



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 Lake Clarke Shores
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: Daniel Clark
	Title: Town Administrator
	Mailing Address: 1701 Barbados Road
	City: Lake Clarke Shores Zip Code: 33406 County: Palm Beach
	Telephone Number: 561-964-1515 Fax Number: 561-964-0685
	E-mail Address: dclark@lakeclarke.org
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Damon Gammons
	Title: Utilities Superintendent
	Department: Public Works
	Mailing Address: 1701 Barbados Road
	City: Lake Clarke Shores Zip Code: 33406 County: Palm Beach
	Telephone Number: 561-642-7870 Fax Number: 561-964-0685
	E-mail Address: dgammons@lakeclarke.org

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 checked="" 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 checked="" 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: Current approval of the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit). The Assessment Plan was approved May 6, 2019. Status: The monitoring program is carried out jointly by the PBC permittees. See the PBC Joint Annual Report. Lake Clarke Shores is relying on the Group water quality data at 37B (upstream) and 18C (downstream). These data are also graphed by the group. See attached Assessment Report</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 PBC Joint Report – Appendix B (Summary of Average Annual Pollutant Loading Model Activities) and 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 PBC Joint Report – Appendix B and Annual Assessment Report.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$17,541
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$37,000
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>Expenditures = \$5,841 fees, + \$7,500 + \$4,200 repairs = \$17,541 Budget = \$7,000 NPDES + \$30,000 Stormwater = \$37,000</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 & Assessment Reports.
<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 & Assessment Reports.
<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): Daniel Clark

Title: Town Administrator

Signature:  Date: 1 / 9 / 20

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									
	<p>Report the current known inventory.</p> <p>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.</p> <p><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></p>									
	Type of Structure	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained				
	Dry retention systems	2	2	100	0	0	Tracking Sheet	LCS	Not Needed	
	Dry detention systems	1	1	100	0	0	Tracking Sheet	LCS	Contract SOP	
	Major outfalls	4	4	100	0	0	Rd Main. Sch.	LCS	Not Needed	
	pipes / culverts (miles)	3.53	1(all)	100	0	0	Rd Main. Sch.	LCS	Not Needed	
	Inlets / catch basins / grates	156	156	100	0	0	Rd Main. Sch.	LCS	Not Needed	
	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.									Minimum frequencies met.

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: Inspections and resulting maintenance, if required, have occurred more frequently than required per Table II.A.1.a					
	Limitations: There are no known limitations of the SWMP					
	SWMP revisions implemented to address limitations: N/A					
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		0	N/A	N/A	N/A
	Number of significant development projects approved		0	N/A	N/A	N/A
	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	N/A	N/A	N/A
	Year 4 ONLY: Attach the follow-up report on plan implementation		<input type="checkbox"/> N/A	N/A	N/A	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: N/A					
	Limitations: N/A					
	SWMP revisions implemented to address limitations: N/A					
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		2	Website Resolution	LCS	International Coastal; Keep PBC Beautiful
	PERMITTEE Litter Control: Estimated amount of area maintained (mi)		14.2	Website Resolution	LCS	CAD Map
	PERMITTEE Litter Control: Estimated amount of litter collected (lbs)		3120	International Report	Coastal Cleanup	12/19/19 email
	CONTRACTOR Litter Control: Frequency of litter collection		1/week	Contract	ABM	Parks
	CONTRACTOR Litter Control: Estimated amount of area maintained (mi)		14.2	Contract	ABM	Parks
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)		0	N/A	ABM	Parks Didn't Record
	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		14.2	Website Resolution	Great American Cleanup	Lakes & Canals
	Trash Pick-up Events: Estimated amount of litter collected (lbs)		1500	American	Great American	12/19/19 email

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	Cleanup	40 bags last year
	Adopt-A-Road: Total miles cleaned	0	0	0	
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	0	0	
	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	N/A	N/A	No curb & gutter
	Total miles swept	0	N/A	N/A	N/A
	Estimated quantity of sweeping material collected (cy / tons)	0	N/A	N/A	N/A
	Total phosphorous loadings removed (pounds)	0	N/A	N/A	N/A
	Total nitrogen loadings removed (pounds)	0	N/A	N/A	N/A
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.				
	Name of Facility				
	N/A	0			
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The trash pick up events are effective in providing planned, consistent litter collection.				
	Limitations: There are no known limitations of the SWMP.				
	SWMP revisions implemented to address limitations: N/A				
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	N/A	N/A
	Flood control projects completed that did not include stormwater treatment	0	N/A	N/A	N/A
	Stormwater retrofit projects planned/under construction	0	N/A	N/A	N/A
	Stormwater retrofit projects completed	0	N/A	N/A	N/A
	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	N/A	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: N/A				
	Limitations: 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
	SWMP revisions implemented to address limitations: N/A				
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			
	None	N/A	N/A	N/A	N/A
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	N/A	N/A	No personnel apply pesticides
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	3	PHF Licenses	FDACS	ADM, Clark Aquatic Weed Control, Safe Home Pest Control
	PERSONNEL: Green Industry BMP Program training completed	0	2 Licenses	LCS	Damon, Kyle
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	Licenses	ADM	
	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.			
	Newspapers & newsletters: Number of articles/notices published	1	Newsletter	LCS	

