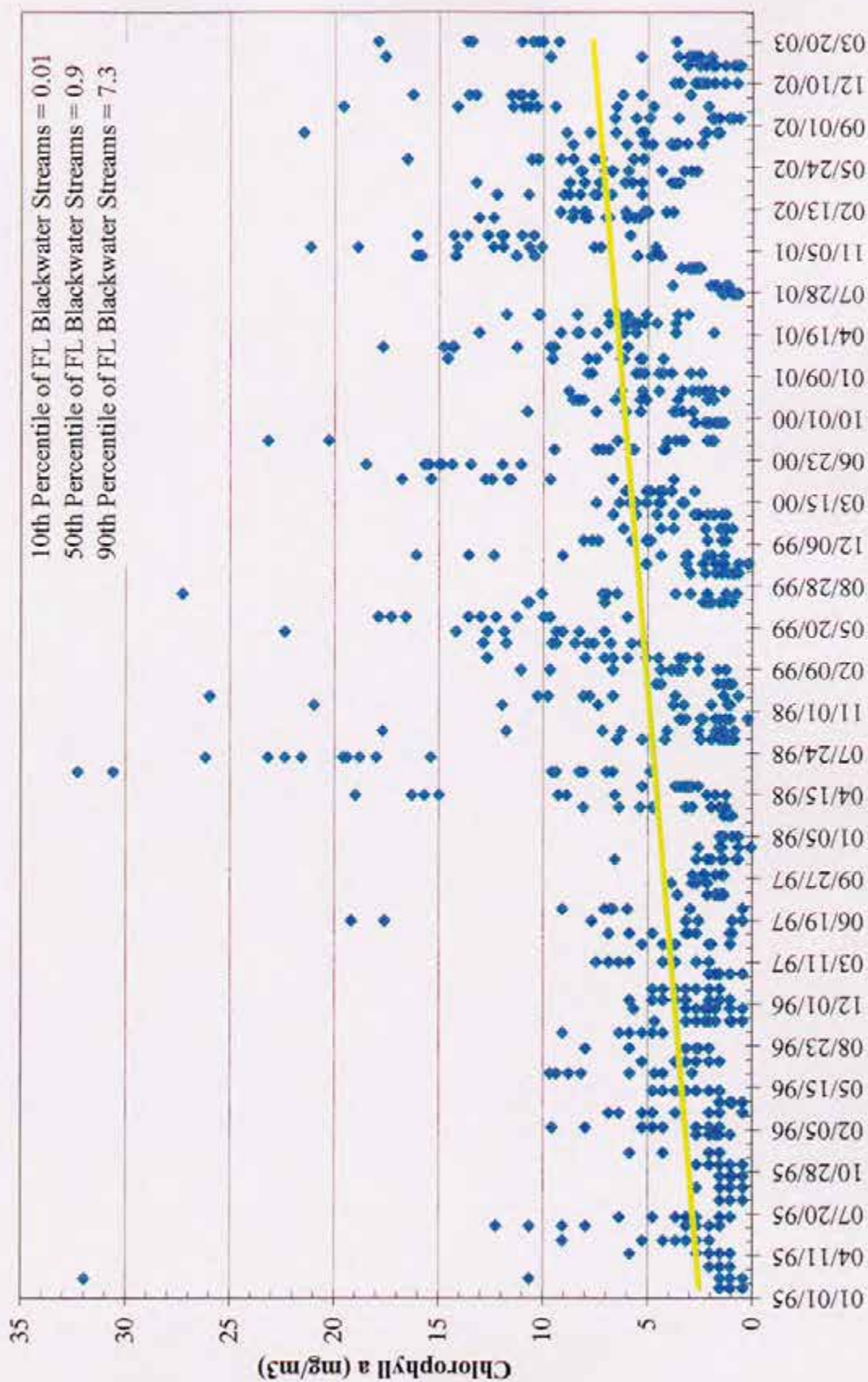
Blackburn Bay - All Data



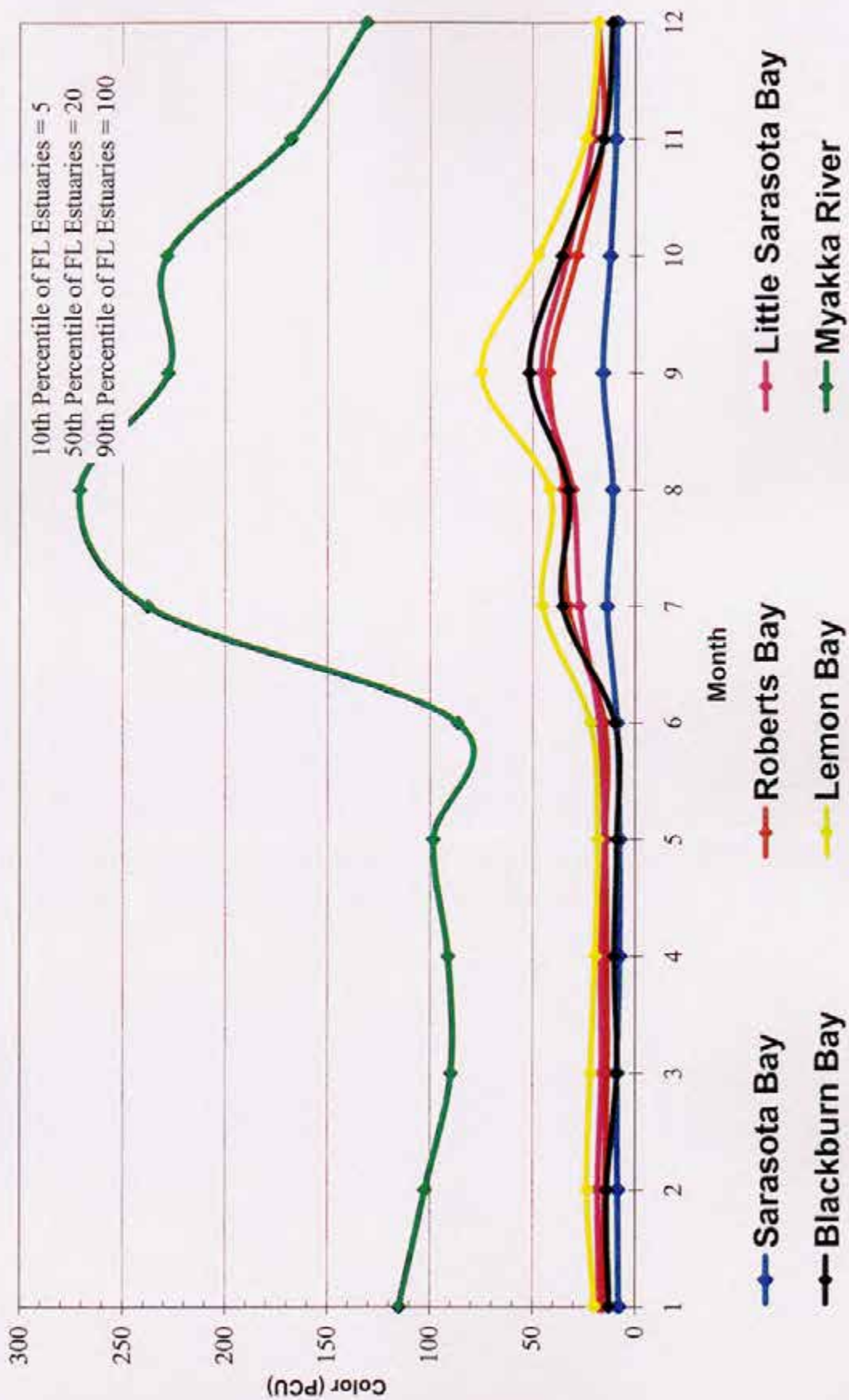
Lemon Bay - All Data



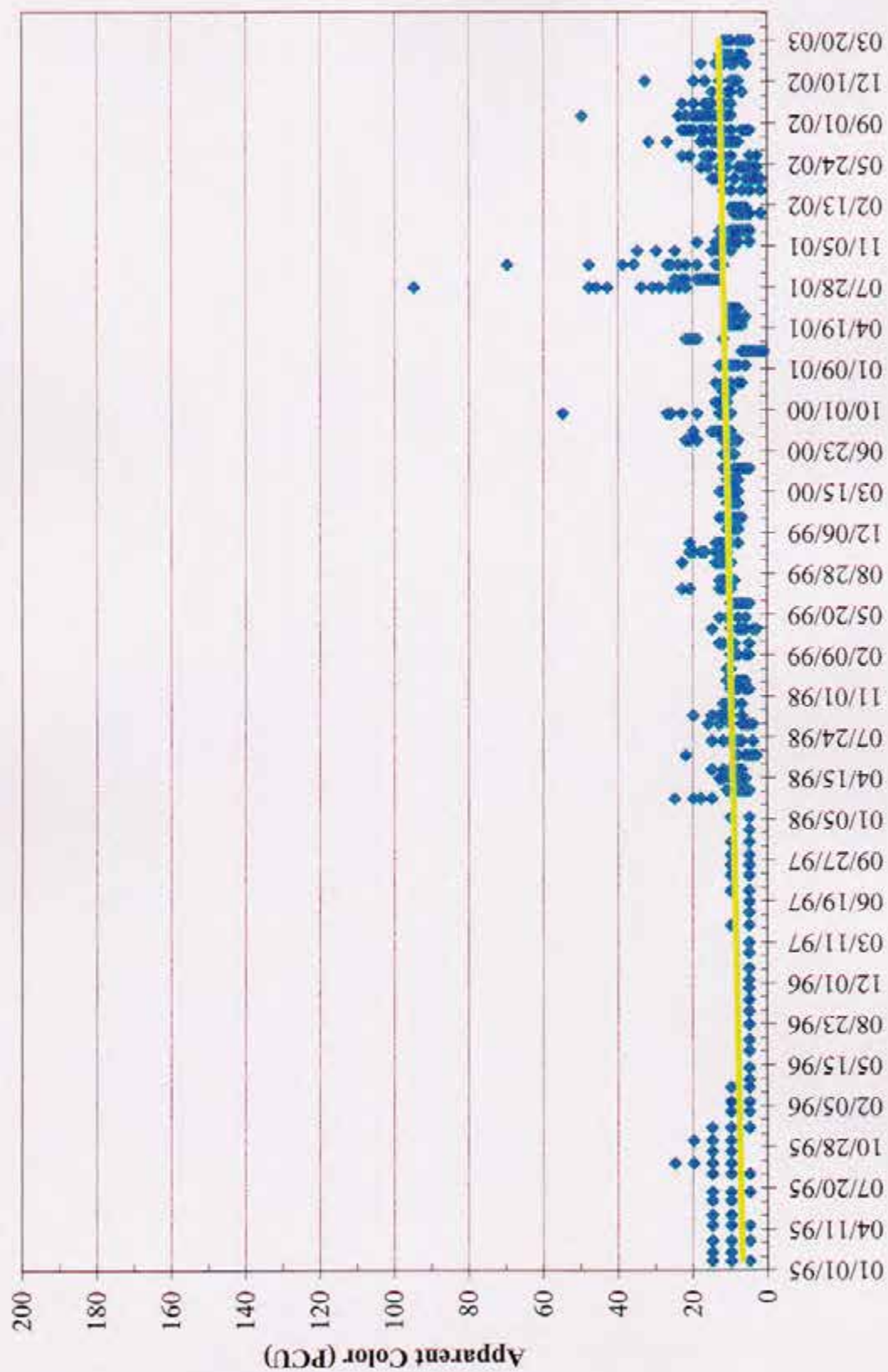
Myakka River - All Data



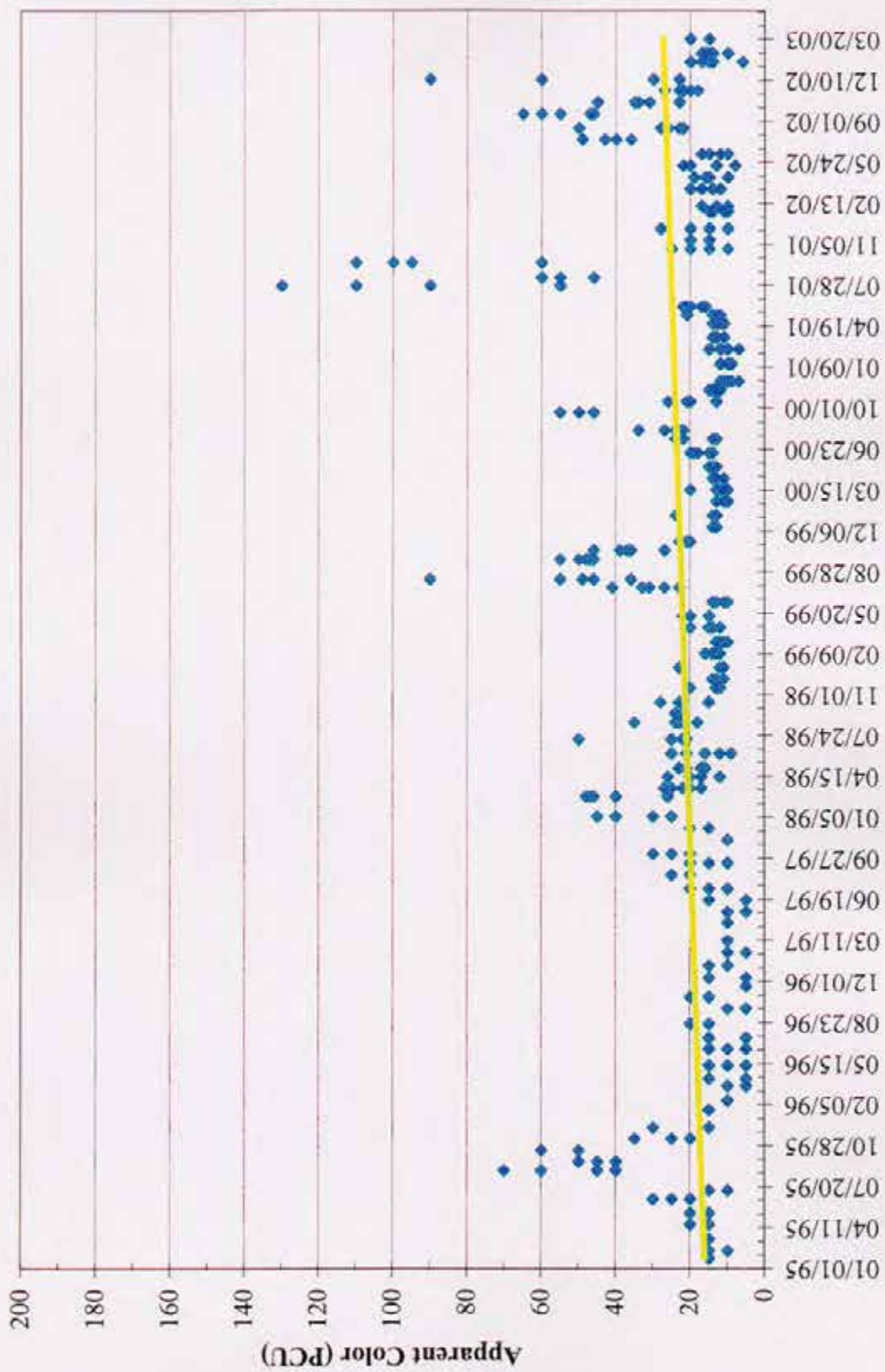
Color - Annual Fluctuations 1995 - 2003



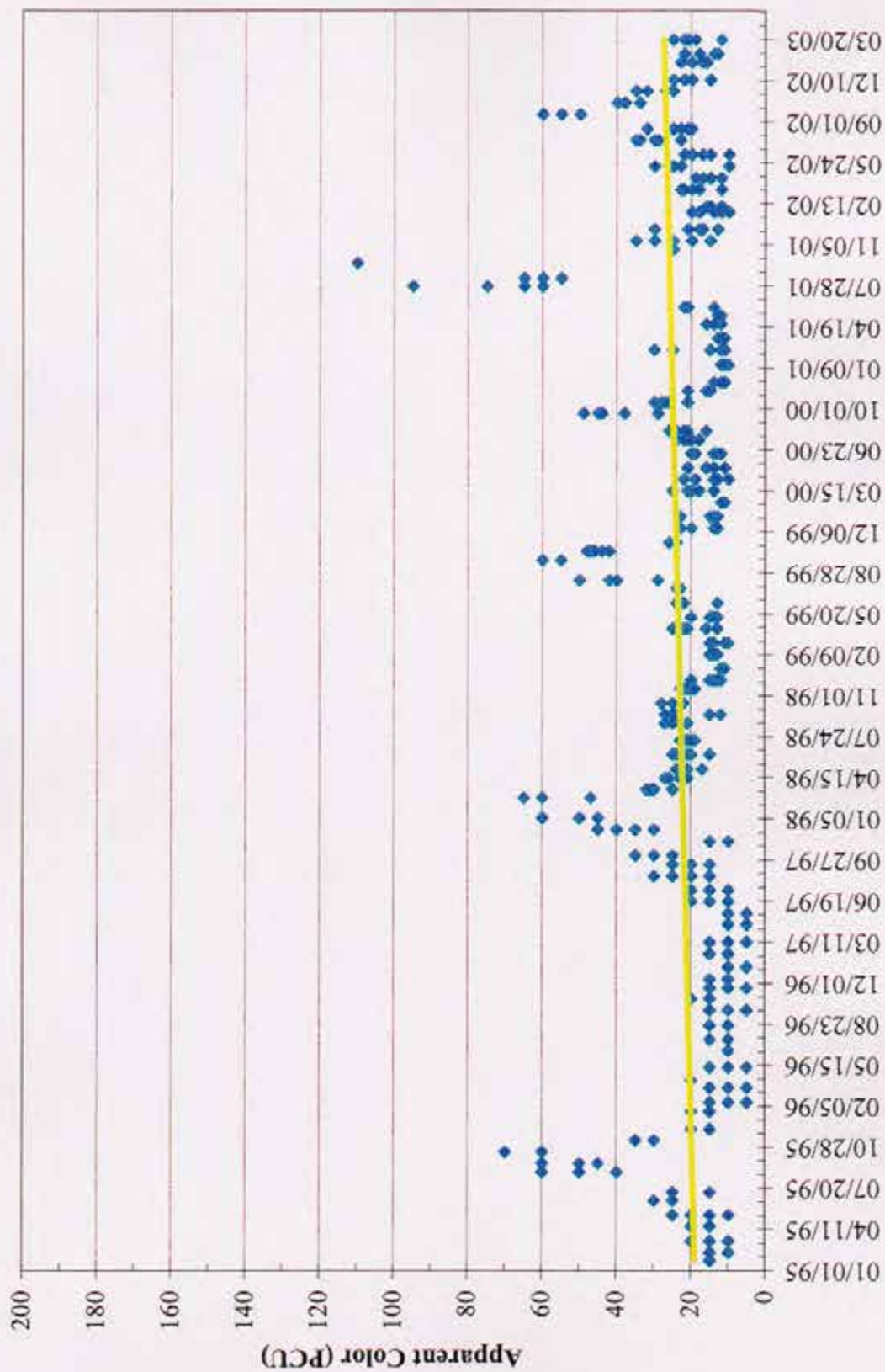
Sarasota Bay - All Data



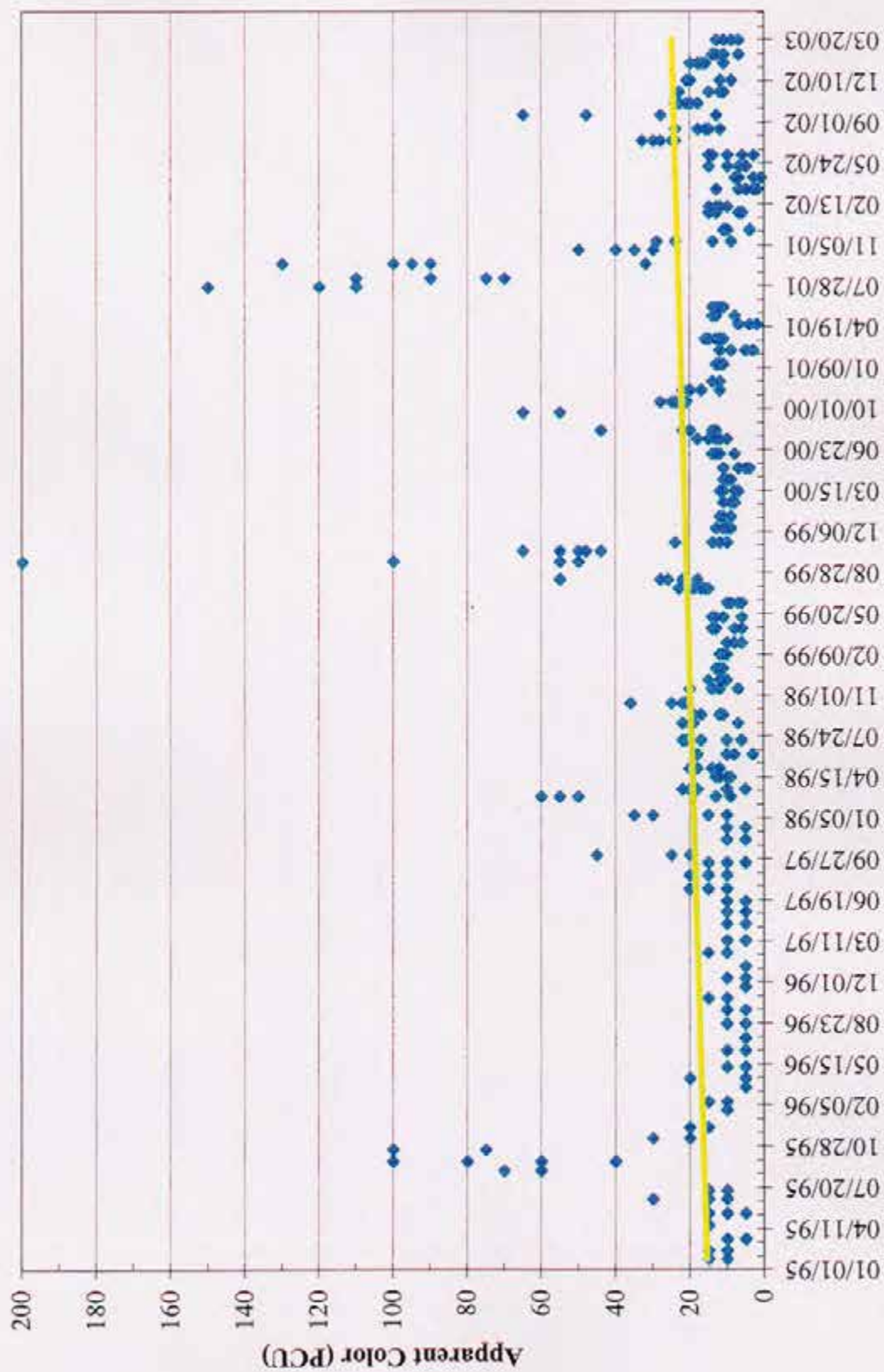
Roberts Bay - All Data



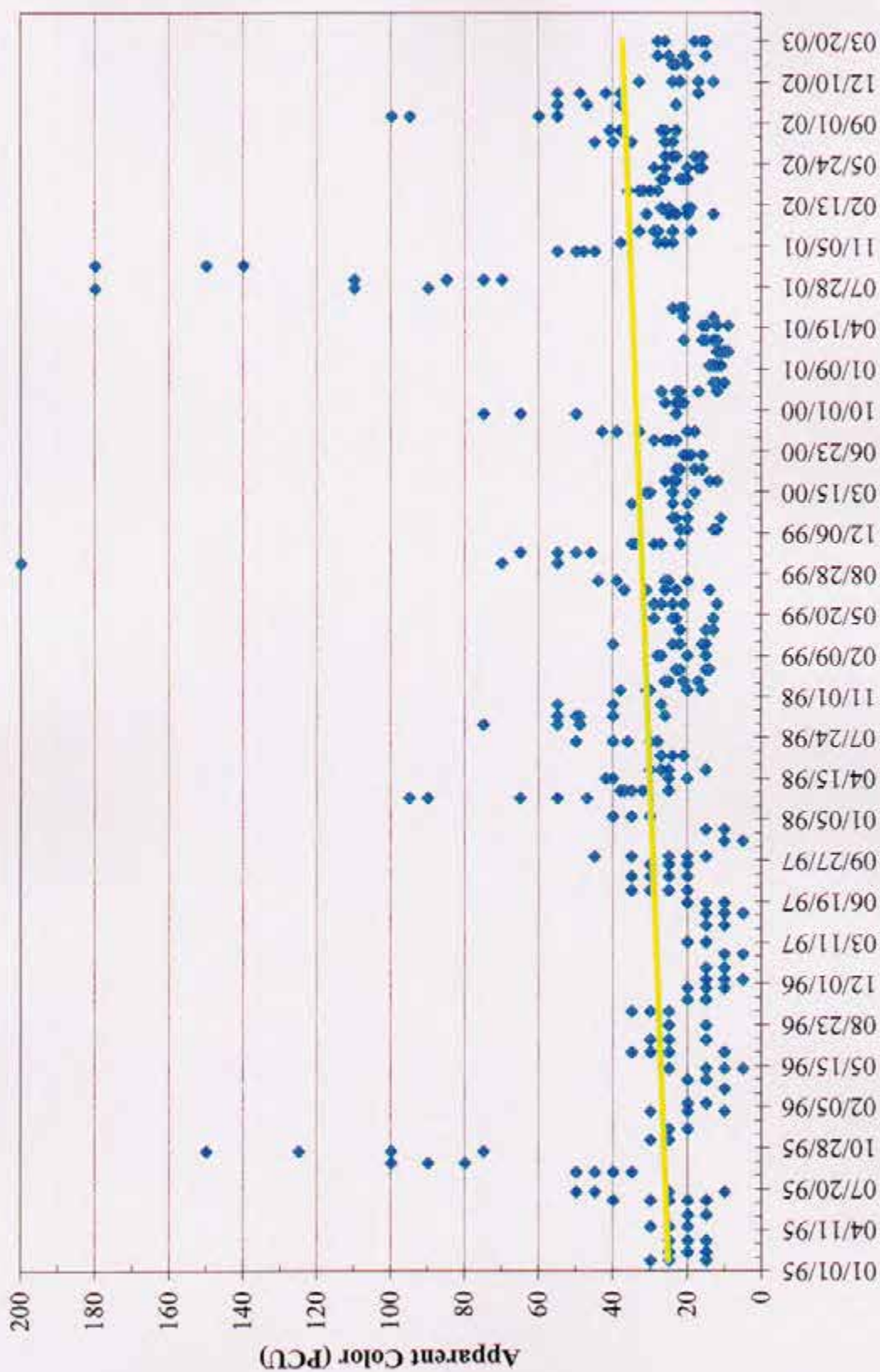
Little Sarasota Bay - All Data



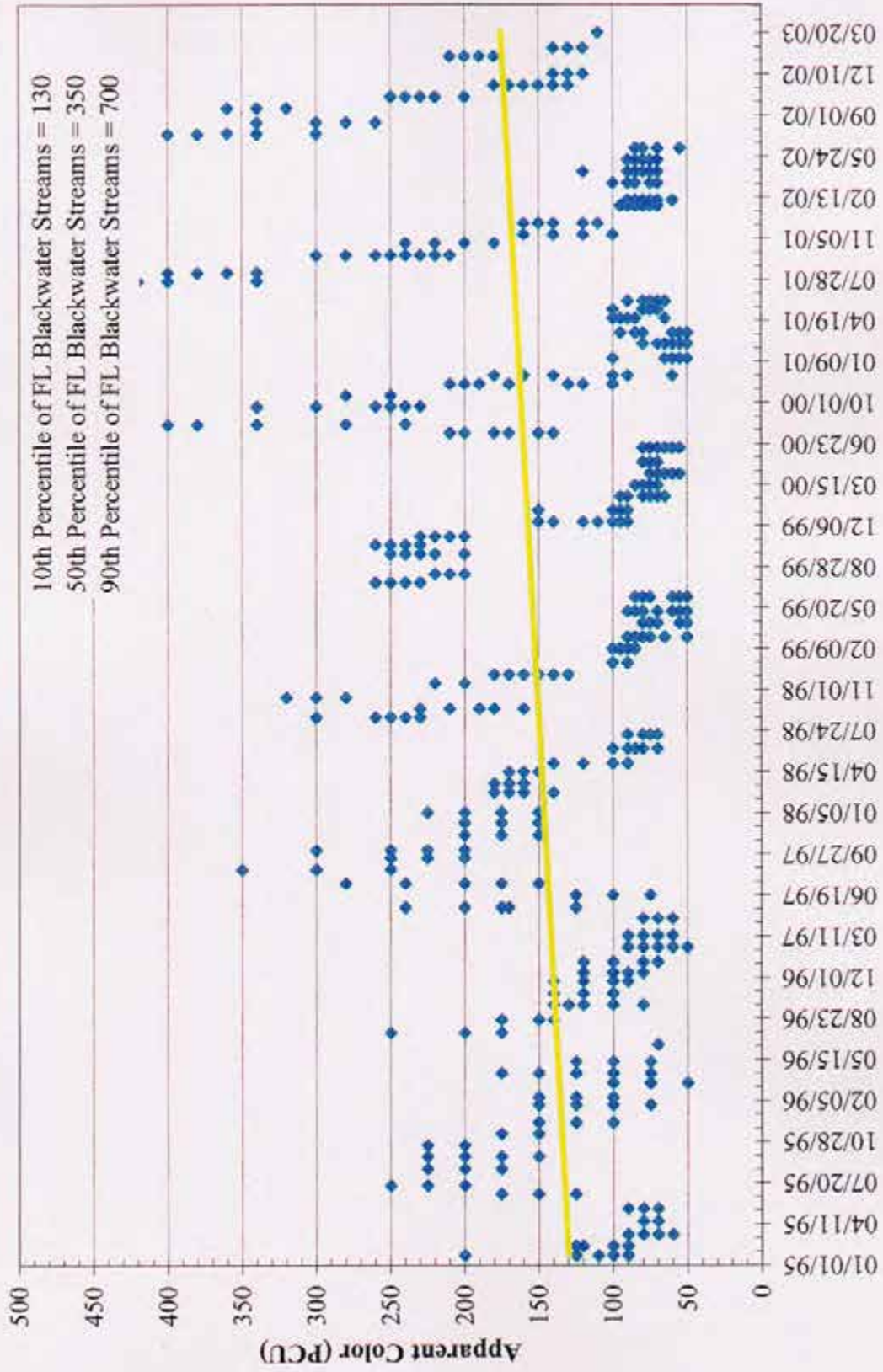
Blackburn Bay - All Data



Lemon Bay - All Data

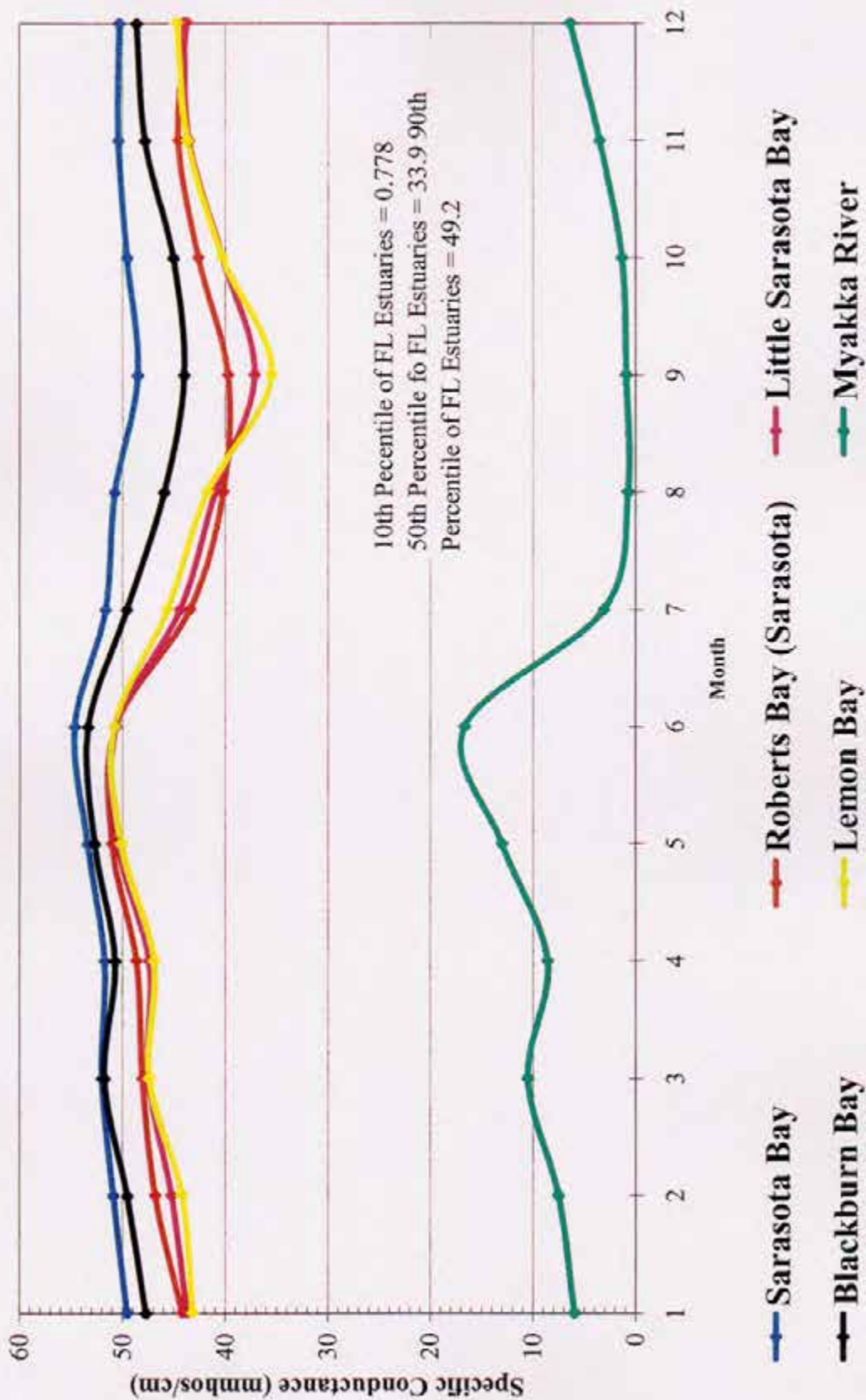


Myakka River - All Data



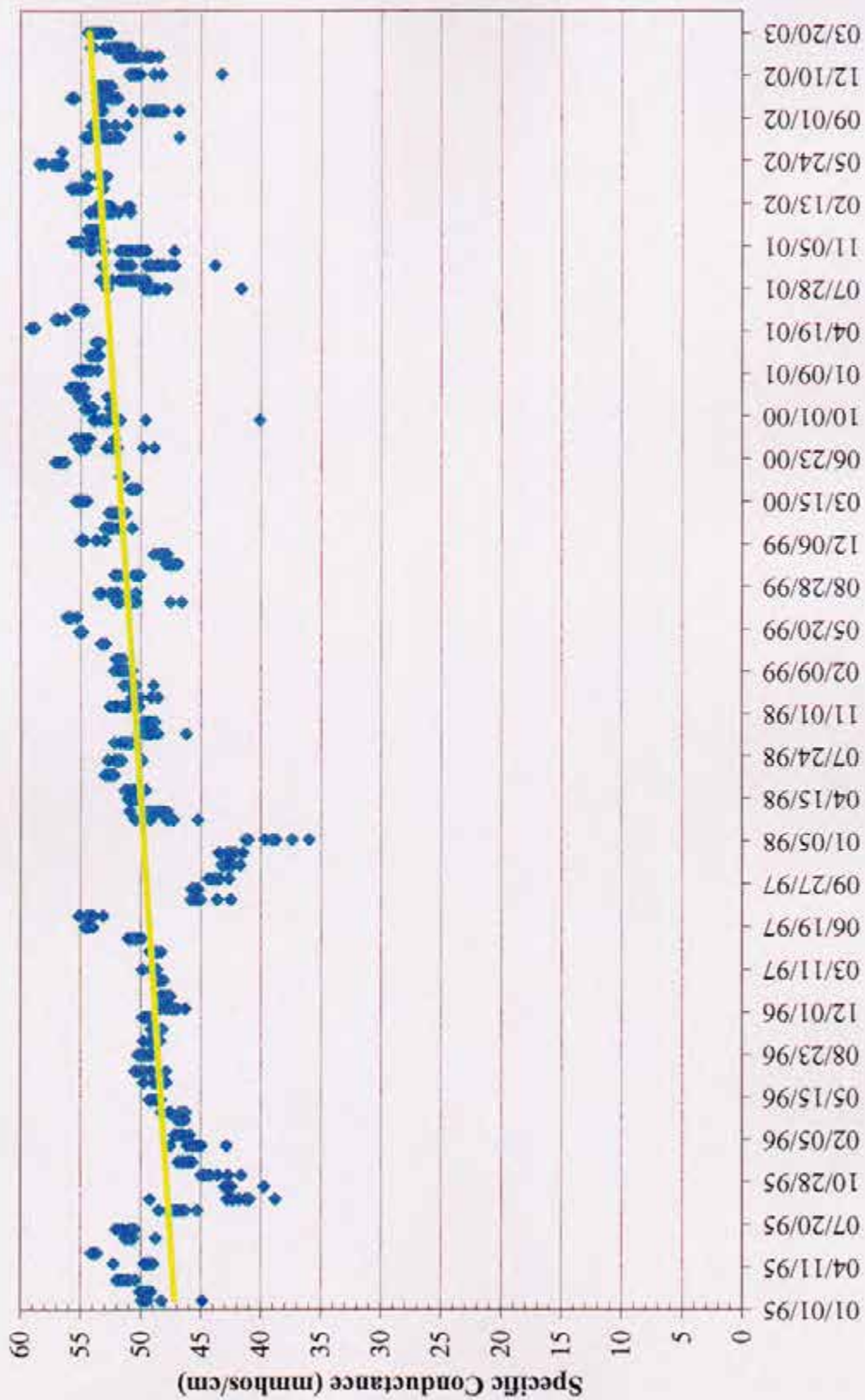
Specific Conductance Annual Fluctuations 1995-2003

