



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: City of Atlantis		
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: Brian Moree		
	Title: City Manager		
	Mailing Address: 260 Orange Tree Drive		
	City: Atlantis	Zip Code: 33462-1193	County: Palm Beach
	Telephone Number: 561-965-1744		Fax Number: 561-642-1806
E-mail Address: bmoree@atlantisfl.gov			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Steve Mazuk		
	Title: Utilities/Public Works Director		
	Department: Utilities/Public Works		
	Mailing Address: 260 Orange Tree Drive		
	City: Atlantis	Zip Code: 33462-1193	County: Palm Beach
	Telephone Number: 561-965-1744		Fax Number: 561-642-1806
E-mail Address: smazuk@atlantisfl.gov			

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). Status: The monitoring program is carried out jointly by the PBC permittees. The City of Atlantis is relying on the Group water quality data at 22 (upstream) and 24 (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 Group 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 Group Annual Assessment Report.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$
C.	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p><input checked="" type="checkbox"/></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): Brian Moree

Title: City Manager

Signature: _____ Date: / /

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>								
	<p style="text-align: center;">Type of Structure</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Structures</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Inspections</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Percent Inspected</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Maintenance Activities</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Percent Maintained</p>			
Dry retention systems							2	98	100
Exfiltration trench / French drains (lf)	236	6	100	0	N/A	Tracking Sheet	Atlantis	Not Needed D1a-c	
Grass treatment swales (miles)	26	2	100	100	100	Tracking Sheet	Atlantis	13mi *2*1 F1	
Dry detention systems	1	131	100	52	100	Tracking Sheet	Atlantis	Pine Tree Court B1-all	
Wet detention systems	1	120	100	52	100	Tracking Sheet	Atlantis	Lake Atlantis Mowing C1-all	
Major outfalls	1	2	100	0	0	Tracking Sheet	Atlantis	Pine Tree E1a	
Weirs or other control structures pipes / culverts (miles)	1	3	100	1	0	Tracking Sheet	Atlantis	Pine Tree E1a	
	7.6	3	0	2	<1	Tracking Sheet, Log Book, emails	Atlantis	Completed Inspection Cycle 100% Muirfield Cr. – roots pending. Rio Vista. Villa Dr.	
	Inlets / catch basins / grates	418	65,208	100	2	<1	Tracking Sheet	Atlantis	Alpine Dr Str
	<p>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.</p>					<input type="checkbox"/>		<p>Minimum requirements met.</p>	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
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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: The SWMP is effective.					
	Limitations: There are no known limitations of the SWMP.					
	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		208	Tracking Sheet	Atlantis	IF2,IIA2
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)		90 bags	Sheet Map	Atlantis	13mi 2 lane roads
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)		N/A	Utility Log Book	Atlantis	55 gal bag
	CONTRACTOR Litter Control: Frequency of litter collection		N/A	N/A	N/A	By Atlantis
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)		N/A	N/A	N/A	By Atlantis
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)		N/A	N/A	N/A	By Atlantis
	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		N/A	N/A	N/A	Not Needed
	Trash Pick-up Events: Estimated amount of litter collected (cy)		N/A	N/A	N/A	Not Needed
	Adopt-A-Road: Total miles cleaned		0	N/A	N/A	Not Needed
Adopt-A-Road: Estimated amount of litter collected (cy)		N/A	N/A	N/A	Not Needed	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	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	
	Total miles swept	0	N/A	N/A	
	Estimated quantity of sweeping material collected (cy / tons)	0	N/A	N/A	
	Total phosphorous loadings removed (pounds)	0	N/A	N/A	
	Total nitrogen loadings removed (pounds)	0	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				
		0	N/A	N/A	N/A
		0	N/A	N/A	N/A
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The SWMP is effective.				
	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"/>			
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				
	SWMP revisions implemented to address limitations: N/A				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
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				
	None	N/A	N/A	N/A	N/A
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.5 Summary	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	
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	1	Contract	Advanced Aquatics	
	PERSONNEL: Green Industry BMP Program training completed	0	N/A	N/A	
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	Contract	Shelhamer, Inc.	
	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"/>			
	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	The City News	Atlantis	June
	Newsletters: Number of newsletters distributed	1,200	The City News	Atlantis	June (100% Population)