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	1420	Newsletter	LCS	
	Public displays (e.g., kiosks, storyboards, posters, etc.)	3	N/A	LCS	Annual BBQ, Information Stands at Town Hall
	Number of visitors to stormwater-related pages	No pages	N/A	N/A	N/A
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The public outreach activities are conducted in a consistent manner. Additional educational posters have been added to the Town Hall lobby.				
	Limitations: There are no known limitations of the SWMP.				
	SWMP revisions implemented to address limitations: N/A				
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	Tracking Sheet	LCS	Whole Town Drainage Systems Waterways
	Illicit discharges found during a proactive inspection	0	Illicit Discharge Log	LCS	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Illicit Discharge Log	LCS	
	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	Illicit Discharge Log	LCS	N/A
	Reactive investigations of reports of suspected illicit discharges etc.	0	Illicit Discharge Log	LCS	N/A
	Illicit discharges etc. found during reactive investigation	0	Illicit Discharge Log	LCS	N/A
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Property File	LCS	N/A
	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	Sign-In Sheets	NPDES Group	Jay

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
	Contractors trained	0	N/A		
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	PBC	PBC	
	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	Sign-In Sheet	NPDES Group	Jay
	Contractors trained	0	N/A		
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	Public outreach and education are 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	0	N/A	N/A	N/A
	Public displays (e.g., kiosks, storyboards, posters, etc.)	3	N/A	LCS	Annual BBQ, Information Stands at Town Hall
	Number of visitors to stormwater-related pages	21	Google Analytics	LCS	N/A
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	Public outreach and education are 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.			
	Public displays (e.g., kiosks, storyboards, posters, etc.)	3	N/A	LCS	Annual BBQ, Information Stands at Town Hall
	Number of visitors to stormwater-related pages	21	Google Analytics	LCS	N/A
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				

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
	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			Homeowner Septic Tanks, some PBCWUD, LCS Gravity, 3LS & FM			
	Activity to reduce/eliminate SSOs and I&I: (description)			0	N/A	N/A	Gravity and LS are new systems Weekly Inspections
	Activity to reduce/eliminate SSOs and I&I: (description)			0	N/A	N/A	N/A
	SSO incidents discovered			0	N/A	N/A	N/A
	SSO incidents resolved			0	N/A	N/A	N/A
	Inflow / infiltration incidents discovered			0	0	0	0
	Inflow / infiltration incidents resolved			0	N/A	N/A	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: N/A						
	Limitations: N/A						
	SWMP Revisions implemented to address limitations: N/A						
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	N/A	N/A	N/A	N/A	None
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	N/A	N/A	N/A	N/A	N/A
	EPCRA Title III, Section 313 facilities (TRI)	0	N/A	N/A	N/A	N/A	N/A
	Facilities determined as high risk by the permittee	0	N/A	N/A	N/A	N/A	N/A
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		N/A		N/A	N/A	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.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				
	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	N/A	LCS	LCS Built Out
	PERMITTEE SITES: Construction site plans approved	0	N/A	LCS	LCS Built Out
	PRIVATE SITES: Construction site plans reviewed	0	N/A	LCS	LCS Built Out
	PRIVATE SITES: Construction site plans approved	0	N/A	LCS	LCS Built Out
	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	N/A	LCS	Codes & Ordinances 86- 862,88-88.20-C
	Confirmed ERP coverage	0	N/A	LCS	
	Notified of CGP stormwater permit requirements	0	N/A	LCS	Codes & Ordinances 86- 862,88-88.20-C
	Confirmed CGP coverage	0	N/A	LCS	
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	N/A	LCS	
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	N/A	LCS	
	PERMITTEE SITES: Percentage of active construction sites inspected	0	N/A	LCS	
	PRIVATE SITES: Active construction sites	0	N/A	LCS	
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	N/A	LCS	
	PRIVATE SITES: Percentage of active construction sites inspected	0	N/A	LCS	
	Enforcement Action	0	N/A	LCS	
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		

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
	Permittee construction site inspectors	1	1	Certificates	Hy-Byrd Inspections	
	Permittee construction site plan reviewers		0	N/A	N/A	
	Permittee construction site operators		0	N/A	N/A	
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: Training has been obtained on a consistent basis					
	Limitations: There are no known limitations of the SWMP.					

