



Annual Report Form For Individual NPDES Permits For Municipal Separate Storm Sewer Systems (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by email to the NPDES Stormwater Program Administrator or to the MS4 coordinator (<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>). Files larger than 10MB may be placed on the FTP site at: ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/. After uploading files, email the MS4 coordinator or NPDES Program Administrator to notify them the report is ready for downloading; or by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

Submit the form and attachments to:
 Florida Department of Environmental Protection
 Mail Station 3585
 2600 Blair Stone Road
 Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION	
A.	Permittee Name: TOWN OF MANGONIA PARK
B.	Permit Name: Palm Beach County MS4
C.	Permit Number: FLS000018-004
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input checked="" type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
E.	Reporting Time Period (month/year): 10 / 2018 through 9 / 2019
F.	Name of the Responsible Authority: Kenneth Metcalf
	Title: Town Manager
	Mailing Address: 1755 East Tiffany Drive
	City: Mangonia Park Zip Code: 33407 County: Palm Beach
	Telephone Number: 561-848-1235 Fax Number: 561-848-6940
	E-mail Address:
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): SAME AS ABOVE
	Title:
	Department:
	Mailing Address:
	City: Zip Code: County:
	Telephone Number: Fax Number:
	E-mail Address:

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)	
A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

SECTION III. PART V.B. ASSESSMENT PROGRAM

A.	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Status: The monitoring program is carried out jointly by the PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls is addressed within the Annual Assessment Report documents, provided herewith.</p>
B.	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p>See attached Annual Assessment Report.</p>
C.	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p>See attached Annual Assessment Report.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$31,500.00
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$50,250
C.	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>THE EXPENDITURES INCREASED THIS PERIOD DUE TO CONTRACTING TO MAINTAIN AND CLEAN THE MS #1 AREA (44% OF OVERALL EXFIL.SYS). COSTS TO DO ENTIRE SYSTEM EXCEEDED BUDGET SO INCLUDED IN THE BUDGET FOR YEAR 4.</p>

SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	See Joint Annual Report and attached Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	See Joint Annual Report and attached Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> The monitoring plan (with revisions, if applicable). If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. 	Part V.B.3 Part V.A.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

DO NOT SUBMIT ANY OTHER MATERIALS
(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:

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 properly gathered and evaluated the information submitted. Based upon 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.

Name of Responsible Authority (type or print): Kenneth Metcalf

Title: Town Manager

Signature:  Date: 02/04/2020

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.					C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation								
Report the current known inventory.									
Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained.									
<i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i>									
Type of Structure		Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
		Dry retention systems	0						
Underdrain filter systems		0							HAVE NONE
Exfiltration trench / French drains (LF)		3103	1	44	1	44	RECEIPT	CONTRACTOR	MS#1 CLEANED
Grass treatment swales (miles)		4879	1	100	0	100%	SW-TA	ADMIN	DURING LITTER CON
Dry detention systems		0							HAVE NONE
Wet detention systems		0							HAVE NONE
Detention with filtration systems		0							HAVE NONE
Alum Injection systems		0							HAVE NONE
Pollution control boxes		0							HAVE NONE
pump stations		0							HAVE NONE
Major outfalls		2	2	100	0	100	MSW-TA	ADMIN	
Weirs or other control structures		2	2	100	0	0	MSW-TA	ADMIN	W/ CON/ STRUCT. NO MAINT REQ'D
pipes / culverts (LF)		2125	1	44	1	44	RECEIPT	CONTRACTOR	DURING PIPE CLEANING
Canals		0							HAVE NONE
Inlets / catch basins / grates		57	34	60	0	0	DSIR-TA	ADMIN	ALL GOOD
Ditches / conveyance swales (miles)		0							HAVE NONE
If the minimum inspection frequencies set forth in Table II.A.1.a. were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.		<input type="checkbox"/>							N/A

