



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: Indian Trail Improvement District		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018		
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: Burgess Hanson		
	Title: Executive Director		
	Mailing Address: 13476 61st Street N		
	City: West Palm Beach	Zip Code: 33411	County: Palm Beach
	Telephone Number: 561-793-0874		Fax Number: 561-793-9830
E-mail Address: bhanson@indiantrail.com			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Greg Shafer		
	Title: Director of Stormwater		
	Department: Stormwater		
	Mailing Address: 13476 61st Street N		
	City: West Palm Beach	Zip Code: 33411	County: Palm Beach
Telephone Number: 561-793-0874		Fax Number: 561-793-9830	
E-mail Address: gshafer@indiantrail.com			

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. See the PBC Joint Annual Report. Indian Trail Improvement District is relying on the Group water quality data at 38B (upstream) and 37B (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 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 PBC Group Annual Assessment Report.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$609,813
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$708,500
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>

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 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 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): Burgess Hanson

Title: Executive Director

Signature:  Date: 2 / 22 / 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									
	<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				
	Grass treatment swales (miles)	812	4071	100	4,071	100	Zone Maps & Logs	ITID		
	Wet detention systems	2	202	100	26	100	Tracking Sheet	District Engineer Stormwater Director	M1A.abcdegijk + M2A.abcdegijk	
	Pump Stations	4	576	100	390	100	Tracking Sheet & Log	ITID	Sheet 3	
	Major outfalls	21	389	100	0	100*	Tracking Sheet & District Engineer	ITID	Shts4&5 *No cleaning required upon inspection	
	Weirs or other control structures	21	457	100	54	100	Tracking Sheet, DE, & Log	ITID	Shts4&5	
	Canals	159.4 miles	1,241	100	1,241	100	NPDES Report	ITID	Easements 1,241 Aquatics 1001 Ac Sprayed	
	Inlets / catch basins / grates	444 (278 + 21+145)	136	31	136	31	CB & Daily Log	ITID	Bay Hill & MG	
	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"/>				Minimum frequencies met

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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				
	Continue to employ ITID, NPDCID, SIRWCD Drainage Permit requirements for developments occurring within the ITID, NPDCID, SIRWCD boundaries to ensure that appropriate stormwater treatment and permitting occurs prior to discharge into the ITID, NPDCID, SIRWCD systems. Refer connecting entities failing to meet the ITID, NPDCID, SIRWCD permit requirements or maintain the discharge of acceptable water quality, after sufficient warning by ITID, NPDCID, SIRWCD, to DEP and / or Palm Beach County; or the SFWMD to regulate the stormwater quality through local or State rules, ordinances, and codes. Report the number of enforcement referrals completed.				
		Number of enforcement referrals completed	0		298 District
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	190	NPDES	ITID	Work Days
	PERMITTEE Litter Control: Estimated amount of area maintained (swale miles)	3,131	NPDES Report	ITID	5x paved 1x unpaved
	PERMITTEE Litter Control: Estimated amount of litter collected (bags)	27	Daily Logs	ITID	40 Gal, Note prev. year reported in CY
	CONTRACTOR Litter Control: Frequency of litter collection	0	N/A	None	
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	0	N/A	None	
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0	N/A	None	
	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	N/A	None	N/A
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	N/A	None	N/A
	Adopt-A-Road: Total miles cleaned	0	N/A	None	N/A
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	N/A	None	N/A
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.				

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
	Name of Facility	Number of Inspections			
	PS#1	260	Daily Logs	ITID	2x week
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.3 Summary	Strengths: The SWMP is effective.				
	Limitations: There are no known limitations to 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	None	
	Flood control projects completed that did <u>not</u> include stormwater treatment	N/A	N/A	None	
	Stormwater retrofit projects planned/under construction	0	N/A	None	
	Stormwater retrofit projects completed	N/A	N/A	None	
	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
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.3 of the permit.				
Part III.A.4 Summary	Strengths: N/A				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: N/A				

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.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			
	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	None	None
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	0	N/A	None	None
	PERSONNEL: Green Industry BMP Program training completed	0	N/A	None	None
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	0	N/A	None	None
	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.			
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.				

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
	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	389	CS Inspection Form	ITID	Tracking Sheets 4 & 5
	Illicit discharges found during a proactive inspection	0	N/A	ITID	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0(N/A)	N/A	ITID	
	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	Field Report	ITID	
	Reactive investigations of reports of suspected illicit discharges etc.	0	Field Report	ITID	
	Illicit discharges etc. found during reactive investigation	0	Field Report	ITID	
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0 (N/A)	N/A	N/A	298 District
	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	20	NPDES Sign In Sheets, ITID	ITID	Greg, Jay + 18 @ HazMat
	Contractors trained	0	N/A	None	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	N/A	NPDES Group	
	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	20	NPDES Sign In Sheets, ITID	ITID	Greg, Jay + 18 @ HazMat
	Contractors trained	0	N/A	None	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	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.			