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.6 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.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"/>			
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	260	Tracking Sheet	Atlantis	IIA3
	Illicit discharges found during a proactive inspection	0	SOP Form	Atlantis	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	N/A	Atlantis	
	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	SOP Form	Atlantis	
	Reactive investigations of reports of suspected illicit discharges etc.	0	SOP Form	Atlantis	
	Illicit discharges etc. found during reactive investigation	0	SOP Form	Atlantis	
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	N/A	Atlantis	
	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
	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				
	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				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	materials distributed, and the number of Web site visits (if applicable).				
	Newspapers & newsletters: Number of articles/notices published	1	The City News	Atlantis	June
	Newsletters: Number of newsletters distributed	1,200	The City News	Atlantis	June (100% Population)
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).				
	Newspapers & newsletters: Number of articles/notices published	1	The City News	Atlantis	June
	Newsletters: Number of newsletters distributed	1,200	The City News	Atlantis	June (100% Population)
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	City of Atlantis			
	Activity to reduce/eliminate SSOs and I&I: (description)	0	N/A	Atlantis	
	Activity to reduce/eliminate SSOs and I&I: (description)	N/A	N/A	N/A	
	SSO incidents discovered	0	Utility Log Book		
	SSO incidents resolved	0	Utility Log Book		
	Inflow / infiltration incidents discovered	2	Utility Log Book	Atlantis	Murfield, NCC. Looking at Forest View
	Inflow / infiltration incidents resolved	2	Utility Log Book	Atlantis	Murfield, NCC.
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: Regular inspections and timely resolution.				
	Limitations: There are no known limitations of the SWMP.				
	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.				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity			Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions				
	Operating municipal landfills	0	N/A	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	N/A
	EPCRA Title III, Section 313 facilities (TRI)	0	N/A	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	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	N/A
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			
	PERMITTEE SITES: Construction site plans approved	0			N/A			
	PRIVATE SITES: Construction site plans reviewed	0			N/A			
	PRIVATE SITES: Construction site plans approved	0			N/A			
	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	N/A		
	Confirmed ERP coverage	0			N/A	N/A		
	Notified of CGP stormwater permit requirements	0			N/A	N/A		
	Confirmed CGP coverage	0			N/A	N/A		
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	N/A		
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction	0			N/A	N/A		

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	sites for E&S and waste control BMPs				
	PERMITEE SITES: Percentage of active construction sites inspected	0	N/A	N/A	
	PRIVATE SITES: Active construction sites	1	Reports	HyByrd	JFK
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	53	Reports/Logs	SJE HyByrd – min. 1x week	JFK
	PRIVATE SITES: Percentage of active construction sites inspected	100	Reports	HyByrd	JFK
	Enforcement Action	1	Photos	SJE	Turbidity Barrier
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	Other / Sign In Sheet	HyByrd Inspections, Jay
	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: Regular training.				
	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
	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): No discharge to a TMDL WBID at the time of permit issuance.								

CITY OF ATLANTIS
MS4 Permit No. FLS000018-004
Water Quality Assessment Report FY18-19

The City of Atlantis MS4 is almost all single family residential with but includes a major regional hospital (John F Kennedy) and surrounding medical offices. There are also 2 golf courses (18 and 27 holes) that total 330 acres (does not include the major Lakes) of land or about 37% of the City's area. In addition, there are some minor commercial uses. There are 8 NPDES outfalls, however only 3 of these are the City's. The City's main outfall from its lakes is operated by the public golf course. The 3 City NPDES outfalls discharge stormwater from single family residential areas. The other outfalls are private, but some of these accept City stormwater and some of the private systems flow into the City system and then are discharged through the private systems. There are also private systems that discharge directly to LWDD. As separating out the City contributions to the interconnected stormwater management systems is impractical, the City of Atlantis will rely on the Group Report and data.

Water Quality Monitoring

The City of Atlantis is relying on the Palm Beach County NPDES Group water quality monitoring Report. The group has 4 water quality sampling locations that are applicable; 2 upstream and 2 downstream of Atlantis. The upstream locations are identified as 22 and 27A and the downstream locations are 24 and 28 in the group annual report.

A map of the PBC monitoring locations is attached for reference. Sites 22 (upstream) and 24 (downstream) are the closest sampling points to Atlantis. Sites 27A and 28 could be used if sites 22 and 24 were not available or inconclusive. As sites 22 and 24 are the most representative, the results of these are included herein. Attached are the results of the monitoring in graphs for TN, TP, and Chlorophyll-a for both locations upstream (22) and downstream 24.