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: 2 SMALL MS4 SYSTEMS-FAIRLY EASY TO MONITOR				
	Limitations: VERY SMALL TOWN WITH BUDGETARY CONSTRAINTS FOR PERSONNEL				
	SWMP revisions implemented to address limitations: COUNCIL CONSIDERED SWUA BUT DID NOT PROCEED DUE TO ECONOMICS AT THIS TIME				
Part III.A.2	Areas of New Development and Significant Redevelopment				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	Number of significant development projects reviewed	7	SITE PLAN	ADMIN	IN REVIEW
		0	SITE PLAN	ADMIN	STILL IN REV.
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.				
	Year 2 ONLY: Attach the summary report of the review activity	<input type="checkbox"/>			N/A
	Year 4 ONLY: Attach the follow-up report on plan implementation	<input type="checkbox"/>			N/A
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: SMALL SYSTEM COMPARED TO OTHER MS4s AND EASY TO MONITOR				
	Limitations: PERSONNEL TURNOVER AND GETTING STAFF TO FILL FORMS OUT-PERFORMANCE IS GOOD-PAPERWORK NEEDS CONTINUITY				
	SWMP revisions implemented to address limitations: TRAINING SESSION IN NEXT FEW MONTHS				
Part III.A.3	Roadways				
	Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>				
	PERMITTEE Litter Control: Frequency of litter collection	AS NEEDED	LCL-TA	ADMIN	
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	10,476	LCL-TA	ADMIN	
	PERMITTEE Litter Control: Estimated amount of litter collected (13 gal bags)	63	LCL-TA	ADMIN	
	CONTRACTOR Litter Control: Frequency of litter collection	0			DO NOT USE
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	0			DO NOT USE
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0			DO NOT USE
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".				
	Trash Pick-up Events: Total miles cleaned	0			HAVE NONE
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0			HAVE NONE

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Adopt-A-Road: Total miles cleaned	0			HAVE NONE
	Adopt-A-Road: Estimated amount of litter collected (cy)	0			HAVE NONE
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.				
	Frequency of street sweeping	0			DO NOT
	Total miles swept	0			HAVE ANY
	Estimated quantity of sweeping material collected (cy / tons)	0			CURB
	Total phosphorous loadings removed (pounds)	0			AND
	Total nitrogen loadings removed (pounds)	0			GUTTER
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
	0				HAVE NONE
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: SMALL TOWN EASY TO SEE AND PICKUP				
	Limitations: PERSONNEL/COST				
	SWMP revisions implemented to address limitations: LITTER COLLECTION INCREASING IN MS 4 AREAS-RECORDS KEPT				
Part III.A.4	Flood Control Projects				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.				
	Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.				
	Flood control projects completed during the reporting period	0	N/A	ADMIN	NONE THIS AR
	Flood control projects completed that did <u>not</u> include stormwater treatment	0	N/A	ADMIN	
	Stormwater retrofit projects planned/under construction	0	N/A	ADMIN	
	Stormwater retrofit projects completed	0	N/A	ADMIN	
If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	<input type="checkbox"/>				N/A
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: EASY TO MAINTAIN-SMALL SYSTEM				
	Limitations: PERSONNEL/COST				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	SWMP revisions implemented to address limitations: NONE PROPOSED AT THIS TIME-COST LIMITATIONS				
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
	Report the applicable facilities and the number of the inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
	Name of facility #1: DO NOT HAVE ANY OF THESE FACILITIES	0			
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: N/A				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application				
	Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.				
	Report the number of permittee personnel who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.				
	PERSONNEL: FDACS public applicators of pesticides/herbicides	0			USE CONTRACTOR ONLY
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	1	RECEIPTS.	TOMASELLO	
	PERSONNEL: Green Industry BMP Program training completed	0			
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	0	RECEIPTS	NOT ASSIGNED	NONE THIS PERIOD
	Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.				
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance	<input type="checkbox"/>			N/A
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	66	ADMIN COUNT	ADMIN	
	Neighborhood presentations: Number conducted	0			
	Neighborhood presentations: Number of participants	0			
	Newspapers & newsletters: Number of articles/notices published	1	NEWS LETTER	ADMIN	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Newsletters: Number of newsletters distributed	420	NEWS LETTER	ADMIN	
	Public displays (posters,)	2	PHOTOS	ADMIN	
	Radio or television Public Service Announcements (PSAs)	REF	GROUP	REPORT	
	School presentations: Number conducted	0			DO NOT
	School presentations: Number of participants	0			HAVE ANY
	Seminars/Workshops: Number conducted	0			OF THESE
	Seminars/Workshops: Number of participants	0			PROGRAMS
	Special events: Number conducted	0			
	Special events: Number of participants	0			
	Number of visitors to stormwater-related pages	0			
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: SMALL TOWN-- EFFECTIVE DELIVERY				
	Limitations: NO SIGNIFICANT ONES				
	SWMP revisions implemented to address limitations: CONTINUE INSERTING NPDES COMPREHENSIVE FLYERS IN NEWS LETTER & WATER BILLS				
Part III.A.7.a	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures				
	Report amendments in Year 4.				
	Year 4 ONLY: Attach a report on amendments to applicable legal authority	<input type="checkbox"/>			N/A
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges	1 FOR AREA	REPORTS	WPBFD	FIRE DEPT. GOES THROUGH TOWN
	Illicit discharges found during a proactive inspection	0	REPORTS	WPBFD	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0		ADMIN	NONE REC'D
	Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Reports of suspected illicit discharges received	0	PID-TA	ADMIN	NO REPORTS
	Reactive investigations of reports of suspected illicit discharges etc.	0	PID-TA	ADMIN	NO REPORTS
	Illicit discharges etc. found during reactive investigation	0	PID-TA	ADMIN	NO REPORTS
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	PID-TA	ADMIN	NO REPORTS