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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.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.			
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage						
	Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in ITID, NPDCID, SIRWCD's MS4. Report the number of violations referred to the appropriate utility owner and the name of the utility owner.						
	Owner of the sanitary sewer system			PBCWUD			
	Number of violations referred			1	N/A	N/A	40 th FM Break
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	N/A	N/A	N/A	CERWS Website	ITID	
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	N/A	N/A	N/A	N/A	None	
	EPCRA Title III, Section 313 facilities (TRI)	N/A	N/A	N/A	N/A	None	
	Facilities determined as high risk by the permittee	N/A	N/A	N/A	N/A	None	
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries						
	Report the number of high risk facilities sampled.						

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	High risk facilities sampled	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				
	Employ ITID, NPDCID, SIRWCD Drainage Permit conditions that include the use of stormwater, erosion, and sedimentation control BMPs during construction to reduce pollutants to the MS4 and receiving waters.				
	Number of drainage permits approved	3	SPs-0365, 0358, 0347	ITID	SFWMD WQ
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	None	298 District
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	N/A	None	
	PERMITTEE SITES: Percentage of active construction sites inspected	0	N/A	None	
	PRIVATE SITES: Active construction sites	0	N/A	None	
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	N/A	None	Not Started
	PRIVATE SITES: Percentage of active construction sites inspected	N/A	N/A	None	
	Enforcement Action	0	N/A	None	
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		0		DE 2015 Cert Insp, 2 ITID Level 2 Op SW Certs
	Permittee construction site plan reviewers		0	N/A	None
	Permittee construction site operators		0	N/A	None

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Part III.A.9 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				

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

INDIAN TRAIL IMPROVEMENT DISTRICT

MS4 Permit No. FLS000018-004

Water Quality Assessment Report FY18-19

The Indian Trail Improvement District MS4 is almost all low density (1¼ acre or larger) residential lots. Its pollutant impact to the NPDES receiving water is minimal. ITID has 2 defined drainage basins: the M-1 and M-2 Basins. The M-2 Basin has 10 NPDES outfalls into Seminole Improvement District's M-2 Canal that subsequently discharges into SFWMD's C-51 Canal. All of the M-2 Basin is low density single family residential. The M-1 Basin has 7 MS4 outfalls which discharge into either the SFWMD's L-8 Basin or their C-51 Basin. The vast majority of ITID's discharges from the M-1 Basin are into the C-51 Canal. However, at times of very high rainfall, discharges can occur to the L-8 Canal. ITID has consistently demonstrated good water quality. As part of ITID's ERP permit for the M-1 Basin from SFWMD, ITID is required to take water quality samples. These samples are taken at 3 locations; one at the beginning of the drainage system and one at the end with another at the intermediate pump station (PS#2). Phosphorous has been identified as the limiting nutrient in South Florida and ITID's results for total phosphorous are typically between 30 and 60 ppb. Although these data are taken and demonstrate good water quality, ITID is relying on the Group Report while having these data as local ITID information to respond to any water quality questions.

Water Quality Monitoring

The C-51 Canal can flow either east or west according to SFWMD operations. The COE DDM specifies a westward flow, but this is dependent upon completion of STA 1-E to meet the Everglades water quality standards. In other words: the upstream station could be either 38B or 37B according to operations by others. The evaluation is therefore conditioned on knowing the C-51 flow direction which can be determined by stage data and pump operations of the SFWMD S-319 Pump Station. Also note that all of the discharge from the M-2 Basin is into the C-51 Canal.

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 (38B) and downstream 37B.

The upstream TN at 38B is trending down at a rate of about 61 ppb/yr and the downstream TN at 37B is also trending down at a rate of about 29 ppb/yr. Again, please note when the SFWMD is pumping into STA 1-E the flow is reversed and 38B becomes the downstream value and 37B the upstream value. The net TN trend is downward at both locations and must be viewed as decreasing but if the flow is to the east the decreasing trend is at a lower rate to the east.

The upstream TP at 38B is trending up at a rate of about 2.1 ppb/yr and the downstream TP at 37B is also trending up at a rate of about 2.6 ppb/yr. Again, please note when the SFWMD is pumping into STA 1-E the flow is reversed and 38B becomes the downstream value and 37B the upstream value. These rates of increase are not significantly different but as the net trend is upward future observance is advised. It is not probable that Indian Trail Improvement District is the source of any TP increases as very little land use change is occurring in this low density residential area (typically 1 unit per 1.25 acres). In addition, the sampling from Indian Trail Improvement District for TP is averaging below the reported valued within the C-51 Canal.

The upstream Chlorophyll-a at 38B is trending down at a rate of about 0.107 ppb/yr and the downstream Chlorophyll-a at 37B is trending down at a rate of about 0.057 ppb/yr. Again, please note when the SFWMD is pumping into STA 1-E the flow is reversed and 38B becomes the downstream value and 37B the upstream value. The net Chlorophyll-a trend is downward at both locations and must be viewed as decreasing but if the flow is to the east the decreasing trend is at a lower rate to the east.