The upstream TN at 22 is trending down at a rate of a about 24 ppb/yr and the downstream TN is also trending down at 24 at a rate of about 16 ppb/yr. The net TN trend is downward but the downward trend is not as high at the downstream location (24). Both 22 and 24 indicate the TN is diminishing and the rate of decline may or may not be significantly different. Continued observation is appropriate. The net result, however, is TN is going down.

The upstream TP at 22 is trending down and the downstream TP is also trending down at 24. Again, the rate of decline is higher at 22 (upstream at about 1.3 ppb/yr) versus 0.4 ppb/yr at 24 (downstream). Both 22 and 24 indicate the TP is diminishing and the rate of decline may or may not be significantly different. Continued observation is appropriate. The net result, however, is TP is going down.

The upstream Chlorophyll-a at 22 is trending upward and the downstream at 24 Chlorophyll-a is also trending up at 24C. The upward trend at 22 is about 0.57 ppb/yr, while the upward trend at 24 is about 0.14 ppb/yr. Therefore the upward trend at the downstream location indicates a less of an increase. 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 City of Atlantis 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.

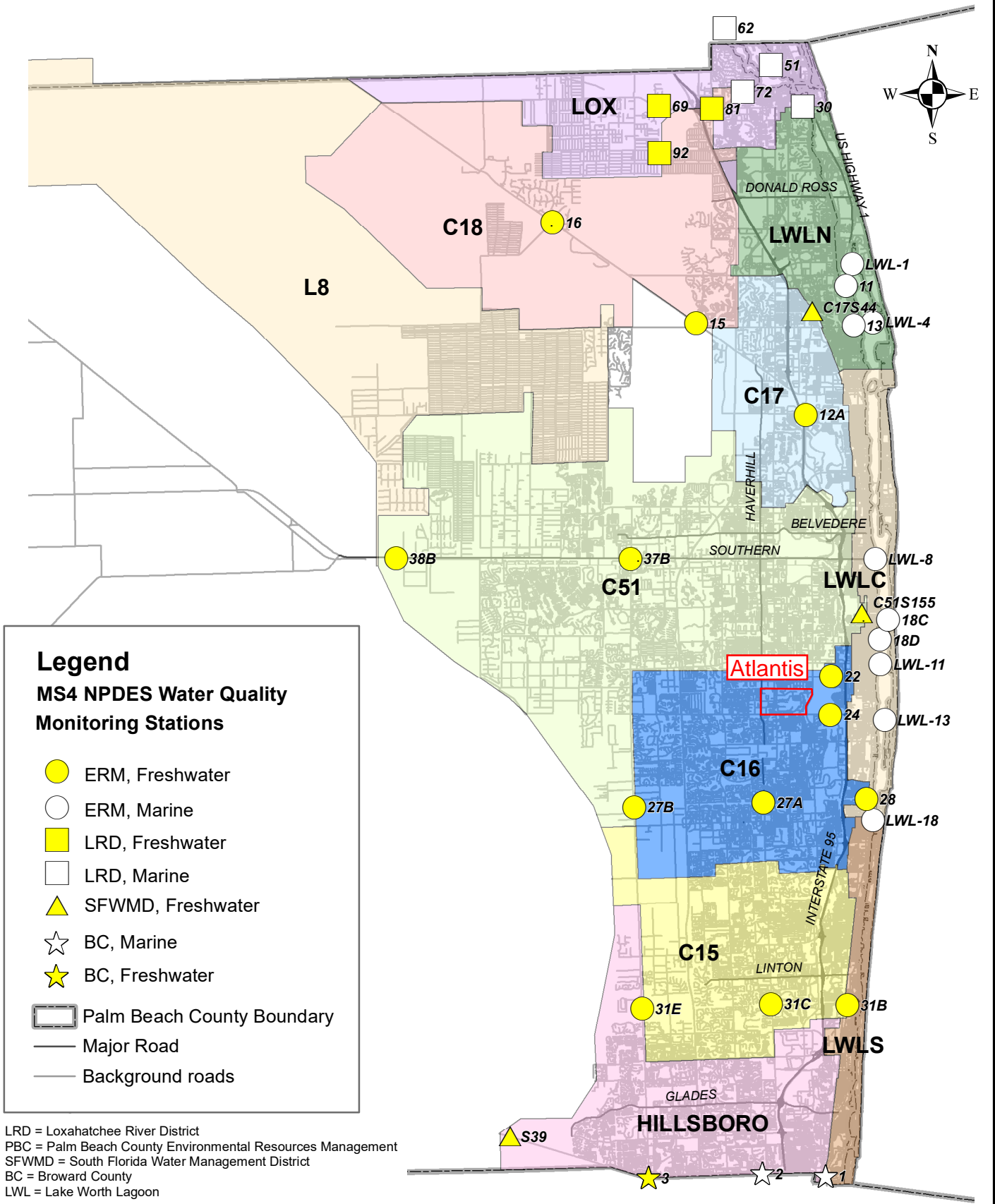
	BOD ₅ ~lbs	TSS ~lbs	TP ~lbs	Cu ~lbs	Zn ~lbs	TN ~lbs
2013	12,679	31,056	465	28	127	4,217
2018	11,781	28,674	435	25	118	3,938