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	1	ATTENDANCE LIST	ADMIN CONSULTANT	
	Contractors trained	1	ATTENDANCE LIST	ADMIN CONSULTANT	
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Report on the spill prevention and response activities, including the number of spills addressed.				
	Hazardous and non-hazardous material spills responded to	0	WPBFD REP.	WPBFD	UNDER CONTRACT.
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	1	ATTEND. SHT.	ADMIN CONSULTANT	
	Contractors trained	0			DO NOT USE
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	66	ADMIN COUNT	ADMIN	
	Neighborhood presentations: Number conducted	0			DO NOT HAVE
	Neighborhood presentations: Number of participants	0			
	Newspapers & newsletters: Number of articles/notices published	1	NEWS LETTER	ADMIN	
	Newsletters: Number of newsletters distributed	420	NEWS LETTER	ADMIN	
	Public displays (posters)	2	POSTERS	ADMIN	FRONT WINDOW TOWN HALL
	Radio or television Public Service Announcements (PSAs)	0			DO NOT
	School presentations: Number conducted	0			HAVE ANY
	School presentations: Number of participants	0			OF THESE
	Seminars/Workshops: Number conducted	0			ACTIVITIES
	Seminars/Workshops: Number of participants	0			
	Special events: Number conducted	0			
	Special events: Number of participants	0			
	Number of visitors to stormwater-related pages	0			

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	66	BROCHURE	ADMIN	
	Neighborhood presentations: Number conducted	0			DO NOT
	Neighborhood presentations: Number of participants	0			HAVE
	Newspapers & newsletters: Number of articles/notices published	1	NEWS LETTER	ADMIN	
	Newsletters: Number of newsletters distributed	420	NEWS LETTER	ADMIN	
	Public displays (posters)	2	POSTERS	ADMIN	FRONT WINDOW TOWN HALL
	Radio or television Public Service Announcements (PSAs)	0			DO
	School presentations: Number conducted	0			NOT
	School presentations: Number of participants	0			HAVE
	Seminars/Workshops: Number conducted	0			ANY
	Seminars/Workshops: Number of participants	0			OF
	Special events: Number conducted	0			THESE
	Special events: Number of participants	0			ACTIVITIES
	Storm sewer inlets newly marked/replaced	0			
	Number of visitors to stormwater-related pages	0			
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. Report only the SSOs and inflow / infiltration incidents into the MS4.				
	Owner of the sanitary sewer system	TOWN OF MANGONIA PARK FOR PIPING-THEN PUMPED TO CITY OF RIVIERA BEACH PLANT			
	Activity to reduce/eliminate SSOs and I&I: (description)	0	UTILITY RECORDS	ADMIN	PREVIOUSLY DONE REF. AR 15-16
	Activity to reduce/eliminate SSOs and I&I: (description)	0	UTILITY RECORDS	ADMIN	
	SSO incidents discovered	0			N/A
	SSO incidents resolved	0			N/A