Midday & Mid-Depth



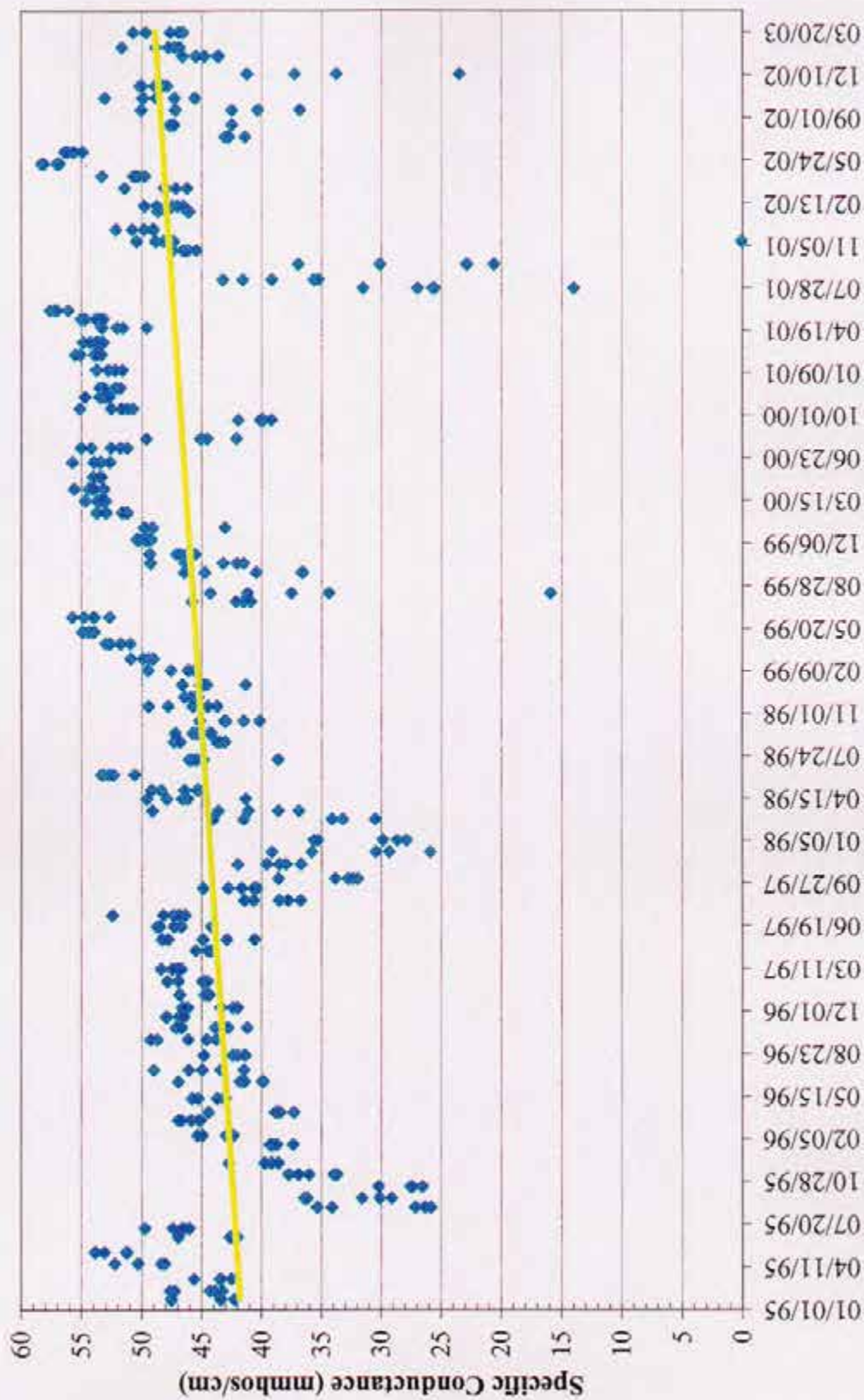
Sarasota Bay - All Data

Midday and Mid-Depth



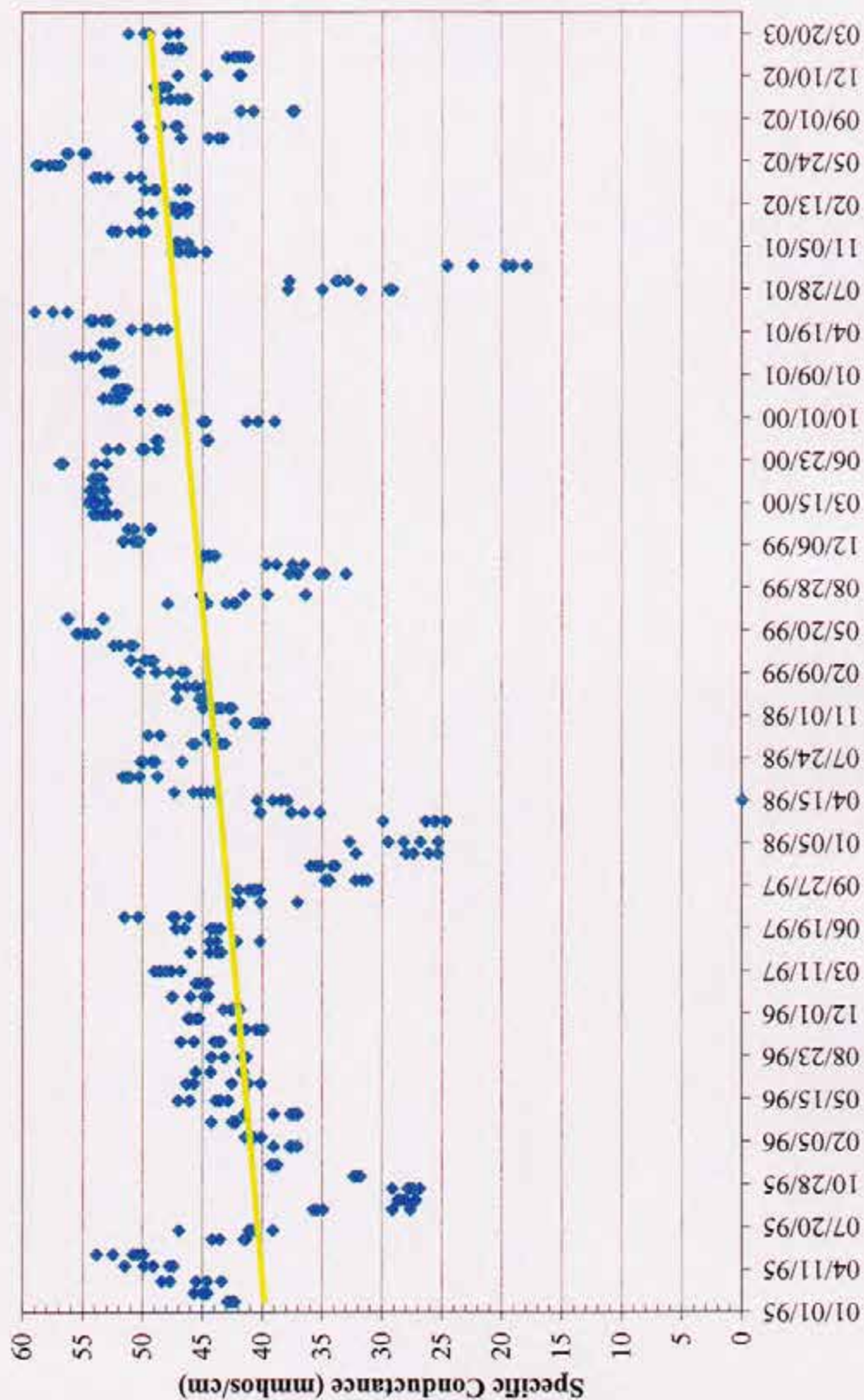
Roberts Bay (Sarasota) - All Data

Midday and Mid-Depth



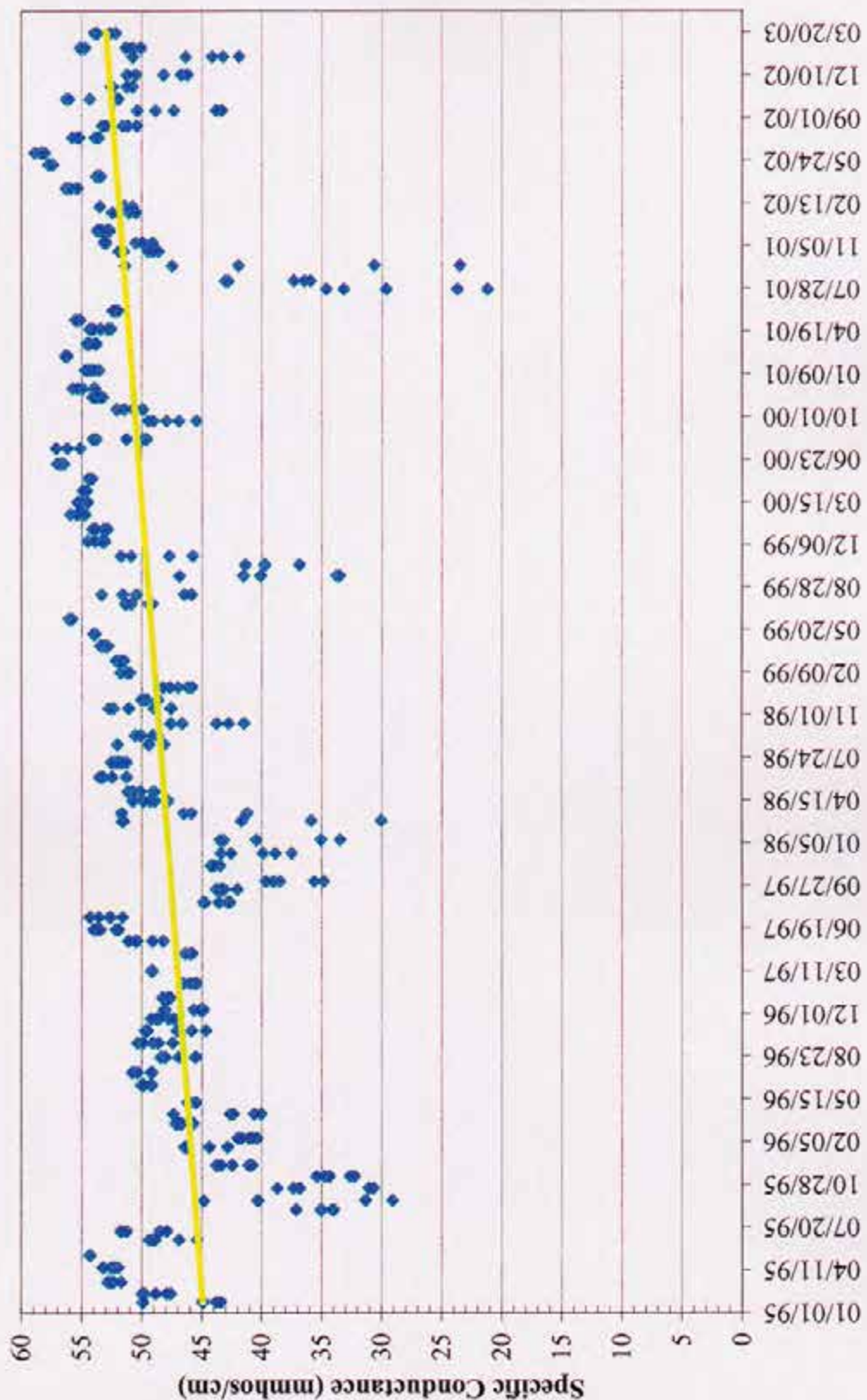
Little Sarasota Bay - All Data

Midday and Mid-Depth



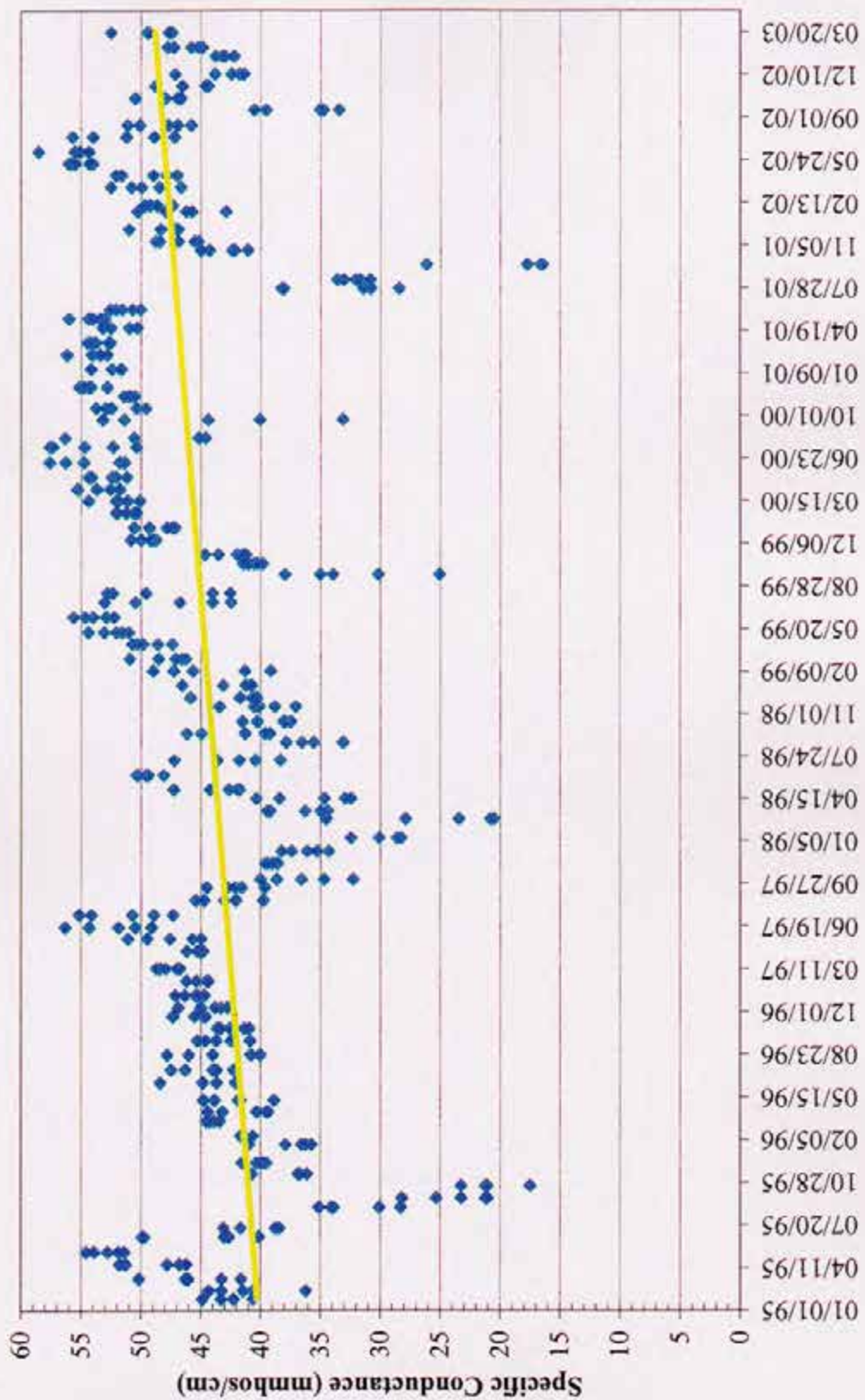
Blackburn Bay - All Data

Midday and Mid-Depth



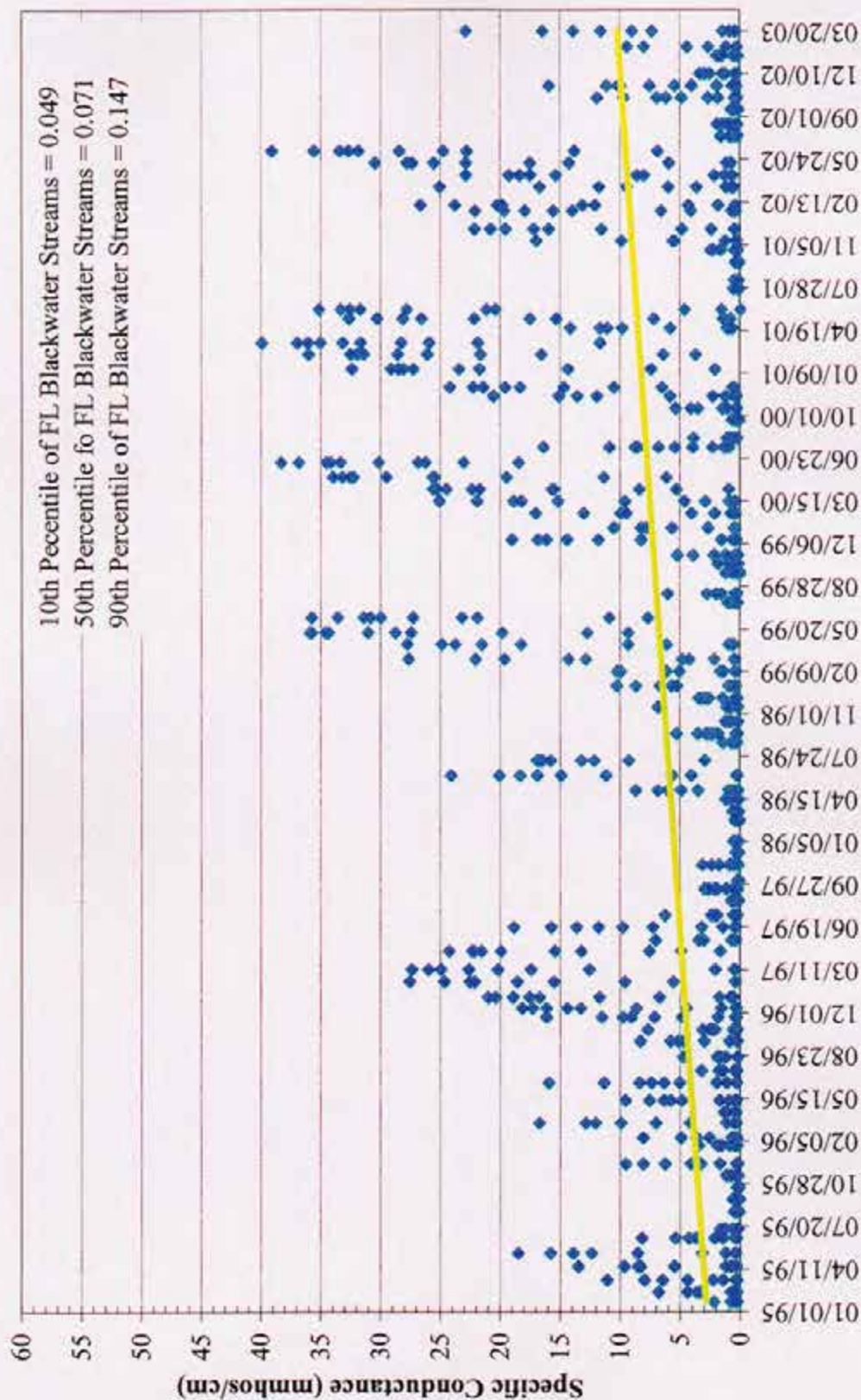
Lemon Bay - All Data

Midday and Mid-Depth

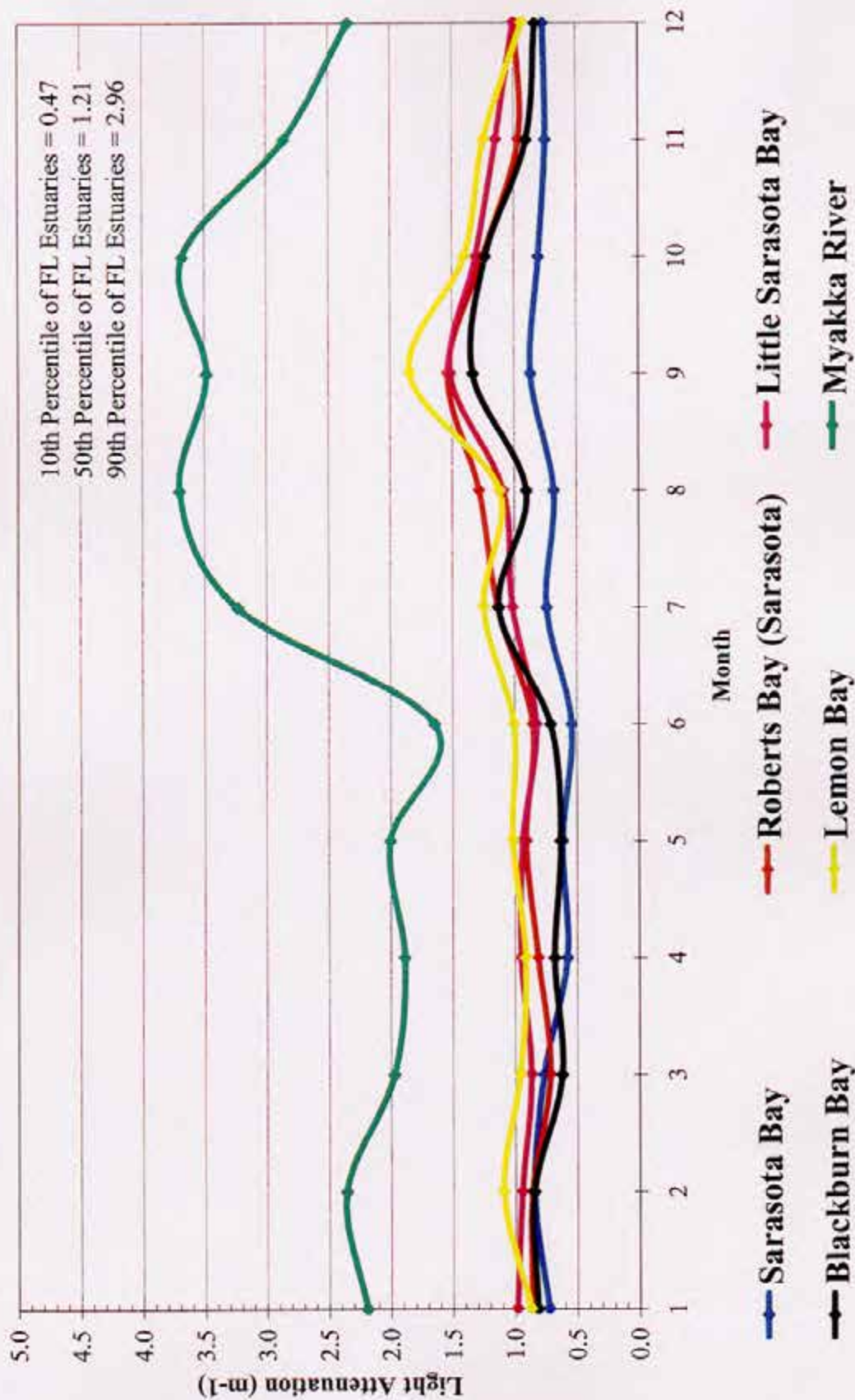


Myakka River - All Data

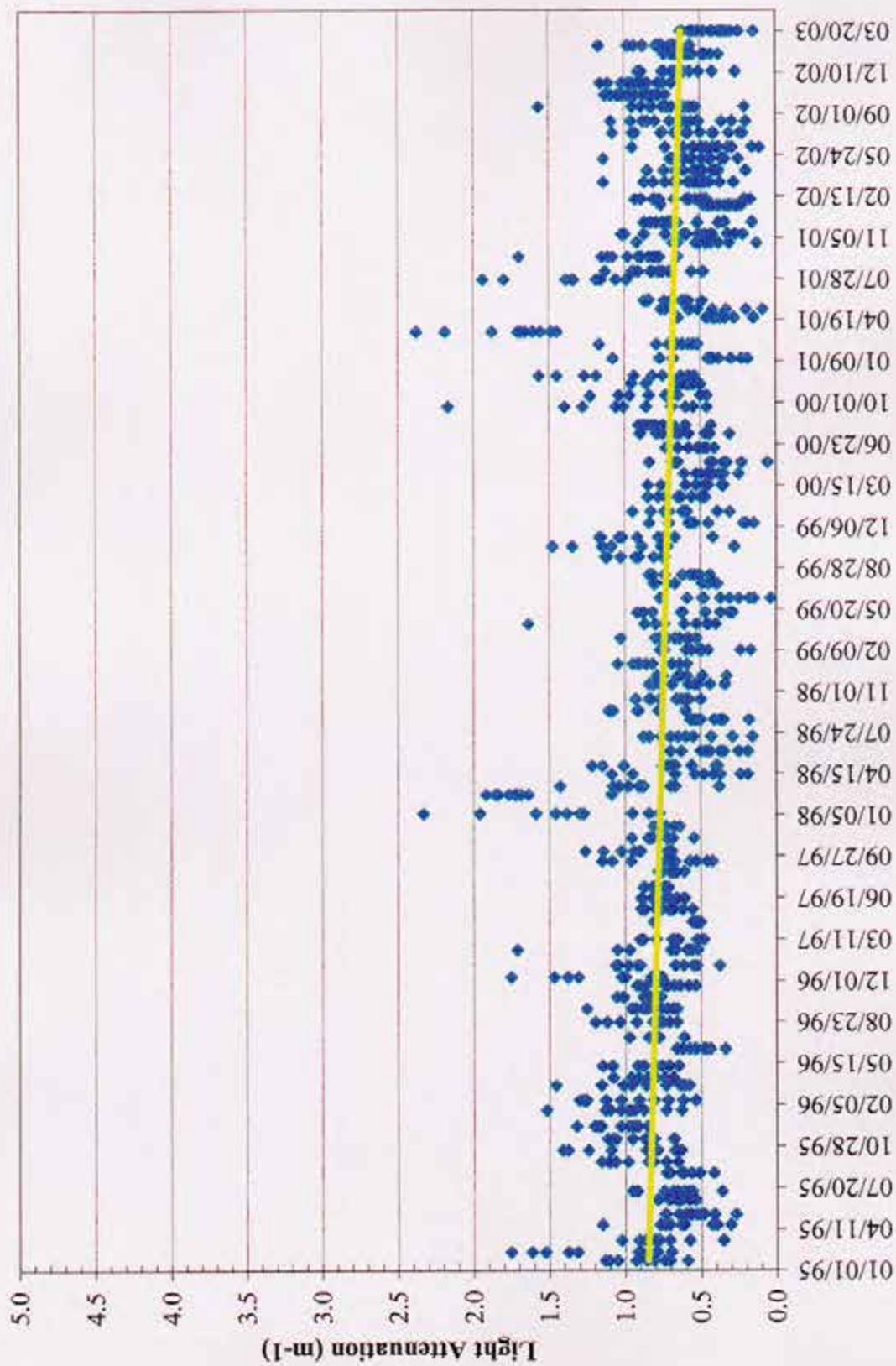
Midday and Mid-Depth



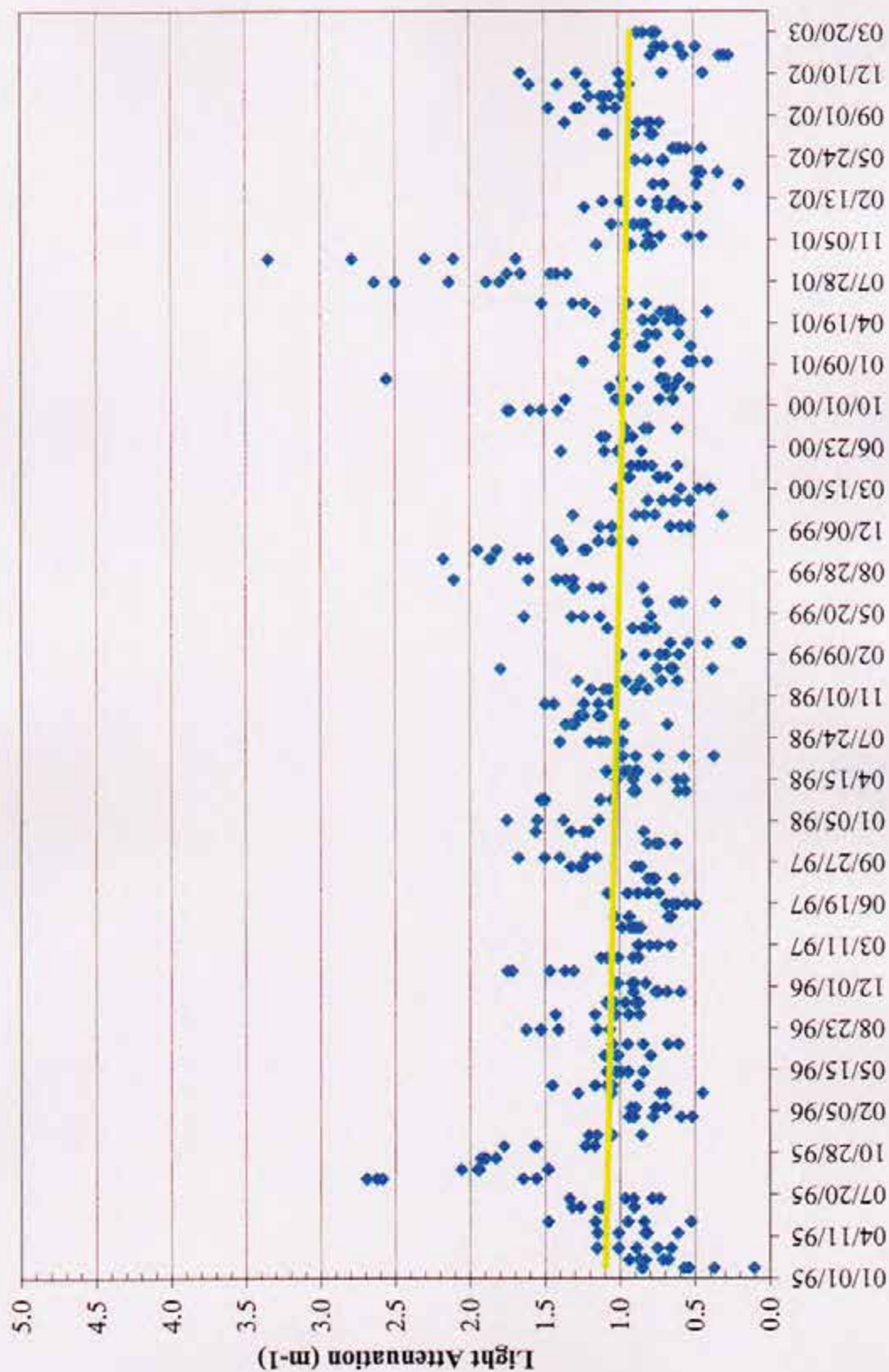
Light Attenuation Annual Fluctuations 1995-2003