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. It is noted the rate of decline for nutrients is higher at the upstream sampling locations. As all stations are indicating a decline in nutrients continued tracking of trends may help in identifying why. As Chlorophyll-a is trending the opposite of nutrients, continued observations of trends may help in explaining such trends.

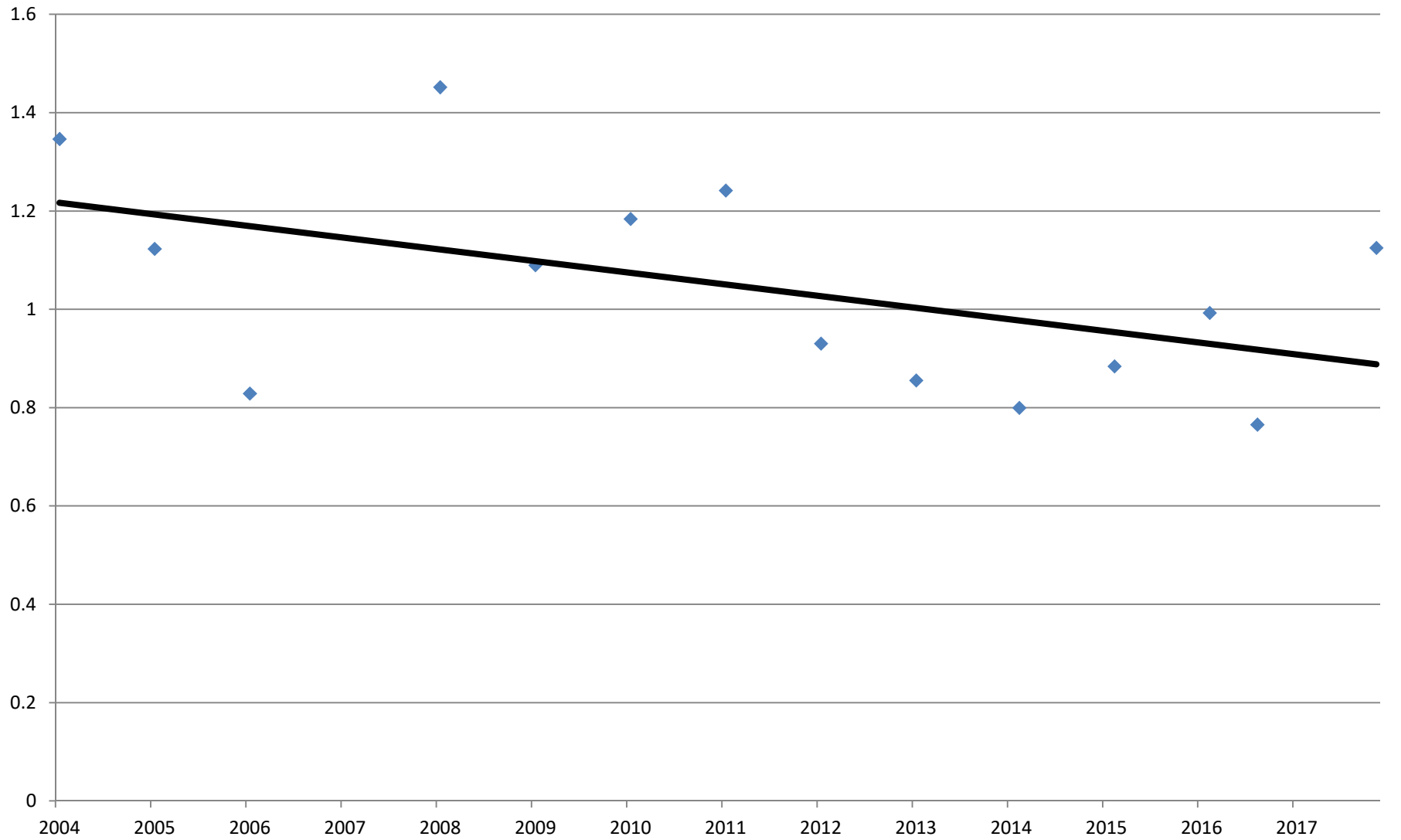
As a result of the above the City of Atlantis is considered to have an effective stormwater management program. The City of Atlantis is therefore not targeting any areas for loading reduction/corrective action.