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE								
A.	B.			C.	D.	E.	F.	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity			Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
	Inflow / infiltration incidents discovered			0			N/A	
	Inflow / infiltration incidents resolved			0			N/A	
Part III.A.7 Summary	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.							
	Strengths: SMALL SYSTEM							
	Limitations: OLD SYSTEMS AND COST/HAS TO BE EVALUATED AS ALL THIS TYPE OF WORK IS CONTRACTED							
	SWMP Revisions implemented to address limitations: NONE AT THIS TIME-CONTINUE TO MONITOR AND STUDY							
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections							
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.							
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.							
	Type of Facility			Number of Facilities	Number of Inspections	Enforcement Actions		
	Operating municipal landfills			0				Have None
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities			0				
	EPCRA Title III, Section 313 facilities (TRI)			0				
Facilities determined as high risk by the permittee			0				DID NOT FIND ANY IN DATA BASES	
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries							
	Report the number of high risk facilities sampled.							
	High risk facilities sampled			0			HAVE NONE	
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.							
	Strengths: N/A							
	Limitations: N/A							
	SWMP revisions implemented to address limitations: N/A							
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices							
N/A	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.							
	PERMITTEE SITES: Construction site plans reviewed			0	SITE REVIEW LETTERS	ADMIN	NONE IN MS-4	
	PERMITTEE SITES: Construction site plans approved			0				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	PRIVATE SITES: Construction site plans reviewed	0	SITE REVIEW LETTERS	ADMIN	NONE IN MS-4
	PRIVATE SITES: Construction site plans approved	0			
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	Notified of ERP stormwater permit requirements	0			NONE
	Confirmed ERP coverage	0			IN
	Notified of CGP stormwater permit requirements	0			MS4
	Confirmed CGP coverage	0			THIS AR
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement				
	Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.				
	PERMITTEE SITES: Active construction sites	0			
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			FOR ALL
	PERMITTEE SITES: Percentage of active construction sites inspected	0			ITEMS
	PRIVATE SITES: Active construction sites	0			NONE IN MS4
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			THIS AR
	PRIVATE SITES: Percentage of active construction sites inspected	0			
	Enforcement Action	0			
Part III.A.9.c	Construction Site Runoff — Site Operator Training				
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).				
		DEP Certification	Annual Training		
	Permittee construction site inspectors	1	1	FIELD REPORT	ADMIN/CONSULT. ENGR
	Permittee construction site plan reviewers	1	1	SITE PLAN LETTER	ADMIN/CONSULT. ENGR
	Permittee construction site operators	0			NONE- CONTRACTOR IS SITE OP.
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: DEVELOPMENT IS INFREQUENT-TOWN ENGINEER BEEN REVIEWING PLANS SINCE 1982 AND IS STEERING COMMITTEE CHAIRMAN FOR PBC NPDES STEERING COMMITTEE				
	Limitations: NONE NOTED				
	SWMP revisions implemented to address limitations: NONE PROPOSED				

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)

A.	Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.
		NONE PROPOSED
B.	Permit Citation/ SWMP Element	Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)
		NONE PROPOSED

SECTION IX. TMDL Status Report

A.	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.								
	WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
	N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP)
				<input type="checkbox"/> / <input type="checkbox"/>					
B.	YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented. Year 3: Submit a Monitoring data summary or BPCP (if applicable). Year 4: Submit a Supplemental SWMP (if applicable).								
	WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date				
	N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)					
C.	Provide a brief statement as to the status of TMDL implementation according to Part VIII.B of the permit (e.g. status of monitoring to validate WLA): <i>No discharge to a TMDL WBID at the time of permit issuance</i>								

**Town of Mangonia Park, FL
(Palm Beach County, Florida)
MS4 Permit No. FLS000018-004**

Monitoring Assessment Program

Assessment Program Objective:

The purpose of this assessment program is to provide information for the Town of Mangonia Park to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

Town MS4 Commentary:

The Town of Mangonia Park is contained within Section 5 T43 R43 in Palm Beach County, Florida (Ref Ex. 1). Within the Town area (600+/- Square acres) only 70+/- acres (0.31% of basin) are in 2 MS4 basins. Each Basin has its own outfall. Both MS4s are have exfiltration systems. MS4 Area #1 has 1360 LF of 4' x 6' exfiltration trench and MS4 Area #2 has 1743 LF of 10' x 12' exfiltration trench. The systems are maintained and cleaned in an on-going program of maintenance and reporting for both areas. There also swales as the roads have no raised curbing.