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.
		N/A
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)
		N/A

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
				<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				
			(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): No discharge to a TMDL WBID at the time of permit issuance.								

TOWN OF LAKE CLARKE SHORES

MS4 Permit No. FLS000018-004

Water Quality Assessment Report FY18-19

The Town of Lake Clarke Shores MS4 is almost all single family residential with some Town facilities. There is commercial along Forest Hill Boulevard, however these facilities are private and drain into the Palm Beach County system. As the Town was developed over 50 years ago, the drainage system is comprised of many drainage outfalls into the LWDD canals that run through the Town or into Lake Clarke both of which discharge to the SFWMD C-51 Canal that borders the Town on the east. Of these Town outfalls only 4 are NPDES outfalls. As the LWDD, private, and Town systems interconnect through Lake Clarke and the LWDD canals; any water quality monitoring would have to be at the storm drain outfalls during a storm event. As these MS4 discharges are serving single family residential and Town facilities, low pollutant loading rates are typical. Due to the aforementioned facts, the Town of Lake Clarke Shores is relying on the group data and report.

Water Quality Monitoring

There are several LWDD canals that flow through Lake Clarke Shores. Lake Clark is a "Water of the State" just to the west of SFWMD's major outfall (S-155) from the C-51 Basin. C-51 discharges to the central section of the LWL and flow can be either to the north to the Palm Beach Inlet or south to Boynton Inlet, although Boynton inlet is closer. The upstream station is in the C-51 Canal at SR7 and is 37B. There are numerous downstream stations, the closest being 18C.

A map of the PBC monitoring locations is attached for reference. Also attached are the results of the monitoring in graphs for TN, TP, and Chlorophyll-a for both locations upstream (37B) and downstream 18C.

The upstream TN at 37B is trending down at a rate of about 29 ppb/yr and the downstream TN is also trending down at 18C at a rate of about 40 ppb/yr. The net TN trend is not only downward but the downward rate through Lake Clarke Shores indicates the TN is diminishing.

The upstream TP at 37B is trending up and the downstream TP is trending down at 18C. The net TP trend is not only going up at 37B but is going down at 18C which indicates much better TP through Lake Clarke Shores.

The upstream Chlorophyll-a at 37B is trending down and the downstream Chlorophyll-a is trending up at 18C. It appears the upward trend in Chlorophyll-a is being caused by other factors than those represented in the aforementioned nutrient data from these sampling points.

Pollutant Loading Estimate

The Town of Lake Clarke Shores 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. The results as listed below include a 6% reduction for public education as allowed by FDEP.