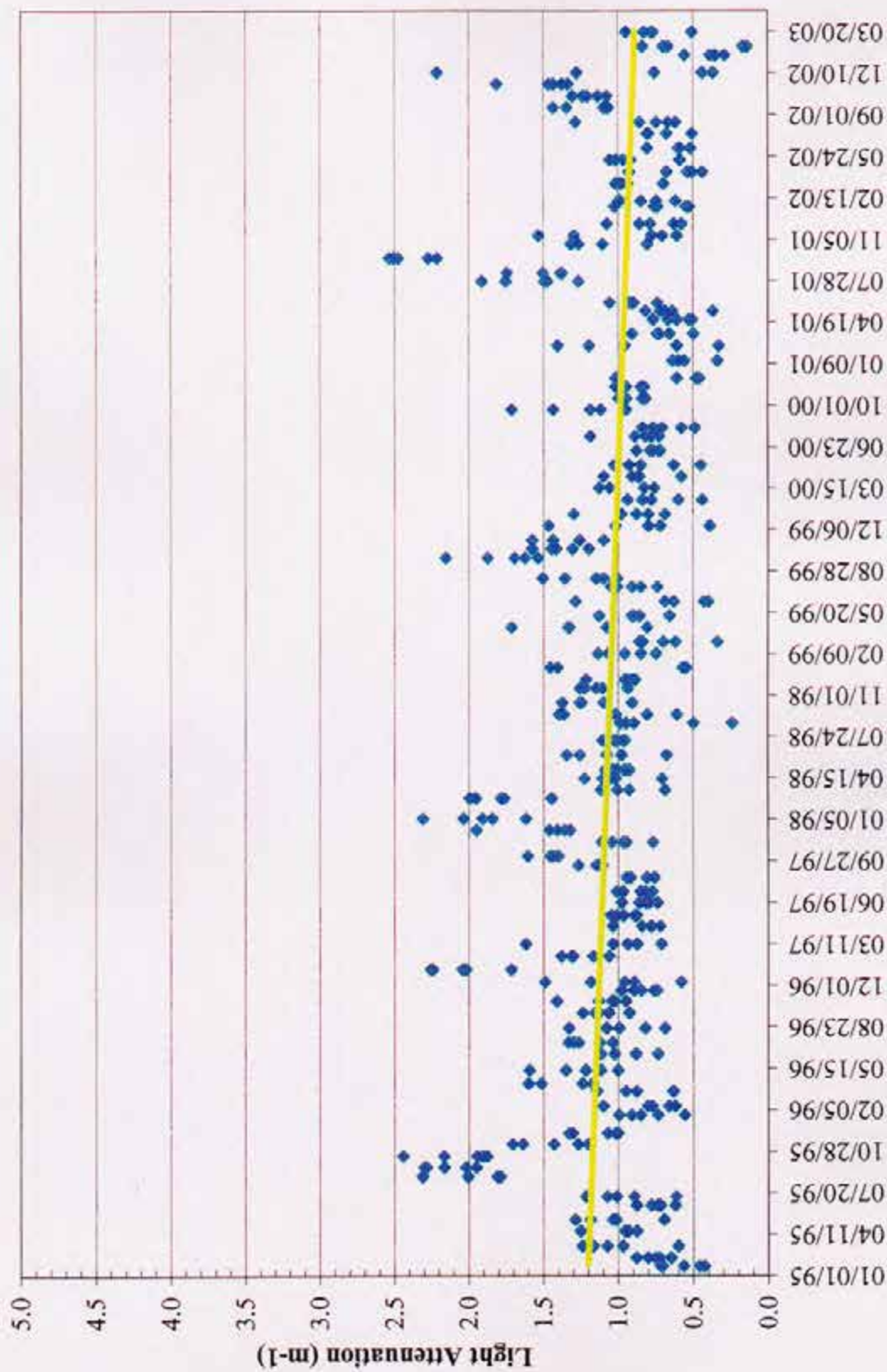
Sarasota Bay - All Data



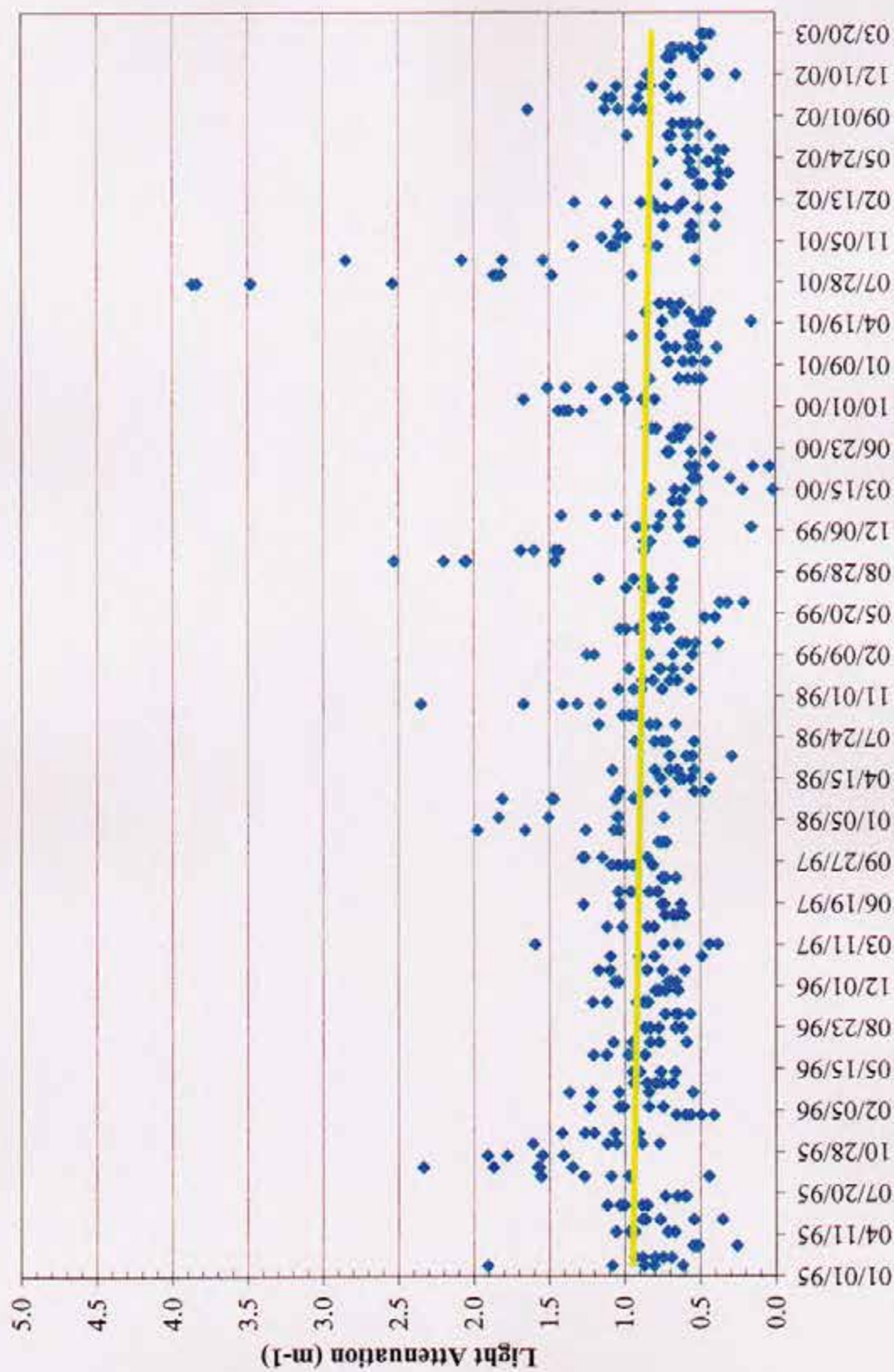
Roberts Bay (Sarasota) - All Data



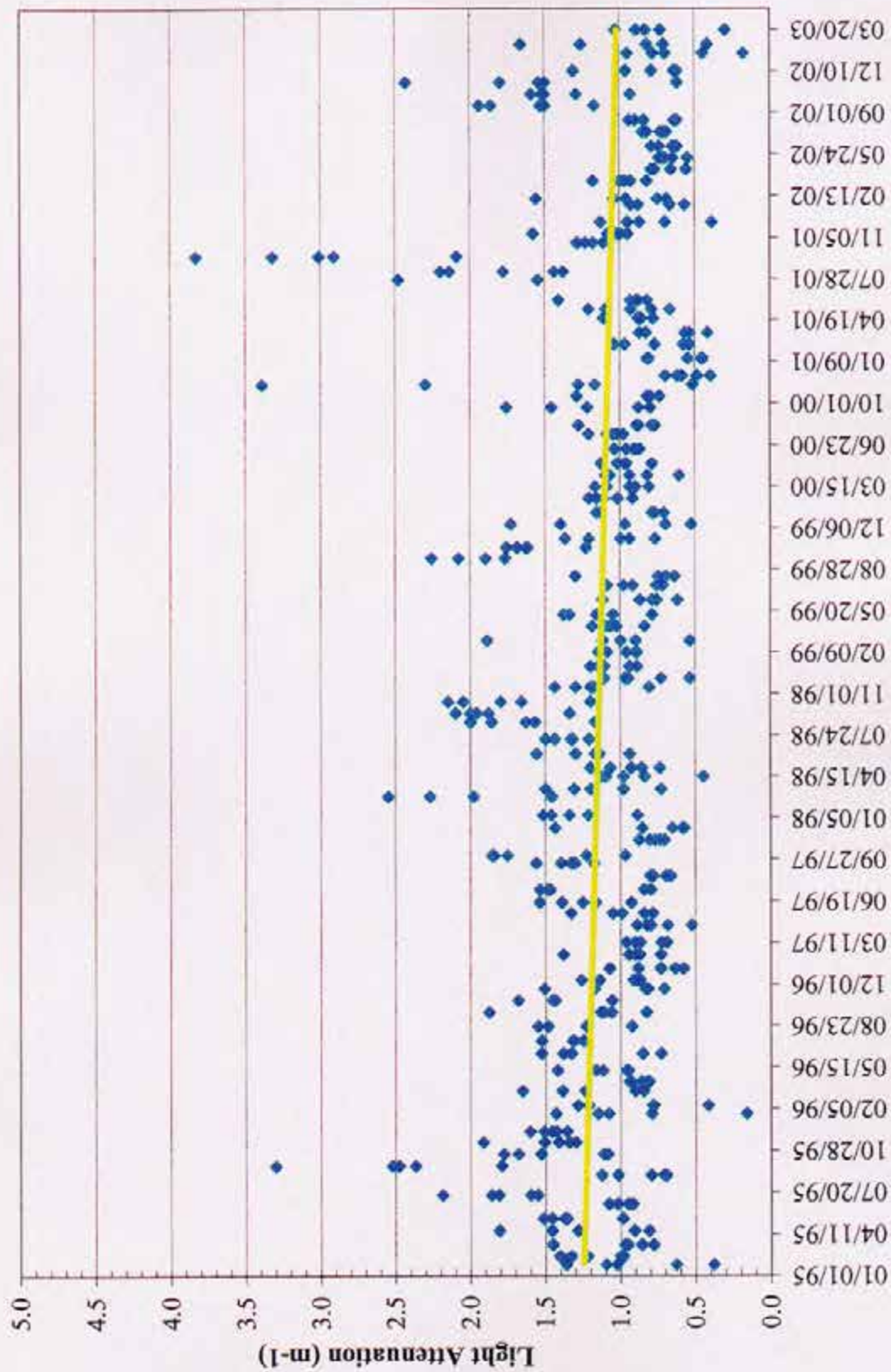
Little Sarasota Bay - All Data



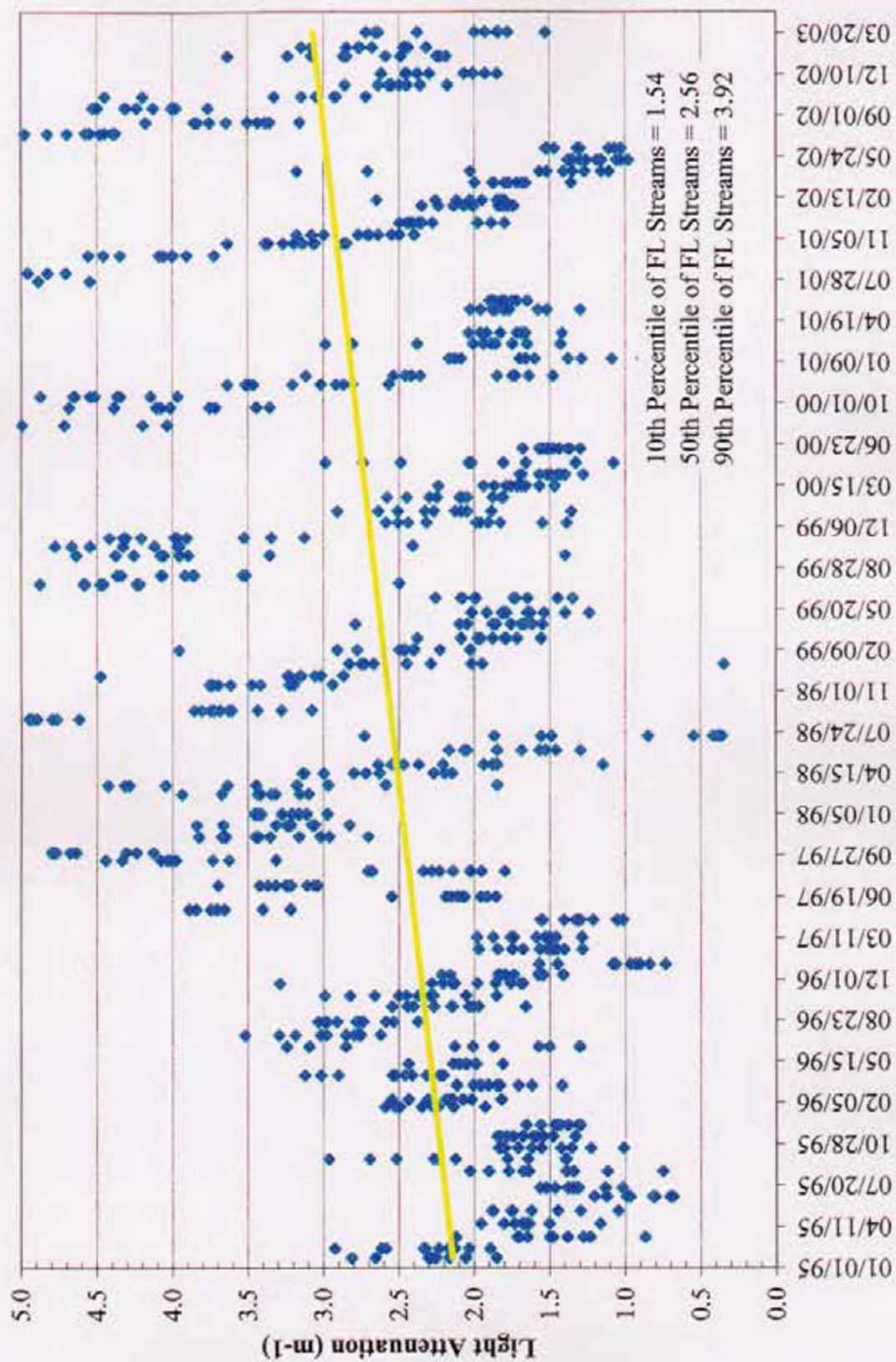
Blackburn Bay - All Data



Lemon Bay - All Data

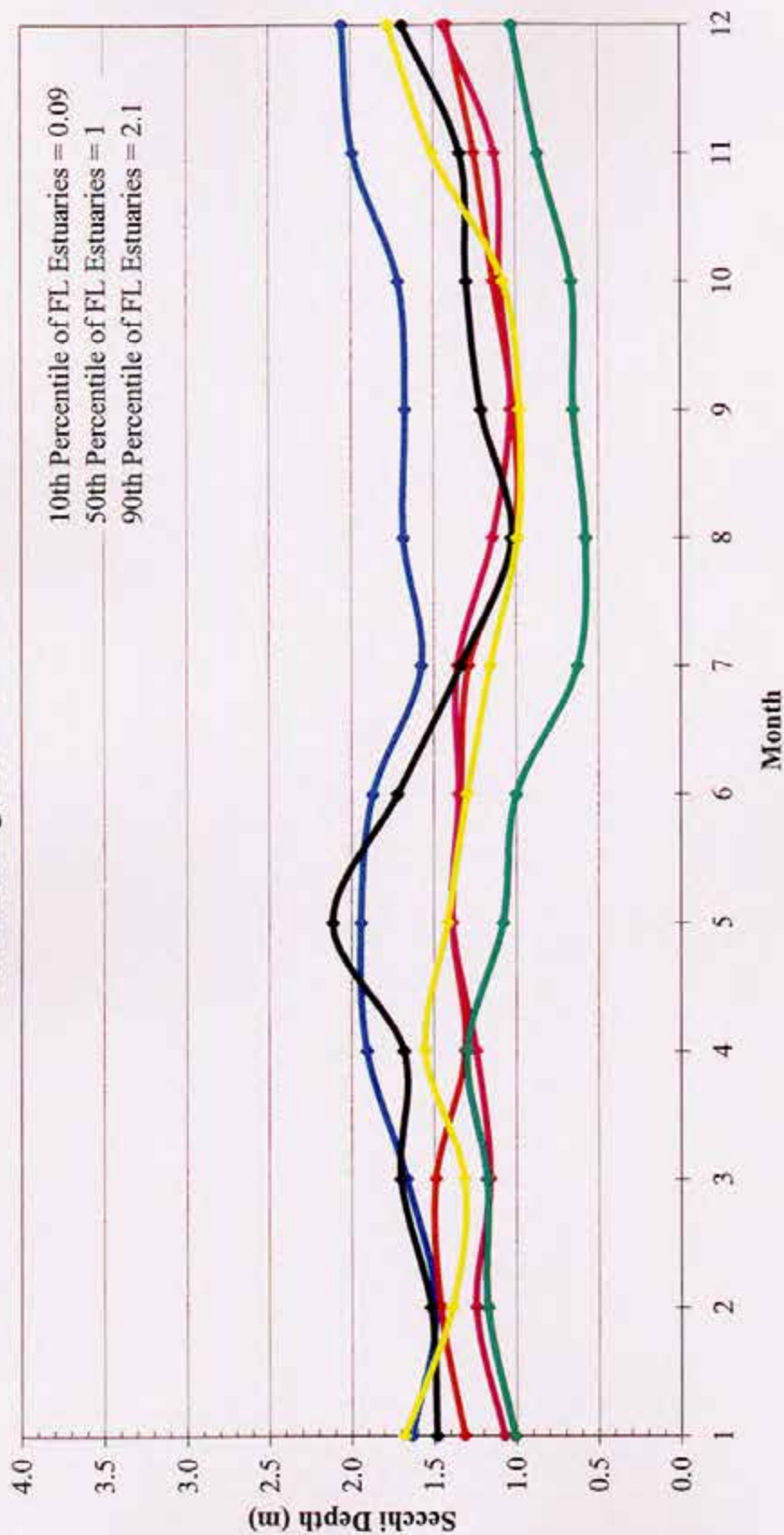


Myakka River - All Data



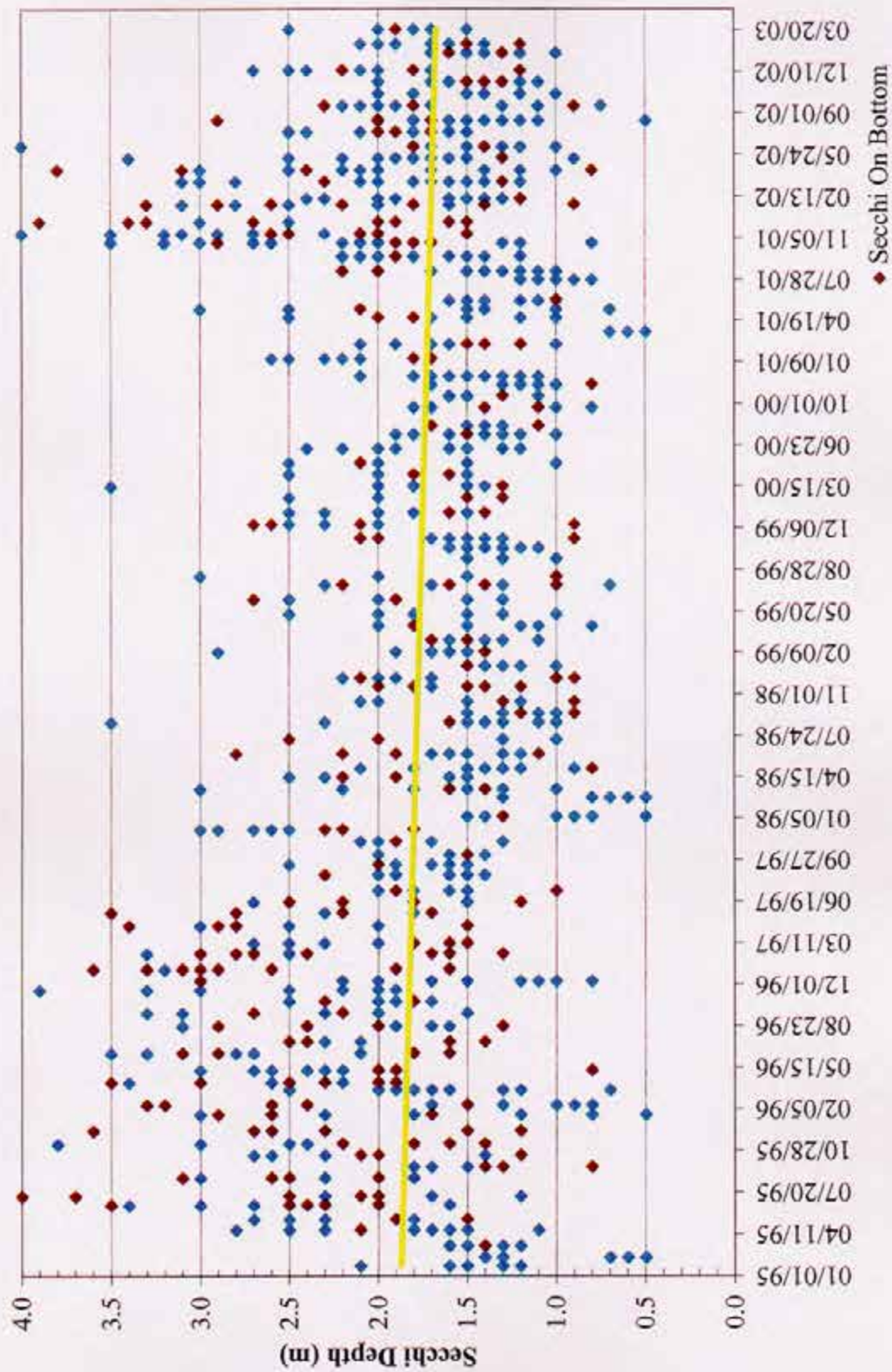
Secchi Depth Annual Fluctuations 1995-2003

Not including Secchi on Bottom

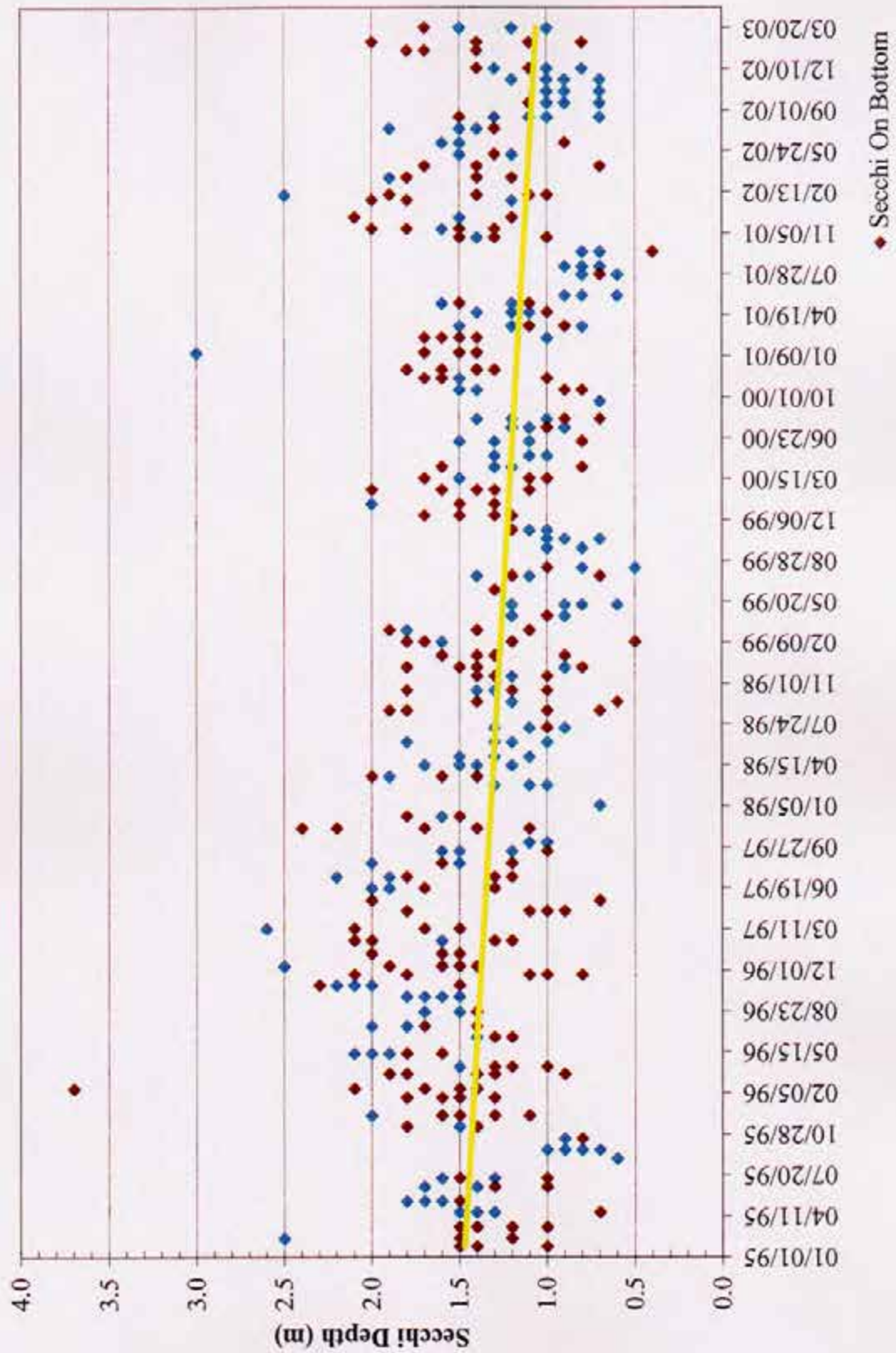


- Sarasota Bay
- Blackburn Bay
- Roberts Bay (Sarasota)
- Lemon Bay
- Little Sarasota Bay
- Myakka River

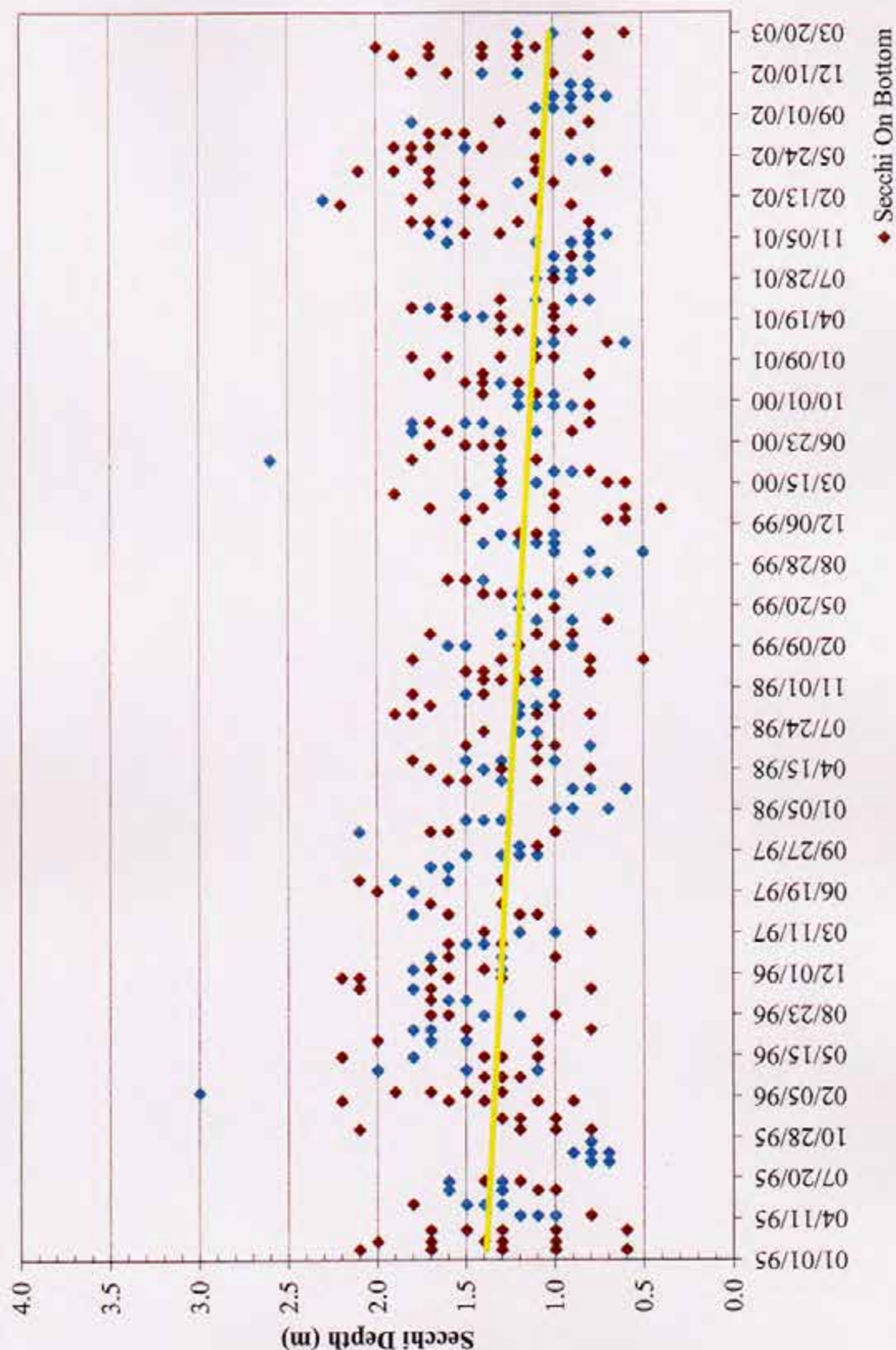
Sarasota Bay - All Data



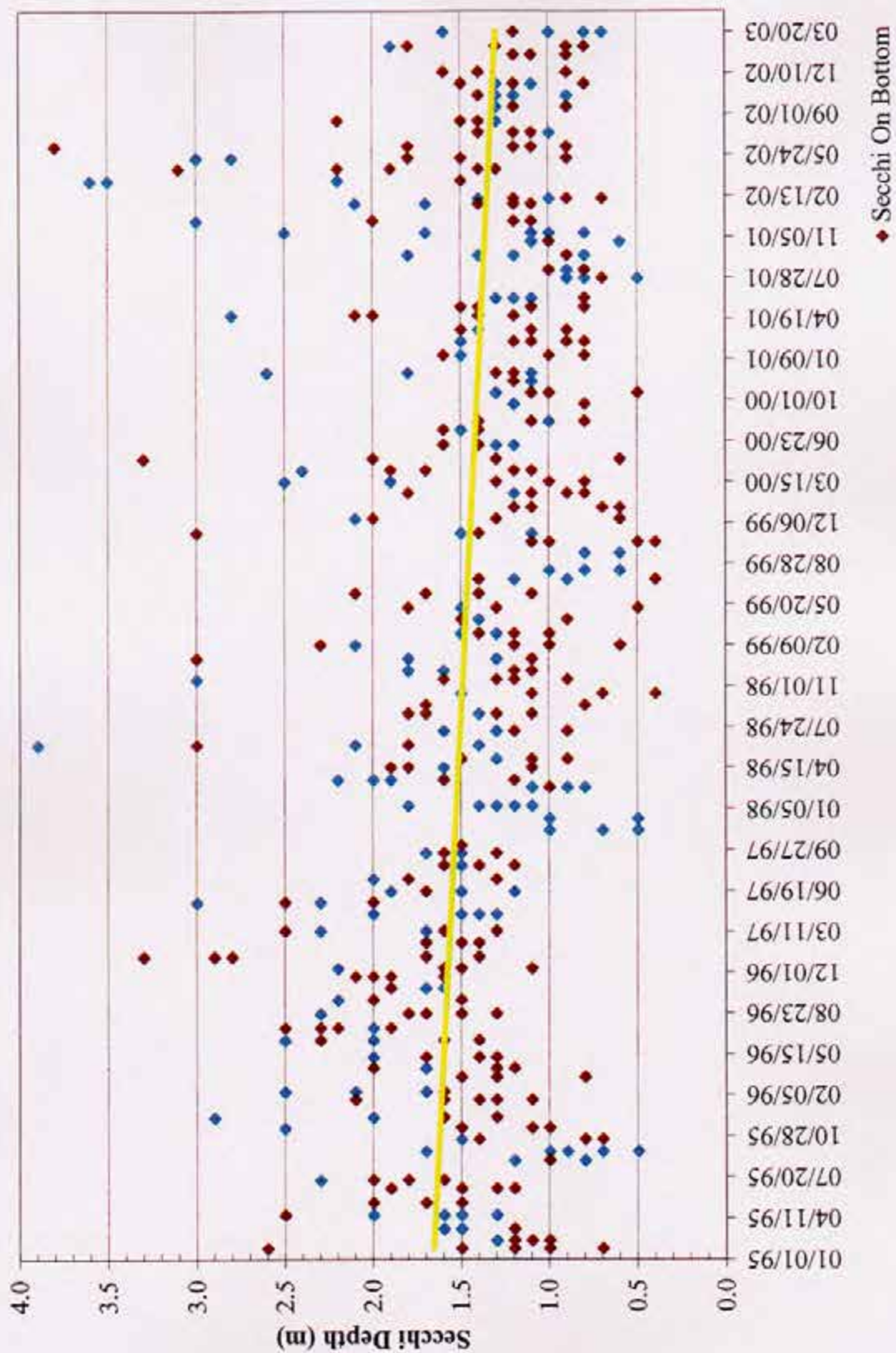
Roberts Bay (Sarasota) - All Data



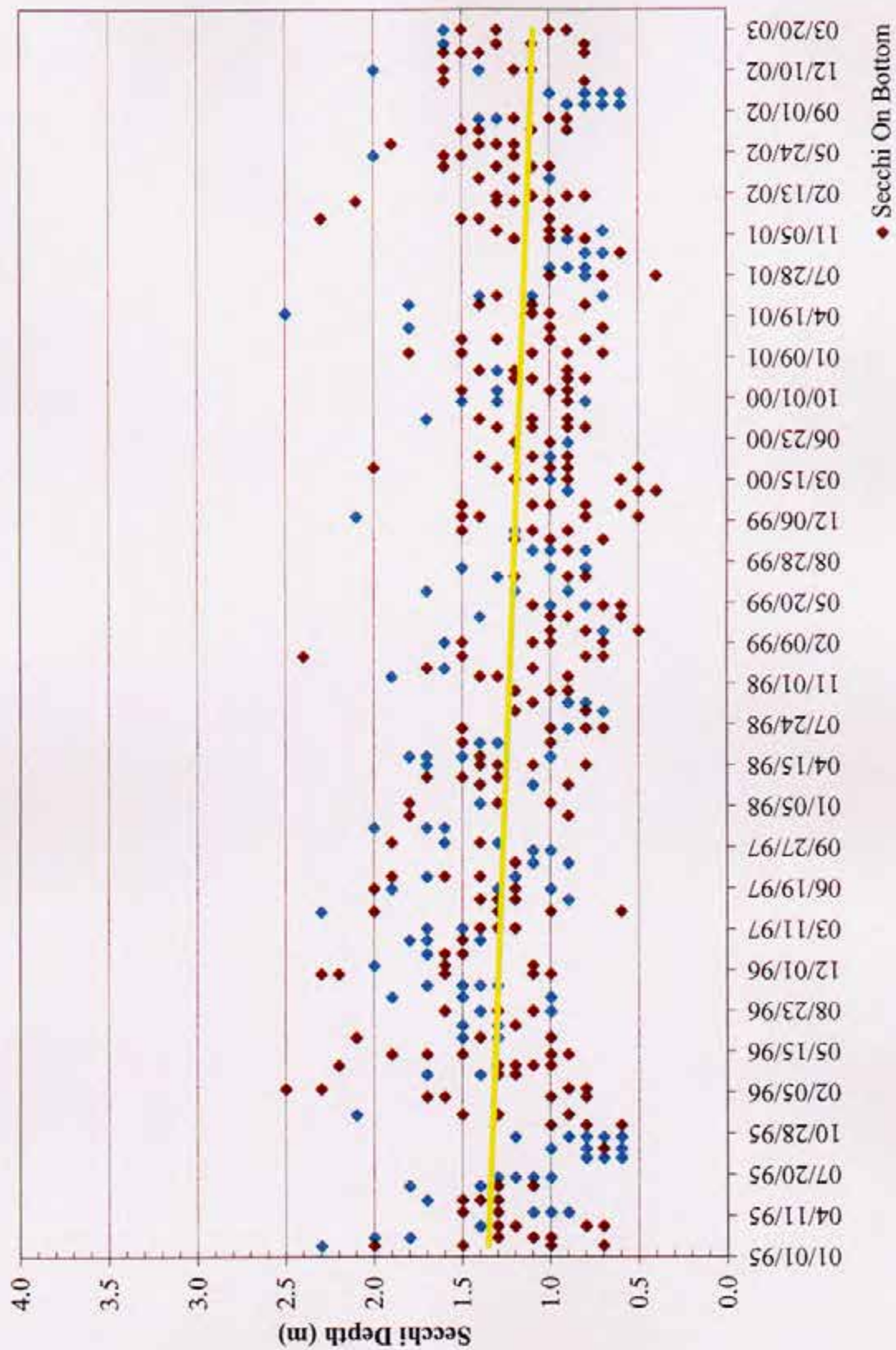
Little Sarasota Bay - All Data



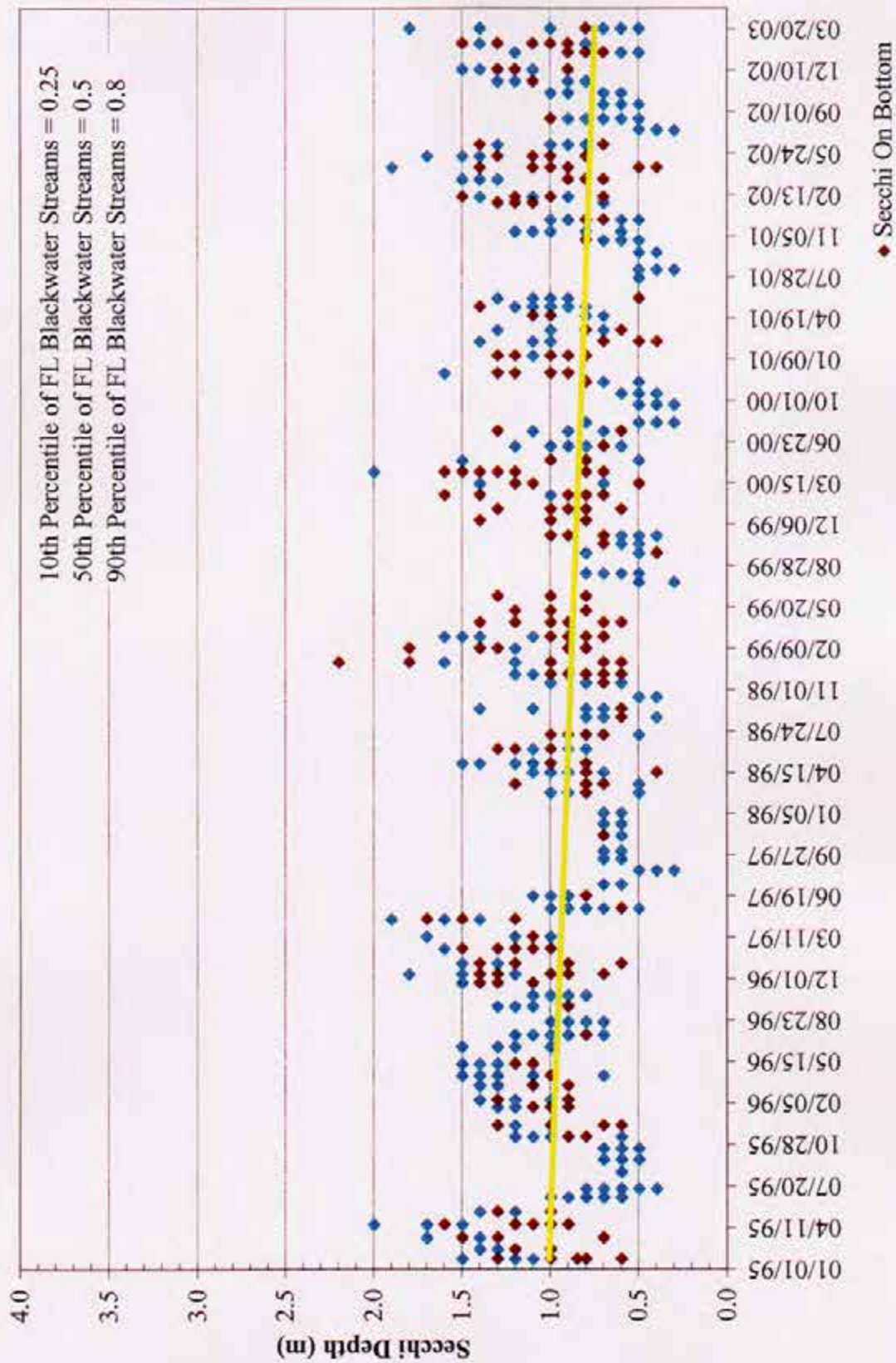
Blackburn Bay - All Data



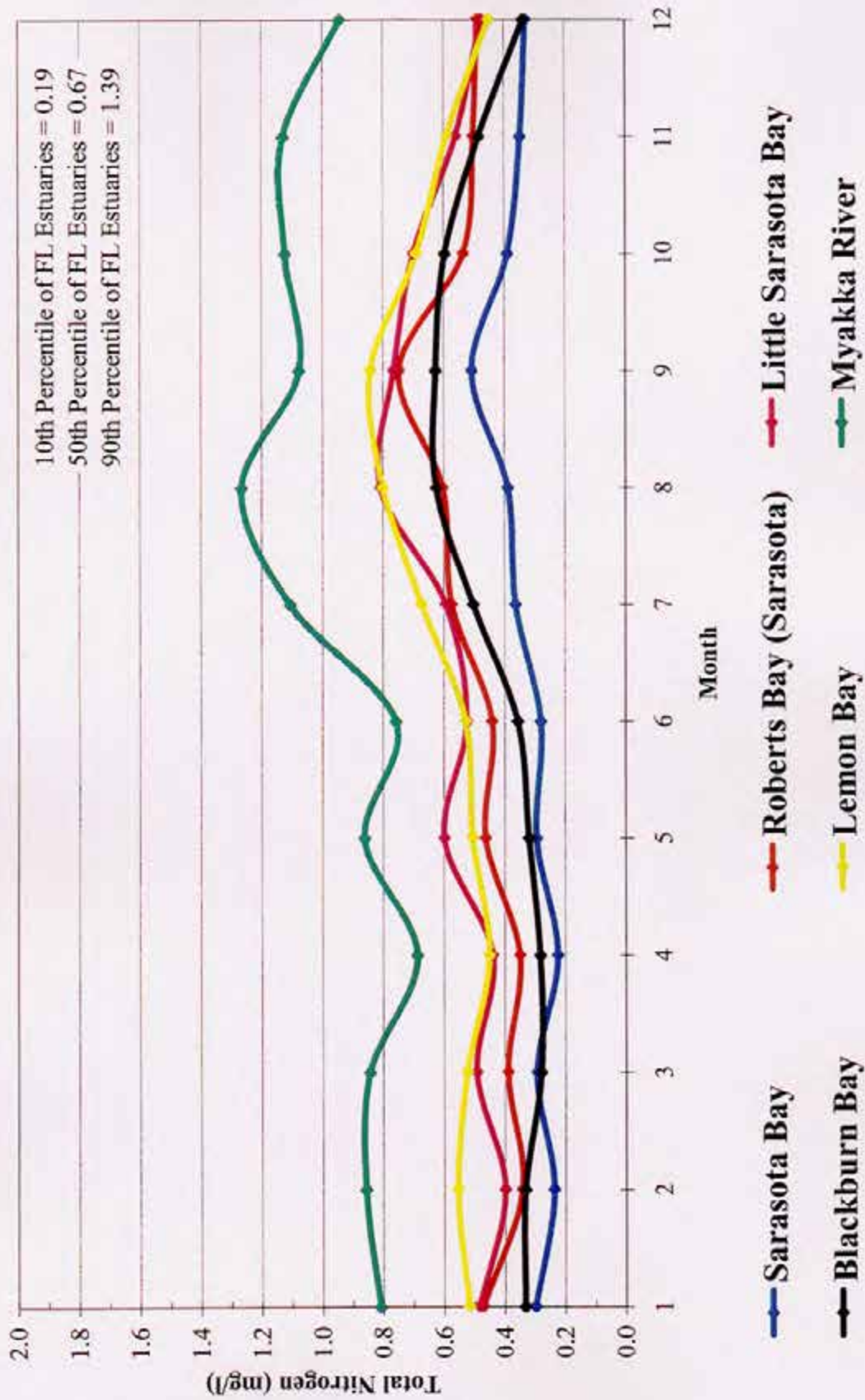
Lemon Bay - All Data



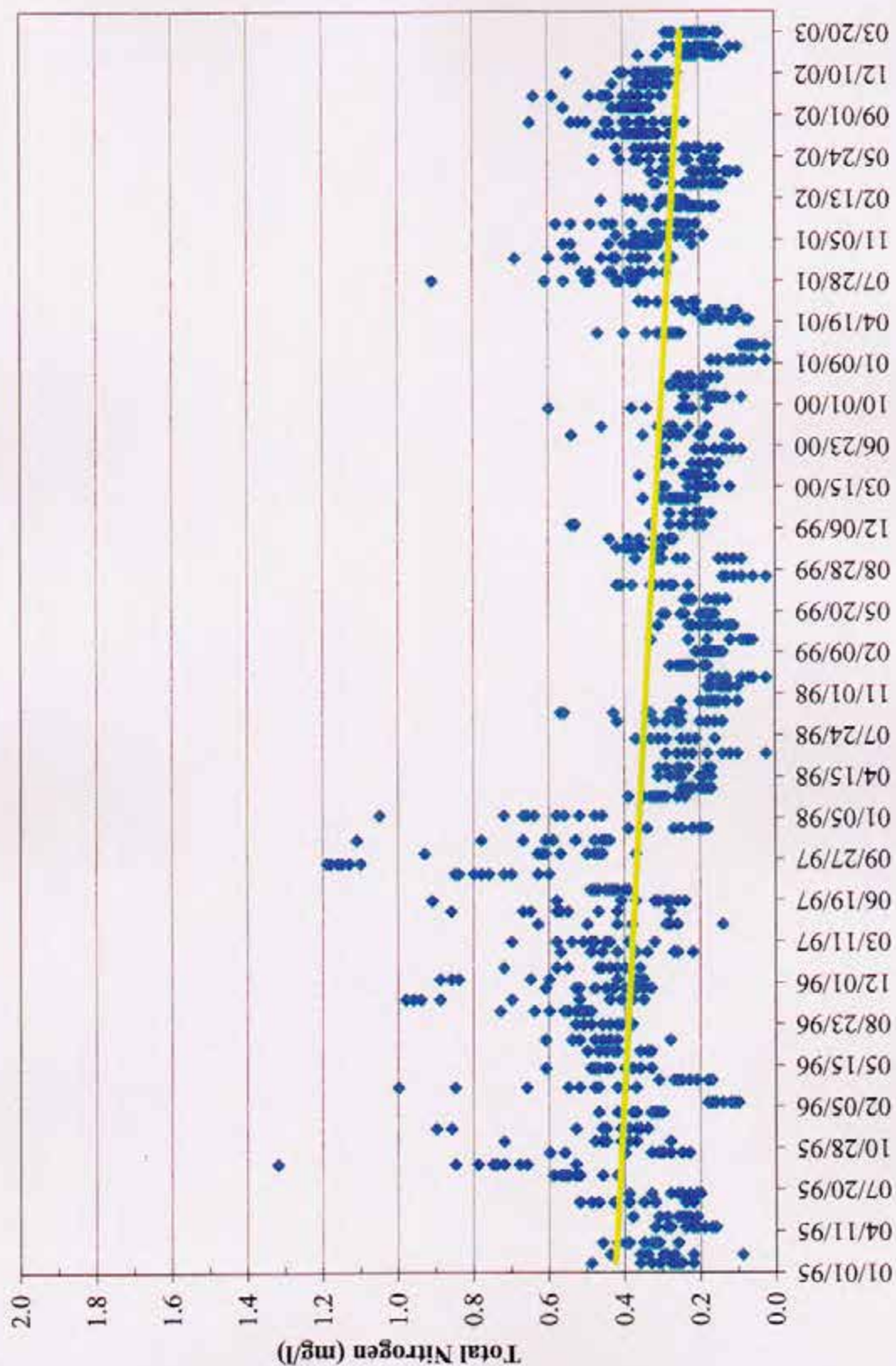
Myakka River - All Data



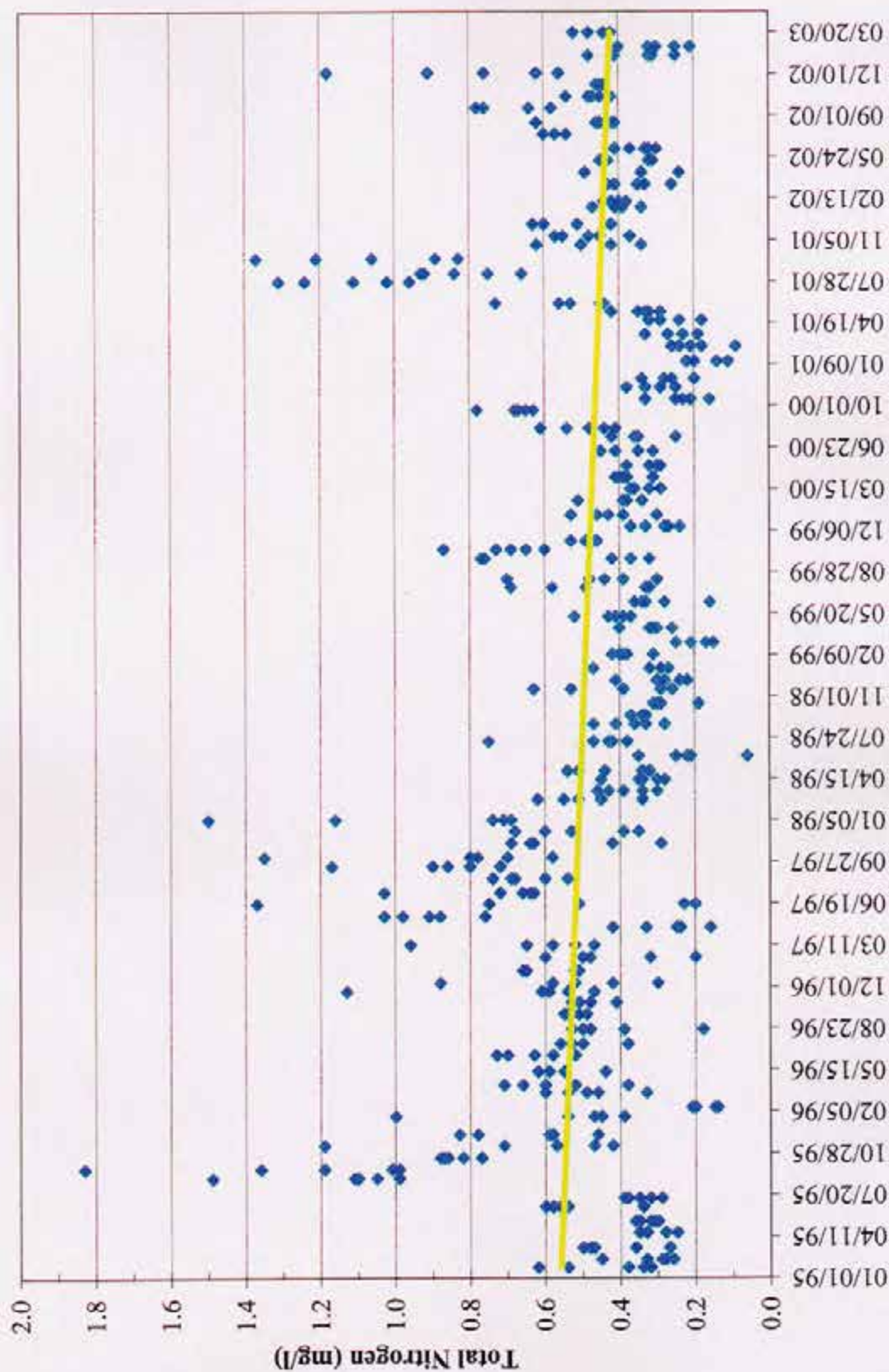
Total Nitrogen Annual Fluctuations 1995-2003