The Town is dependent on group activities and will utilize the data the group supplies to evaluate Town's MS4s systems

Water Quality Monitoring:

The monitoring station for the Town is 12A within the SFWMD C-17 (see below). The Town's discharge flows to the C-17 via the City of Riviera Beach RC-2 canal. It should be noted that portions of Riviera Beach also contribute flow to the RC-2 canal along with a County roadway (Australian Avenue).

Monitoring Station Number	Location Description	Latitude/ Longitude	Receiving Water Body
12A	S. SIDE 45 TH ST BRIDGE	LAT 26.75868 LON -80.08830	C-17

The primary interest that FDEP has regarding the MS4 permit program is related to nutrients and what impacts these loads have on the downstream water bodies. Mangonia Park has reviewed the nutrient monitoring program data results at the above location. C-17 nutrient trend tables and figures (12A 1990-2019) is provided on the Palm Beach County MS4 website(www.pbco-npdes.org) under Annual Reports, Cycle 4 Year 3 Joint Report (refer to Table 5-11 and Figures 5-2, 5-3 and 5-4, attached). All three water quality trends for Total Nitrogen, Total Phosphorous and Chlorophyll-a show a decreasing trend.

Pollutant Loading Estimates/Results:

The Town of Mangonia Park is relying on the Group Report. The Group developed pollutant loading estimates during the 3rd year of this permit cycle, using the SIMPLE protocol. The group provided loadings estimates “by MS4” as listed below for the 6 required water quality parameters (Refer to Cycle 4-Year 3 Joint Report-Summary of Average Annual Pollutant Loading Model Activities). The results as listed below include for 2018 a 6% reduction for public education as allowed by FDEP.

Watershed C-17								
2013 Pollutant Loads (lbs./yr.)								
Municipality	BOD5	TSS	TP	CU	ZN	TN	Area (ac.)	Percent
Mangonia Park, Town of	3,807	22,990	172	11	41	1,253	71.67	0.31%

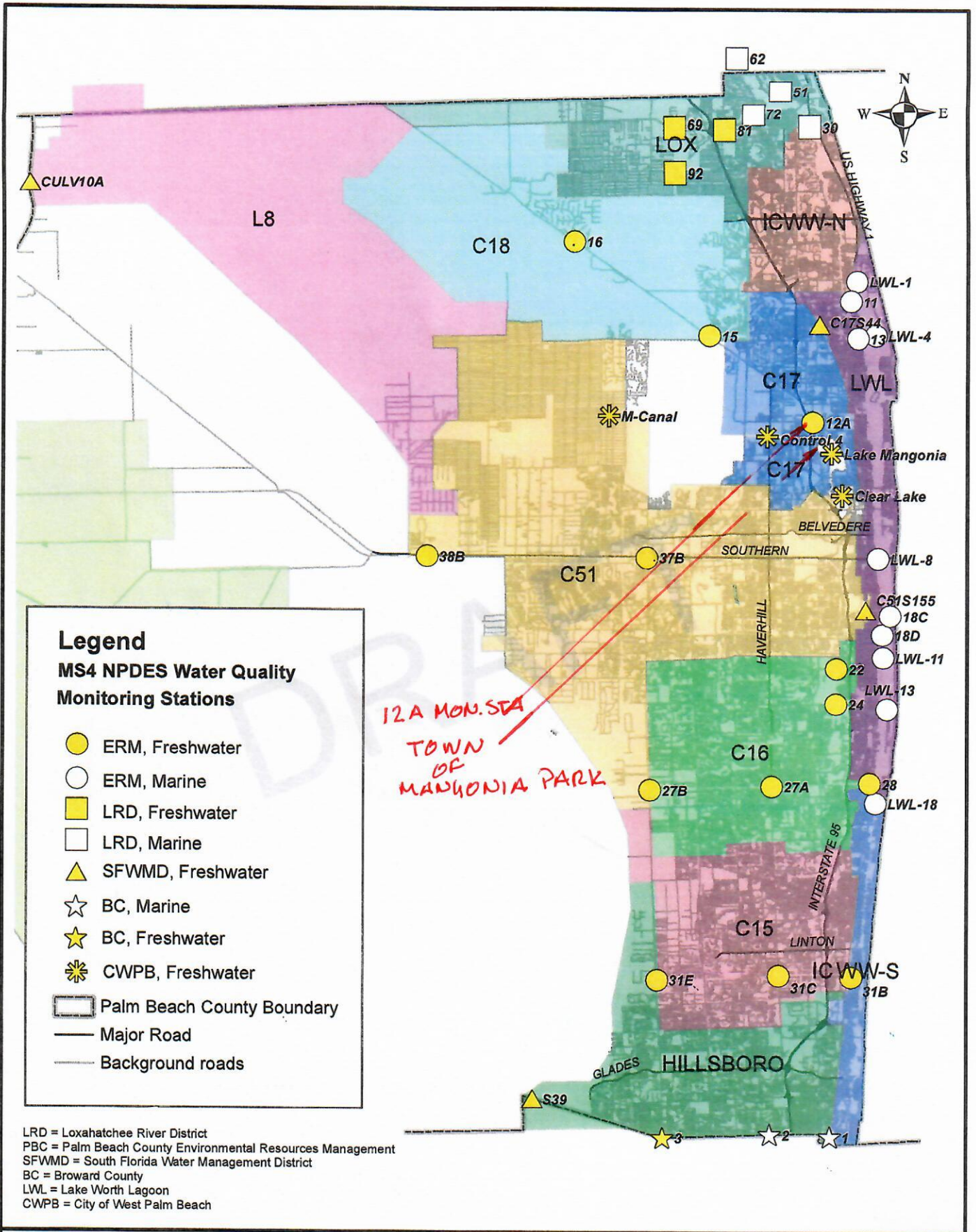
Watershed C-17								
2018 Pollutant Loads (lbs./yr.)								
Municipality	BOD5	TSS	TP	CU	ZN	TN	Area (ac.)	Percent
Mangonia Park, Town of	2,831	14,973	155	8.5	21	1,135	71.67	0.31%