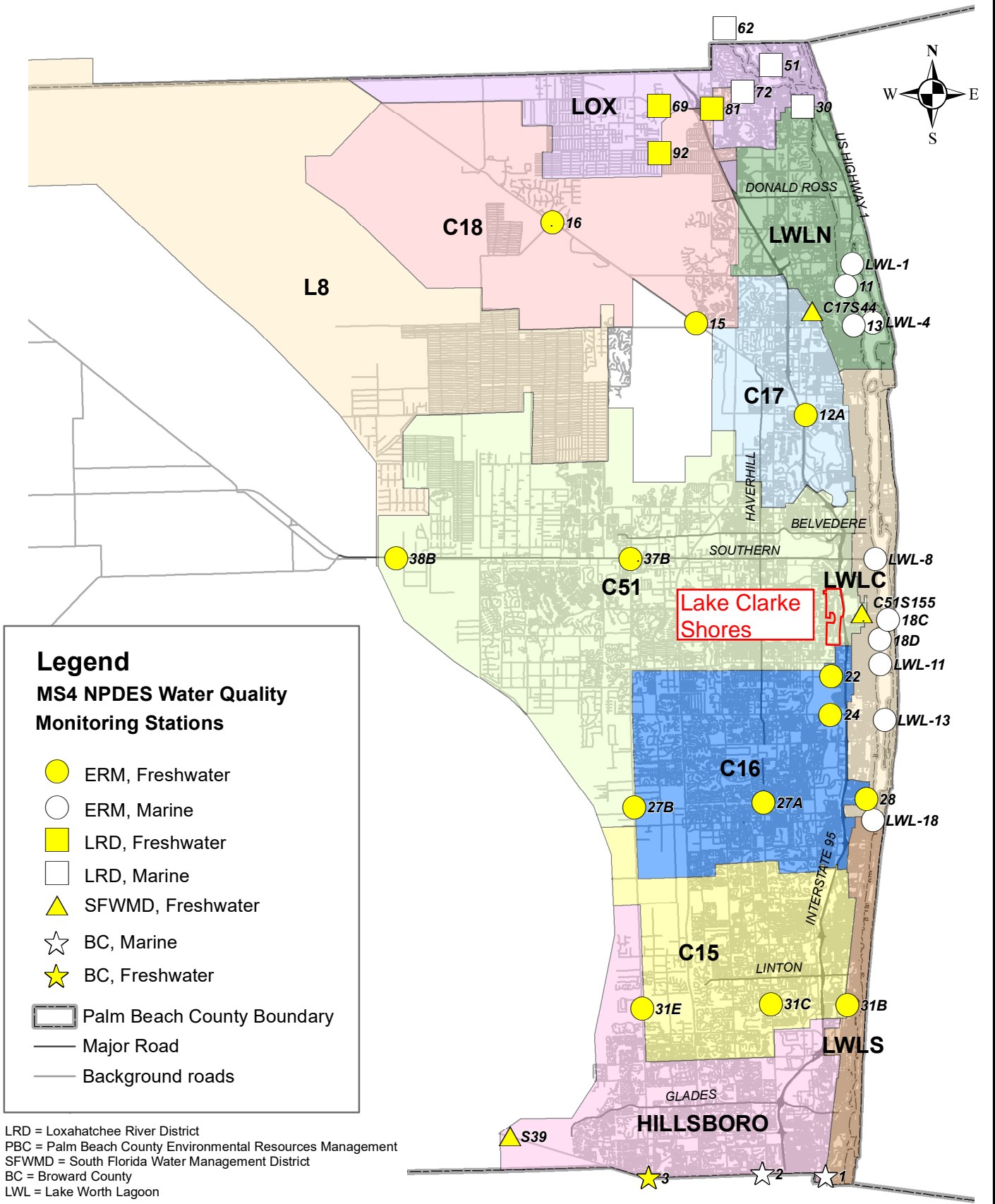
	BOD ₅ ~lbs	TSS ~lbs	TP ~lbs	Cu ~lbs	Zn ~lbs	TN ~lbs
2013	17,783	80,127	1,240	46	184	25,882
2018	16,720	75,352	1,165	44	173	24,261

The pollutant loading estimates indicate lower pollutant loadings over past two permit cycles. A majority of the pollutant loadings appears to be from non-MS4 sources (see group report). 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

Both of the above analyses indicate reductions in nutrients. The exception is the indicator Chlorophyll-a. Chlorophyll-a is trending opposite of TN and TP indicating the Chlorophyll-a increase is being caused by other factors than those represented in the aforementioned nutrient data.