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

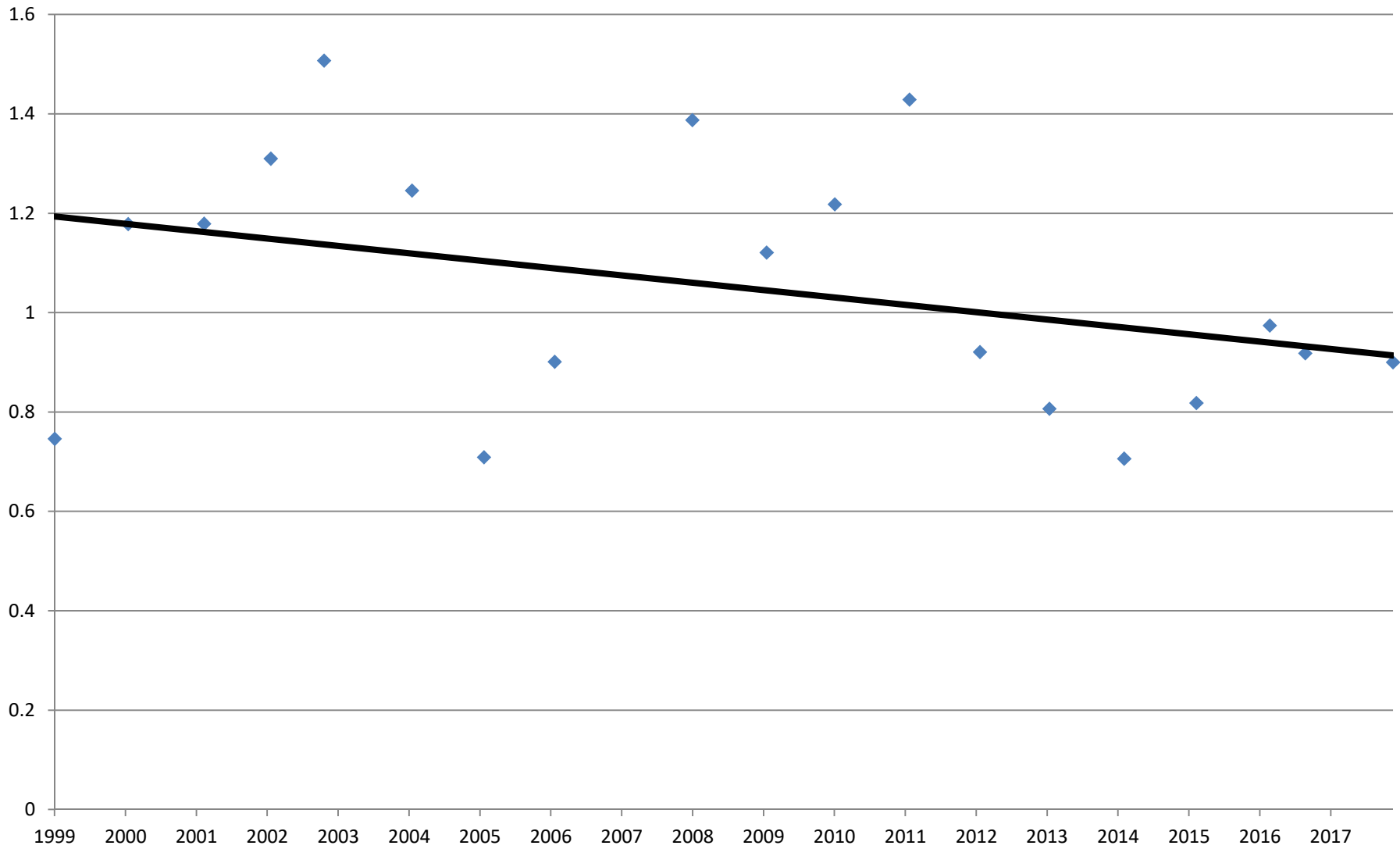
22 Nitrogen, Total (Annual Geometric Mean)