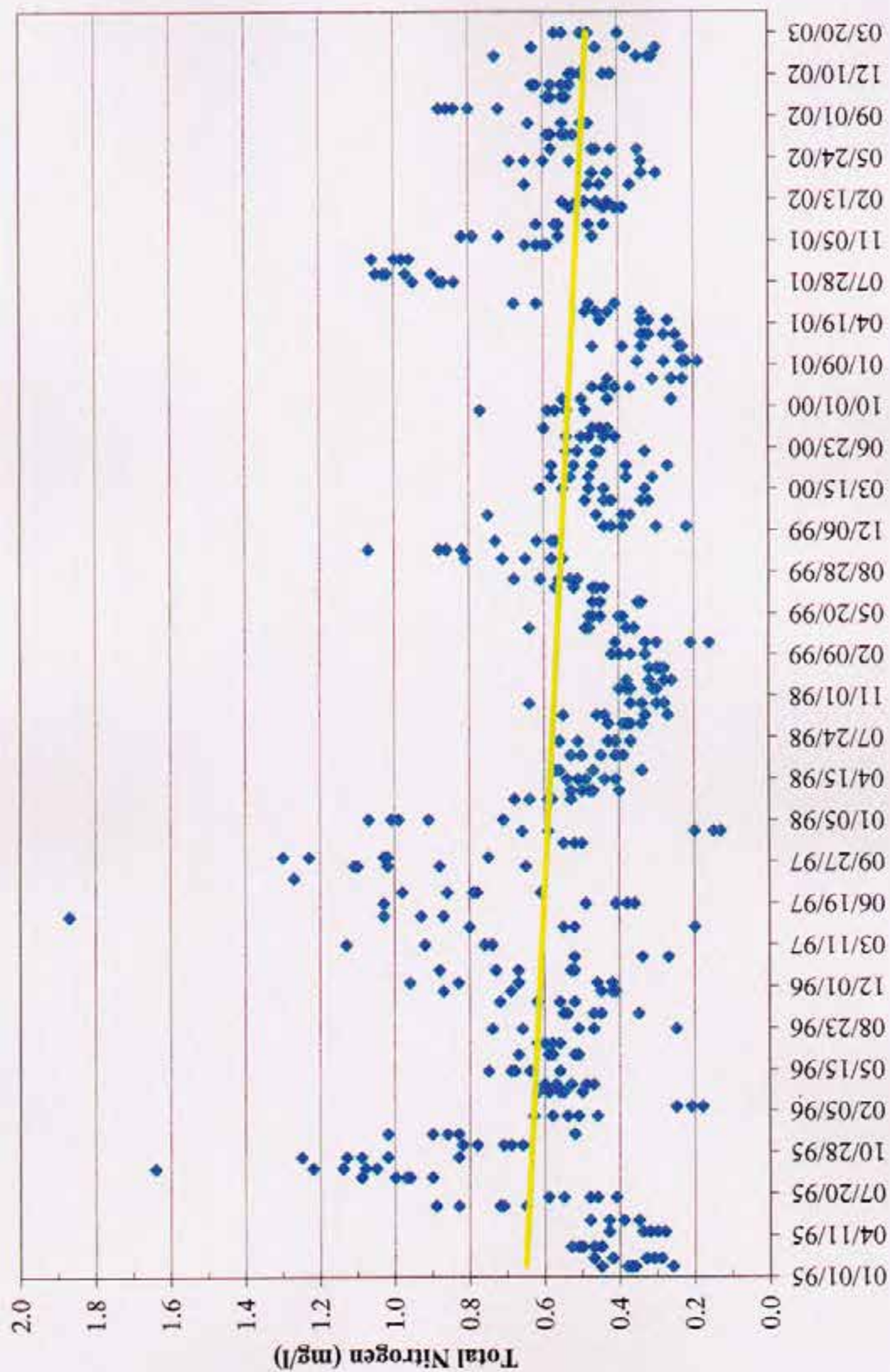
Sarasota Bay - All Data



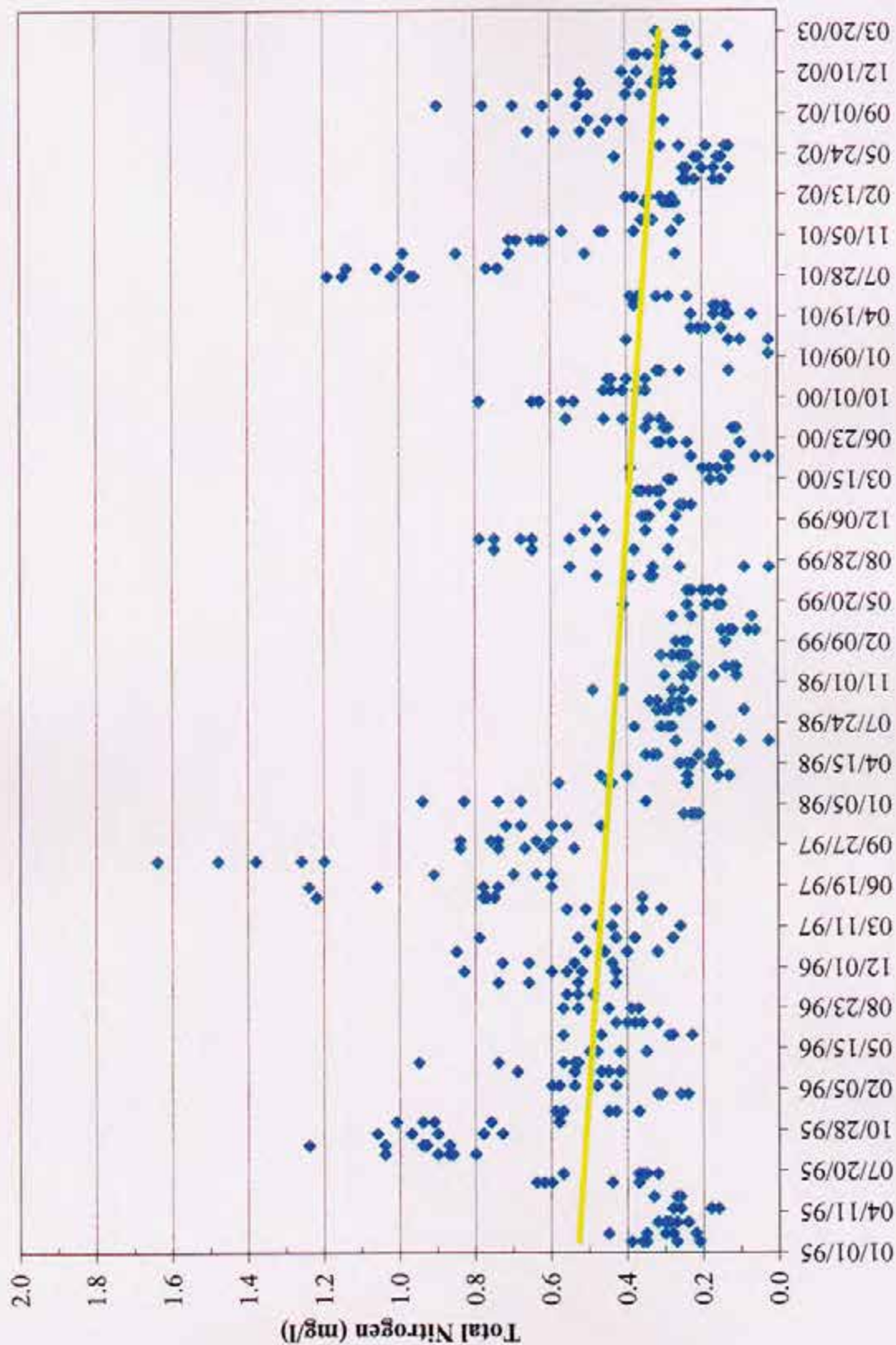
Roberts Bay (Sarasota) - All Data



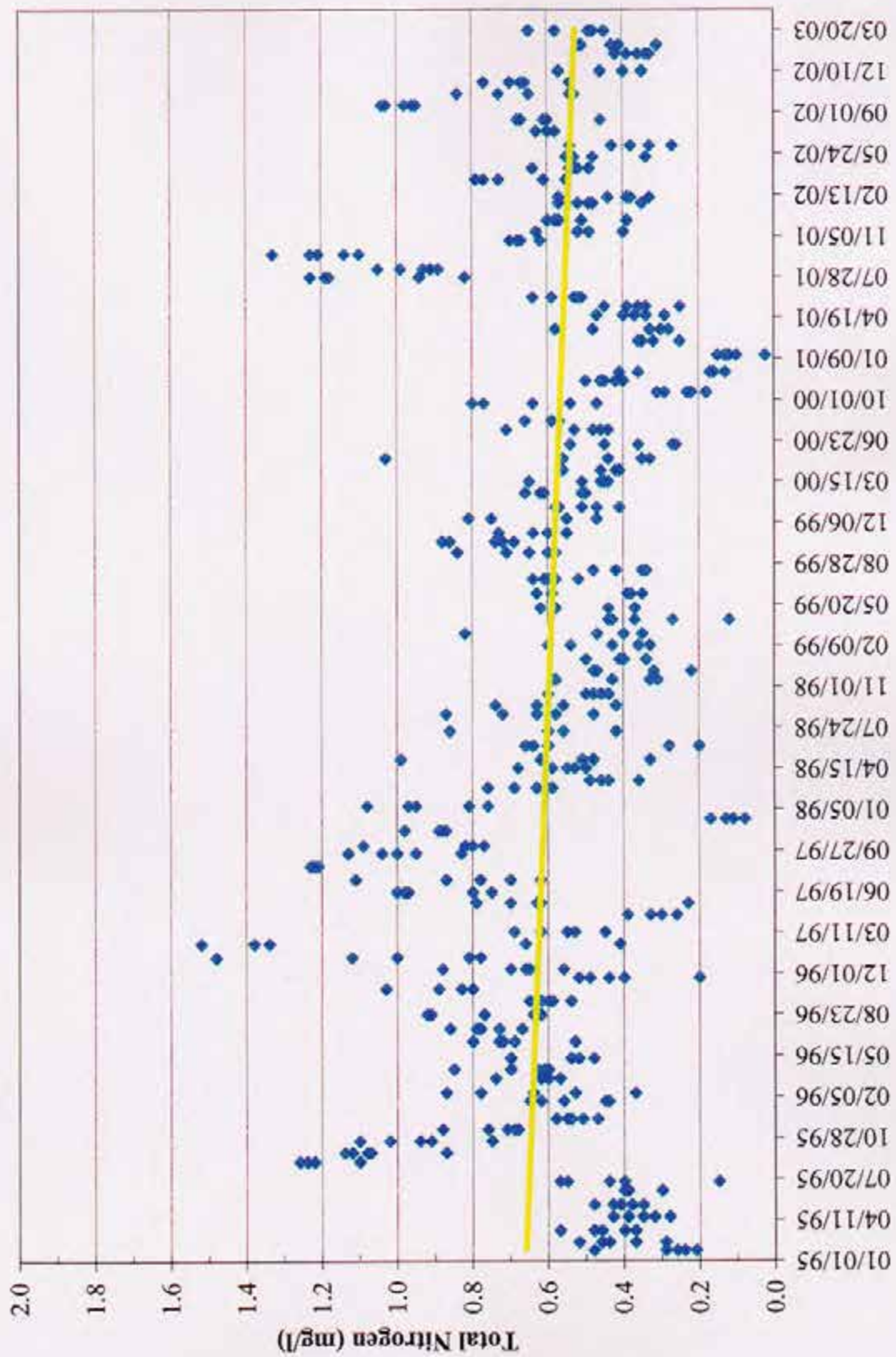
Little Sarasota Bay - All Data



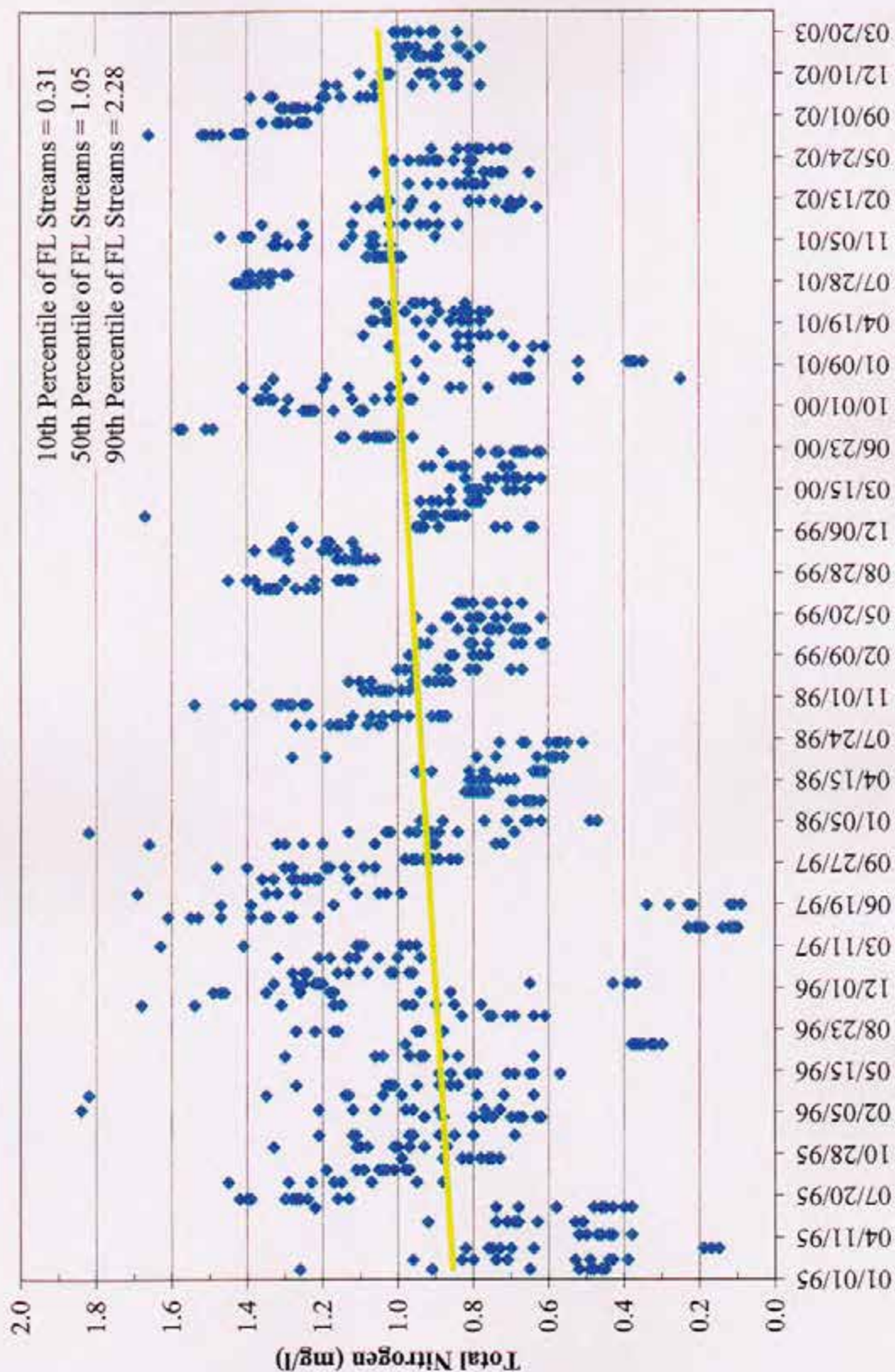
Blackburn Bay - All Data



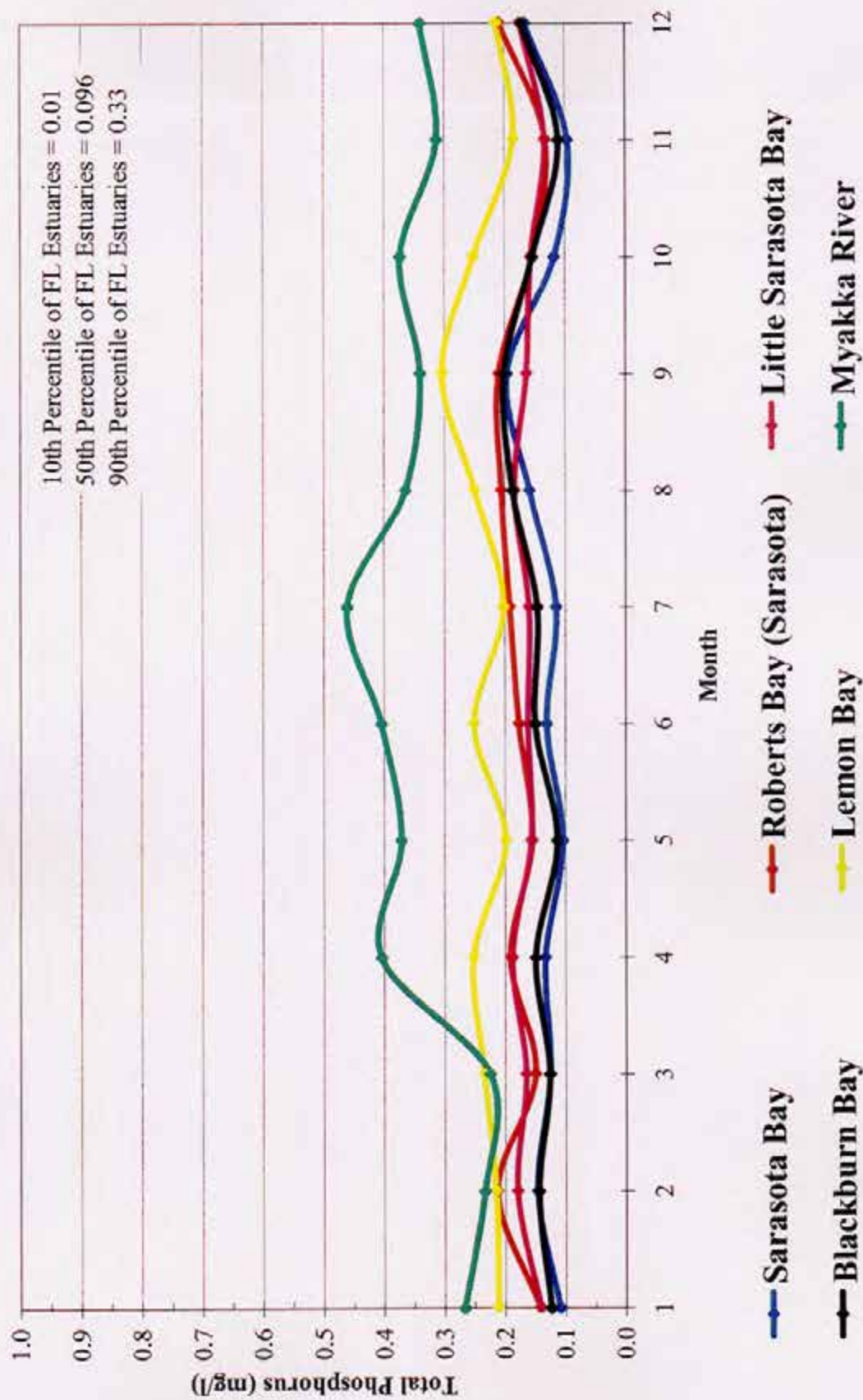
Lemon Bay - All Data



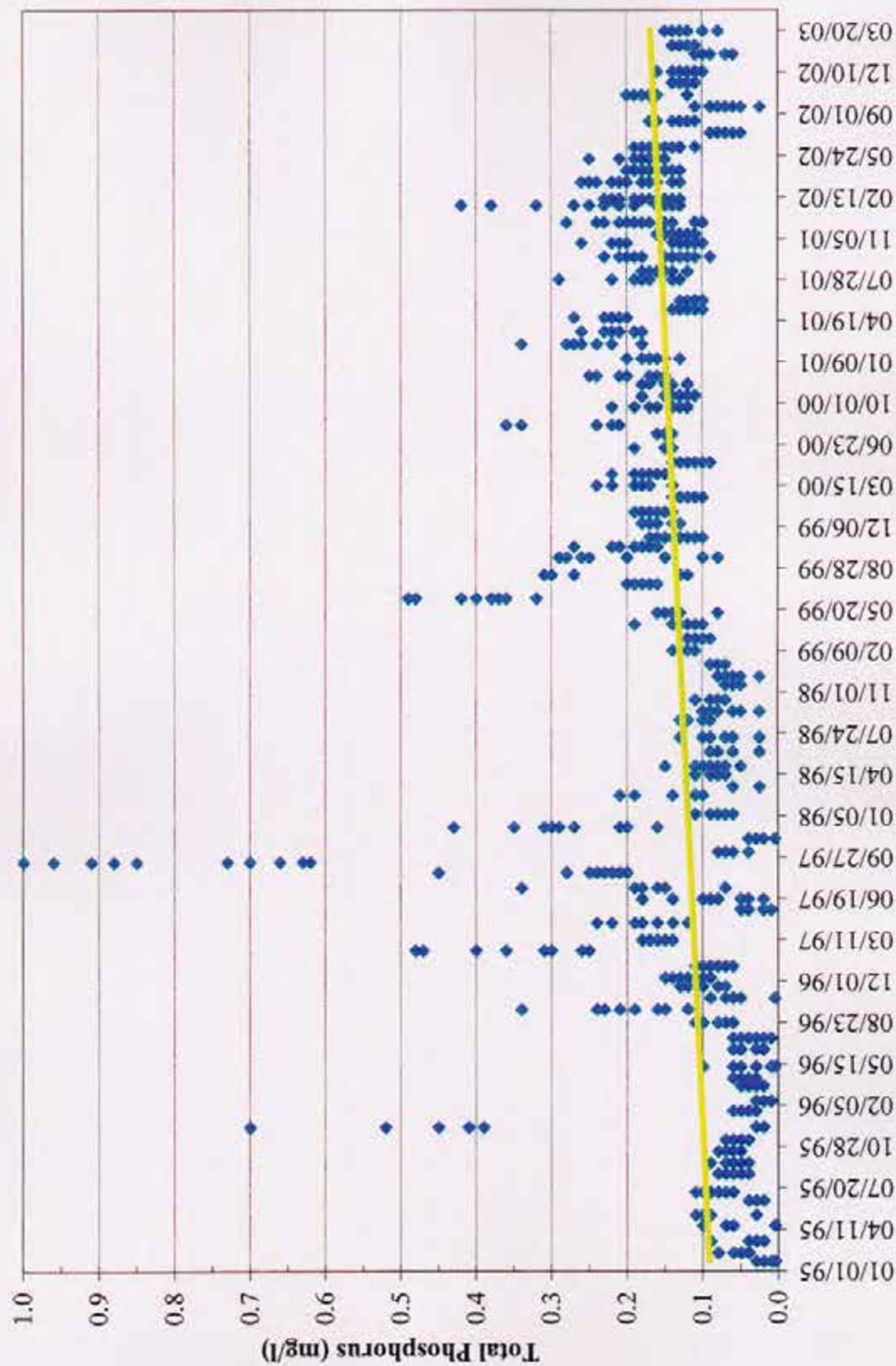
Myakka River - All Data



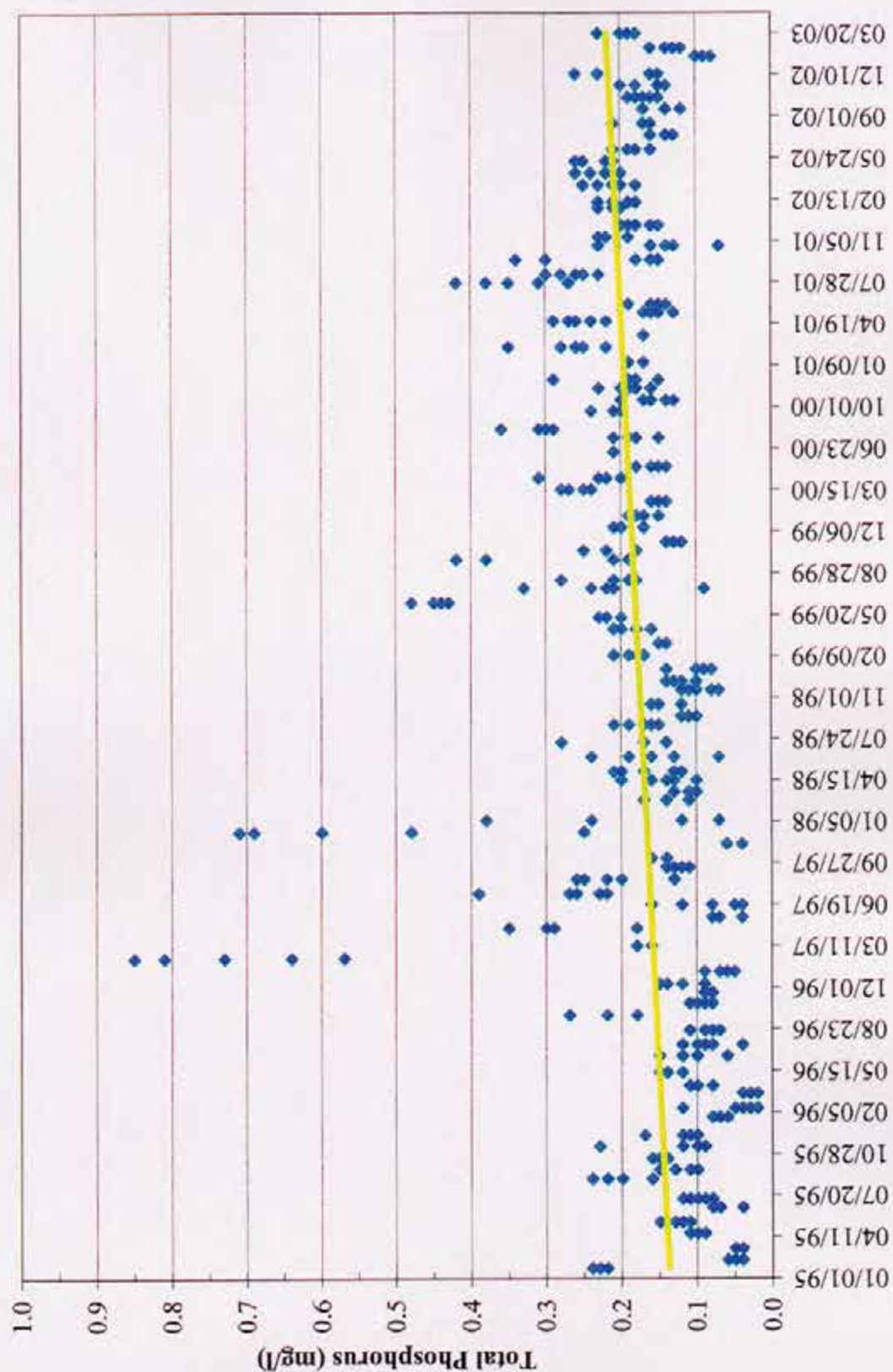
Total Phosphorus Annual Fluctuations 1995-2003