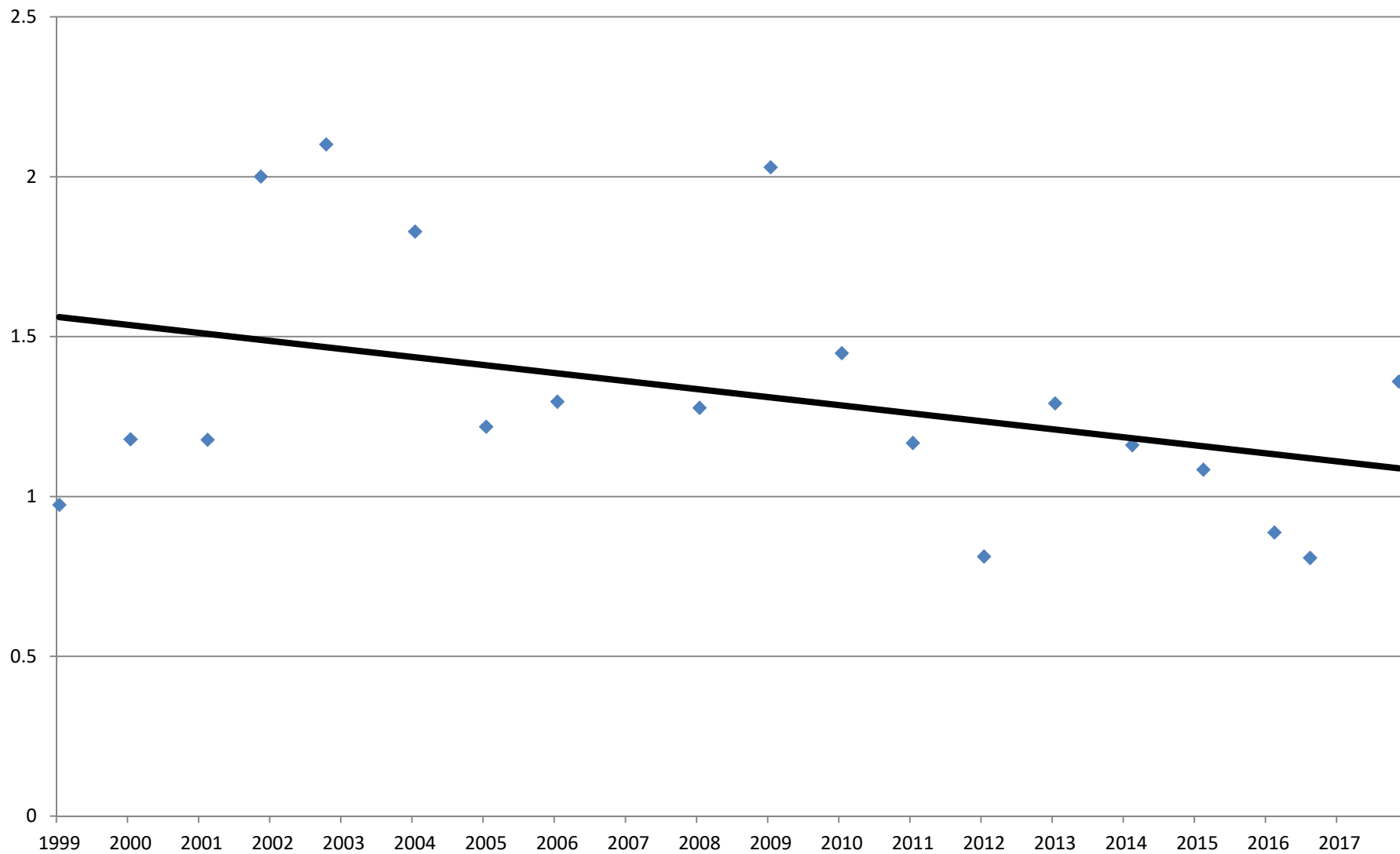
As a result of the above Lake Clarkes Shores is considered to have an effective stormwater management program. Lake Clarke Shores is therefore not targeting any areas for loading reduction/corrective action.



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

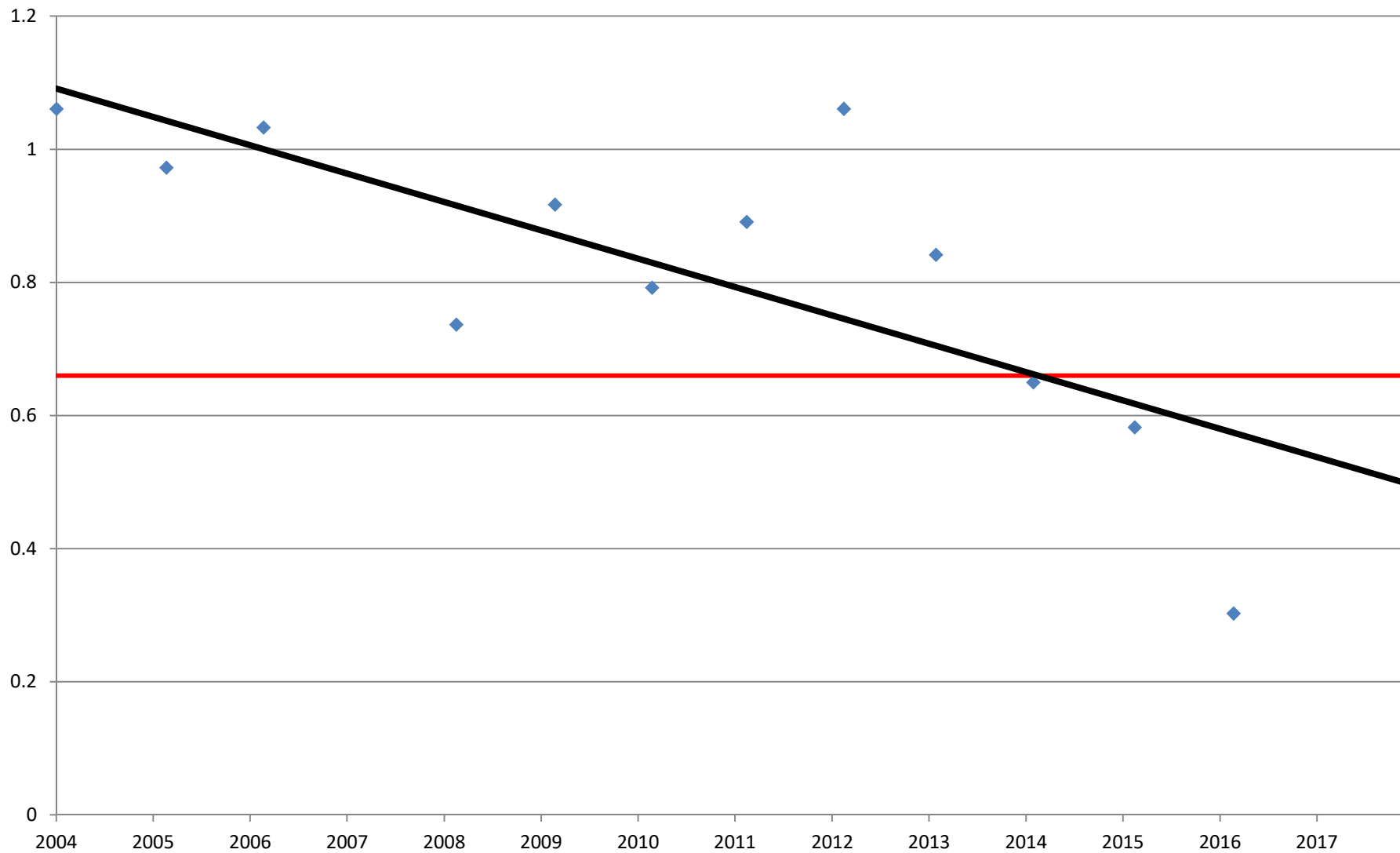
37B Nitrogen, Total (Annual Geometric Mean)