◆ TN — TN Trendline



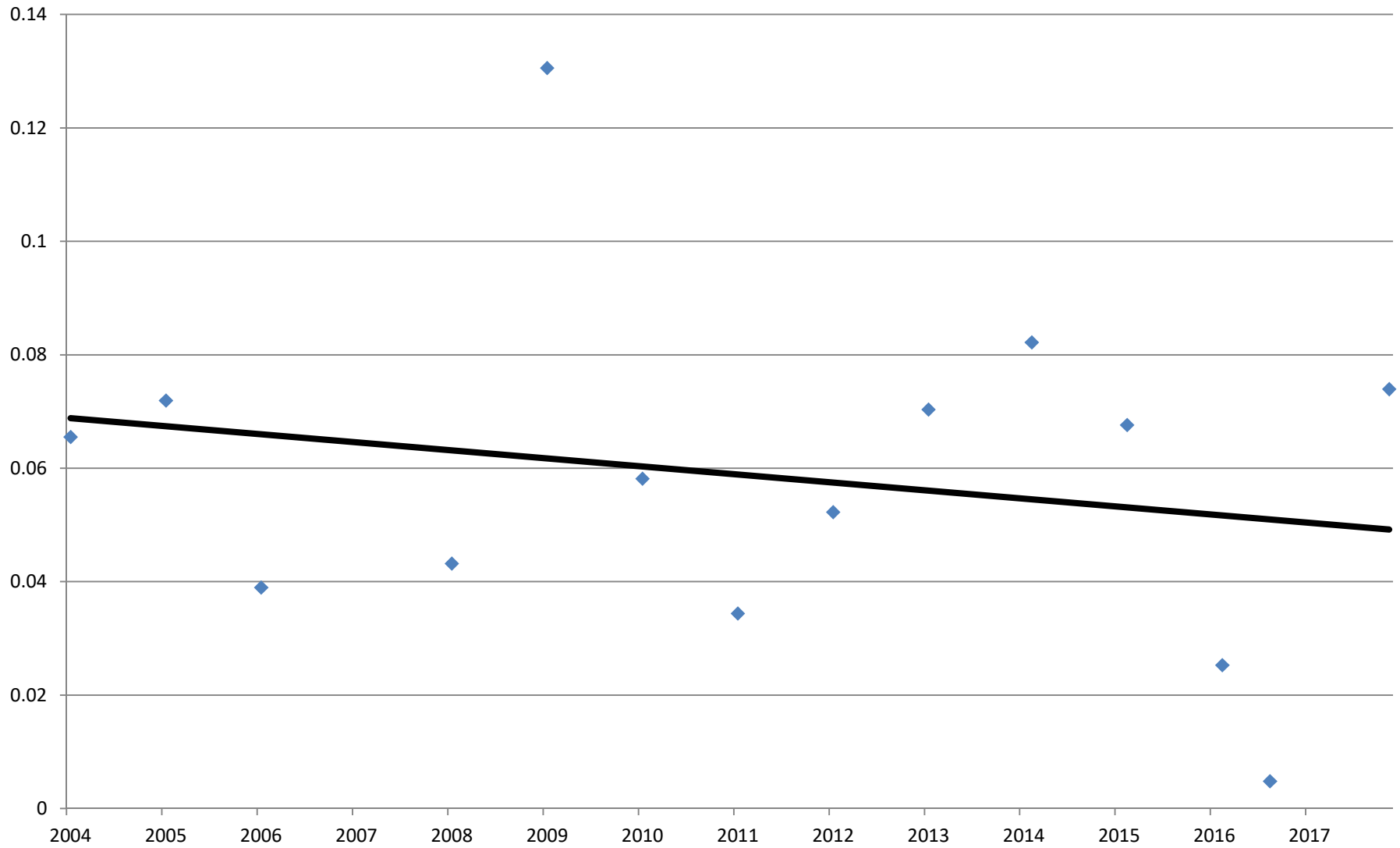
24 Nitrogen, Total (Annual Geometric Mean)