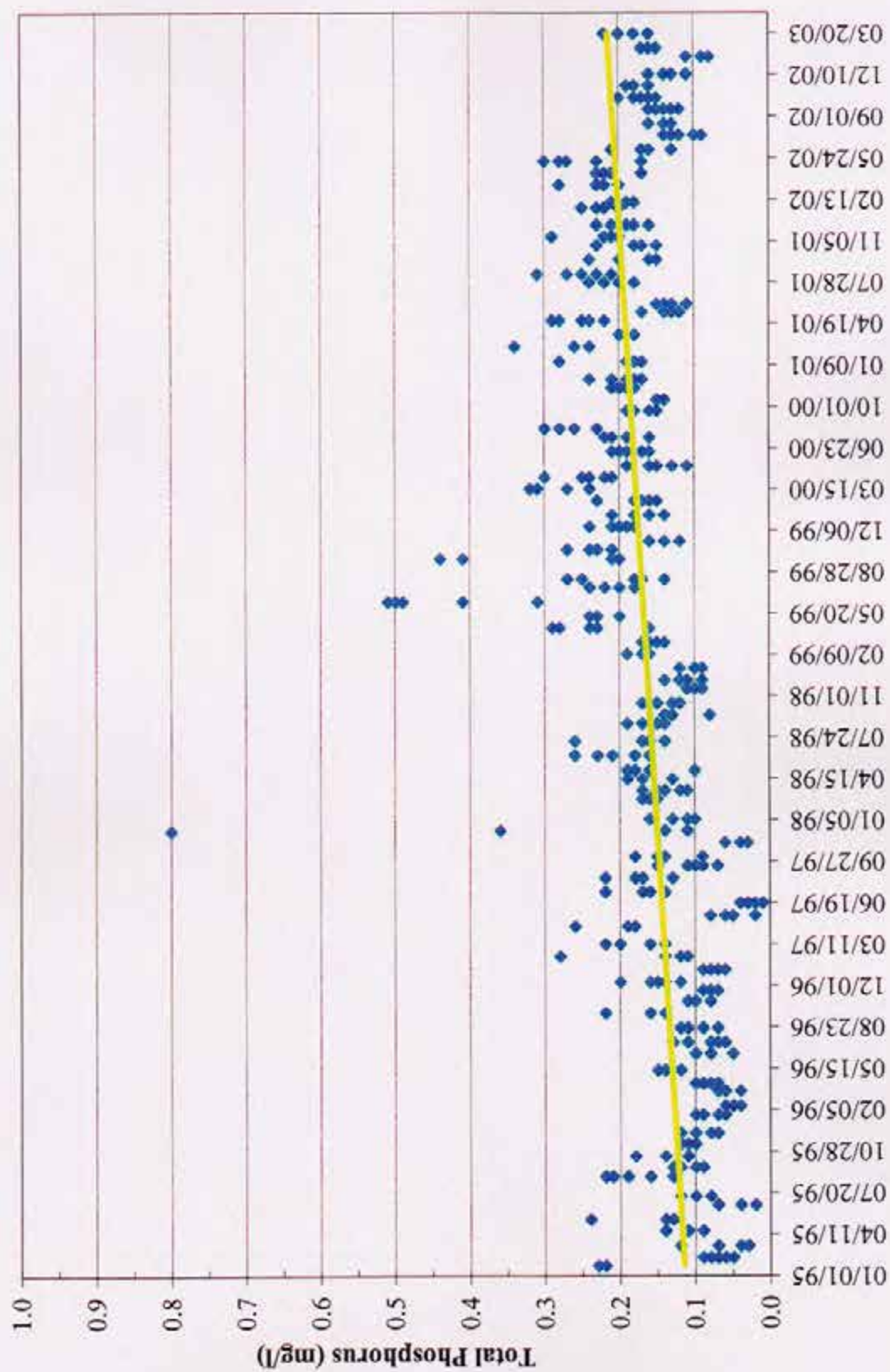
Sarasota Bay - All Data



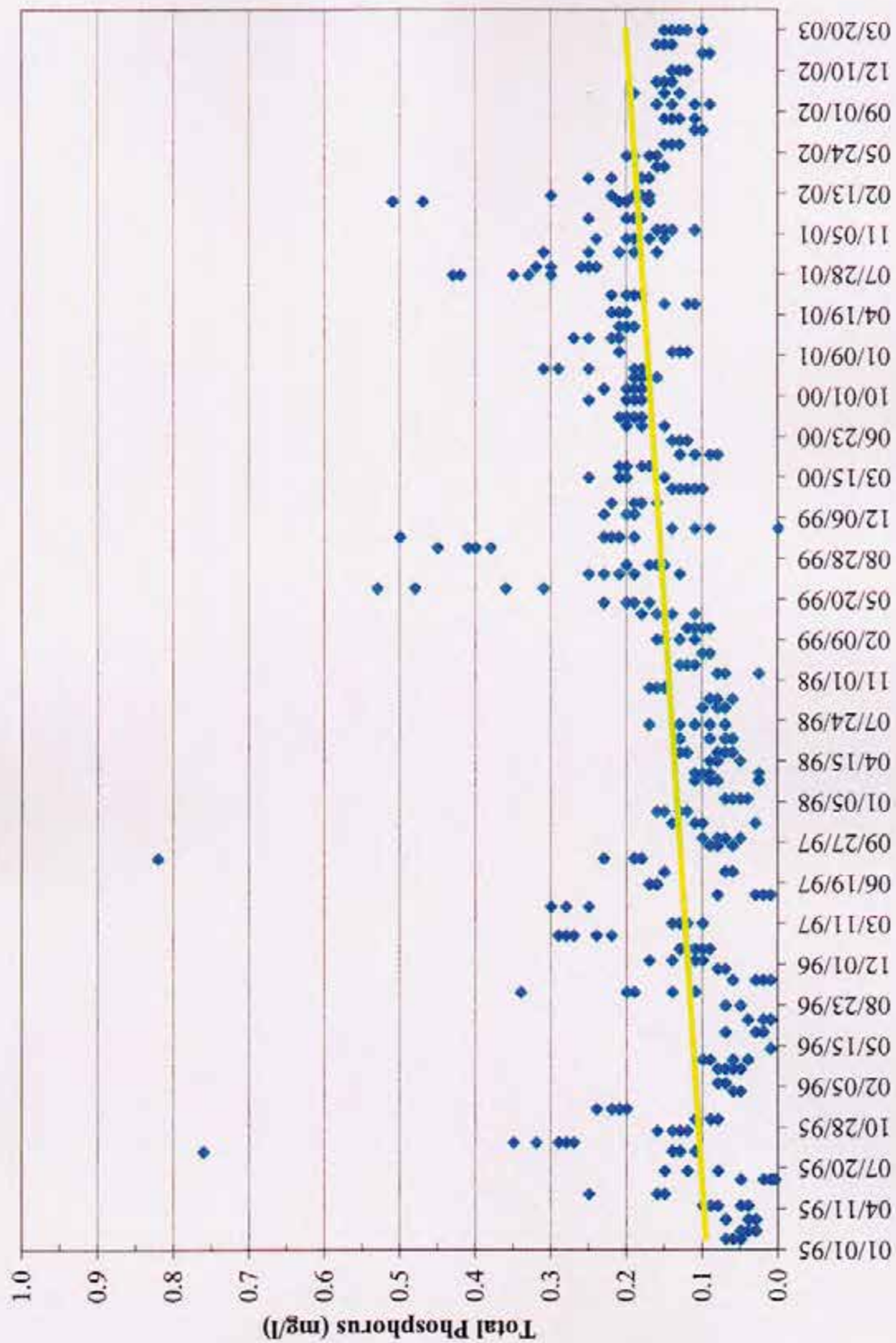
Roberts Bay (Sarasota) - All Data



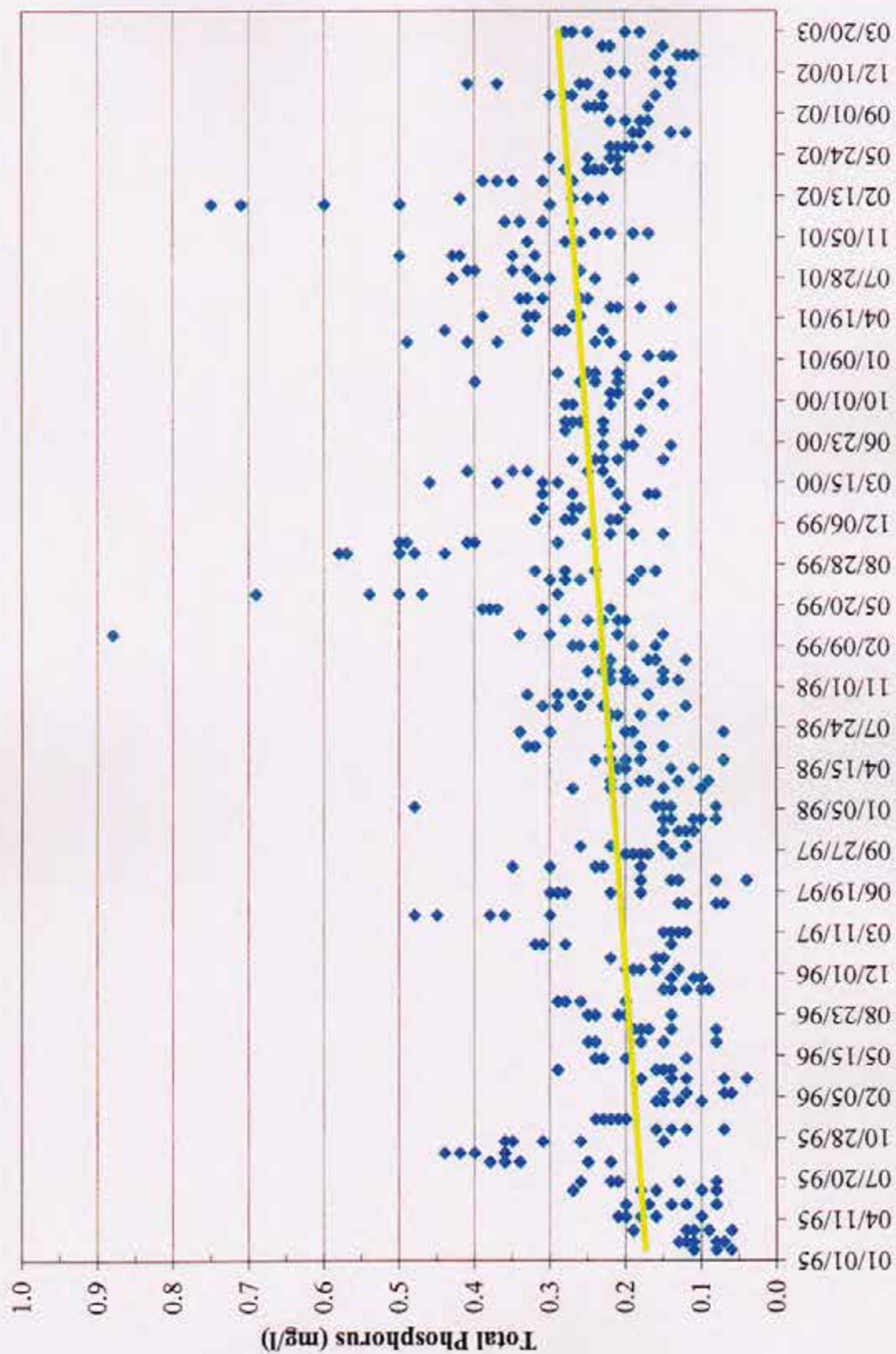
Little Sarasota Bay - All Data



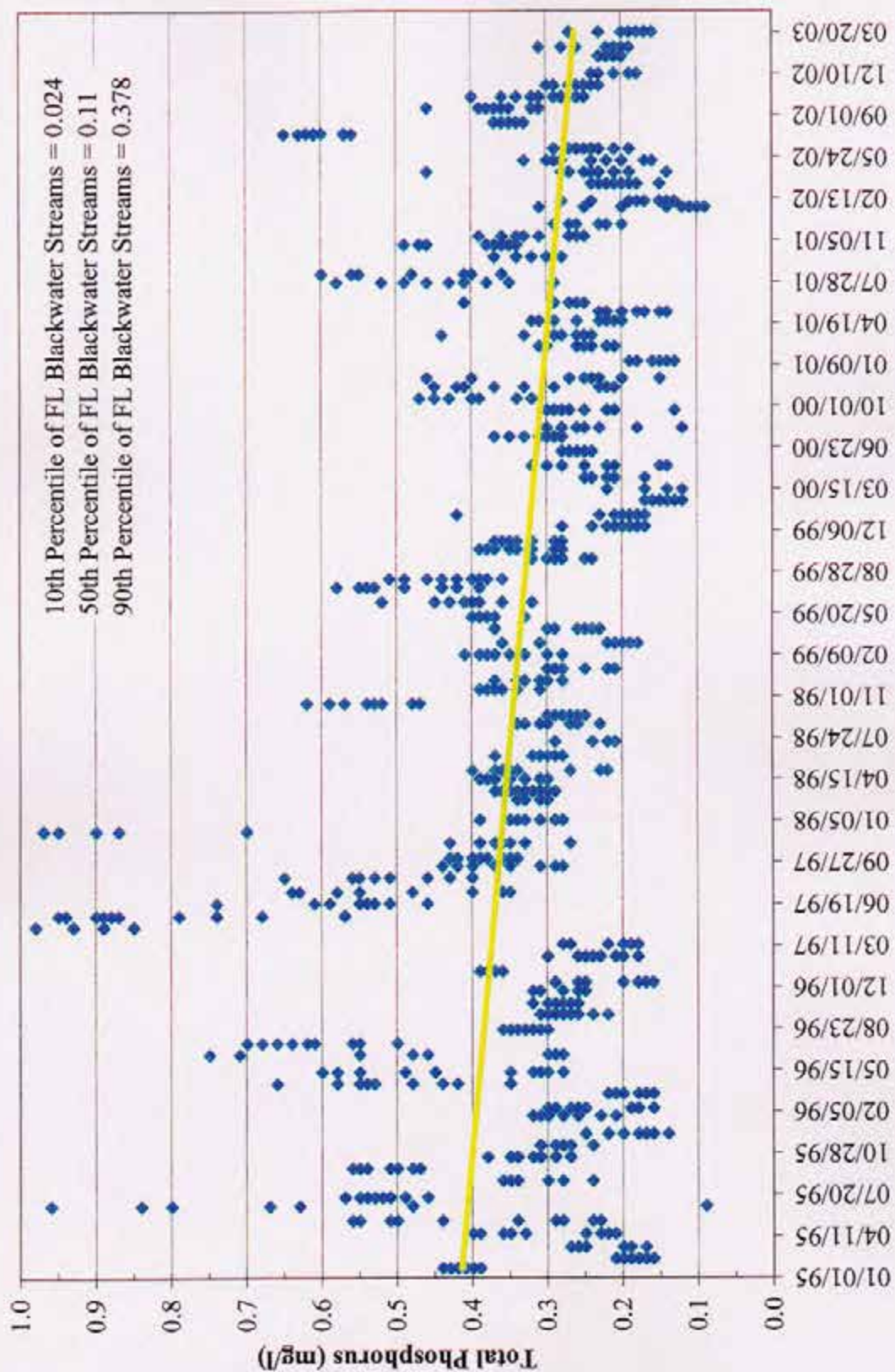
Blackburn Bay - All Data



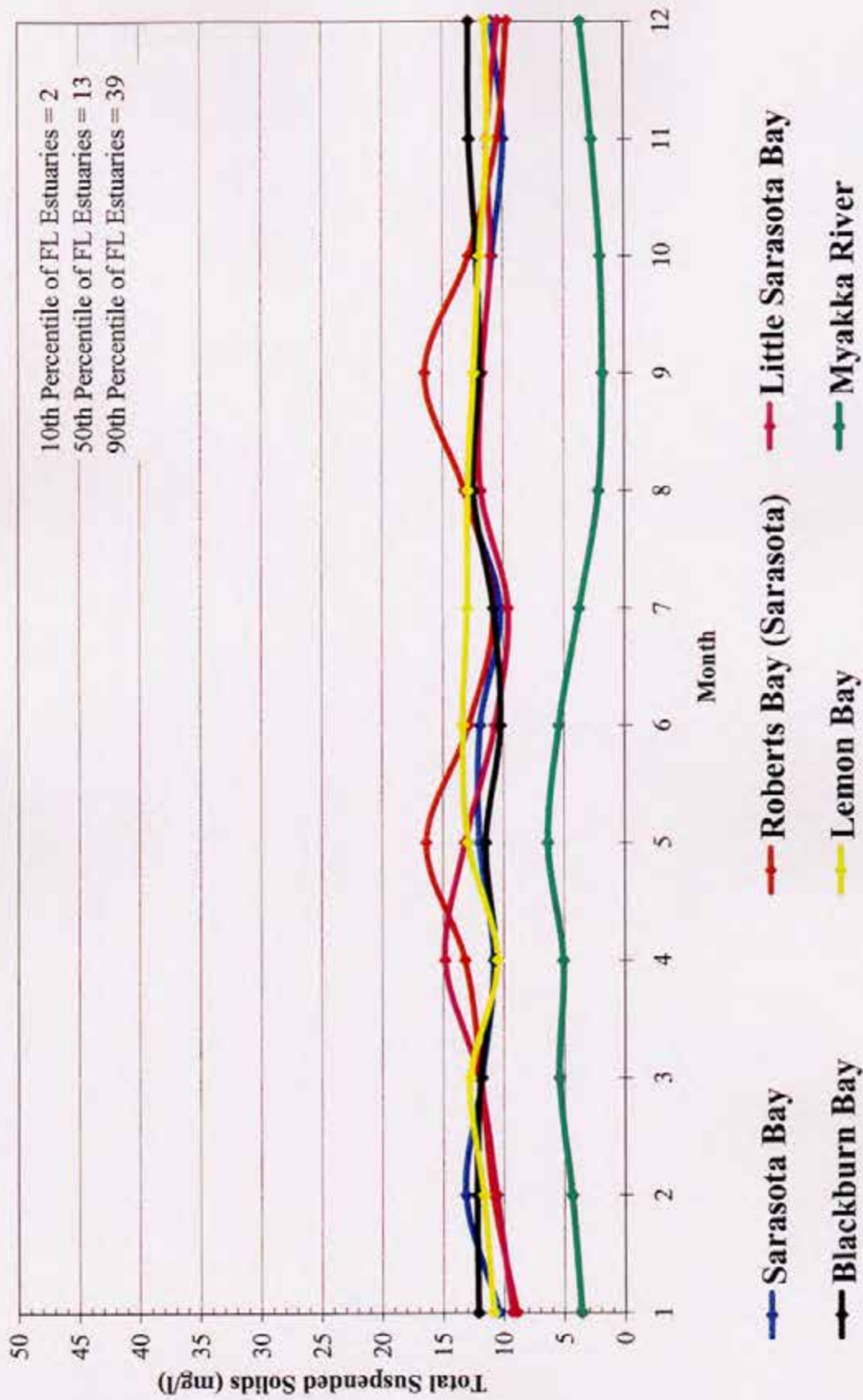
Lemon Bay - All Data



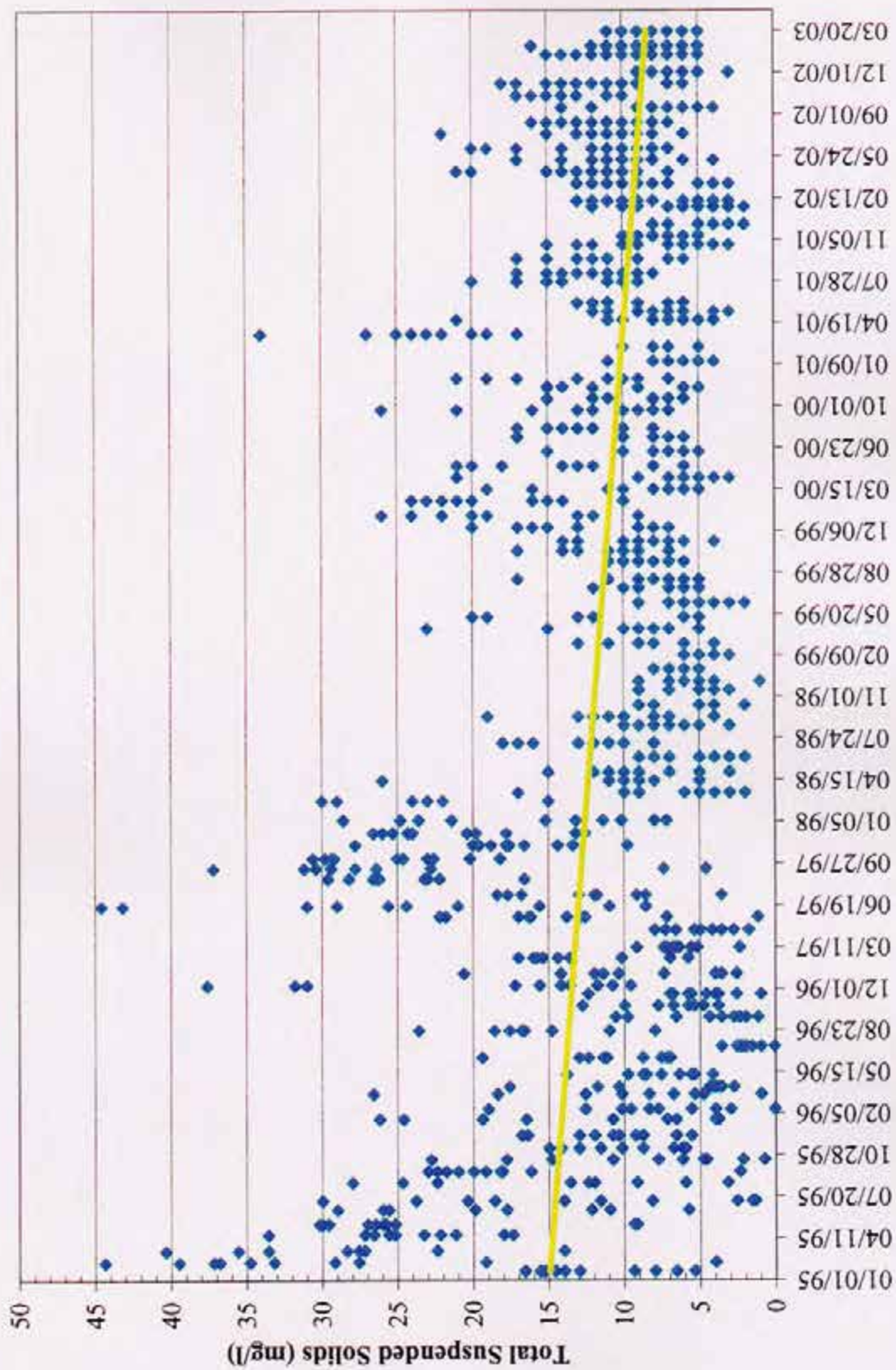
Myakka River - All Data



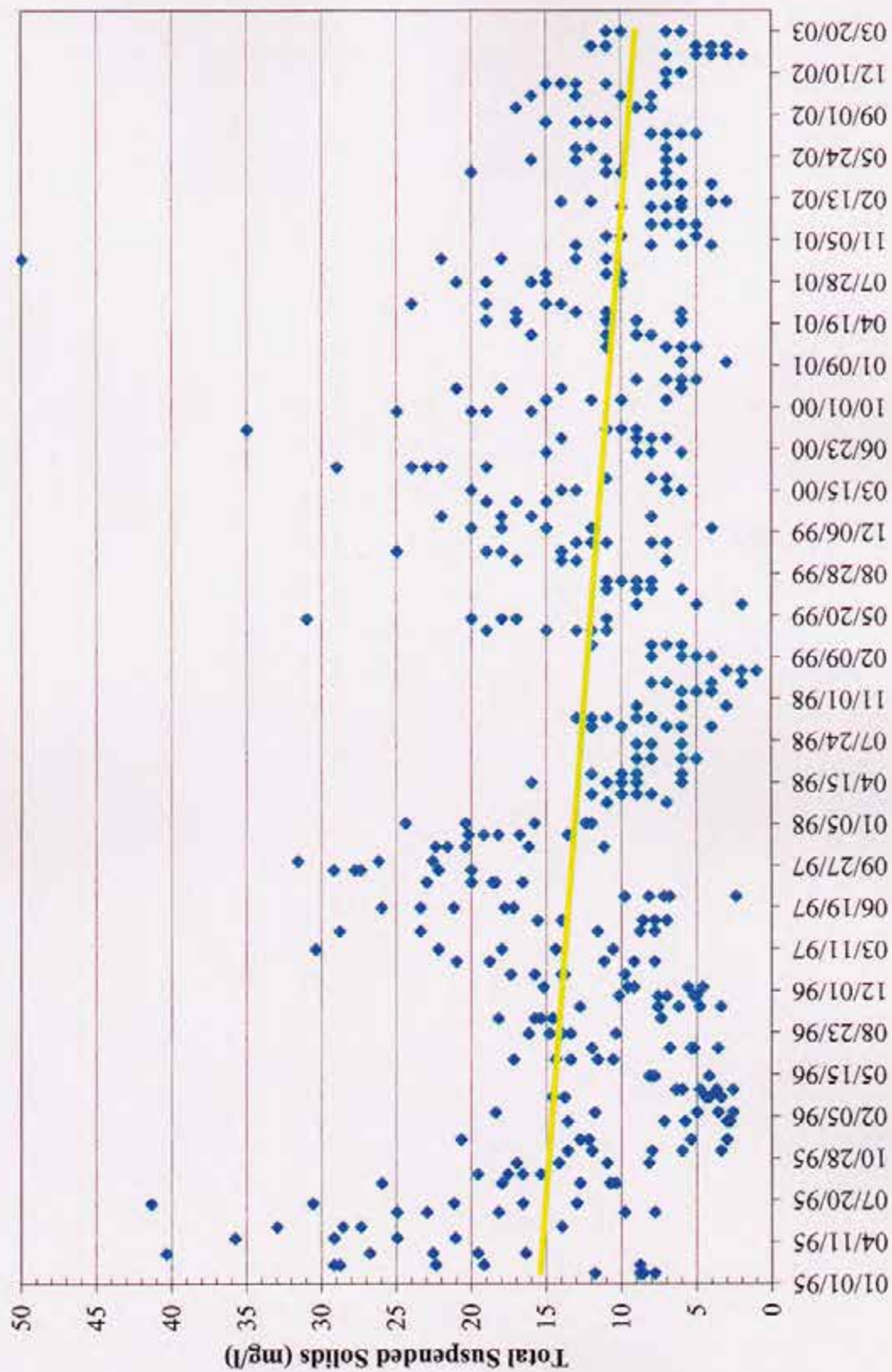
Total Suspended Solids Annual Fluctuations 1995-2003



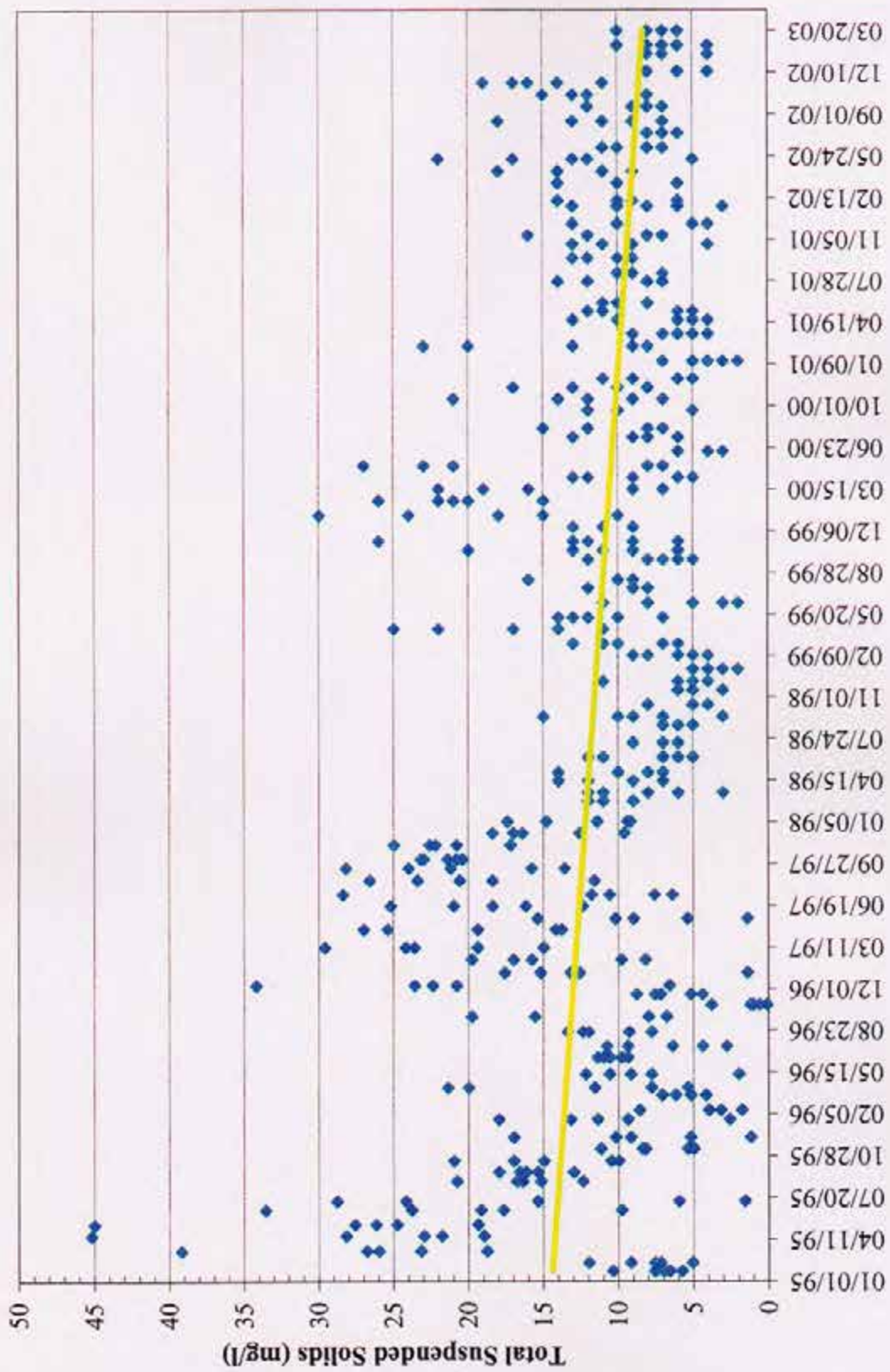
Sarasota Bay - All Data



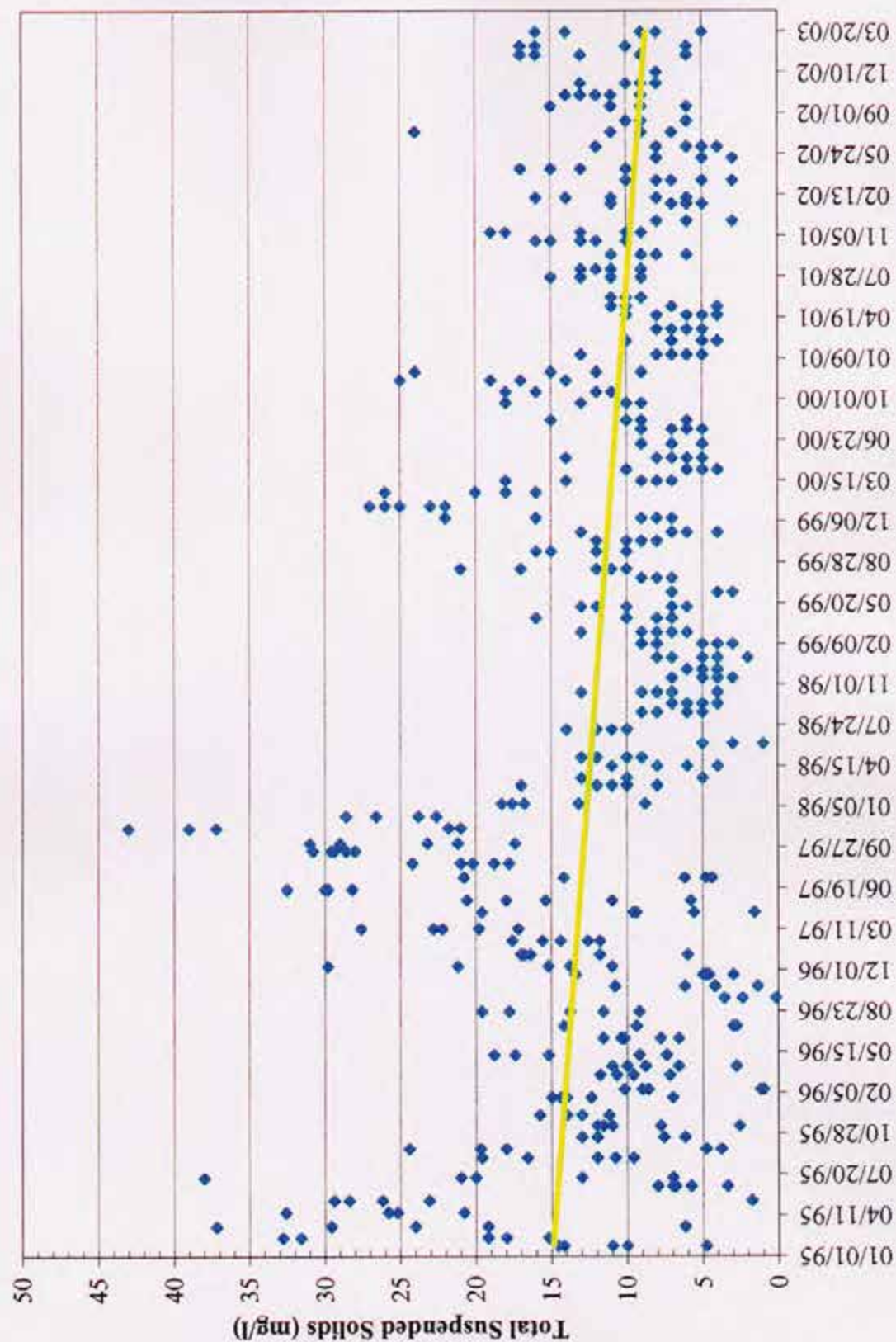
Roberts Bay (Sarasota) - All Data



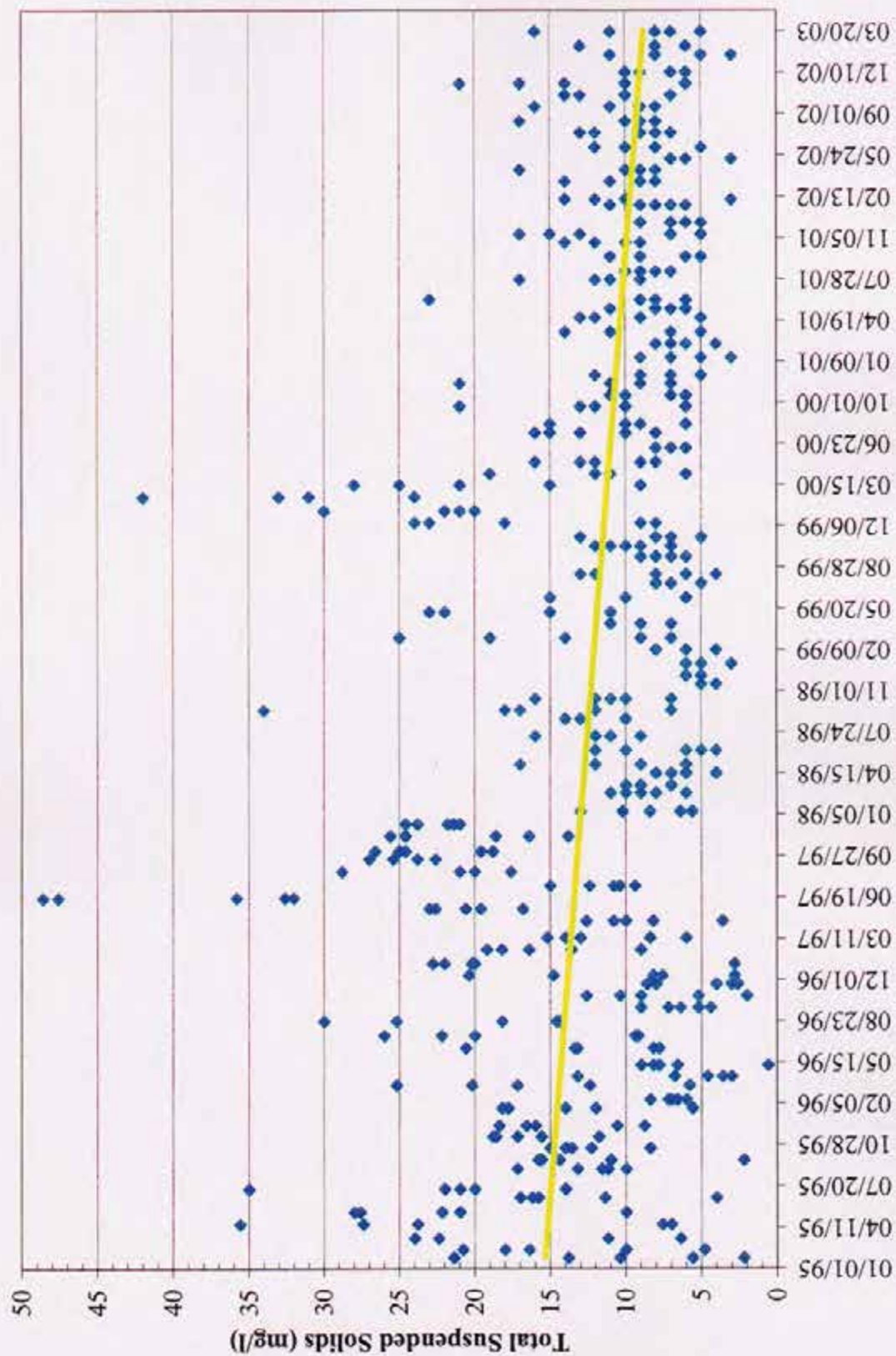
Little Sarasota Bay - All Data



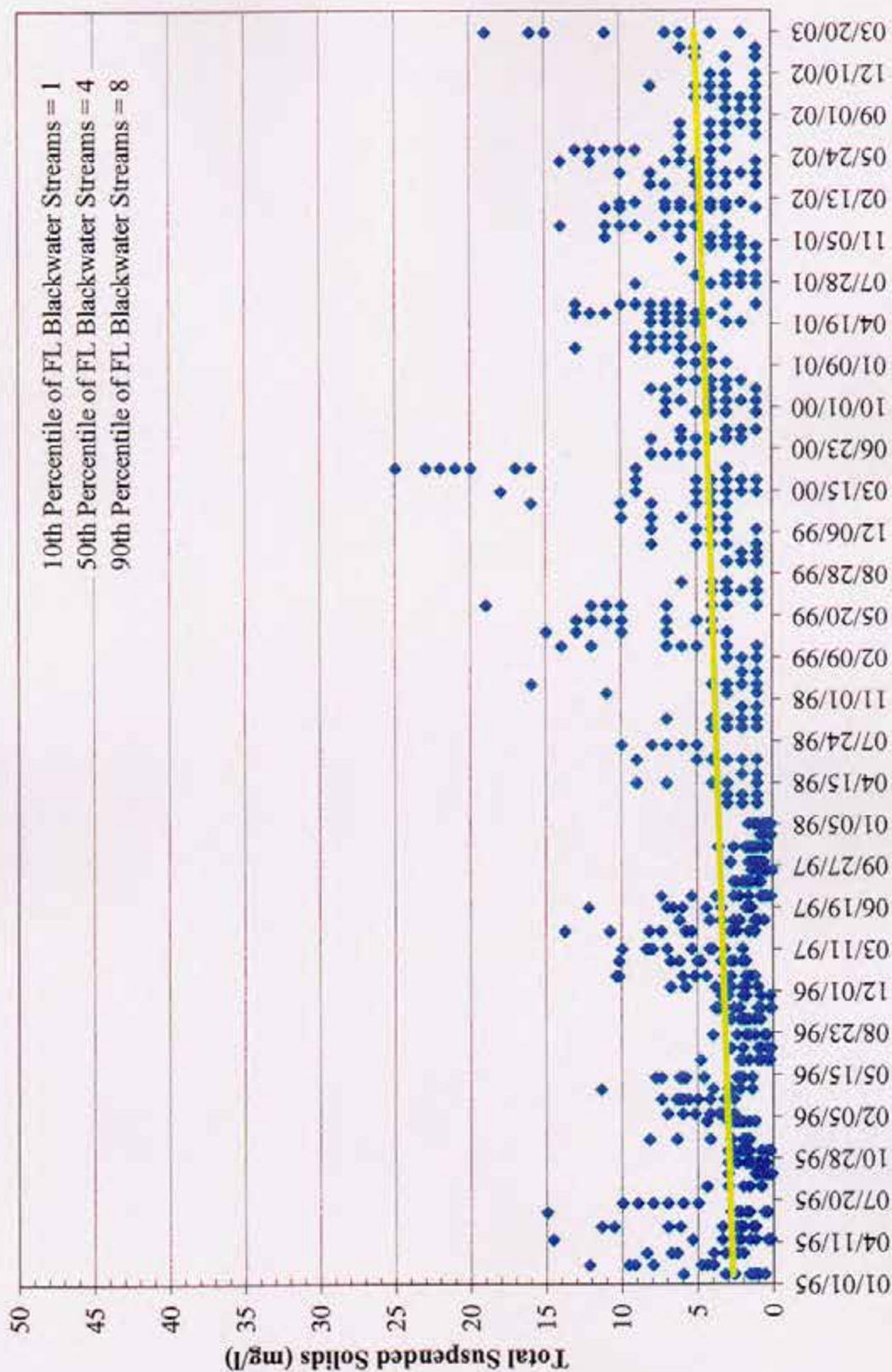
Blackburn Bay - All Data



Lemon Bay - All Data



Myakka River - All Data



Water Quality Monitoring Sampling Locations



Legend

sample location/date

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Surface Water Monitoring 1998 - 2002

Location	Date	Time	Reason Sampled	Oxygen Dissolved Field (mg/l)	Conductance Specific Field (uS)	Total Suspended Solids mg/L	Total Dissolved Solids mg/L	Oil & Grease mg/L	Biological Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Hardness as CaCO3 (mg/l)
Phillippi Creek at Bahia Vista Street.	5/15/1998	1052	Dry Season	8.18	804	4.0	436.0	<1.000	<2.0	30.0	N/A
Phillippi Creek at Bahia Vista Street.	5/18/1999	1055	Dry Season	5.8	1008	8.0	730	<1.0	<2.0	28	N/A
Phillippi Creek at Bahia Vista Street.	7/21/1999	1430	Wet Season	2.22	751	3.5	410	<1.0	<2.0	18	N/A
Phillippi Creek at Bahia Vista Street.	4/28/2000	1315	Dry Season	2.98	800	3.5	500	N/A	<2.0	36	N/A
Phillippi Creek at Bahia Vista Street.	7/24/2000	1315	Wet Season	4.87	683	1.3	420	N/A	<2.0	38	N/A
Phillippi Creek at Bahia Vista Street.	5/8/2001	1500	Dry Season	8.75	618	7.2	560	N/A	<2.0	45	N/A
Phillippi Creek at Bahia Vista Street. DUPLICATE	5/8/2001	1500	Dry Season	8.75	618	<1.0	500	N/A	<2.0	48	N/A
Phillippi Creek at Bahia Vista Street.	7/31/2001	1330	Wet Season	7.90	455	8.5	360	N/A	2.70	48	200
Phillippi Creek at Bahia Vista Street.	9/12/2002	915	Wet Season	3.78	559.2	20.00	380	<5.1	<3.3	39	220
Phillippi Creek at Bahia Vista Street.	12/30/2002	1715	Dry Season	8.48	599.4	10.00	460	5.8	<2.0	61	270
Phillippi Creek at Coburn Road.	5/15/1998	1131	Dry Season	4.6	672	7.2	364.0	<1.000	<2.0	38.0	N/A
Phillippi Creek at Coburn Road.	5/18/1999	1140	Dry Season	4.8	680	11	450	8.8	4.37	41	N/A
Phillippi Creek at Coburn Road.	7/21/1999	1330	Wet Season	1.5	662	9.5	320	<1.0	<2.0	33	N/A
Phillippi Creek at Coburn Road. DUPLICATE	7/21/1999	1300	Wet Season	N/A	N/A	7.0	340	<1.0	2.71	21	N/A
Phillippi Creek at Coburn Road.	4/28/2000	1245	Dry Season	2.04	761	<1.0	430	N/A	32	47	N/A
Phillippi Creek at Coburn Road.	7/24/2000	1220	Wet Season	N/A	N/A	12	430	N/A	2.02	50	N/A
Phillippi Creek at Coburn Road. DUPLICATE	7/24/2000	1210	Wet Season	2.00	890	10	420	N/A	2.86	48	N/A
Phillippi Creek at Coburn Road.	5/8/2001	1030	Dry Season	8.14	546	11	530	N/A	2.20	52	N/A
Phillippi Creek at Coburn Road.	7/31/2001	0900	Wet Season	7.20	410	1.5	290	N/A	3.68	54	180
Phillippi Creek at Coburn Road.	8/12/2002	1021	Wet Season	2.20	555.5	7.70	330	7.5	<2.0	49	240
Phillippi Creek at Coburn Road.	12/30/2002	1630	Dry Season	7.58	504.2	<5.0	340	6.5	<2.0	51	230