◆ TN — TN Trendline



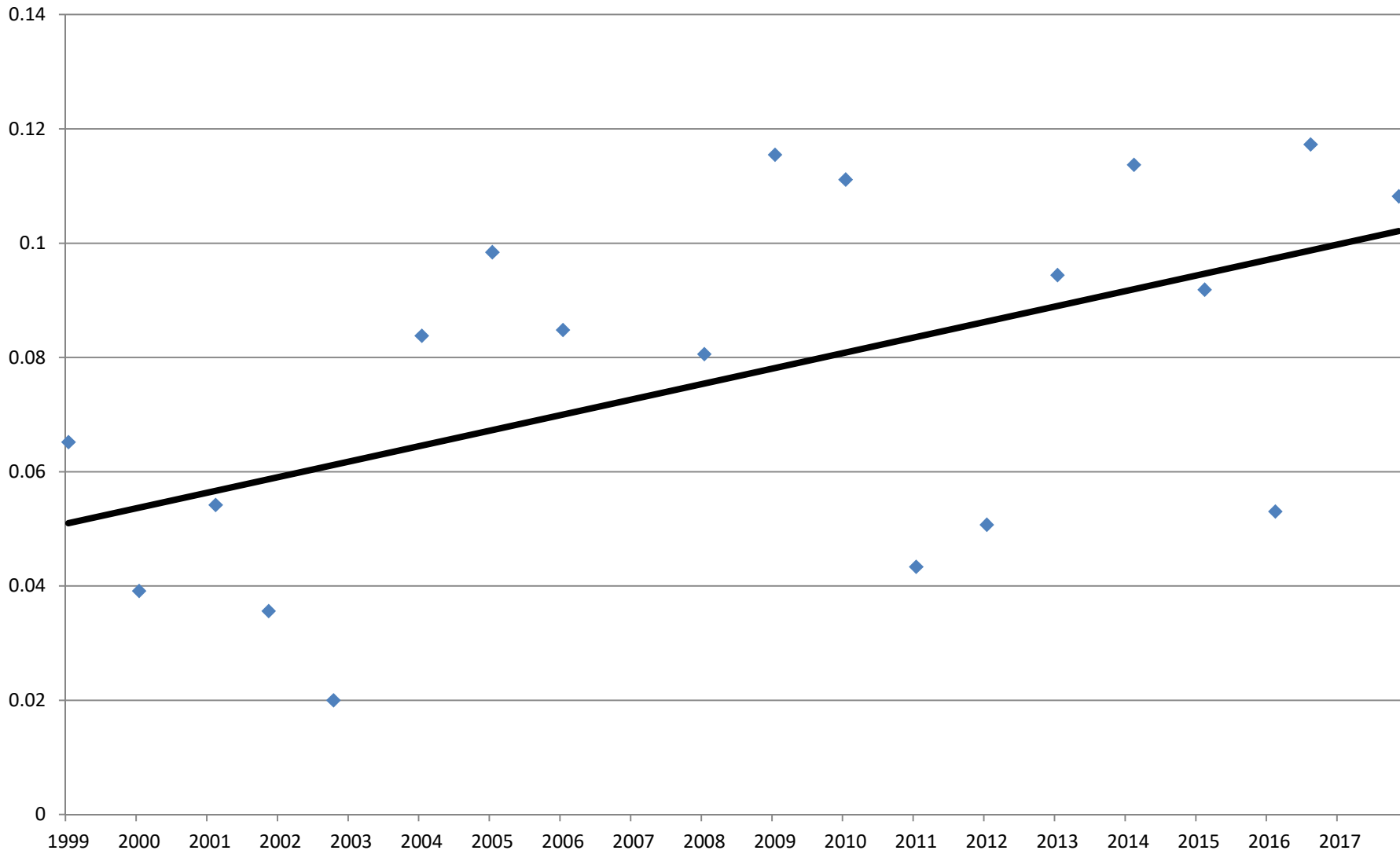
18C Nitrogen, Total (Annual Geometric Mean)