Reduction (lbs./yr.)	976	8,017	17	2.5	20	118		
% Red. From 2013	25.6	34.9	9.9	22.7	48.8	9.4		

The pollutant loading estimates indicate a significant lower pollutant loads over past two permit cycles. The primary driver of the significant pollutant loading reductions was the result of doubling the extent of the exfiltration system in FY2015-2016. The pollutant loading estimates indicate that the current stormwater pollution prevention programs in place are generally managing the stormwater runoff in terms of pollutant loadings, and implementation of additional programs is not warranted

Evaluation and Response Plan:

In conclusion, based on both the water quality monitoring program and pollutant loading analysis, the Town of Mangonia Park has an effective stormwater management program. As such there is no need for additional stormwater management programs.



Palm Beach County (Eastern Area) Watershed Boundaries and Water Quality Monitoring Stations Figure 5-1

EX 1

Table 5-11 Water Quality Trends

C-17 Watershed

(Page 3 of 14)

Total Nitrogen

Site	Date Range	Tau	Slope ¹	Selected P-Value ²	Statistical Trend Interpretation ³
12A	1999 - 2019	-0.269583	-0.000072	0.000122	Significant Decreasing Trend
C17S44	1999 - 2019	-0.359972	-0.000049	< 0.0001	Significant Decreasing Trend

Total Phosphorus

Site	Date Range	Tau	Slope ¹	Selected P-Value ²	Statistical Trend Interpretation ³
12A	1999 - 2019	-0.049234	-0.000001	0.482051	Decreasing Trend
C17S44	1999 - 2019	-0.021714	-0.0000003	0.686982	Decreasing Trend

Total Chlorophyll-a (corrected)

Site	Date Range	Tau	Slope ¹	Selected P-Value ²	Statistical Trend Interpretation ³
12A	1999 - 2019	-0.056574	-0.000399	0.438333	Decreasing Trend
C17S44	1999 - 2019	-0.019921	-0.000200	0.915730	Decreasing Trend

¹ Even if the p-value is determined to be statistically significant, the result may not be ecologically significant. For example, if a trend is statistically significantly declining (negative trend) and the concentration is low in the water, then it may not be realistic to assume that an improvement in water quality by reductions in TN or TP may positively impact the ecological system in a measurable way. A negative slope is an indication of a decreasing trend, while a positive slope is an indication of an increasing trend.