Surface Water Monitoring 1998 - 2002

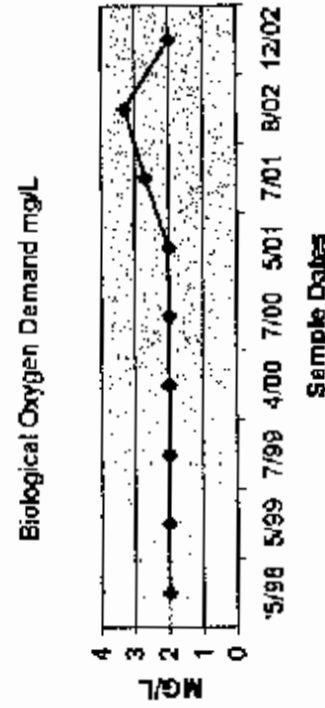
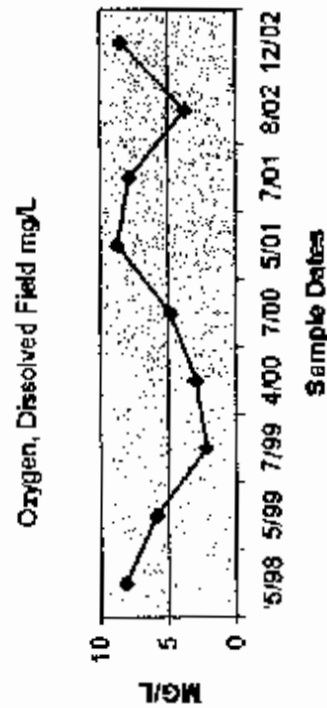
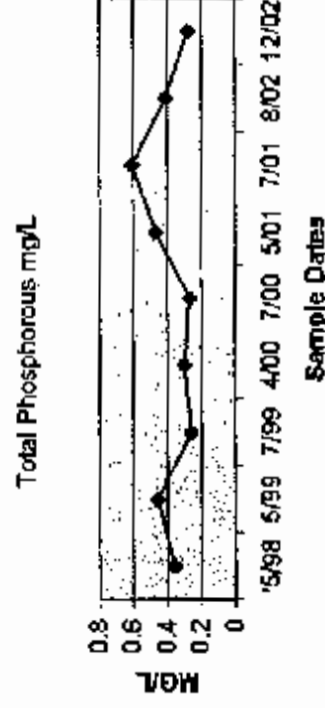
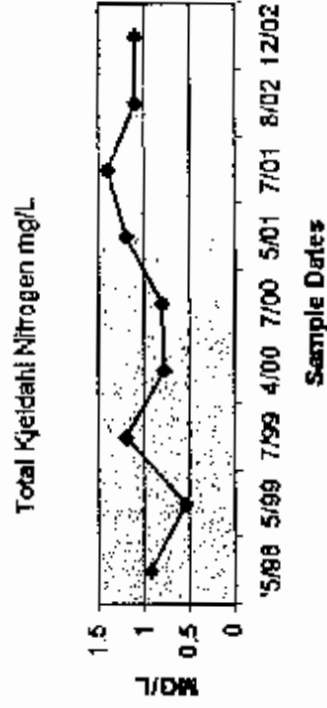
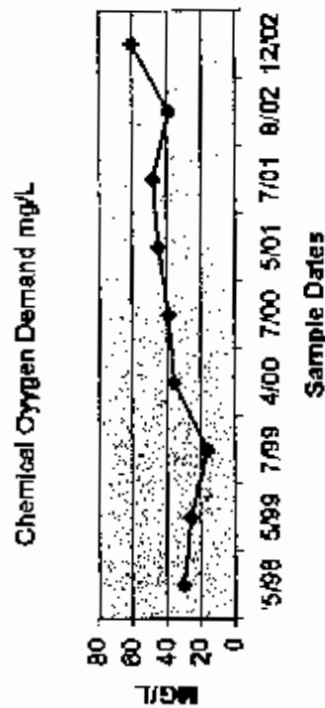
Location	Date	Hardy mg/L	Nitrate mg/L	Nitrate + Nitrite mg/L	Total Nitrogen mg/L	Nitrogen Total mg/L	Dissolved Phosphorus mg/L	Total Phosphorus mg/L
Philippi Creek at Bahia Vista Street.	5/15/1998	0.008	0.008	0.015	0.801	0.948	0.325	0.356
Philippi Creek at Bahia Vista Street.	5/15/1999	<0.010	0.015	0.018	0.54	0.558	0.58	0.46
Philippi Creek at Bahia Vista Street.	7/21/1998	N/A	N/A	0.25	1.2	1.45	0.25	0.26
Philippi Creek at Bahia Vista Street.	4/26/2000	<0.010	<0.010	<0.010	0.78	0.785	0.24	0.30
Philippi Creek at Bahia Vista Street.	7/24/2000	N/A	N/A	0.17	0.80	0.87	0.25	0.27
Philippi Creek at Bahia Vista Street.	5/8/2001	N/A	N/A	<0.050	1.2	N/A	0.36	0.47
Philippi Creek at Bahia Vista Street. DUPLICATE	5/8/2001	N/A	N/A	0.25	0.85	1.1	0.30	0.40
Philippi Creek at Bahia Vista Street.	7/31/2001	N/A	N/A	0.43	1.4	1.60	0.33	0.61
Philippi Creek at Bahia Vista Street.	8/12/2002	0.016	0.19	0.2	1.1	N/A	0.17	0.41
Philippi Creek at Bahia Vista Street.	12/30/2002	0.04	0.59	0.63	1.1	N/A	0.088	0.28
Philippi Creek at Coburn Road.	5/15/1998	0.010	0.017	0.027	0.804	0.931	0.066	0.213
Philippi Creek at Coburn Road.	5/16/1999	<0.010	<0.010	0.012	0.61	0.622	0.071	0.063
Philippi Creek at Coburn Road.	7/21/1999	N/A	N/A	0.12	1.2	1.32	0.12	0.11
Philippi Creek at Coburn Road. DUPLICATE	7/21/1999	N/A	N/A	0.12	1.1	1.22	0.13	0.082
Philippi Creek at Coburn Road.	4/26/2000	<0.010	<0.010	<0.010	0.89	0.895	<0.025	<0.10
Philippi Creek at Coburn Road.	7/24/2000	N/A	N/A	0.11	1.3	1.41	0.19	0.24
Philippi Creek at Coburn Road. DUPLICATE	7/24/2000	N/A	N/A	0.11	1.2	1.31	0.18	0.22
Philippi Creek at Coburn Road.	5/6/2001	N/A	N/A	<0.050	0.76	N/A	<0.1	<0.10
Philippi Creek at Coburn Road.	7/31/2001	N/A	N/A	0.085	1.5	1.566	0.24	0.35
Philippi Creek at Coburn Road.	8/12/2002	0.012	0.25	0.26	1.1	N/A	0.042	0.15
Philippi Creek at Coburn Road.	12/30/2002	0.01	0.33	0.34	0.83	N/A	<0.0040	0.089

Surface Water Monitoring 1998 - 2002

Location	Date	Cadmium mg/L Cadmium mg/L Dissolved (mg/L)	Chromium mg/L Chromium mg/L Dissolved (mg/L)	Copper mg/L Copper mg/L Dissolved (mg/L)	Lead mg/L Lead Dissolved (mg/L)	Zinc mg/L Zinc mg/L Dissolved (mg/L)	
Phillippi Creek at Bahia Vista Street	5/15/1998	<0.001500	<0.001000	N/A	0.000610	N/A	0.035000
Phillippi Creek at Bahia Vista Street	5/18/1999	<0.0010	<0.010	N/A	0.0011	N/A	<0.025
Phillippi Creek at Bahia Vista Street	7/21/1999	<0.0010	<0.010	N/A	0.0027	N/A	0.035
Phillippi Creek at Bahia Vista Street	4/28/2000	<0.0010	<0.0050	<0.0060	0.0027	<0.0050	<0.020
Phillippi Creek at Bahia Vista Street	7/24/2000	<0.0010	<0.0050	N/A	<0.010	N/A	<0.020
Phillippi Creek at Bahia Vista Street	5/8/2001	<0.0010	<0.0050	0.0025	0.0024	<0.0050	<0.020
Phillippi Creek at Bahia Vista Street. DUPLICATE	5/8/2001	<0.0010	<0.0050	0.0027	0.0023	<0.0050	<0.020
Phillippi Creek at Bahia Vista Street	7/31/2001	0.00012	<0.0050	0.0048	0.0073	<0.0010	0.029
Phillippi Creek at Bahia Vista Street	9/12/2002	<0.0010	<0.0050	0.0039	0.0028	0.074	<0.020
Phillippi Creek at Bahia Vista Street	12/30/2002	<0.0010	<0.0050	0.0024	0.0029	<0.0050	<0.020
Phillippi Creek at Coburn Road	5/15/1998	<0.001500	<0.001000	N/A	0.000730	N/A	0.025500
Phillippi Creek at Coburn Road	5/18/1999	<0.0010	<0.010	N/A	0.0019	N/A	<0.025
Phillippi Creek at Coburn Road	7/21/1999	<0.0010	<0.010	N/A	0.0011	N/A	<0.025
Phillippi Creek at Coburn Road. DUPLICATE	7/21/1999	<0.0010	<0.010	N/A	0.0013	N/A	<0.025
Phillippi Creek at Coburn Road	4/28/2000	<0.0010	<0.0050	<0.0050	0.0015	<0.0050	<0.020
Phillippi Creek at Coburn Road	7/24/2000	<0.0010	<0.0050	N/A	<0.010	N/A	<0.020
Phillippi Creek at Coburn Road. DUPLICATE	7/24/2000	<0.0010	<0.0050	N/A	<0.010	N/A	<0.020
Phillippi Creek at Coburn Road	5/8/2001	<0.0010	<0.0050	0.0019	0.0011	<0.0050	<0.020
Phillippi Creek at Coburn Road	7/31/2001	<0.0010	<0.0050	0.0033	0.0061	<0.0010	0.035
Phillippi Creek at Coburn Road	8/12/2002	<0.0010	<0.0050	0.0023	0.0029	<0.0050	<0.020
Phillippi Creek at Coburn Road	12/30/2002	<0.0010	<0.0050	0.0022	0.0022	<0.0050	<0.020

Phillippi Creek at Bahia Vista St.

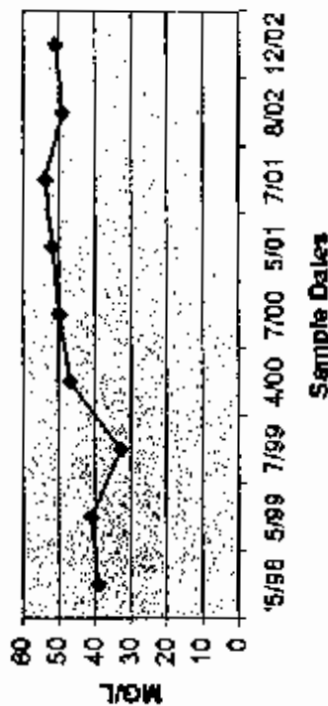
Date	Biological		Chemical		Total Kjeldahl	
	Oxygen Dissolved Field mg/L	Oxygen Demand mg/L	Oxygen Demand mg/L	Demand mg/L	Nitrogen mg/L	Phosphorus mg/L
5/15/1988	8.15	<2.0	30.0	0.031	0.54	0.358
5/18/1988	5.8	<2.0	28	0.54	1.2	0.48
7/21/1989	2.22	<2.0	16	1.2	0.78	0.28
4/25/2000	2.86	<2.0	36	0.80	1.4	0.30
7/24/2000	4.87	<2.0	39	1.1	1.1	0.27
5/8/2001	8.75	<2.0	45	1.2	1.1	0.47
7/31/2001	7.80	2.70	48	1.4	1.1	0.81
8/12/2002	3.78	<3.3	39	1.1	1.1	0.41
12/30/2002	8.49	<2.0	61	1.1	1.1	0.28



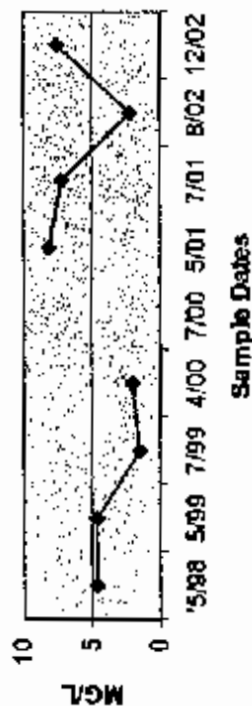
Phillippi Creek at Coburn Rd.

Date	Oxygen, Dissolved Field mg/L	Biological Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Total Kjeldahl Nitrogen mg/L	Total Phosphorus mg/L
5/15/1998	4.6	<2.0	38.0	0.904	0.213
5/18/1999	4.8	4.37	41	0.81	0.028
7/21/1999	1.5	<2.0	33	1.2	0.11
4/26/2000	2.04	32	47	0.89	<0.10
7/24/2000	N/A	2.02	50	1.3	0.24
5/9/2001	8.14	2.20	52	0.76	<0.10
7/31/2001	7.30	3.88	54	1.5	0.35
8/12/2002	2.20	<2.0	49	1.1	0.18
12/30/2002	7.58	<2.0	51	0.86	0.089

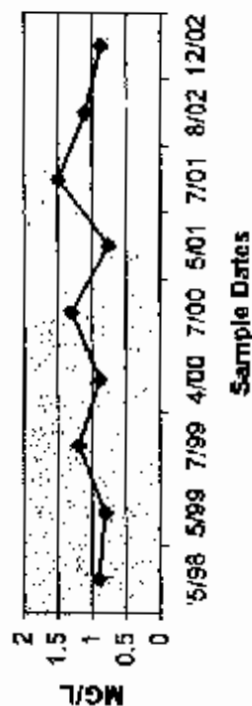
Chemical Oxygen Demand mg/L



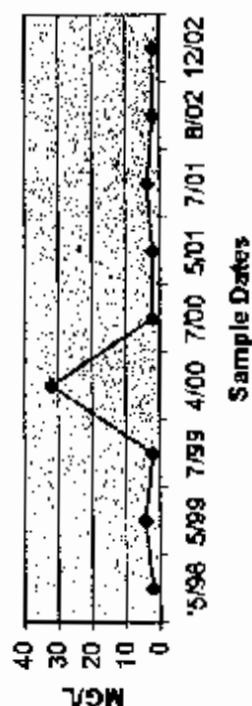
Oxygen, Dissolved Field mg/L



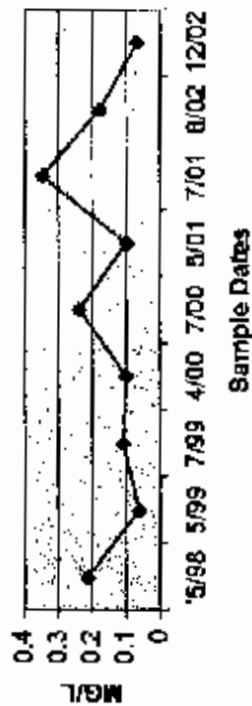
Total Kjeldahl Nitrogen mg/L



Biological Oxygen Demand mg/L



Total Phosphorus mg/L



Surface Water Monitoring 1998-2002

Location	Date	Time	Reason Sampled	Original Dissolved Field (mg/l)	Conductance Specific Field (uS)	Total Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Oil & Grease (mg/L)	Biological Oxygen Demand (mg/L)	Chemical Oxygen Demand (mg/L)	Hardness as CaCO3 (mg/L)
Myakkaehatchee Creek at I-75	5/15/1998	1219	Dry Season	10.46	860	1.2	562.0	<1.000	<2.0	48.0	N/A
Myakkaehatchee Creek at I-75	7/21/1998	1130	Wet Season	3.08	208	14	270	<1.0	3.20	76	N/A
Myakkaehatchee Creek at I-75. DUPLICATE	7/25/1998	1230	Wet Season	1.72	355	7.0	120	<1.0	<2.0	60	N/A
Myakkaehatchee Creek at I-75	4/26/2000	1200	Dry Season	2.82	955	<1.0	680	N/A	<2.0	44	N/A
Myakkaehatchee Creek at I-75. DUPLICATE	4/26/2000		Dry Season	N/A	N/A	<1.0	920	N/A	<2.0	45	N/A
Myakkaehatchee Creek at I-75	7/24/2000	1115	Wet Season	4.14	277	8.2	230	N/A	3.00	81	N/A
Myakkaehatchee Creek at I-75	5/6/2001	1320	Dry Season	2.96	1200	<1.0	900	N/A	<2.0	44	N/A
Myakkaehatchee Creek at I-75	7/31/2001	1800	Wet Season	7.83	152	<1.0	180	N/A	3.44	35	88
Myakkaehatchee Creek at I-75	8/12/2002	1304	Wet Season	5.15	227.8	15.00	180	<5.1	<3.3	82	91
Myakkaehatchee Creek at I-75	12/30/2002	1530	Dry Season	10.82	289.4	<5.0	220	8.4	<2.0	64	120
Myakkaehatchee Creek at North Port water plant.	5/15/1998	1310	Dry Season	11.12	778	8.0	445.0	<1.000	2.110	36.0	N/A
Myakkaehatchee Creek at North Port water plant.	11/17/1998	1200	Dry Season	6.00	698	<1.0	330	4.4	<2.0	54	N/A
Myakkaehatchee Creek at North Port water plant. DUPLICATE	11/17/1998	1215	Dry Season	8.00	536	2.4	380	3.9	<2.0	57	N/A
Myakkaehatchee Creek at North Port water plant.	4/28/2000	1055	Dry Season	6.77	988	4.0	600	N/A	2.31	40	N/A
Myakkaehatchee Creek at North Port water plant.	7/24/2000	0950	Wet Season	3.70	340	3.5	240	N/A	<2.0	34	N/A
Myakkaehatchee Creek at North Port water plant.	5/6/2001	1130	Dry Season	5.70	627	6.8	590	N/A	<2.0	54	N/A
Myakkaehatchee Creek at North Port water plant.	7/31/2001	1500	Wet Season	7.88	168	<1.0	160	N/A	3.94	80	75
Myakkaehatchee Creek at North Port water plant.	8/12/2002	1151	Wet Season	4.30	259.2	<5.0	200	5.7	<3.3	85	110
Myakkaehatchee Creek at North Port water plant.	12/30/2002	1420	Dry Season	8.46	280.2	<5.0	240	5.4	<2.0	82	140
Myakkaehatchee Creek near State Road 72	11/17/1998	1045	Dry Season	7.32	563	8.7	350	3.5	<2.0	56	N/A

Surface Water Monitoring 1998 - 2002

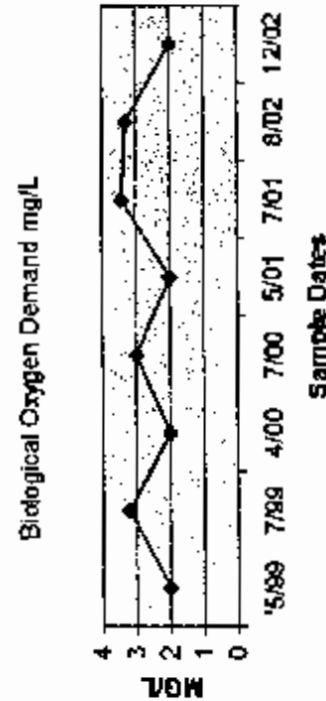
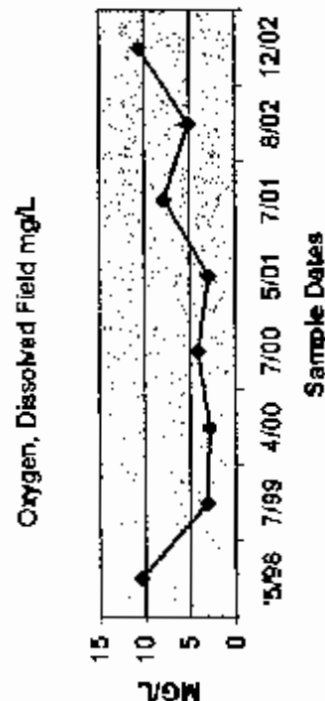
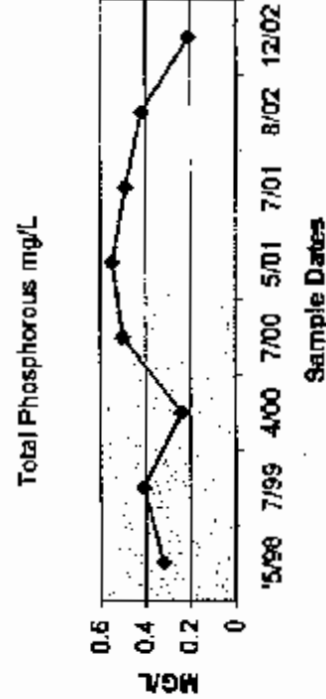
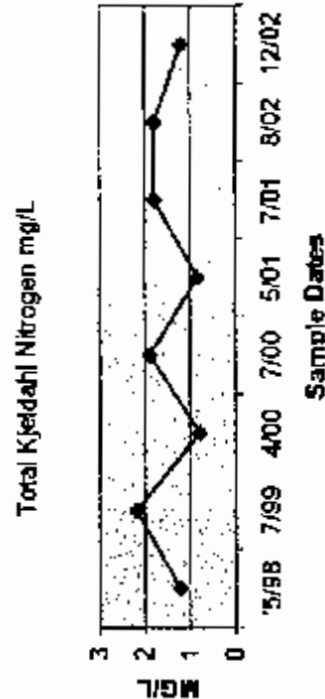
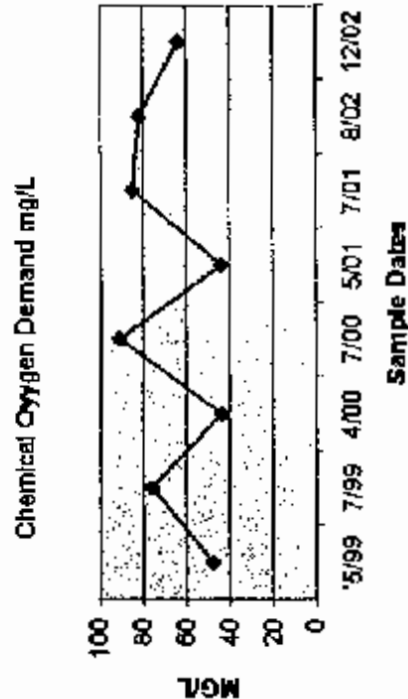
Location	Date	Nitrite mg/L	Nitrate mg/L	Nitrate + Nitrite mg/L	Total Kjeldahl Nitrogen mg/L	Nitrogen, Total mg/L	Dissolved Phosphorus mg/L	Total Phosphorus mg/L
Myakka hatchee Creek at I-75	5/15/1998	0.006	0.046	0.059	1.290	1.266	0.297	0.322
Myakka hatchee Creek at I-75	7/21/1999	N/A	N/A	0.37	2.2	2.57	0.21	0.41
Myakka hatchee Creek at I-75, DUPLICATE	7/21/1999	N/A	N/A	0.35	2.1	2.45	0.92	0.98
Myakka hatchee Creek at I-75	4/26/2000	<0.010	0.070	0.070	0.78	0.86	0.10	0.24
Myakka hatchee Creek at I-75, DUPLICATE	4/26/2000	<0.010	0.030	0.030	0.78	0.81	0.14	0.26
Myakka hatchee Creek at I-75	7/24/2000	N/A	N/A	0.32	1.8	2.22	0.46	0.50
Myakka hatchee Creek at I-75	5/6/2001	N/A	N/A	0.062	0.85	0.812	0.49	0.55
Myakka hatchee Creek at I-75	7/31/2001	N/A	N/A	<0.050	1.8	N/A	0.45	0.49
Myakka hatchee Creek at I-75	8/12/2002	0.013	0.09	0.11	1.8	N/A	0.3	0.42
Myakka hatchee Creek at I-75	12/30/2002	<0.010	0.05	0.05	1.2	N/A	0.19	0.21
Myakka hatchee Creek at North Port water plant	5/15/1998	0.006	<0.010	0.010	0.962	0.992	0.308	0.332
Myakka hatchee Creek at North Port water plant	11/17/1999	N/A	N/A	0.38	0.99	1.37	0.18	0.23
Myakka hatchee Creek at North Port water plant, DUPLICATE	11/17/1999	N/A	N/A	0.21	1.0	1.21	0.18	0.24
Myakka hatchee Creek at North Port water plant	4/26/2000	<0.010	<0.010	<0.010	0.86	0.855	0.071	0.16
Myakka hatchee Creek at North Port water plant	7/24/2000	N/A	N/A	0.37	1.7	2.07	0.46	0.48
Myakka hatchee Creek at North Port water plant	5/8/2001	N/A	N/A	<0.050	0.76	N/A	0.12	0.16
Myakka hatchee Creek at North Port water plant	7/31/2001	N/A	N/A	0.15	1.8	1.95	0.42	0.53
Myakka hatchee Creek at North Port water plant	6/12/2002	0.013	0.11	0.12	1.7	N/A	0.25	0.4
Myakka hatchee Creek at North Port water plant	12/30/2002	<0.010	0.06	0.6	1	N/A	0.17	0.14
Myakka hatchee Creek near State Road 72	11/17/1999	N/A	N/A	0.19	1.4	1.59	0.18	0.24

Surface Water Monitoring 1998 - 2002

Location	Date	Cadmium mg/L Disolved (mg/L)	Chromium mg/L	Chromium Disolved (mg/L)	Copper mg/L	Copper Disolved (mg/L)	Lead mg/L	Lead Disolved (mg/L)	Zinc mg/L
Myakkae Creek at I-75	5/15/1998	0.002800	N/A	<0.001000	N/A	0.001280	N/A	0.003630	N/A
Myakkae Creek at I-75	7/21/1998	<0.0010	N/A	<0.0010	N/A	0.0016	N/A	<0.0050	<0.025
Myakkae Creek at I-75, DUPLICATE	7/21/1998	<0.0010	N/A	<0.0010	N/A	0.0015	N/A	<0.0050	<0.025
Myakkae Creek at I-75	4/28/2000	<0.0010	<0.0010	<0.0050	0.0014	0.0013	0.0069	<0.0050	<0.020
Myakkae Creek at I-75, DUPLICATE	4/28/2000	<0.0010	<0.0010	<0.0050	0.0010	0.0014	<0.0050	<0.0050	<0.020
Myakkae Creek at I-75	7/24/2000	<0.0010	N/A	<0.0050	N/A	<0.010	N/A	<0.0050	<0.020
Myakkae Creek at I-75	5/8/2001	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010	<0.0050	<0.0050	<0.020
Myakkae Creek at I-75	7/31/2001	<0.0010	<0.0010	<0.0050	0.0019	0.0052	<0.0010	<0.0010	0.025
Myakkae Creek at I-75	8/12/2002	<0.0010	<0.0010	<0.0050	0.0011	0.0017	<0.0050	0.0055	<0.020
Myakkae Creek at I-75	12/30/2002	<0.0010	<0.0010	<0.0050	0.0023	0.002	<0.0050	<0.0050	<0.020
Myakkae Creek at North Port water plant	5/16/1998	<0.001500	N/A	<0.001000	N/A	<0.005000	N/A	0.001090	0.035000
Myakkae Creek at North Port water plant	11/17/1998	<0.0010	N/A	<0.0050	N/A	<0.001	N/A	<0.0010	<0.020
Myakkae Creek at North Port water plant, DUPLICATE	1/17/1999	<0.0010	N/A	<0.0050	N/A	0.0011	N/A	0.0028	<0.020
Myakkae Creek at North Port water plant	4/25/2000	<0.0010	<0.0010	<0.0050	0.0031	0.0011	<0.0050	<0.0050	<0.020
Myakkae Creek at North Port water plant	7/24/2000	<0.0010	N/A	<0.0050	N/A	<0.010	N/A	<0.0050	<0.020
Myakkae Creek at North Port water plant	5/9/2001	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010	<0.0050	<0.0050	<0.020
Myakkae Creek at North Port water plant	7/31/2001	<0.0010	<0.0010	<0.0050	0.0025	0.0045	<0.0010	<0.0010	0.028
Myakkae Creek at North Port water plant	8/12/2002	<0.0010	<0.0010	<0.0050	0.0014	0.0021	0.25	<0.0050	0.043
Myakkae Creek at North Port water plant	12/30/2002	<0.0010	<0.0010	<0.0050	0.0019	0.0031	<0.0050	<0.0050	<0.020
Myakkae Creek near State Road 72	11/17/1998	<0.0010	N/A	<0.0050	N/A	0.0012	N/A	0.0011	<0.020

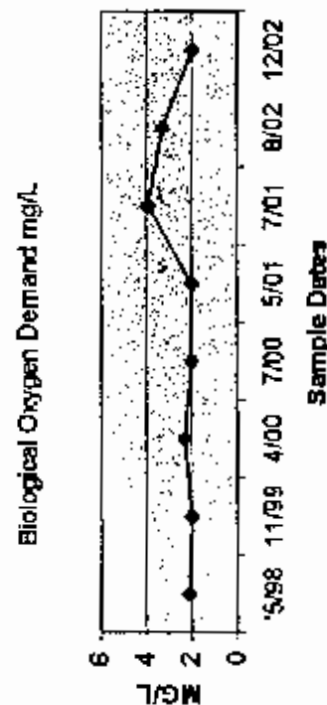
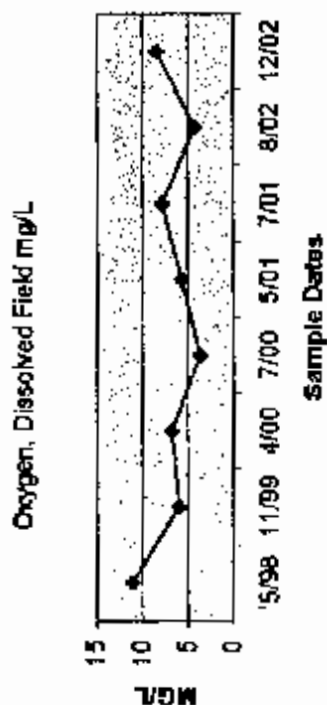
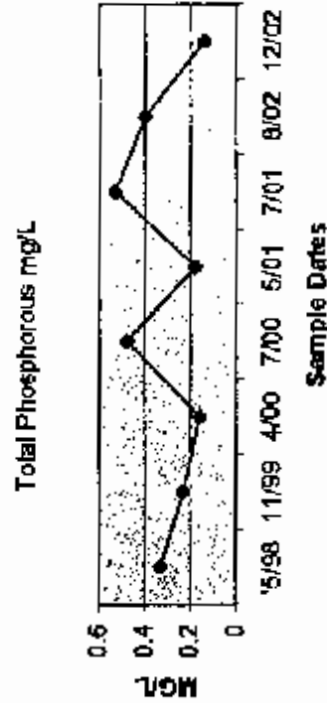
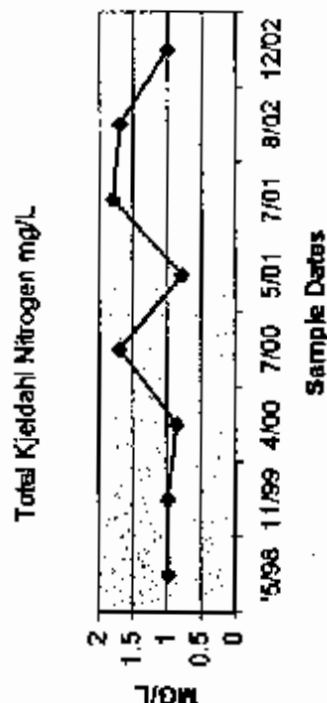
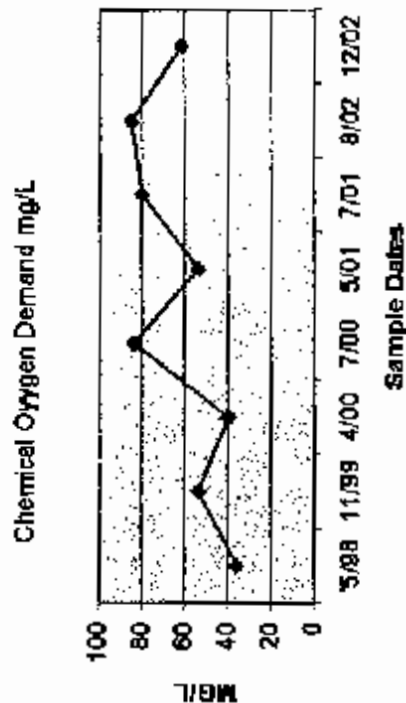
Myakkahatchee Creek at 1-75

Date	Oxygen, Dissolved Field mg/L	Biological Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Total Kjeldahl Nitrogen mg/L	Total Phosphorous mg/L
5/15/1998	10.46	<2.0	48.0	1.230	0.322
7/21/1998	3.06	3.20	76	2.2	0.41
4/26/2000	2.82	<2.0	44	0.79	0.24
7/24/2000	4.14	3.00	61	1.9	0.50
5/9/2001	3.86	<2.0	44	0.89	0.65
7/31/2001	7.83	3.44	85	1.8	0.49
8/12/2002	5.18	<3.3	82	1.8	0.42
12/30/2002	10.62	<2.0	64	1.2	0.31



Myakkahatchee Creek at North Port Water Plant

Date	Oxygen, Dissolved Field mg/L	Biological Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Total Kjeldahl Nitrogen mg/L	Total Phosphorous mg/L
5/15/1998	11.12	2.110	36.0	0.982	0.332
11/17/1999	8.00	<2.0	54	0.88	0.23
4/28/2000	6.77	2.31	40	0.88	0.16
7/24/2000	3.70	<2.0	84	1.7	0.48
9/8/2001	5.70	<2.0	54	0.78	0.18
7/31/2001	7.88	3.94	80	1.8	0.53
9/12/2002	4.90	<2.3	85	1.7	0.4
12/30/2002	8.46	<2.0	82	1	0.14



Surface Water Monitoring 1998 - 2002

Location	Date	Time	Reason Sampled	Oxygen Dissolved Field (mg/L)	Conductance Specific Field (uS)	Total Suspended Solids mg/L	Total Dissolved Solids mg/L	Oil & Grease mg/L	Biological Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Hardness as CaCO3 (mg/L)
Hudson Bayou at Orange Avenue	5/15/1998	1002	Dry Season	8.88	80200	26.8	38200.0	<1.000	<2.0	550.0	N/A
Hudson Bayou at Orange Avenue	5/18/1998	1015	Dry Season	2.89	53300	74	34000	<1.0	<2.0	1300	N/A
Hudson Bayou at Orange Avenue	7/21/1998	1545	Wet Season	6.84	48400	60	30000	<1.0	4.05	880	N/A
Hudson Bayou at Orange Avenue	4/28/2000	1355	Dry Season	5.82	59000	1.5	33000	N/A	3.16	920	N/A
Hudson Bayou at Orange Avenue	7/24/2000	1415	Wet Season	6.37	81800	14	34000	N/A	2.88	930	N/A
Hudson Bayou at Orange Avenue	5/18/2001	1830	Dry Season	7.81	68200	11	31000	N/A	2.77	230	N/A
Hudson Bayou at Orange Avenue	7/31/2001	1130	Wet Season	7.08	38400	<1.0	20000	N/A	3.82	880	3800
Hudson Bayou at Orange Avenue. DUPLICATE	7/31/2001	1100	Wet Season	N/A	N/A	20	18000	N/A	3.98	970	3400
Hudson Bayou at Orange Avenue	8/12/2002	1600	Wet Season	4.04	51829	7.30	32000	5.9	2.9	1500	6100
Hudson Bayou at Orange Avenue	12/30/2002	920	Dry Season	8.47	N/A	<5.0	28000	8.8	<2.0	740	5400
Hudson Bayou at Osprey Avenue	5/15/1998	0843	Dry Season	4.75	58800	24.40	35100.0	<1.000	2.99	120.0	N/A
Hudson Bayou at Osprey Avenue	5/18/1998	1200	Dry Season	2.83	53300	68	35000	<1.0	2.88	3300	N/A
Hudson Bayou at Osprey Avenue. DUPLICATE	5/18/1998	1035	Dry Season	1.84	59300	72	33000	<1.0	2.80	1400	N/A
Hudson Bayou at Osprey Avenue	7/21/1998	1810	Wet Season	6.87	49500	46	28000	<1.0	3.68	2000	N/A
Hudson Bayou at Osprey Avenue	4/28/2000	1335	Dry Season	8.15	55100	6.0	38000	N/A	3.80	630	N/A
Hudson Bayou at Osprey Avenue	7/24/2000	1345	Wet Season	5.98	58800	12	38000	N/A	5.24	350	N/A
Hudson Bayou at Osprey Avenue	5/18/2001	1700	Dry Season	8.10	58600	4.3	32000	N/A	3.66	150	N/A
Hudson Bayou at Osprey Avenue	7/31/2001	1130	Wet Season	6.98	32300	<1.0	22000	N/A	4.74	800	3000
Hudson Bayou at Osprey Avenue	8/12/2002	1830	Wet Season	4.54	51773	8.70	31000	<5.1	4	1700	5800
Hudson Bayou at Osprey Avenue	12/30/2002	1030	Dry Season	6.84	47389	6.80	33000	5.2	2	700	5400

Surface Water Monitoring 1998 - 2002

Location	Date	Nitrate mg/L	Nitrate mg/L	Nitrate mg/L	Total Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Dissolved Phosphorus mg/L	Total Phosphorus mg/L
Hudson Bayou at Orange Avenue	5/15/1998	0.008	<0.002	0.005	0.637	0.642	0.108	0.158
Hudson Bayou at Orange Avenue	5/18/1998	<0.010	0.013	0.018	0.72	0.738	0.080	0.073
Hudson Bayou at Orange Avenue	7/21/1998	N/A	N/A	<0.010	1.1	1.105	0.070	0.054
Hudson Bayou at Orange Avenue	4/28/2000	<0.010	<0.010	<0.010	0.75	0.755	0.028	<0.10
Hudson Bayou at Orange Avenue	7/24/2000	N/A	N/A	<1.2	<0.50	N/A	<0.10	<0.10
Hudson Bayou at Orange Avenue	5/8/2001	N/A	N/A	<0.050	0.73	N/A	0.088	0.10
Hudson Bayou at Orange Avenue	7/31/2001	N/A	N/A	0.083	1.2	1.280	0.15	0.28
Hudson Bayou at Orange Avenue, DUPLICATE	7/31/2001	N/A	N/A	5.2	1.0	8.2	0.14	0.26
Hudson Bayou at Orange Avenue	8/12/2002	<0.010	0.03	0.03	0.84	N/A	0.012	0.097
Hudson Bayou at Orange Avenue	12/30/2002	<0.010	<0.010	<0.010	1.1	N/A	0.047	0.082
Hudson Bayou at Osprey Avenue	5/15/1998	0.008	0.008	0.016	1.810	1.826	0.171	0.224
Hudson Bayou at Osprey Avenue	5/18/1998	<0.010	0.010	0.014	0.69	0.704	0.11	0.090
Hudson Bayou at Osprey Avenue, DUPLICATE	5/18/1998	<0.010	0.014	0.018	1.1	1.118	0.088	0.090
Hudson Bayou at Osprey Avenue	7/21/1998	N/A	N/A	<0.010	1.0	1.005	0.16	0.077
Hudson Bayou at Osprey Avenue	4/28/2000	<0.010	<0.010	<0.010	0.74	0.745	0.026	0.12
Hudson Bayou at Osprey Avenue	7/24/2000	N/A	N/A	<1.2	<0.50	N/A	<0.10	<0.10
Hudson Bayou at Osprey Avenue	5/8/2001	N/A	N/A	<0.050	0.88	N/A	<0.1	0.15
Hudson Bayou at Osprey Avenue	7/31/2001	N/A	N/A	0.084	1.2	1.284	0.11	0.33
Hudson Bayou at Osprey Avenue	8/12/2002	<0.010	0.03	0.03	0.85	N/A	0.012	0.18
Hudson Bayou at Osprey Avenue	12/30/2002	<0.010	<0.010	<0.010	0.66	N/A	0.031	0.034