◆ TN — Excedance > 0.66 — TN Trendline



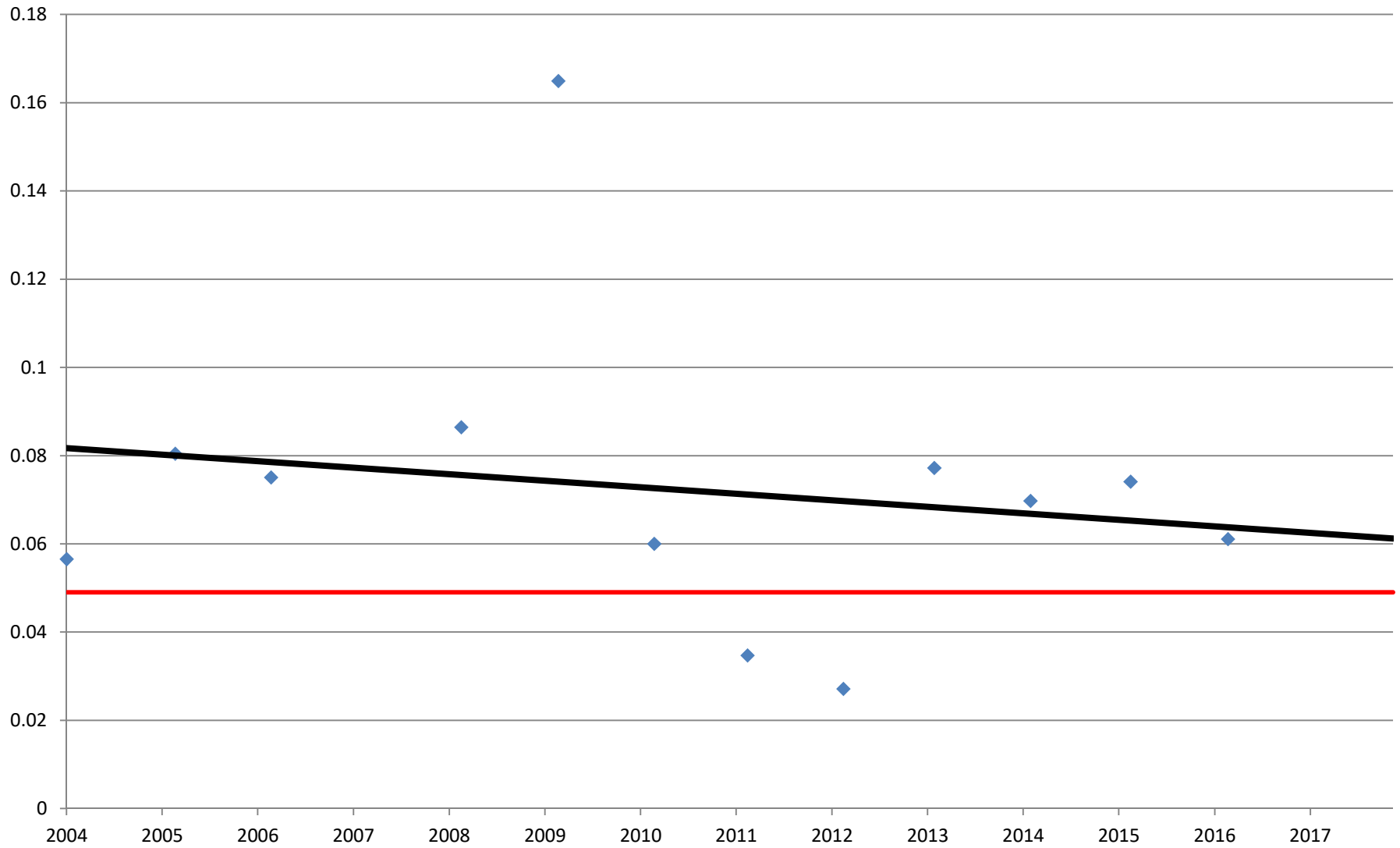
37B Phosphorus, Total (Annual Geometric Mean)