² Results contain serial correlation (as per autocorrelation analysis results) used the p-value adjusted for serial correlation.

³ If the p-value is less than 0.05, then a decreasing trend may suggest an improvement in water quality, and an increasing trend may suggest a decline in water quality.

Figure 5-2 Total Nitrogen Trend

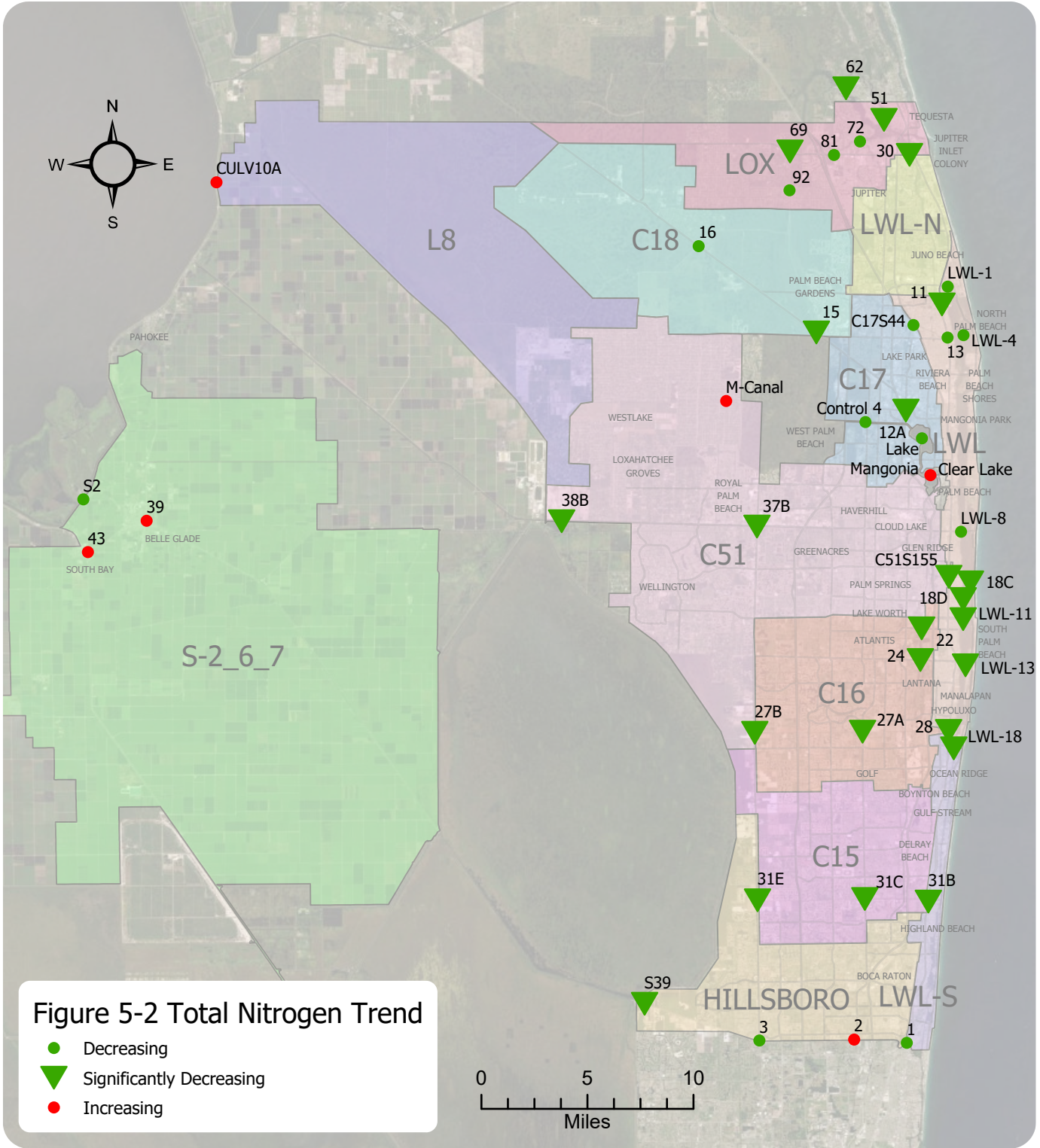


Figure 5-3 Total Phosphorous Trend

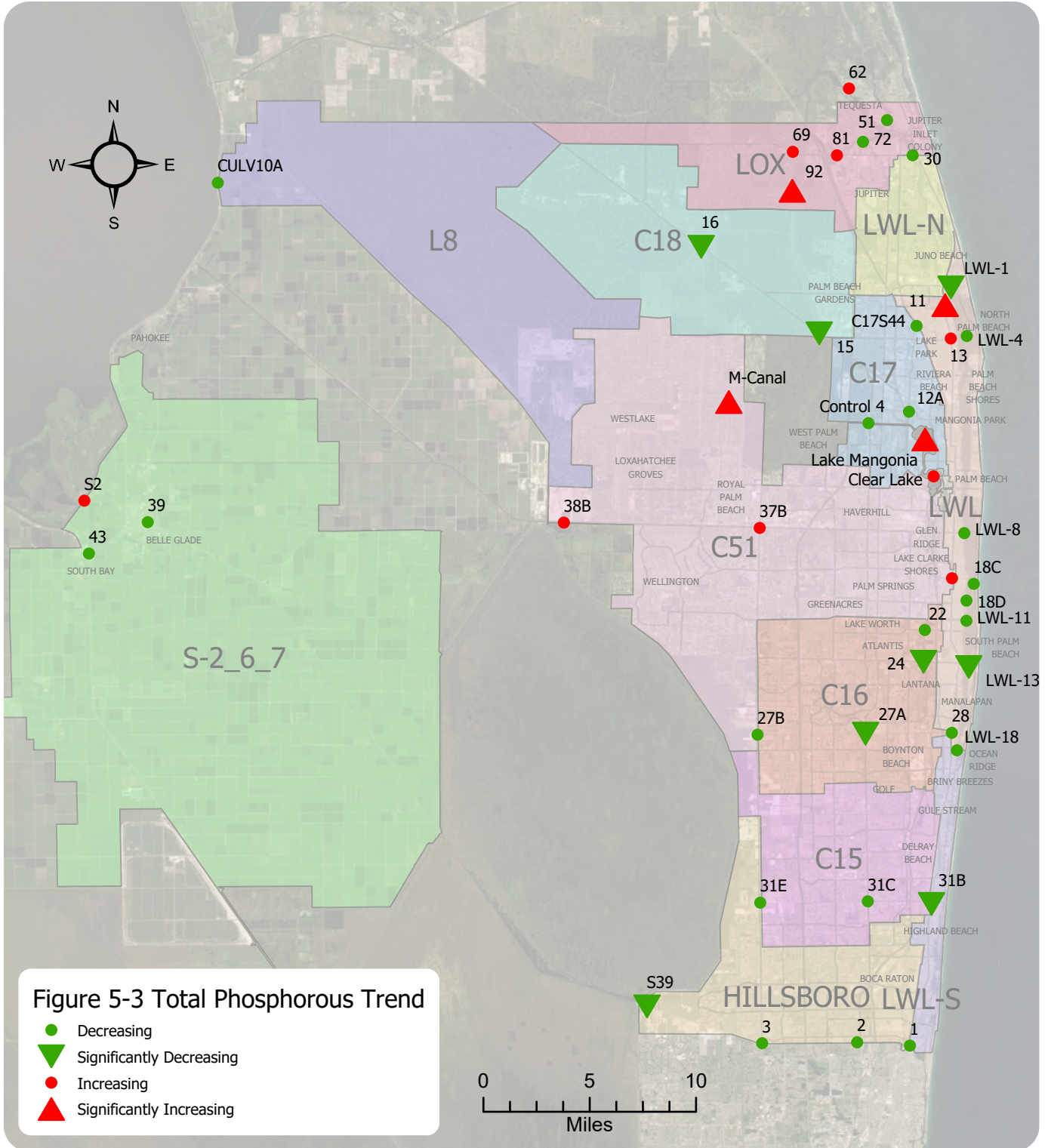


Figure 5-4 Chlorophyll-a (corrected) Trend