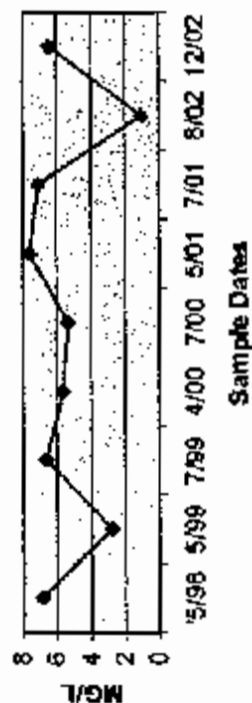
Surface Water Monitoring 1988 - 2002

Location	Date	Cadmium mg/L Dissolved (mg/l)	Chromium mg/L	Chromium Dissolved (mg/l)	Copper mg/L Dissolved (mg/l)	Lead mg/L	Lead Dissolved (mg/l)	Zinc mg/L
Hudson Bayou at Orange Avenue	5/15/1996	0.003690	N/A	0.002810	N/A	0.016700	N/A	0.072000
Hudson Bayou at Orange Avenue	5/15/1996	<0.0010	N/A	<0.010	N/A	0.018	N/A	<0.120
Hudson Bayou at Orange Avenue	7/21/1996	<0.0010	N/A	<0.010	N/A	0.0072	N/A	<0.025
Hudson Bayou at Orange Avenue	4/26/2000	<0.0010	<0.0050	<0.0050	0.0054	<0.0050	<0.0050	<0.080
Hudson Bayou at Orange Avenue	7/24/2000	<0.0010	N/A	<0.0050	<0.010	<0.0050	N/A	<0.020
Hudson Bayou at Orange Avenue	5/8/2001	<0.0010	<0.0050	<0.0050	0.0013	<0.0050	<0.0050	<0.020
Hudson Bayou at Orange Avenue	7/31/2001	<0.0050	<0.010	<0.010	0.0032	<0.010	<0.010	<0.040
Hudson Bayou at Orange Avenue, DUPLICATE	7/31/2001	<0.0050	<0.010	<0.010	<0.0020	<0.010	<0.010	<0.040
Hudson Bayou at Orange Avenue	5/12/2002	<0.0025	<0.0025	<0.050	0.0043	<0.050	<0.0050	<0.020
Hudson Bayou at Orange Avenue	12/30/2002	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0050	<0.020
Hudson Bayou at Osprey Avenue	5/15/1998	0.0048200	N/A	0.001400	0.011100	0.020300	N/A	0.071000
Hudson Bayou at Osprey Avenue	5/18/1999	<0.0010	N/A	0.012	0.0020	0.015	N/A	<0.120
Hudson Bayou at Osprey Avenue, DUPLICATE	5/18/1999	<0.0010	N/A	<0.010	<0.010	0.014	N/A	<0.120
Hudson Bayou at Osprey Avenue	7/21/1999	<0.0010	N/A	<0.010	0.0018	0.0069	N/A	<0.025
Hudson Bayou at Osprey Avenue	4/26/2000	<0.0010	<0.0010	<0.0050	0.0029	<0.0050	<0.0050	<0.080
Hudson Bayou at Osprey Avenue	7/24/2000	<0.0010	N/A	<0.0050	<0.010	<0.0050	N/A	<0.020
Hudson Bayou at Osprey Avenue	5/8/2001	<0.0010	<0.0010	<0.0050	0.0017	<0.0050	<0.0050	<0.020
Hudson Bayou at Osprey Avenue	7/24/2001	<0.0050	<0.0050	<0.010	0.0048	<0.010	<0.010	<0.040
Hudson Bayou at Osprey Avenue	8/12/2002	<0.0010	<0.0010	<0.050	0.0056	<0.0050	<0.0050	<0.020
Hudson Bayou at Osprey Avenue	12/30/2002	<0.0010	<0.0010	<0.0050	<0.0010	<0.0050	<0.0050	<0.020

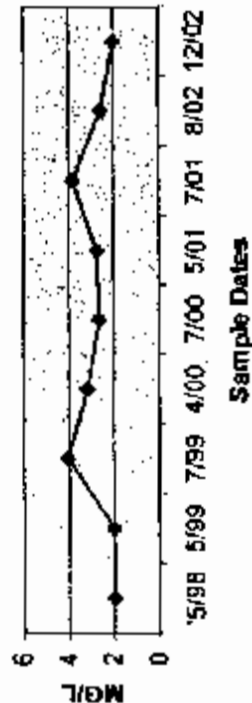
Hudson Bayou at Orange Av. Bridge

Date	Biological		Chemical	
	Oxygen, Dissolved Field mg/l	Oxygen Demand mg/L	Oxygen Demand mg/L	Total Kjeldahl Nitrogen mg/L
5/15/1998	6.86	<2.0	550.0	0.637
5/18/1999	2.93	<2.0	1300	0.72
7/21/1999	6.64	4.05	960	1.1
4/28/2000	5.92	3.16	820	0.75
7/24/2000	5.37	2.66	330	<0.50
5/9/2001	7.81	2.77	230	0.71
7/31/2001	7.08	3.82	960	1.2
8/12/2002	4.04	2.6	1500	0.84
12/30/2002	6.47	<2.0	740	1.1

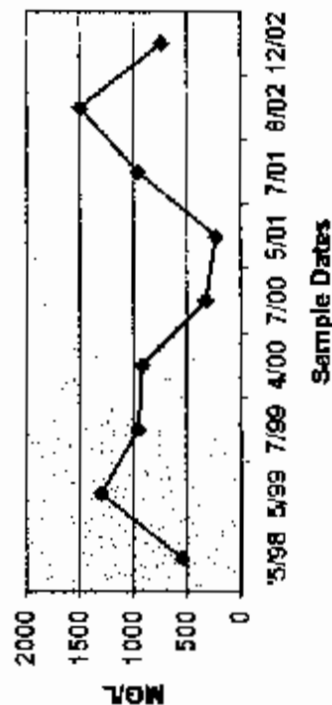
Oxygen, Dissolved Field mg/L



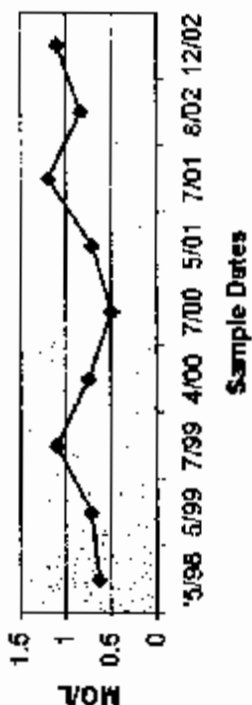
Biological Oxygen Demand mg/L



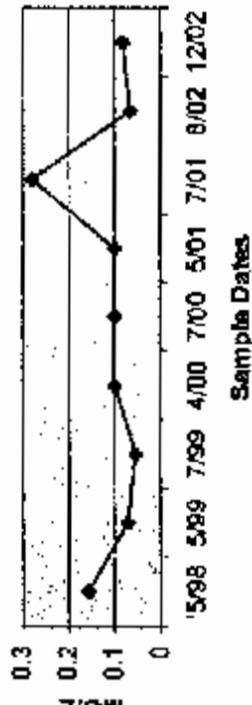
Chemical Oxygen Demand mg/L



Total Kjeldahl Nitrogen mg/L



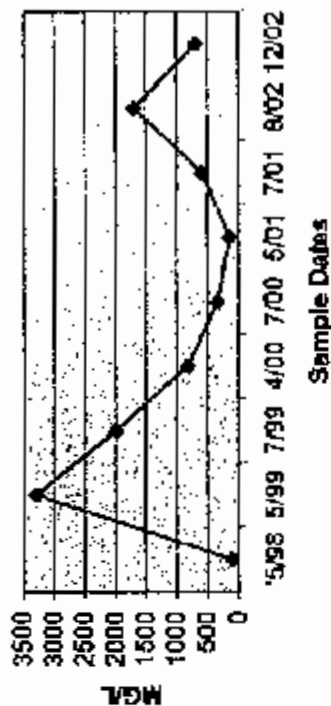
Total Phosphorous mg/L



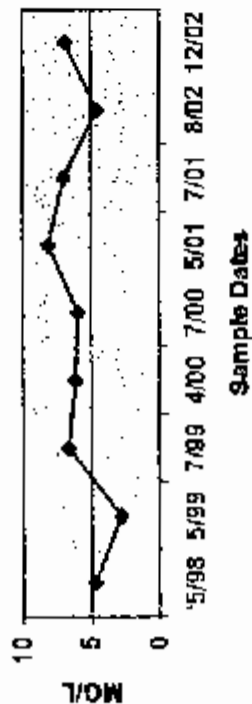
Hudson Bayou at Osprey Av.

Date	Biological		Chemical		Total Kjeldahl Nitrogen mg/L	Total Phosphorous mg/L
	Oxygen Demand mg/L	Dissolved Field mg/L	Oxygen Demand mg/L	Oxygen Demand mg/L		
5/15/1998	2.93	4.76	120.0	3000	1.810	0.224
5/18/1998	2.88	2.63	3300	3000	0.66	0.063
7/21/1998	3.88	6.67	3000	3000	1.0	0.077
4/28/2000	3.80	6.15	830	350	0.74	0.12
7/24/2000	5.24	5.98	150	800	<0.50	<0.10
5/8/2001	3.86	8.10	150	1700	0.66	0.15
7/31/2001	4.74	6.98	800	1700	1.2	0.32
8/12/2002	4	4.54	700	700	0.85	0.19
12/30/2002	2	5.84	700	700	0.55	0.034

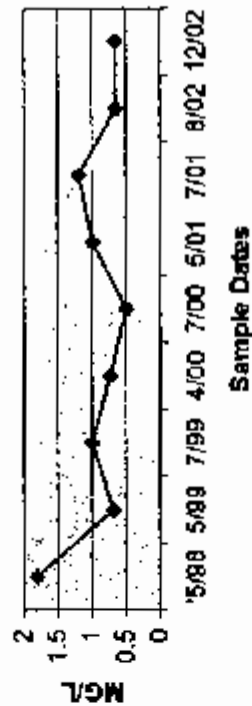
Chemical Oxygen Demand mg/L



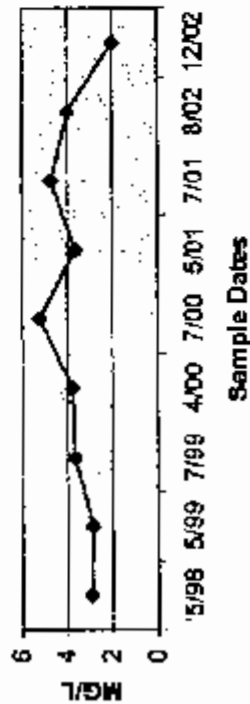
Oxygen, Dissolved Field mg/L



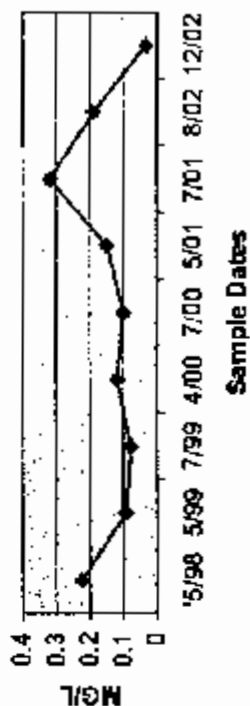
Total Kjeldahl Nitrogen mg/L



Biological Oxygen Demand mg/L



Total Phosphorous mg/L



Stream Condition Index
2002

Location	Date	Reason Sampled	Stream Condition Index	Rating
Phillippi Creek at Bahia Vista Street	8/12/2002	Wet Season	25	Good
Phillippi Creek at Coburn	8/12/2002	Wet Season	13	Poor
Myakkahatchee Creek at I-75	8/12/2002	Wet Season	25	Good
Myakkahatchee Creek at North Port Water Plant	8/12/2002	Wet Season	No organisms found	Poor
Hudson Bayou at Orange Avenue	8/12/2002	Wet Season	Estuarine site, not evaluated	Not Available
Hudson Bayou at Osprey Avenue	8/12/2002	Wet Season	Estuarine site, not evaluated	Not Available
Phillippi Creek at Bahia Vista Street	12/30/2002	Dry Season	14	Poor
Phillippi Creek at Coburn	12/30/2002	Dry Season	9	Very Poor
Myakkahatchee Creek at I-75	12/30/2002	Dry Season	25	Good
Myakkahatchee Creek at North Port Water Plant	12/30/2002	Dry Season	9	Very Poor
Hudson Bayou at Orange Avenue	12/30/2002	Dry Season	Estuarine site, not evaluated	Not Available
Hudson Bayou at Osprey Avenue	12/30/2002	Dry Season	Estuarine site, not evaluated	Not Available
Interpretation of Score		Rating		
Excellent	27-33			
Good	21-26			
Poor	14-20			
Very Poor	7-13			

Benthic Invertebrate Sampling
2002

Location	Date	Method of Sampling	Reason Sampled	Total Number of Organisms	Total Taxa
Phillippi Creek at Bahia Vista Street	8/12/2002	D-Frame Dip Net	Wet Season	102	23
Phillippi Creek at Coburn Road	8/12/2002	D-Frame Dip Net	Wet Season	19	6
Myakkahatchee Creek at I-75	8/12/2002	D-Frame Dip Net	Wet Season	98	22
Myakkahatchee Creek at North Port Water Plant	8/12/2002	D-Frame Dip Net	Wet Season	0	0
Hudson Bayou at Orange Avenue	8/12/2002	Petite Ponar	Wet Season	1	1
Hudson Bayou at Osprey Avenue	8/12/2002	Petite Ponar	Wet Season	1	1
Phillippi Creek at Bahia Vista Street	12/30/2002	D-Frame Dip Net	Dry Season	101	23
Phillippi Creek at Coburn Road	12/30/2002	D-Frame Dip Net	Dry Season	134	8
Myakkahatchee Creek at I-75	12/30/2002	D-Frame Dip Net	Dry Season	110	17
Myakkahatchee Creek at North Port Water Plant	12/30/2002	D-Frame Dip Net	Dry Season	21	7
Hudson Bayou at Orange Avenue	12/30/2002	Petite Ponar	Dry Season	82	12
Hudson Bayou at Osprey Avenue	12/30/2002	Petite Ponar	Dry Season	30	7

Sediment MA Spring 2002

Location	Date	Time	Total Arsenic (mg/kg)	Total Mercury (mg/kg)	Total Lead (mg/kg)	Total Chromium (mg/kg)	Total Cadmium (mg/kg)	Total Copper (mg/kg)	Total Zinc (mg/kg)			
Phillippi Creek at Bahia Vista Street	12/30/2002	1715	5700	5700	510	2200	2100	0.11	4.7	8.4	5.6	5.9
Phillippi Creek at Coburn Road	12/30/2002	1630	130	130	38	1300	830	0.071	1.8	4.1	1.7	5.8
Hudson Bayou at Orange Avenue	12/30/2002	920	530	530	250	1300	380	0.11	3.4	8	9.2	16
Hudson Bayou at Osprey Avenue	12/30/2002	1030	650	550	280	5800	1400	0.38	11	25	43	72
Myakkae/Hatchee Creek at I-75	12/30/2002	1530	33	33.00	12	4000.00	1000	<0.042	1.8	1.8	2.3	4.3
Myakkae/Hatchee Creek at North Port water plant	12/30/2002	1420	ND	<20	<20	2200	350	0.085	2.2	0.25	0.52	1.7

Sediment Monitoring 1998 - 2002

[illegible]

Sediment Monitoring 1986 - 2002

Location	Date	Time	Total Nitrogen (mg/kg)	Total Phosphate (mg/kg)	Carbon Total (mg/kg)	Aluminum (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
Myakkahatchee Creek at I-75	12/23/1986	1230	N/A	N/A	N/A	363	<0.225	<1.15	<2.5	7.72	<5
	12/30/1987	1005	N/A	N/A	N/A	2200	0.45	9.9	2.11	1.81	3.74
	7/21/1989	1130	N/A	N/A	N/A	3000	0.76	10	<0.5	3.8	<8.7
	12/1/1989	1105	N/A	480	8700	200	<0.05	0.88	<0.5	0.54	4.8
	12/4/2000	1100	<120	<120	8900	2400	0.44	8.1	1.2	1.3	4.1
	12/18/2001	1420	<110	700	N/A	N/A	<0.047	1.7	<0.47	0.57	1.2
	12/30/2002	1530	33	33.00	12	4000.00	<0.042	1.8	1.8	2.3	4.3
Myakkahatchee Creek at North Port water plant											
	12/23/1986	1330	N/A	N/A	N/A	5630	<0.225	10.4	<2.5	<0.625	<5
	12/30/1987	1150	N/A	N/A	N/A	10200	<0.008	24.6	9.71	11.1	18.4
	7/21/1989	1220	N/A	N/A	650	3900	<0.038	7.8	18	4.7	12
	12/1/1989	1030	N/A	980	3600	830	<0.065	2.5	1.8	1.4	9.5
	12/4/2000	1030	1200	700	N/A	2700	0.089	6.5	2.2	3.1	7.9
	12/18/2001	1345	250	1500	N/A	N/A	0.18	11	2.1	1	3.6
	12/30/2002	1420	ND	<20	<20	350	0.085	2.2	0.25	0.52	1.7

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Ainger	OF-SC-16	1331	No access to outfall.	Not accessible. Located in Ainger Creek	Englewood
Ainger	OF-SC-16	1341	No access to outfall.	Not accessible. Located in Ainger Creek	Englewood
Alligator	OF-SC-12	1575	Not possible to locate	Neither the map nor the database	Venice
Alligator	OF-SC-12	1638	Not possible to locate	Neither the map nor the database	Venice
Alligator	OF-SC-12	1606	4684 Marlin Rd.,	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1553	Under S. Gondola Dr.,	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1560	20' NE of Jacaranda	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1578	N. of Sea Grape, E.	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1593	Next to 304 Redwood	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1596	NW corner of	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1603	Valencia Rd. and	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	1609	706 Everest Rd.,	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	AC-SC-01	796 Trojan Rd., near.	Not on CDM map. No flow. Major outfall	Venice
Alligator	OF-SC-12	0494	near Woodbridge Dr.,	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	0495	Near Woodbridge Dr.,	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	0502	20' W. of NW corner of	Outfall with ID Number. No flow.	Venice
Alligator	OF-SC-12	2091	300' S. of NW corner of	Dry Weather Sampling Point. No flow.	Venice
Alligator	OF-SC-12	AC-SC-02	141 Baffin Rd.,	Not on CDM map. Flow. Field test kit	Venice
Alligator	OF-SC-12	AC-SC-03	519 Baffin Rd., near.	Not on CDM map. Flow. Field test kit	Venice
Alligator	OF-SC-12	AC-SC-04	4460 Yacht Club Dr.	Not on CDM map. No flow. Major	Venice
Alligator	OF-SC-12	AC-SC-05	Linden and N. of	Not on CDM map. No flow. Major	Venice
Alligator	OF-SC-12	AC-SC-06	Linden and S. of	Not on CDM map. No flow. Major	Venice
Alligator	OF-SC-12	AC-SC-07	940 Lemon Bay Dr., E.	Not on CDM map. No flow. Major	Venice
Alligator	OF-SC-12	1539	S. of Venice Gardens	Outfall with ID Number.	Venice
Alligator	OF-SC-12	0496	12th tee at Plantation	Golf course pond outfall.	Venice
Alligator	OF-SC-12	0499	612 Crossfield Dr.,	Golf course pond.	Venice
Big Slough	OF-NP-20	1336	Outfall in City of North	Not on maps. Outfall was verified to be	
Big Slough	OF-NP-20	1299	Outfall in City of North	Not on maps. Outfall was verified to be	North Port
Big Slough	OF-SC-20	1347	No access to outfall.	No access. S. of Deer Prairie and SR 72.	Sarasota
Big Slough	OF-SC-20	1358	SR 72, 8.0 miles E. of	Small swale and road drain.	Sarasota
Big Slough	OF-SC-20	1355	Not possible to locate	Not on maps, may be in North port	Venice
Big Slough	OF-SC-20	1350	Not possible to locate	Not on maps	
Blackburn	OF-SC-24	1737	N. side of Shore Rd.,	Outfall with ID Number. No flow.	Nokomis
Blackburn	OF-SC-24	1745	111 Sunset Ave., by	Outfall with ID Number. No flow.	Osprey
Blackburn	OF-SC-24	1748	50' SW of Murillo Dr.	Outfall with ID Number. No flow.	Osprey
Blackburn	OF-SC-24	2086	111 Palm Av. No. of	5/2/97: Dry Weather Sampling Point. No	Osprey
Blackburn	OF-SC-24	2087	Spanish Lakes MHP,	5/5/97: Field test kit sampled; Dry	Osprey
Blackburn	OF-SC-24	BB-SC-01	Laurel Rd., W. of Rt.	Not on CDM map. Major outfall added to	Nokomis
Blackburn	OF-SC-24	BB-SC-02	Roberts Rd. W. of Rt.	Not on CDM map. Major outfall added to	Osprey
Blackburn	OF-SC-24	BB-SC-03	Spanish Lakes Dr., E.	Field test kit sampled. Not on CDM map.	Osprey
Blackburn	OF-SC-10	2044	Venice Ave. and	No flow.	Sarasota
Blackburn	OF-SC-10	2055	Not possible to locate	Neither the map nor the database	Venice
BMP	OF-SA-23	0038	885 Mecca Dr.,	swale flowing S-N, to drainage to West.	Sarasota
BMP	OF-SA-23	0043	929 Sunridge Dr.,	undefined on map, street drains, storm	Sarasota
BMP	OF-SA-23	0044	929 Sunridge Dr.,	undefined on map, street drains, storm	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
BMP	OF-SA-23	0045	929 Sunridge Dr.,	undefined on map, street drains, storm	Sarasota
Catfish	OF-SC-06	1208	Not possible to locate	The outfall described by the map and	Sarasota
Catfish	OF-SC-06	0369	Sarah Ave., N. end.	No flow.	Sarasota
Catfish	OF-SC-06	0397	Clark Rd. and Clark	No flow.	Sarasota
Catfish	OF-SC-06	1205	Mandarin Rd., south	Small wetland.	Sarasota
Catfish	OF-SC-06	1211	Turtle Rock Blvd. &	Lake to lake	Sarasota
Catfish	OF-SC-06	1214	No access to outfall.	Not accessible. Construction will provide	Sarasota
Catfish	OF-SC-06	2112	Pinkney Ave. and	Small ditch.	Sarasota
Catfish	OF-SC-06	0909	6092 Clark Center	Ditch	Sarasota
Cowpen	OF-SC-17	1087	5701 Churchhill Downs	Pond on ranch.	Sarasota
Curry	OF-SC-10	1416	230 Snyder Dr., behind.	No flow.	Venice
Curry	OF-SC-10	1419	Curry Creek and	No flow.	Venice
Curry	OF-SC-10	1428	Not possible to locate	Neither the map nor the database	Venice
Curry	OF-SC-10	1440	W. end of Blackburn		Venice
Curry	OF-SC-10	1443	No access to outfall.	outfall destroyed by new construction	Venice
Curry	OF-SC-10	1451	1327 Pinebrook Way,	No flow.	Venice
Curry	OF-SC-10	1456	Not possible to locate	Neither the map nor the database	Venice
Curry	OF-SC-10-		Outfall to Curry Creek	6-29-98: Outfall discovered during field	Venice
Deer Prairie	OF-SC-19	1365	No access to outfall.	No access. S. of Deer Prairie and SR 72.	Sarasota
Forked	OF-SC-14	1645	100' S. of bridge over	Outfall with ID Number. No flow.	Englewood
Forked	OF-SC-14	FC-SC-01	1309 Forked Creek Dr.,	Not on CDM map. Flow. Major outfall	Englewood
Forked	OF-SC-14	2107	21 and 17 Dominica	Dry Weather Sampling Point. No flow.	Englewood
Fox Creek	OF-SC-09	1667	701 and 651 Palomino	Outfall with ID Number. No flow.	Sarasota
Grand	OF-SC-29	1075	5203 Cape Leyte,	No flow.	Siesta Key
Grand	OF-SC-29	1078	181 Las Rosas, in front	No flow.	Siesta Key
Gulf of	OF-SA-28	1242	Lido public Beach,	No flow, discharge end buired on beach.	Sarasota
Gulf of	OF-SA-29	1237	Not possible to locate	The outfall described by the map and	Sarasota
Gulf of	OF-SC-25	1536	Not possible to locate	Neither the map nor the database	
Gulf of	OF-SC-29	2108	6535 Midnight Pass Rd.	small swale next to road	Siesta Key
Hatchett	OF-SC-11	1448	S. end of Clermont Rd.	Overgrown.	Sarasota
Hatchett	OF-SC-11	1469	801 Ridgewood Ave.	Small drain.	Venice
Hog Creek	OF-SA-23	0341	N. side of Centennial	Outfall to Hog Creek not visible.	Sarasota
Hog Creek	OF-SA-23	0342	Tamiami Trail N. at	Outfall not visible.	Sarasota
Hog Creek	OF-SA-23	0435	Across from 1142		Sarasota
Hog Creek	OF-SA-23	0343	Tamiami Trail N. and	Outfall not visible.	Sarasota
Hog Creek	OF-SA-23	0434	City RO discharge		Sarasota
Hudson	OF-SA-02	1918	Not possible to locate	The outfall described by the map and	Sarasota
Hudson	OF-SA-02	1699	Behind 2159 Floyd St.	No flow.	Sarasota
Hudson	OF-SA-02	1700	School Ave. and	No flow.	Sarasota
Hudson	OF-SA-02	1701	Jefferson St., pipe	Flow. Field test kit sampled.	Sarasota
Hudson	OF-SA-02	1702	Jefferson St., SE	Field test kit sampled. Flow.	Sarasota
Hudson	OF-SA-02	1516	Payne Pkwy. and Oak	No flow.	Sarasota
Hudson	OF-SA-02	1774	Behind 2761 Novus St.	No flow.	Sarasota
Hudson	OF-SA-02	1775	E. of Novus St. off	Very low flow. Field test kit sampled.	Sarasota
Hudson	OF-SA-02	1776	Bay St., W. end, off	No flow.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Hudson	OF-SA-02	1777	Jefferson Ave., S. end,	No flow.	Sarasota
Hudson	OF-SA-02	1819	Bahia Vista St., Pipe	Heavily overgrown.	Sarasota
Hudson	OF-SA-02	1842	Head of creek in	No flow.	Sarasota
Hudson	OF-SA-02	1855	Storm water retention	No flow.	Sarasota
Hudson	OF-SA-02	1861	Osprey Ave., NW side	Heavy growth; pipe under water.	Sarasota
Hudson	OF-SA-02	1862	Not possible to locate	The outfall described by the map and	Sarasota
Hudson	OF-SA-02	1863	1859 Lincoln Dr.,	No flow.	Sarasota
Hudson	OF-SA-02	1864	Lincoln Dr. and Alta	Recent evidence of sewage spills at site.	Sarasota
Hudson	OF-SA-02	1869	Tamiami Trail S., SW	Strong sewage odor from homeless	Sarasota
Hudson	OF-SA-02	1823	Ohio Pl. off Oak St.,	Some erosion; no flow.	Sarasota
Hudson	OF-SA-02	1824	Novus St., W. end, off	Very turbid standing water.	Sarasota
Hudson	OF-SA-02	1859	Citrus Ave., N. end, off	Hidden in mangroves; no flow.	Sarasota
Hudson	OF-SA-02	1860	Pomelo Ave., N. end,	No flow.	Sarasota
Hudson	OF-SA-02	1309	Aspinwall St., E. end,	No flow. Basin number changed from OF-	Sarasota
Hudson	OF-SA-02	1310	Aspinwall St., W. end,	No flow. Basin number changed from OF-	Sarasota
Hudson	OF-SA-02	1858	Hudson Ave., S. end,	No flow.	Sarasota
Hudson	OF-SA-02	1870	Palm Ave., south end,	Pipe filled with debris, outfall possibly	Sarasota
Hudson	OF-SA-02	1247	The Bayou Retirement	no flow	Sarasota
Hudson	OF-SA-02	1246	The Bayou Retirement	no flow	Sarasota
Hudson	OF-SA-02	1517	Payne Pkwy. and Oak	No flow.	Sarasota
Hudson	OF-SA-02	1772	Railroad easement NW	No flow.	Sarasota
Hudson	OF-SA-02	1773	Railroad easement NW	No flow.	Sarasota
Hudson	OF-SA-02	1787	Courtland St. and	No flow.	Sarasota
Hudson	OF-SA-02	1813	Ditch from N. under	No flow.	Sarasota
Hudson	OF-SA-02	1814	Ditch from S. under	Very heavy algae. Field test kit sampled.	Sarasota
Hudson	OF-SA-02	1821	Alderman St., E. end,	No flow.	Sarasota
Hudson	OF-SA-02	1308	NE end of Jefferson	Possible yard underdrain pipe nearby.	Sarasota
Hudson	OF-SA-02	1856	Orange Ave., under	No flow.	Sarasota
Hudson	OF-SA-02	1857	Behind 1605 Bay Pt.	No flow.	Sarasota
Hudson	OF-SA-02	1820	Bahia Vista St., Pipe	Heavily overgrown.	Sarasota
Hudson	OF-SA-02	1871	Behind 1553 Bay Pt.	No flow.	Sarasota
Hudson	OF-SA-02	1872	Behind 1519 Bay Pt.	No flow.	Sarasota
Hudson	OF-SA-02	0874	Ringling Blvd. & Euclid	Street drains flowing south. Outfall was	Sarasota
Hudson	OF-SA-02	0875	Floyd Av. & School Av.	Street drains to ditch. Outfall was	Sarasota
Hudson	OF-SA-02	0878	Arlington & Shade Av.	48" - 24" street drain next to. Outfall was	Sarasota
Hudson	OF-SA-02	1865	NW of Hudson Bayou	No flow.	Sarasota
Hudson	OF-SA-02	HB-SA-001	Retention area	No flow. New outfall added to the	Sarasota
Lemon Bay	OF-SC-26	1664	NE side of Manasota	Outfall with ID Number. No flow.	Englewood
Lemon Bay	OF-SC-26	2074	Buchans Landing, S. of	Outfall with ID Number. No flow.	Englewood
Little Salt	OF-SC-21	1395	Not possible to locate	Neither the map nor the database	
Little Salt	OF-SC-21	1378	Next to 560 Fairmount	No flow.	Warm Mineral
Little Salt	OF-SC-21	1381	N. side of US 41,	No flow; canal.	Warm Mineral
Little Salt	OF-SC-21	1384	S. side of 11827 De	Home owners filled and sodded swale;	Warm Mineral
Little Salt	OF-SC-21	1387	100' W. of Sanibel St.	Heavily overgrown.	North Port
Little Salt	OF-SC-21	1390	NW corner of Toledo	Excessive growth in N-S ditch.	North Port

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Little Salt	OF-SC-21	1397	403 Sevilla Dr., behind.	Heavily overgrown.	North Port
Little Salt	OF-SC-21	1400	11958 Cortez Ln., in	Box and drains filled; no longer	Warm Mineral
Little	OF-SC-23	2108	Off Peacock Rd., in	Outfall with ID Number. Dry Weather	Siesta Key
Little	OF-SC-23	LSB-SC-01	200' W. of Webb St.	Outfall with ID Number. Major outfall	Osprey
Little	OF-SC-23	1101	Next to 416 Bayshore	Field test kit sampled. Flow.	Osprey
Little	OF-SC-23	1219	8710 Dunmore Dr.,	No flow.	Sarasota
Little	OF-SC-23	1224	Behind Faith Lutheran	No flow.	Sarasota
Little	OF-SC-23	1227	7173 Antigua Pl.,	No flow.	Sarasota
Little	OF-SC-23	1230	7201 Curtiss Ave.,	No flow.	Sarasota
Little	OF-SC-23	1237	Next to 7541 Curtiss	No flow.	Sarasota
Little	OF-SC-23	1244	Beneva Rd., W. side,	Flow. Field test kit sampled.	Sarasota
Little	OF-SC-23	1249	2627 Cardwell Way,	No flow.	Sarasota
Little	OF-SC-23	1263	1750 Southpointe Dr. ,	No flow.	Sarasota
Little	OF-SC-23	1266	7700 S. Tamiami Trail,	Flow. Field test kit sampled.	Sarasota
Little	OF-SC-24	2111	Livingstone St. West	11/6/97: No flow. Dry Weather sample	Sarasota
Lyons Bay	OF-SC-24	1504	Poinciana Rd. and	Outfall with ID Number. No flow.	Nokomis
Lyons Bay	OF-SC-24	1742	110 and 108 Lyons Bay	Outfall with ID Number. No flow.	Nokomis
Lyons Bay	OF-SC-24-	LB-SC-01	502 Lyons Bay Rd.	Outfall with ID Number. (two parallel	Nokomis
Matheny	OF-SC-04	0509	W. of Mall Dr. and	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0510	Gulf Gate Dr., between	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0519	Next to 3000 Savage	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0550	Concord St. and	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0553	NW corner of Stickney	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0556	NE side of Clark Rd.	Outfall with ID Number. No flow.	Sarasota
Matheny	OF-SC-04	0914	S. side of Publix	Storm water retention discharge.	Sarasota
Matheny	OF-SC-04	0913	W. of McIntosh Rd., 1/3	Dry Weather Sampling Point. No flow.	Sarasota
Matheny	OF-SC-06	0911	Not possible to locate	Neither the map nor the database	Sarasota
Matheny	OF-SC-06	MC-SC-01	N. side of Clark Rd. at	No flow. Major outfall added to inventory	Sarasota
Matheny	OF-SC-06	0912	McIntosh Rd., by Cox	Dry Weather Sampling Point. No flow.	Sarasota
Myakka	OF-SC-18	1145	Not possible to locate	Neither the map nor the database	
Myakka	OF-SC-18	1273	Jo-mar Rd., E. of	Outfall with ID Number. No flow.	Sarasota
Myakka	OF-SC-18	1278	Rawls Rd., W. of	Outfall with ID Number.	Sarasota
Myakka	OF-SC-18	1344	Left before Verna Rd.	Outfall with ID Number. No flow.	Sarasota
Myakka	OF-SC-18	1175	5246 Myakka Valley		Sarasota
Myakka	OF-SC-18	1178	100 ' W. of Tucumcari		Sarasota
Myakka	OF-SC-18	1181	5291 Myakka Valley		Sarasota
Myakka	OF-SC-18	1184	Myakka Valley Tr. and	Some erosion from recent heavy rains.	Sarasota
Myakka	OF-SC-18	1189	100' W. of Myakka		Sarasota
Myakka	OF-SC-18	1158	Ditch N-S, crossing Old		Sarasota
Myakka	OF-SC-18	1168	6386 Singletree Rd.,		Sarasota
Myakka	OF-SC-18	1192	5233 Vanderipe Rd.,	Swampy area; @ 200' along ditch; sheet	Sarasota
Myakka	OF-SC-18	1195	5344 Howard Creek		Sarasota
Myakka	OF-SC-18	1200	N-S ditch junction with		Sarasota
Myakka	OF-SC-18	1372	Ditch 1/4 mi. N. of		Venice
Myakka	OF-SC-18	1375	169 Myakka Dr.,	No flow.	Venice