◆ TP — TP Trendline



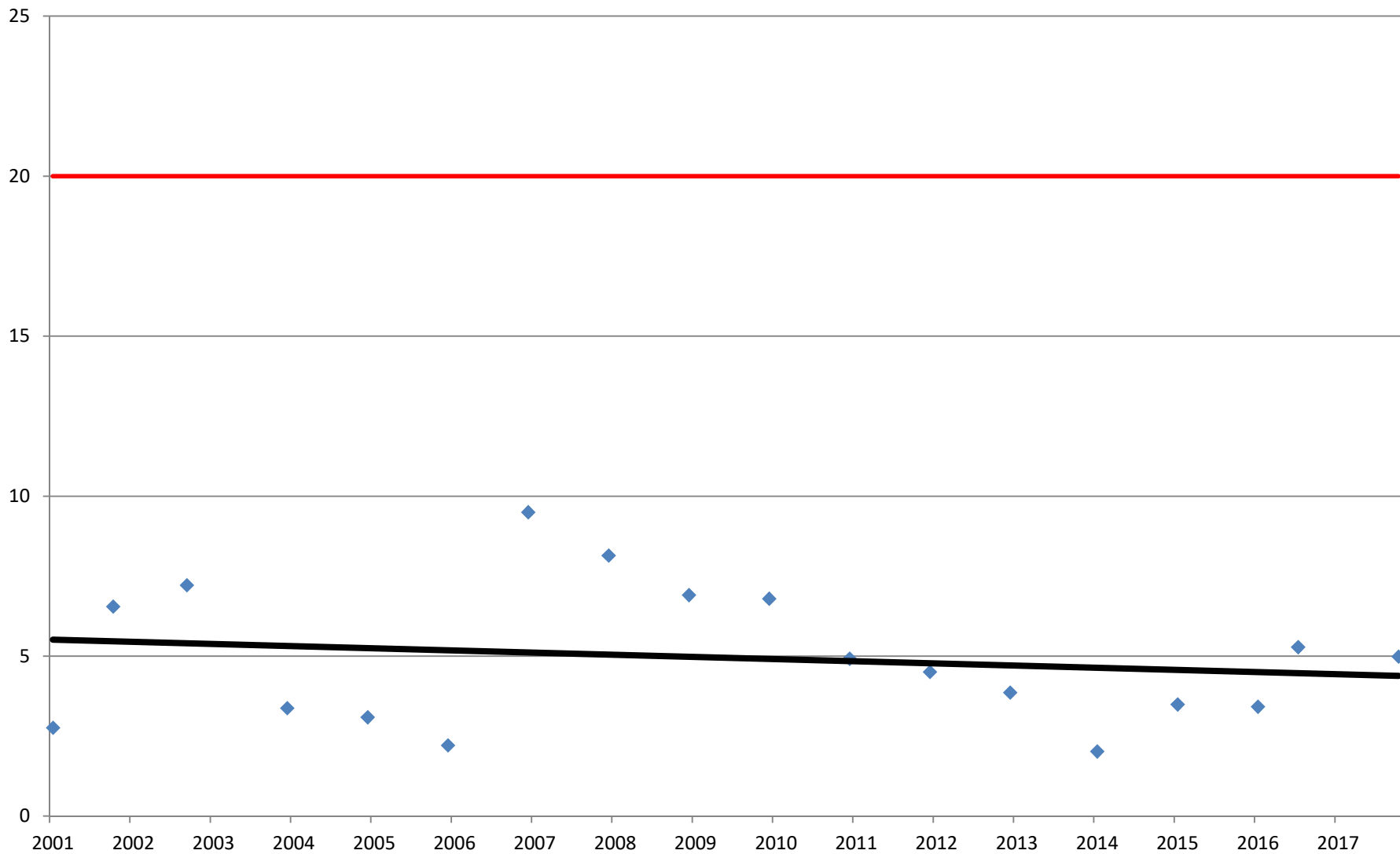
18C Phosphorus, Total (Annual Geometric Mean)

◆ TP — Excedance > 0.049 — TP Trendline



37B Chlorophyll-a (corrected) (Annual Geometric Mean)

◆ Chlor-a — Excedance > 20 — Chlor-a Trendline



18C Chlorophyll-a (corrected) (Annual Geometric Mean)

◆ Chlor-a — Excedance > 10 — Chlor-a Trendline