◆ TN — TN Trendline



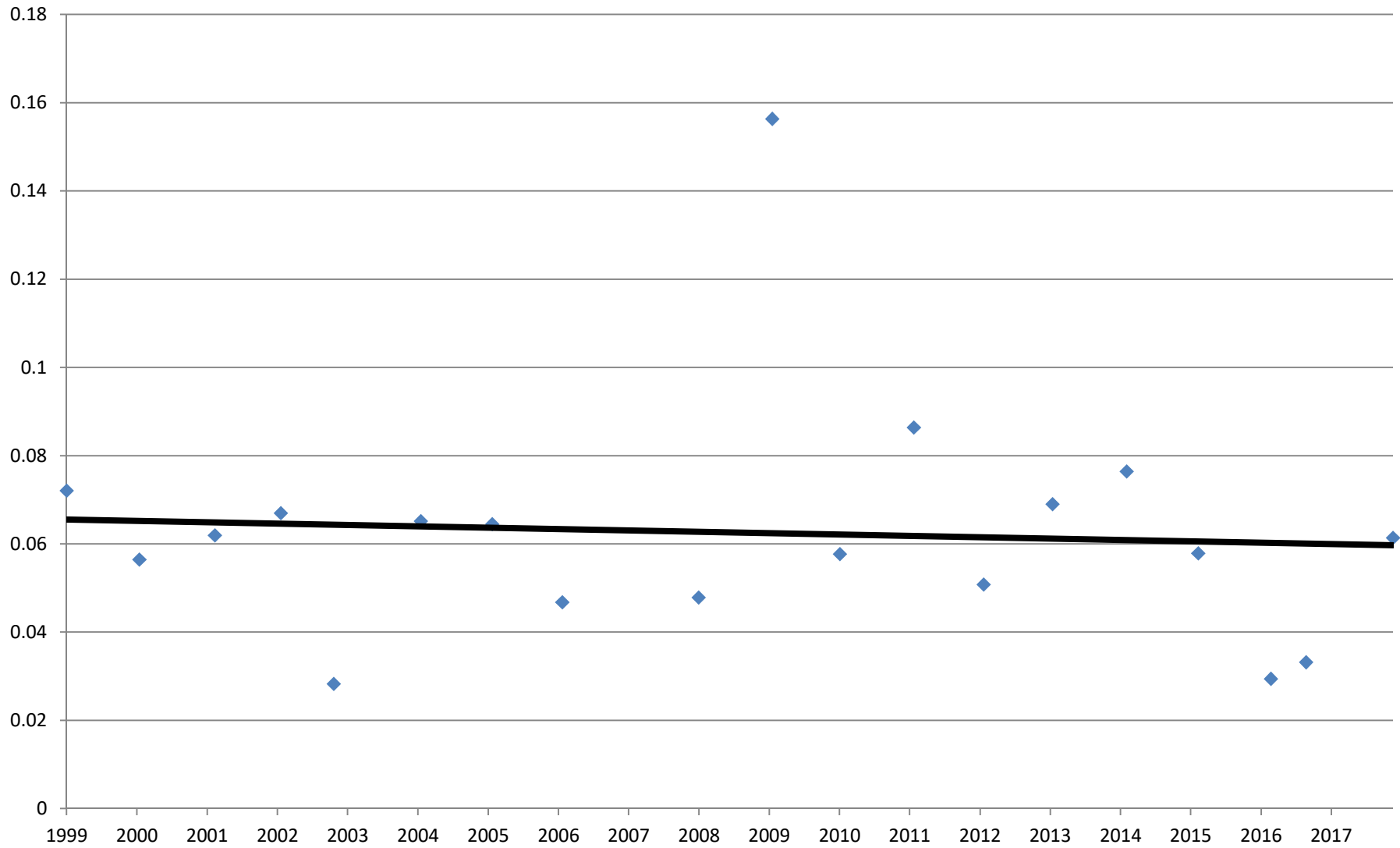
22 Phosphorus, Total (Annual Geometric Mean)