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Myakka	OF-SC-18	1407	N. to canal from	Clogged with vegetation; no flow possible.	Venice
Myakka	OF-SC-18	1410	S. from S. end of Lee	Overgrown.	Venice
Myakka	OF-SC-18	1413	586 Havana Rd.,	Completely overgrown.	Venice
Myakka	OF-SC-18	1295	1/3 mi. ENE of NE	Flooding and sheet flow normal.	Sarasota
Myakka	OF-SC-18	2090	NE corner of W.		Venice
North	OF-SC-07	2095	100' S. of Palmer	Outfall with ID Number. No flow.	Sarasota
North	OF-SC-07	NC-SC-01	50' E. of Palmer Ranch	Not on CDM map. No flow. Major outfall	Sarasota
North	OF-SC-07	NC-SC-02	300' E. of Palmer	Not on CDM map. No flow. Major outfall	Sarasota
North	OF-SC-07	1131	MacEwen Dr., The	Outfall with ID Number. Flow. Field test	Sarasota
North	OF-SC-07	1134	Between Oriskany	Outfall with ID Number. No flow.	Sarasota
Payne	OF-SA-23	0904	Not possible to locate	Neither the map nor the database	Sarasota
Phillippi	OF-SA-03	2097	Circus Blvd., at bend in	Flow. Outfall transferred from County list.	Sarasota
Phillippi	OF-SA-03	PC-SA-0001	Before entrance to	No flow.	Sarasota
Phillippi	OF-SA-03	1282	200 yards south of 17th	2 stormwater grates in swale on W side of	Sarasota
Phillippi	OF-SA-03	1285	200' S. of Bobby Jones	Records show 15'?	Sarasota
Phillippi	OF-SA-03	1288	Approx. 1/4 mi. S Of	Records show 42'.	Sarasota
Phillippi	OF-SA-03	1298	100' N. of Bobby Jones		Sarasota
Phillippi	OF-SA-03	1299	Circus Blvd., on curve	Field test kit sampled.	Sarasota
Phillippi	OF-SA-03	1397	Hideaway condos on	Swale inside entrance to pipe.	Sarasota
Phillippi	OF-SA-03	1411	NW corner of		Sarasota
Phillippi	OF-SA-03	1412	NW corner of		Sarasota
Phillippi	OF-SA-03	1874	330 Mimosa Cl.,	Pond very green with algae for past year.	Sarasota
Phillippi	OF-SA-03	1875	Behind 180 Mimosa Cl.	Pond very green with algae for past year.	Sarasota
Phillippi	OF-SA-03	1876	Wolverine St. and	Creek sampled for nutrients. Heavy algae	Sarasota
Phillippi	OF-SA-03	1877	Behind 261 Midwest	Very heavy algae.	Sarasota
Phillippi	OF-SA-03	1878	Bearded Oaks Cl.	Very heavy algae.	Sarasota
Phillippi	OF-SA-03	1879	353 Midwest Pkwy.,	Very heavy algae.	Sarasota
Phillippi	OF-SA-03	1880	443 Midwest Pkwy.,	Very heavy algae.	Sarasota
Phillippi	OF-SA-03	1284	1201 Beneva Rd. N.,	Storm water retention pond discharge.	Sarasota
Phillippi	OF-SA-03	1382	3350 Bailey Rd.,		Sarasota
Phillippi	OF-SA-03	1383	740 Bailey Rd., behind.		Sarasota
Phillippi	OF-SA-03	1385	414 Melody Ln.,		Sarasota
Phillippi	OF-SA-03	1737	Bahia Vista St. bridge		Sarasota
Phillippi	OF-SA-03	2105	Bahia Vista and Tice	Under street; same drains at each street.	Sarasota
Phillippi	OF-SA-03	1881	No access to outfall.	3-8-99: Outfall located under	Sarasota
Phillippi	OF-SA-03	1882	No access to outfall.	3-8-99: Outfall located under	Sarasota
Phillippi	OF-SA-03	1267	17th St. 1/2 blk. E of	10/28/99: 48" pipe discharging into canal.	Sarasota
Phillippi	OF-SA-03	1676	Bahia Vista St. bridge		Sarasota
Phillippi	OF-SA-03	1402	Not possible to locate	Neither the map nor the database	Sarasota
Phillippi	OF-SA-03	1297	Behind NE corner of	Pipe is submerged in standing water.	Sarasota
Phillippi	OF-SA-03	1278	1201 Beneva Rd. N.,	Storm water retention pond discharge.	Sarasota
Phillippi	OF-SA-03	1384	Behind K-Mart in Town	Storm water retention pond discharge.	Sarasota
Phillippi	OF-SA-03	1727	Bahia Vista St. bridge	Storm water retention pond discharge.	Sarasota
Phillippi	OF-SA-03	1395	No access to outfall.	3-8-99: Outfall located under	Sarasota
Phillippi	OF-SA-03	1396	No access to outfall.	3-8-99: Outfall located under	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Phillippi	OF-SA-03	2008	Not possible to locate	No file or inspection info. Not listed in	Sarasota
Phillippi	OF-SA-03-	new	Outfall from Bearded	3-4-99: Discovered this outfall during	Sarasota
Phillippi	OF-SC-03	0753	Not possible to locate	Neither the map nor the database	Sarasota
Phillippi	OF-SC-03	0657	Ravenwood	Outfall with ID Number. No flow.	Sarasota
Phillippi	OF-SC-03	0660	Ravenwood	Outfall with ID Number. No flow.	Sarasota
Phillippi	OF-SC-03	0662	Ravenwood	Outfall with ID Number. No flow.	Sarasota
Phillippi	OF-SC-03	0666	49th St., end of.	Outfall with ID Number. No flow.	Sarasota
Phillippi	OF-SC-03	PC-SC-01	4812 Mink Rd., across	No flow. Major outfall added to	Sarasota
Phillippi	OF-SC-03	PC-SC-02	49th St., end of. N.	No flow. Major outfall added to inventory	Sarasota
Phillippi	OF-SC-03	2096	NW corner of Sarasota	Dry Weather Sampling Point. No flow.	Sarasota
Phillippi	OF-SC-03	PC-SC-03	3963 Hidden Glen Dr.,	Outfall with ID Number. Major outfall	Sarasota
Phillippi	OF-SC-03	0522	2501 Parma St.,	Flow. Field test kit sampled.	Sarasota
Phillippi	OF-SC-03	0525	Arapaho St., E. end of,	Some seepage from yards. Septic area.	Sarasota
Phillippi	OF-SC-03	0536	4701 Riverwood St.,	Flow. Field test kit sampled.	Sarasota
Phillippi	OF-SC-03	1881	100' S. from Ashton	No flow. Pipe below surface. Field test	Sarasota
Phillippi	OF-SC-03	1889	2549 Ashton Rd.	Flow. Field test kit sampled.	Sarasota
Phillippi	OF-SC-03	0247	S. side of Bee Ridge	Flow. Field test kit sampled.	Sarasota
Phillippi	OF-SC-03	0475	3243 Austin St., across	No flow.	Sarasota
Phillippi	OF-SC-03	0480	200 yds. SE from W.	No flow.	Sarasota
Phillippi	OF-SC-03	0491	Ashton Rd., E. end of,	No flow.	Sarasota
Phillippi	OF-SC-03	0592	2320 Bee Ridge Rd.,	No flow. Checked 12/10/97 in County not	Sarasota
Phillippi	OF-SC-03	0816	3145 Goldenrod St.,	No flow.	Sarasota
Phillippi	OF-SC-03	0825	2419 Espanola St.,	No flow.	Sarasota
Phillippi	OF-SC-03	0851	2308 Tanglewood St.,	No flow.	Sarasota
Phillippi	OF-SC-03	0889	2207 and 2191 Grove	No flow.	Sarasota
Phillippi	OF-SC-03	1861	2190 and 2208	No flow.	Sarasota
Phillippi	OF-SC-03	2022	S. side of 3590 Tuttle	No flow.	Sarasota
Phillippi	OF-SC-03	2027	2827 Homosassa St.,	No flow.	Sarasota
Phillippi	OF-SC-03	2031	SW corner of Valencia	No flow.	Sarasota
Phillippi	OF-SC-03	2040	SW corner of Valencia	No flow.	Sarasota
Phillippi	OF-SC-03	2102	2457 Yorkshire Dr.,	No flow.	Sarasota
Phillippi	OF-SC-03	2104	3139 Southgate Cl.,	No flow. Pipe broken under water in	Sarasota
Phillippi	OF-SC-03	0611	Gun Club Rd., W.	Ditch discharging into E-W ditch.	Sarasota
Phillippi	OF-SC-03	0624	Gun Club Rd., W.	Pipe discharging into E-W ditch.	Sarasota
Phillippi	OF-SC-03	1084	Underhill Ranch, 6685	No flow. No pipe, dry swale.	Sarasota
Phillippi	OF-SC-03	2109	Kings Bridge Rd. and	No flow.	Sarasota
Phillippi	OF-SC-03	0632	3652 Prudence Dr.	Two small yard drains.	Sarasota
Phillippi	OF-SC-03	0652	Harley Ave. and	Small.	Sarasota
Phillippi	OF-SC-03	0793	Stafford Ln., N. end.	Small.	Sarasota
Phillippi	OF-SC-03	0796	1861 Riviera Cl.	No flow.	Sarasota
Phillippi	OF-SC-03	0004	SE corner of Sarasota		Sarasota
Phillippi	OF-SC-03	0014	North Cattlemen Rd.	30" weir from storm water pond.	Sarasota
Phillippi	OF-SC-03	0049	5227 Richardson Rd.	ditch running So. From football fields	Sarasota
Phillippi	OF-SC-03	0051	NW corner of Fruitville	Flowing NW.	Sarasota
Phillippi	OF-SC-03	0605	1629 Georgetown	Pond inflow and outfall pipes.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Phillippi	OF-SC-03	0608	1632 Georgetown	Pond outfall and storm drain.	Sarasota
Phillippi	OF-SC-03	0894	1702 Gun Club Rd.	No flow.	Sarasota
Phillippi	OF-SC-03	0897	1958 Racimo Dr.	No flow.	Sarasota
Phillippi	OF-SC-03	0898	1702 Jewel Dr.	No flow.	Sarasota
Phillippi	OF-SC-03	1003	Racimo Dr. and Drake	No flow.	Sarasota
Phillippi	OF-SC-03	1015	100 yards S. of Castle	No flow.	Sarasota
Phillippi	OF-SC-03	1066	98 Sarasota Center	No flow.	Sarasota
Phillippi	OF-SC-03	1008	Fox Creek Dr.	No flow.	Sarasota
Phillippi	OF-SC-03	0041	3347 King Outfall with	Weir from N. end of pond.	Sarasota
Phillippi	OF-SC-03	0042	NW side of Cattlemen		Sarasota
Phillippi	OF-SC-03	0055	Brookmead Ln. and	E/W ditch to N/S ditch.	Sarasota
Phillippi	OF-SC-03	0174	4406 Beacon Dr.		Sarasota
Phillippi	OF-SC-03	0294	Ditch NW of Cattlemen	Left side.	Sarasota
Phillippi	OF-SC-03	0295	SW of Bee Ridge Rd.		Sarasota
Phillippi	OF-SC-03	0296	Ditch W. of Cattlemen	Right side.	Sarasota
Phillippi	OF-SC-03	0297	Ditch NW of Cattlemen	2-36" pipes on S. side becoming 1-48" on	Sarasota
Phillippi	OF-SC-03	0766	2411 Teal Ave.		Sarasota
Phillippi	OF-SC-03	0776	Teal Ave. and Beacon		Sarasota
Phillippi	OF-SC-03	0782	4105 Tern St., behind	Three ditches discharging to lake.	Sarasota
Phillippi	OF-SC-03	0785	2953 Mark Dr., behind.		Sarasota
Phillippi	OF-SC-03	0790	3433 E. Forest Lakes		Sarasota
Phillippi	OF-SC-03	0031	757 Apex Rd., behind.	Storm water retention discharge.	Sarasota
Phillippi	OF-SC-03	1018	1240 Fox Creek Dr.,	Ditch running E-W to N-S ditch.	Sarasota
Phillippi	OF-SC-03	1030	Shadow Ridge Cl., lake	Shadow Wood subdivision.	Sarasota
Phillippi	OF-SC-03	1033	2130 Shadow Oaks Dr.,	Swale discharge from pond.	Sarasota
Phillippi	OF-SC-03	1047	2037 E. Leewynn Dr.,	Golf course drainage to N-S ditch.	Sarasota
Phillippi	OF-SC-03	1060	Sun'N'Fun RV Park,	NE-SW ditch to E-W ditch along Fruitville	Sarasota
Phillippi	OF-SC-03	1063	W. side of Scott Paint.	Ditch running E-W to Tatum Rd.	Sarasota
Phillippi	OF-SC-03	0597	E. side of entrance to	New main discharge is along road to the	Sarasota
Phillippi	OF-SC-03	0602	Richardson Rd. at		Sarasota
Phillippi	OF-SC-03	0629	17th St. and Circus	Large ditch joining from NE.	Sarasota
Phillippi	OF-SC-03	0671	Pipe under Lockwood	under roadway, not visable	Sarasota
Phillippi	OF-SC-03	2098	4625 Glebe Farm Rd.	Retention discharge to ditch; also box	Sarasota
Phillippi	OF-SC-03	1036	Sarasota Golf Club	Large N-S ditch to main E-W ditch.	Sarasota
Phillippi	OF-SC-03	1037	2234 Shadow Wood	Street drain to ditch.	Sarasota
Phillippi	OF-SC-03	1040	Shadow Wood Ln. and	Street drains to lake on all sides.	Sarasota
Phillippi	OF-SC-03	1050	3177 Walter Travis Dr.	Retention area discharge.	Sarasota
Phillippi	OF-SC-03	1053	6138 Walter Travis Dr.	Small grassy swales.	Sarasota
Phillippi	OF-SC-03	2092	Laurel Oaks Golf Club	Lake discharge S of clubhouse.	Sarasota
Phillippi	OF-SC-03	2093	Bee Ridge Rd., W. of	Weir on Phillippi Creek.	Sarasota
Phillippi	OF-SC-03	0001	Ditch on E. side of San	Drains Ravenwood and north.	Sarasota
Phillippi	OF-SC-03	0017	Sawgrass Rd., E. end	Ditches from E-W join N-S ditch.	Sarasota
Phillippi	OF-SC-03	0842	2000 Tanglewood Dr.	Slight flow. Field test kit sampled	Sarasota
Phillippi	OF-SC-03	0854	NE end of 7th St. in	Ditch to pipe.	Sarasota
Phillippi	OF-SC-03	0859	N. side of Hyde Park,	Ditch to creek.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Phillippi	OF-SC-03	0868	816 Searcey Ave.	Ditch to lake.	Sarasota
Phillippi	OF-SC-03	2021	SE corner of Sara	Swale discharge from retention pond.	Sarasota
Phillippi	OF-SC-03	2088	Not possible to locate	The outfall described by the map and	Sarasota
Phillippi	OF-SC-03	0110	W. of Wilkinson Rd.	Lake to ditch.	Sarasota
Phillippi	OF-SC-03	0152	N. side of Bee Ridge	Pipe to ditch.	Sarasota
Phillippi	OF-SC-03	0163	4131 Bee Ridge Rd.	Pipe - ditch - lake.	Sarasota
Phillippi	OF-SC-03	0236	4062 Shade Ave.	Drainage ditch.	Sarasota
Phillippi	OF-SC-03	0237	4195 Shade Ave.	Slight flow. Field test kit sampled.	Sarasota
Phillippi	OF-SC-03	0405	NE corner of lake at	Lake to ditch.	Sarasota
Phillippi	OF-SC-03	0468	NW of Beneva Rd. and	Retention areas discharging to pipes	Sarasota
Phillippi	OF-SC-03	0585	N. side of Faith		Sarasota
Phillippi	OF-SC-03	0813	Bell Ave. and Bee	Drainage pipes joining under road.	Sarasota
Phillippi	OF-SC-03	1878	Riverbluff Pkwy. and	Under road in Strathmore Riverside	Sarasota
Phillippi	OF-SC-03	2101	5252 S. Tamiami Trail,		Sarasota
Phillippi	OF-SC-03	2103	Shade Ave. and Haley	Storm water retention discharge.	Sarasota
Phillippi	OF-SC-03	0037	S. side of 2601	Storm water retention discharge to creek.	Sarasota
Phillippi	OF-SC-03	0048	6307 Kahana Dr.,	Large E-W ditch to creek; 12" white PVC	Sarasota
Phillippi	OF-SC-03	0121	6580 Mauna Loa,	Similar drains around this lake and lake to	Sarasota
Phillippi	OF-SC-03	0127	6571 Friendship Dr.,	Similar drains around this lake and lake to	Sarasota
Phillippi	OF-SC-03	0340	SW corner of	Street drain.	Sarasota
Phillippi	OF-SC-03	0799	2220 N. Huntington	Outfall with ID Number.	Sarasota
Phillippi	OF-SC-03	0032	1301 Cattlemen Rd.,	Dry weather sampling point.	Sarasota
Phillippi	OF-SC-03	0279	Cattlemen Rd., Old	street drains to ditch	Sarasota
Roberts	OF-SA-23	1181	3740 Tangier Terr.,	No flow.	Sarasota
Roberts	OF-SA-23	1179	Behind 1389 Tangier	No flow.	Sarasota
Roberts	OF-SA-23	1180	Behind 1513 Tangier	No flow.	Sarasota
Roberts	OF-SA-29	1190	625 Freeling Dr., under	No flow.	Siesta Key
Roberts	OF-SA-29	1191	775 Freeling Dr.,	No flow.	Siesta Key
Roberts	OF-SA-29	1192	864 Siesta Dr., through	No flow.	Siesta Key
Roberts	OF-SA-29	1193	852 Freeling Dr.,	No flow.	Siesta Key
Roberts	OF-SA-29	1194	3531 White St., behind.	No flow.	Siesta Key
Roberts	OF-SC-23	0563	3930 and 3940 Red	Outfall with ID Number. No flow.	Sarasota
Roberts	OF-SC-23	0570	1329 N. Lake Shore,	Outfall with ID Number. No flow.	Sarasota
Roberts	OF-SC-23	0573	1655 Quail Dr.	Outfall with ID Number. No flow.	Sarasota
Roberts	OF-SC-23	0580	W. side of Field Club,	Outfall with ID Number. No flow.	Sarasota
Roberts	OF-SC-25	1510	Not possible to locate	Neither the map nor the database	
Roberts	OF-SC-25	1517	Not possible to locate	Neither the map nor the database	
Roberts	OF-SC-25	1507	Colonia Ln. and	Outfall with ID Number. previously under	Nokomis
Roberts	OF-SC-25	1472	1199 Tamiami Trail S.,	No flow.	Nokomis
Sarasota	OF-SA-23	1149	Behind 1561 Blue	Flow. Field test kit sampled.	Sarasota
Sarasota	OF-SA-23	0344	Payne Terminal, E.	No flow.	Sarasota
Sarasota	OF-SA-23	0345	Payne Terminal, E.	No flow.	Sarasota
Sarasota	OF-SA-23	0711	Tamiami Trail, between	Street drainage; S. side of Fruitville Rd.	Sarasota
Sarasota	OF-SA-23	1053	SE corner of Marina	Large drain; drains downtown.	Sarasota
Sarasota	OF-SA-23	0119	Not possible to locate	Neither the map nor the database	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Sarasota	OF-SA-23	0023	337 N Shore Dr., corner	No flow. Dry.	Sarasota
Sarasota	OF-SA-23	0026	Sapphire Dr. and Sun	Flow. Receiving water has slight greenish	Sarasota
Sarasota	OF-SA-23	0027	15" pipe through	No flow.	Sarasota
Sarasota	OF-SA-23	0028	18" pipe through	No flow.	Sarasota
Sarasota	OF-SA-23	0067	40th St., W. end of, at	No flow.	Sarasota
Sarasota	OF-SA-23	0068	3731 Indian Beach Pl.,	No flow.	Sarasota
Sarasota	OF-SA-23	0069	3731 Indian Beach Pl.,	Flow, standing water. Field test kit	Sarasota
Sarasota	OF-SA-23	0113	Manhole in yard near	Pipe discharge not visible.	Sarasota
Sarasota	OF-SA-23	0114	706 Indian Beach Cl.,	No flow. Standing water.	Sarasota
Sarasota	OF-SA-23	0115	Indian Beach and	No flow.	Sarasota
Sarasota	OF-SA-23	0116	Indian Beach, N. end,	No flow. Standing water.	Sarasota
Sarasota	OF-SA-23	0117	Indian Beach, N. end,	No flow.	Sarasota
Sarasota	OF-SA-23	SB-SA-OOI	4" pipe through seawall	No flow.	Sarasota
Sarasota	OF-SA-23	0894	John Ringling Blvd.	No flow.	Sarasota
Sarasota	OF-SA-23	1000	590 Golden Gate Point,	No flow.	Sarasota
Sarasota	OF-SA-23	1001	Behind 226 Golden	No flow.	Sarasota
Sarasota	OF-SA-23	1002	Not possible to locate	The outfall described by the map and	Venice
Sarasota	OF-SA-23	1003	Behind 306 Golden	No flow.	Sarasota
Sarasota	OF-SA-23	1106	S. side of Main St.	No flow.	Sarasota
Sarasota	OF-SA-23	1107	S. side of Main St.	No flow.	Sarasota
Sarasota	OF-SA-23	1110	SE corner of inner boat	No flow.	Sarasota
Sarasota	OF-SA-23	1150	Behind 1501 Northwest	No flow.	Sarasota
Sarasota	OF-SA-23	1151	Northwest Dr., S. end,	No flow.	Sarasota
Sarasota	OF-SA-23	1153	Not possible to locate	The outfall described by the map and	Sarasota
Sarasota	OF-SA-23	1154	Behind 1625 S. Lodge	No flow.	Sarasota
Sarasota	OF-SA-23	1155	Cherokee Dr., W. end,	Flow. Field test kit sampled.	Sarasota
Sarasota	OF-SA-23	1157	Behind 1647 Shoreland	No flow. Most of pipe below water	Sarasota
Sarasota	OF-SA-23	1158	Behind 1723 Shoreland	No flow. Most of pipe below water	Sarasota
Sarasota	OF-SA-23	1172	Behind 1500 S. Lodge	No flow.	Sarasota
Sarasota	OF-SA-23	1173	Behind 1610 N Lodge	No flow.	Sarasota
Sarasota	OF-SA-23	1174	Not possible to locate	The outfall described by the map and	Sarasota
Sarasota	OF-SA-23	1175	Behind 1500 South Dr.	No flow. Pipe buried under rocks.	Sarasota
Sarasota	OF-SA-23	SB-SA-002	1501 South Dr., buried	Field test kit sampled. Some flow below	Sarasota
Sarasota	OF-SA-23	SB-SA-003	Harmony Dr. and	Field test kit sampled. Flow.	Sarasota
Sarasota	OF-SA-23	0917	Behind 1572 Harbor Dr.	No flow.	Sarasota
Sarasota	OF-SA-23	1137	Behind 1550 Harbor Dr.	No flow.	Sarasota
Sarasota	OF-SA-23	1141	Behind 1800 Flower Dr.	No flow.	Sarasota
Sarasota	OF-SA-23	1142	Behind 1505 Hillview	No flow.	Sarasota
Sarasota	OF-SA-23	1143	Behind 1435 Hillview	No flow.	Sarasota
Sarasota	OF-SA-23	1144	Behind 1301 Vista Dr.	No flow.	Sarasota
Sarasota	OF-SA-23	1145	Behind 1570 Hillview	No flow.	Sarasota
Sarasota	OF-SA-23	1148	Behind 1502 Sandpiper	No flow.	Sarasota
Sarasota	OF-SA-23	1152	Behind 1558	No flow.	Sarasota
Sarasota	OF-SA-23	SB-SA-004	Behind 2020 Oriole Dr.	No flow.	Sarasota
Sarasota	OF-SA-23	1117	Bay Pt. Rd. and	Two street drains; both clogged.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Sarasota	OF-SA-23	1118	Behind 1514 Gulfview	Street drain.	Sarasota
Sarasota	OF-SA-23	1119	1220 Orange Ave., W.	Through seawall.	Sarasota
Sarasota	OF-SA-23	1120	Behind 1348 Harbor Dr.	Through seawall.	Sarasota
Sarasota	OF-SA-23	1121	Behind 1362 Harbor Dr.	Through seawall.	Sarasota
Sarasota	OF-SA-23	1123	Behind 1396 Harbor Dr.		Sarasota
Sarasota	OF-SA-23	1124	Behind 1416 Harbor Dr.		Sarasota
Sarasota	OF-SA-23	0700	Van Wezel Bayou, SW	Buried by vegetation.	Sarasota
Sarasota	OF-SA-23	0710	Hyatt Hotel boat basin,		Sarasota
Sarasota	OF-SA-23	1245	Not possible to locate	No file or inspection info. No information.	Sarasota
Sarasota	OF-SA-23	0701	Van Wezel Bayou, SE		Sarasota
Sarasota	OF-SA-23	0118	Not possible to locate	Neither the map nor the database	Sarasota
Sarasota	OF-SA-23	1122	Not possible to locate	Neither the map nor the database	Sarasota
Sarasota	OF-SA-23	1243	Not possible to locate	No file or inspection info. No information.	Sarasota
Sarasota	OF-SA-23	0029	S. corner of Sapphire	No flow.	Sarasota
Sarasota	OF-SA-23	0056	404 S. Shore Dr.,	No flow. Standing water.	Sarasota
Sarasota	OF-SA-28	0918	590 Golden Gate Point,	No flow.	Lido Key
Sarasota	OF-SA-28	1199	Blvd. of the Presidents	No flow.	St. Armand's
Sarasota	OF-SA-28	1200	Not possible to locate	The outfall described by the map and	Sarasota
Sarasota	OF-SA-28	1202	Approx. 2' below	No flow; under water.	Lido Key
Sarasota	OF-SA-28	1203	Approx. 2' below	No flow; under water.	Lido Key
Sarasota	OF-SA-28	1238	Behind vacant lot next	Street drain, no flow. Outfall ID changed	Lido Key
Sarasota	OF-SA-28	1239	Ford Dr. & Polk Dr.	Street drain, no flow, tidal. Outfall in City	Lido Key
Sarasota	OF-SA-28	1206	John Ringling Blvd., N.	No flow.	Lido Key
Sarasota	OF-SA-28	1209	211 Washington Dr. S.	No flow. Pipe partially submerged.	St. Armand's
Sarasota	OF-SA-28	1210	412 Bowdoin Cl., rock	No flow.	Lido Key
Sarasota	OF-SA-28	1211	110 and 200	No flow.	Lido Key
Sarasota	OF-SA-28	1207	Behind 615 John	Field test kit sampled. Flow. Pipe under	St. Armand's
Sarasota	OF-SA-28	1208	Not possible to locate	The outfall described by the map and	Sarasota
Sarasota	OF-SA-28	1240	S. Blvd. of Presidents	Field test kit sampled. Flow appears to	St. Armand's
Sarasota	OF-SA-28	1216	439 E. Royal Flamingo	No flow.	Bird Key
Sarasota	OF-SA-28	1217	453 E. Royal Flamingo	No flow.	Bird Key
Sarasota	OF-SA-28	1218	421 Meadow Lark Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1219	463 Meadow Lark Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1220	468 Partridge Cl.,	No flow.	Bird Key
Sarasota	OF-SA-28	1221	450 Partridge Cl.,	No flow.	Bird Key
Sarasota	OF-SA-28	1222	614 N Owl Dr., behind,	No flow.	Bird Key
Sarasota	OF-SA-28	1232	635 N. Owl Dr., through	No flow; tide level in pipe.	Bird Key
Sarasota	OF-SA-28	1233	623 Morning Dove Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1201	480 Cleveland Dr.,	No flow. Tidal.	Lido Key
Sarasota	OF-SA-28	1212	Behind 231 Robin Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1213	Behind 210 Bird Key	No flow.	Bird Key
Sarasota	OF-SA-28	1214	Behind 320 W. Royal	No flow.	Bird Key
Sarasota	OF-SA-28	1215	Behind 310 Bird Key	Flow.	Bird Key
Sarasota	OF-SA-28	1223	512 Spoonbill Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1224	532 Spoonbill Dr.,	No flow.	Bird Key

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Sarasota	OF-SA-28	1225	376 Bob White Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1226	354 Bob White Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1227	554 S. Owl Dr., behind,	No flow.	Bird Key
Sarasota	OF-SA-28	1228	574 S. Owl Dr., behind,	No flow.	Bird Key
Sarasota	OF-SA-28	1229	614 S. Owl Dr., behind,	No flow.	Bird Key
Sarasota	OF-SA-28	1230	630 S. Owl Dr., through	No flow.	Bird Key
Sarasota	OF-SA-28	1231	663 Morning Dove Dr.,	No flow.	Bird Key
Sarasota	OF-SA-28	1234	Behind 100 N Warbler	No flow.	Bird Key
Sarasota	OF-SA-28	1235	Behind 100 S Warbler	No flow.	Bird Key
Sarasota	OF-SA-28	1236	360 Royal Flamingo	No flow.	Bird Key
Sarasota	OF-SA-28	1196	Across from 1750	No flow. pipe buried. Heavy overgrowth	Lido Key
Sarasota	OF-SA-28	1197	Across from 1900 Ben	No flow.	Lido Key
Sarasota	OF-SA-28	1195	Across from 3330 Ben	No flow, pipe buried. Street drain, full of	Lido Key
Sarasota	OF-SA-29	1188	Hamilton St. and	No flow.	Siesta Key
Shackett	OF-SC-09	1668	SE corner of Laurel Rd.	Outfall with ID Number. No flow.	Nokomis
Shackett	OF-SC-09	1681	241 Sorrento Ranches	Outfall with ID Number. No flow.	Sarasota
Shackett	OF-SC-09	1688	Maple St. before 1720	Outfall with ID Number. No flow.	Sarasota
South	OF-SC-08	1104	Not possible to locate	Checked Oscar Scherer State Park. The	Osprey
South	OF-SC-08	1706	Tiepolo Dr. between	Outfall with ID Number. No flow.	Osprey
South	OF-SC-08	1721	20' W. of intersection of	Outfall with ID Number. No flow.	Osprey
South	OF-SC-08	2094	6572 Draw Ln., behind.	Dry Weather Sampling Point. No flow.	Sarasota
South	OF-SC-08	1090	No access to outfall.	No access. Central County Utility re-use	Sarasota
South	OF-SC-08	1694	6553 Teada Dr.,	Outfall with ID Number.; no flow.	Sarasota
South	OF-SC-08	1697	6608 Teada Dr.,	Outfall with ID Number.	Sarasota
South	OF-SC-08	1691	No access to outfall.	Wetland to wetland. No access.	Sarasota
South	OF-SC-08	1700	Dove St, very So. end,	small swale in large pasture	Sarasota
Tahiti	OF-SA-23	0339	1130 Tahiti Pkwy.	Small street drain.	Sarasota
Tahiti	OF-SA-23	0340	1140 Tahiti Pkwy.	Small swale.	Sarasota
WCIND	OF-CV-25	1627	Outfall in the City of	Moved to City of Venice outfall database.	Venice
WCIND	OF-CV-25	1624	Outfall in the City of	Moved to City of Venice outfall database.	Venice
WCIND	OF-SC-25	1612	Ditch, N. side of Telford	No flow.	Venice
WCIND	OF-SC-25	1621	1851 Scenic Dr., across	Outfall with ID Number. No flow.	Venice
WCIND	OF-SC-25	1501	Not possible to locate	Neither the map nor the database	Venice
Whitaker	OF-SA-01	0729	Not possible to locate	Not located. The outfall described by the	Sarasota
Whitaker	OF-SA-01	0732	Not possible to locate	Verified to be within City of Sarasota.	Sarasota
Whitaker	OF-SA-01	0698	11th St. and Villas St.	No flow; should be in city. Verified to be	Sarasota
Whitaker	OF-SA-01	0705	2331 15th St., E. of	No flow; storm water pond. Verified to	Sarasota
Whitaker	OF-SA-01	0238	Central Ave., E. side,	No flow; garbage, sediment. Field test kit	Sarasota
Whitaker	OF-SA-01	0053	1200 block of 48th St.	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0104	42nd St., E. end, off of	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0105	42nd St., E. end, off of	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0103	Myrtle St., SW side of	No flow.	Sarasota
Whitaker	OF-SA-01	0148	Pipe through seawall E.	No flow.	Sarasota
Whitaker	OF-SA-01	0149	27th St. bridge, NE of.	No flow.	Sarasota
Whitaker	OF-SA-01	0152	27th St. bridge over	No flow. Dry.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Whitaker	OF-SA-01	0161	Cocoanut Ave. and	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0162	34th St., E. end, at	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0163	35th St., E. end, at	No flow. Dry.	Sarasota
Whitaker	OF-SA-01	0048	Old Bradenton Rd. and	Pipe is under road; large steel cover over	Sarasota
Whitaker	OF-SA-01	0098	SW of 40th St. bridge,	Flow. Field test kit sampled.	Sarasota
Whitaker	OF-SA-01	0146	2846 Riverside Dr.,	Flow. Field test kit sampled.	Sarasota
Whitaker	OF-SA-01	0150	Not possible to locate	The outfall described by the map and	Sarasota
Whitaker	OF-SA-01	0151	Not possible to locate	The outfall described by the map and	Sarasota
Whitaker	OF-SA-01	0292	East Ave. and 17th St.,	No flow; erosion	Siesta Key
Whitaker	OF-SA-01	0318	Not possible to locate	The outfall described by the map and	Siesta Key
Whitaker	OF-SA-01	0209	Behind 2346 Bradenton	No flow; large amount of garbage.	Sarasota
Whitaker	OF-SA-01	0210	Tamiami Trail N. at	No flow; large amount of garbage.	Sarasota
Whitaker	OF-SA-01	0211	Tamiami Trail N., under	No flow; large amount of garbage.	Sarasota
Whitaker	OF-SA-01	0218	Tamiami Trail N. bridge	No flow; large amount of garbage.	Sarasota
Whitaker	OF-SA-01	0239	Behind 2423 Walker Cl.	No flow; sediment.	Sarasota
Whitaker	OF-SA-01	0240	Behind 2409 Walker Cl.	No flow; garbage, sediment.	Sarasota
Whitaker	OF-SA-01	0241	Coconut Ave., under N.	No flow;garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0242	Coconut Ave. and 21st	No flow; garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0243	Central Ave., street	No flow; garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0287	22nd St., under W. side	No flow; garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0288	22nd St., under E side	No flow; garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0289	21st St., south side,	No flow; garbage, sediment.	Sarasota
Whitaker	OF-SA-01	0290	1790 21st St., storm	No flow; garbage; sediment.	Sarasota
Whitaker	OF-SA-01	0546	12th St. and Shade	Runoff from GTE and FPL vehicle maint.	Sarasota
Whitaker	OF-SA-01	0291	1790 21st St., street	No flow; garbage.	Sarasota
Whitaker	OF-SA-01	0164	Not possible to locate	Neither the map nor the database	Sarasota
Whitaker	OF-SA-01	0054	46th St. bridge,SE of	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0055	SW side of 46th St.	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0096	41st St. bridge, NE of	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0097	40th St. bridge, SE of	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0100	39th St., E. of, off Old	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0101	38th St. bridge, NE of	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0102	SW side of 38th St.	Small open ditch drain; no flow.	Sarasota
Whitaker	OF-SA-01	0147	2846 Riverside Dr.,	No flow.	Sarasota
Whitaker	OF-SA-01	0159	Not possible to locate	The outfall described by the map and	Sarasota
Whitaker	OF-SA-01	0160	Not possible to locate	The outfall described by the map and	Sarasota
Whitaker	OF-SA-01	0298	East Ave., SW side of	No flow; erosion	Siesta Key
Whitaker	OF-SA-01	0299	1800 East Ave., S. of,	Erosion; runoff bypassing storm water	Siesta Key
Whitaker	OF-SA-01	0547	8th St. and Lime Ave.,	No flow.	Sarasota
Whitaker	OF-SA-01	0548	Not possible to locate	The outfall described by the map and	Sarasota
Whitaker	OF-SA-01	0016	DeSoto Rd. and Old	No flow. Standing water.	Sarasota
Whitaker	OF-SC-01	0672	Not possible to locate	Neither the map nor the database	Sarasota
Whitaker	OF-SC-01	0691	Not possible to locate	Neither the map nor the database	Sarasota
Whitaker	OF-SC-01	0722	Not possible to locate	Neither the map nor the database	Sarasota
Whitaker	OF-SC-01	0682	2843 47th St., E. side	No flow.	Sarasota

List of Major Outfalls

Drainage	Basin	Station	Location	Investigation Chronology	City
Whitaker	OF-SC-01	0685	4020 4th Ct. in	Small street drain; no flow.	Sarasota
Whitaker	OF-SC-01	0693	S. of Seaward Dr. and		Sarasota
Whitaker	OF-SC-01	0751	Middle Ave. and 51st	No flow.	Sarasota
Whitaker	OF-SC-01	2076	Swale / ditch on Middle	No flow.	Sarasota
Whitaker	OF-SC-01	2077	Swale / ditch on Middle	No flow.	Sarasota
Whitaker	OF-SC-01	2099	Rolling Green Golf	No flow, Dry Weather sample site	Sarasota
Whitaker	OF-SC-01	0708	2430 17th St.	No flow.	Sarasota
Whitaker	OF-SC-01	0718	1793 Mango Ave.,	No flow.	Sarasota
Whitaker	OF-SC-01	0739	No access to outfall.	Outfall not accessible, not visible.	Sarasota
Whitaker	OF-SC-01	0748	E. of US 301 and	No flow; overgrown.	Sarasota
Whitaker	OF-SC-01	2089	1250 Northgate Blvd.,	E/W ditch to N/S ditch.	Sarasota
Woodmere	OF-SC-13	2110	NE corner of SR 776	Dry Weather Sampling Point. (known	Englewood



10/15/2002

TAYLOR RANCH D
434 +/- acres

10/15/2002

TAYLOR RANCH E
200 +/- acres

11-5-02

TAYLOR RANCH F
206 +/- acres

10/30/2000

WARM MINERAL SPRINGS
99.2 +/- acres

7/22/02

TAYLOR RANCH C
1043.6 +/- acres

TAYLOR RANCH
5208 +/- acres
4/8/02

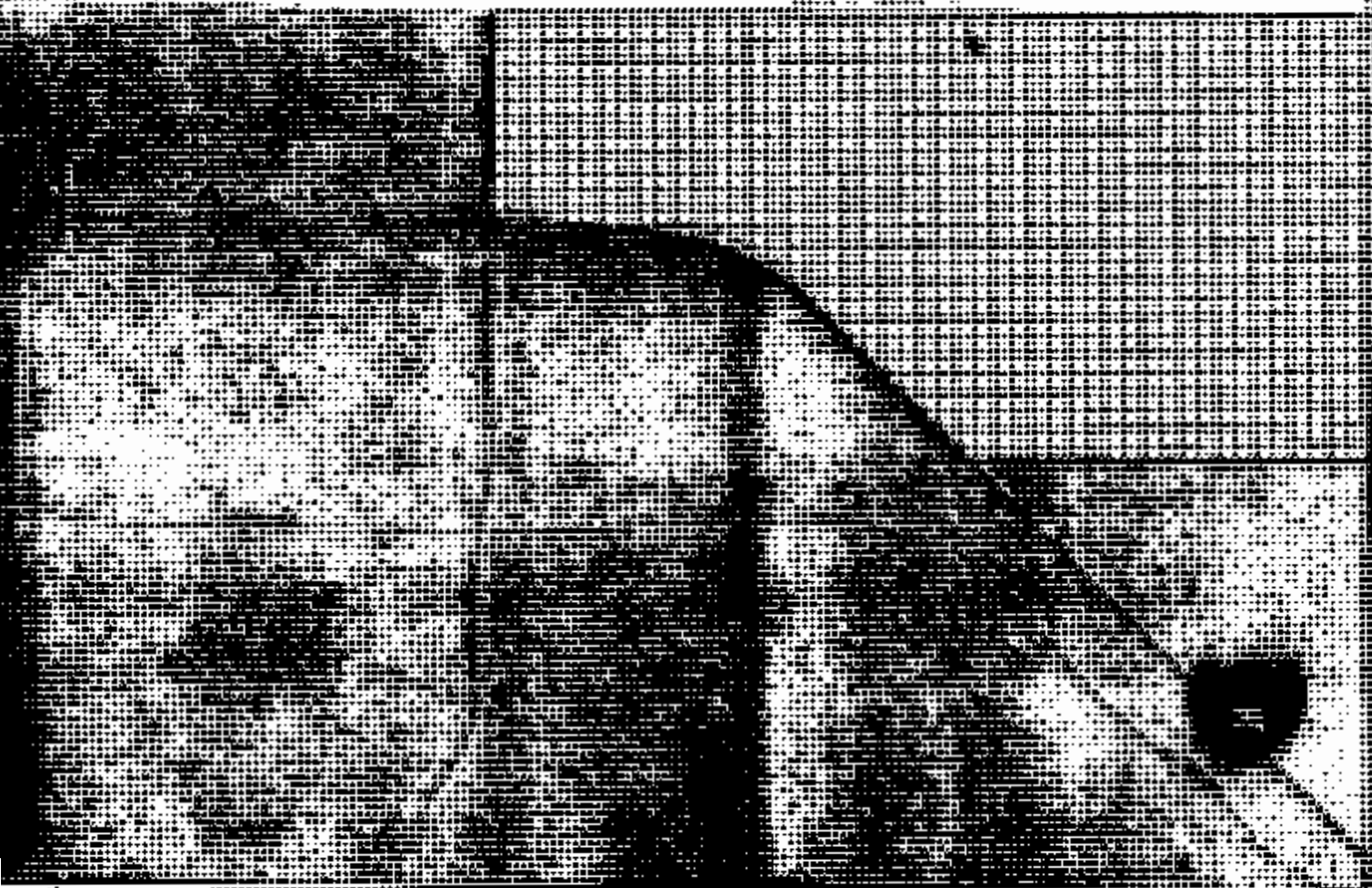
RIVER ROAD OFFICE PARK, INC
235 +/- acres
4-8-2002

12/1/01

EAST OF SOUTH RIVER RC
671 +/- acres

CITY OF
NORTH PORT

FAUSEYSPOMWANNEXATIONRECENT_ANNEXATIONS.MX



MAP B CITY OF NORTH PORT RECENT ANNEXATIONS



PREPARED BY THE SARASOTA COUNTY GROWTH MANAGEMENT BUSINESS CENTER
GIS MAPPING AND GRAPHICS UNITS - MAY 2003

"Dedicated to Quality Service"