◆ TP — TP Trendline



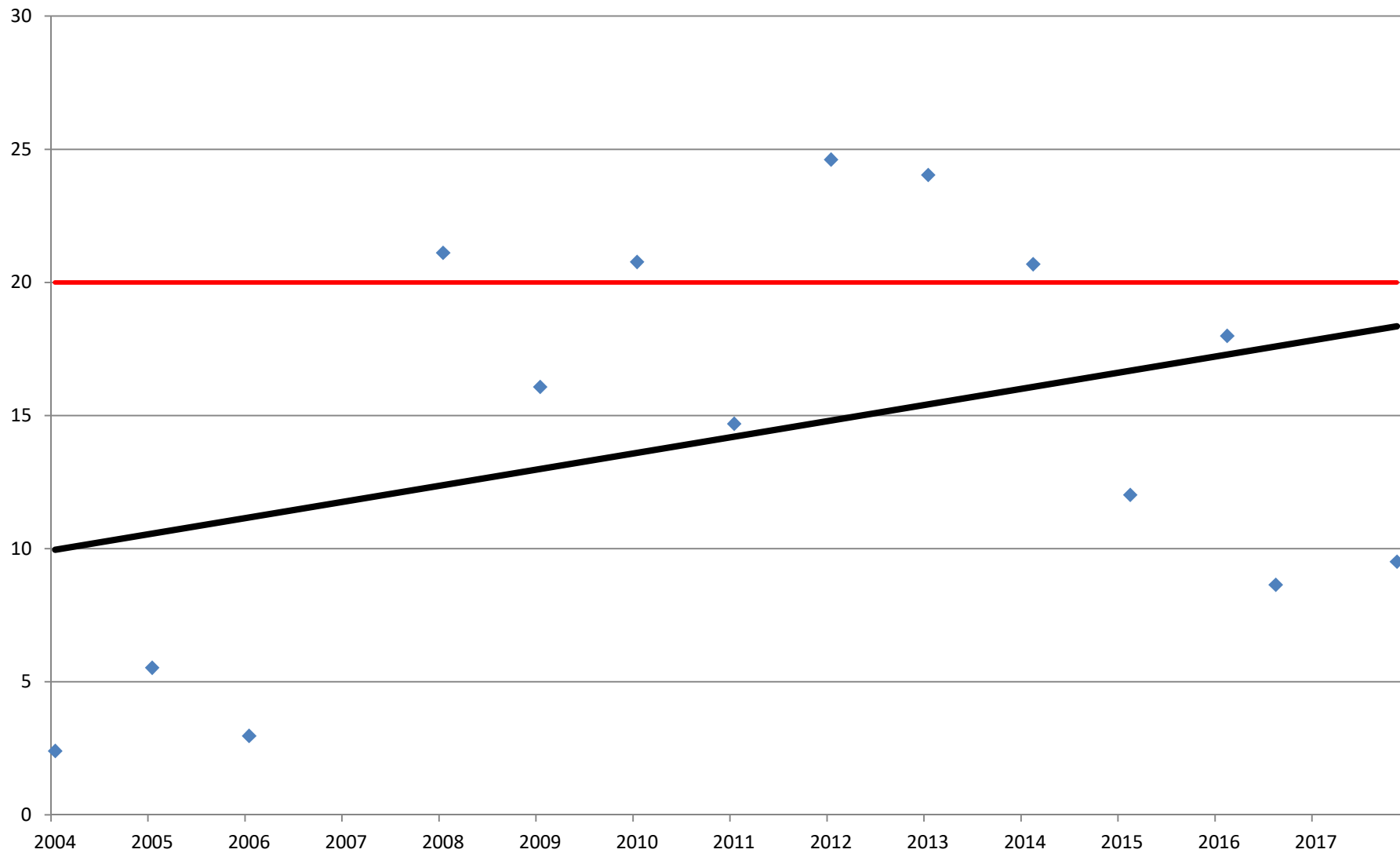
24 Phosphorus, Total (Annual Geometric Mean)

◆ TP — TP Trendline



22 Chlorophyll-a (corrected) (Annual Geometric Mean)

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



24 Chlorophyll-a (corrected) (Annual Geometric Mean)

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