Pollutant Loading Estimate

Indian Trail Improvements District 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.

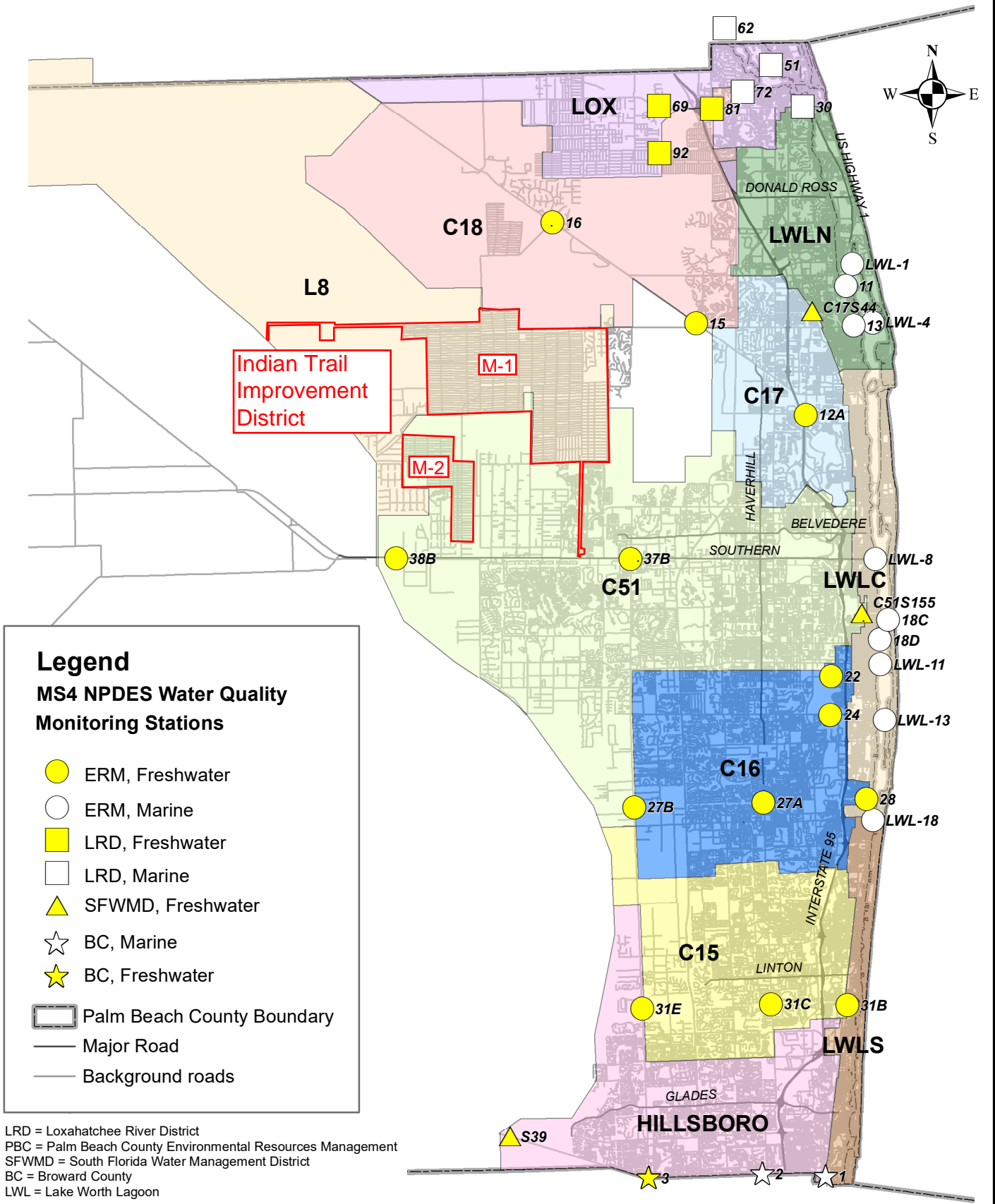
	BOD ₅ ~lbs	TSS ~lbs	TP ~lbs	Cu ~lbs	Zn ~lbs	TN ~lbs
2013	437,655	675,918	20,586	748	3,512	428,645
2018	411,169	625,430	19,359	702	3,289	403,205

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 TP at the downstream location in the C-51 Canal. It is noted that sampling location 38B is beyond the route of discharge that would occur from Indian Trail Improvement District as S-319, the pump station into STA 1-E from the C-51 Canal, is between ITID’s discharge points and 38B. Sample 387B should not be influenced by the District’s discharges unless by dispersion when pumping at S-319 is not occurring. The increases at 38B are therefore not probable due to ITID’s discharges.

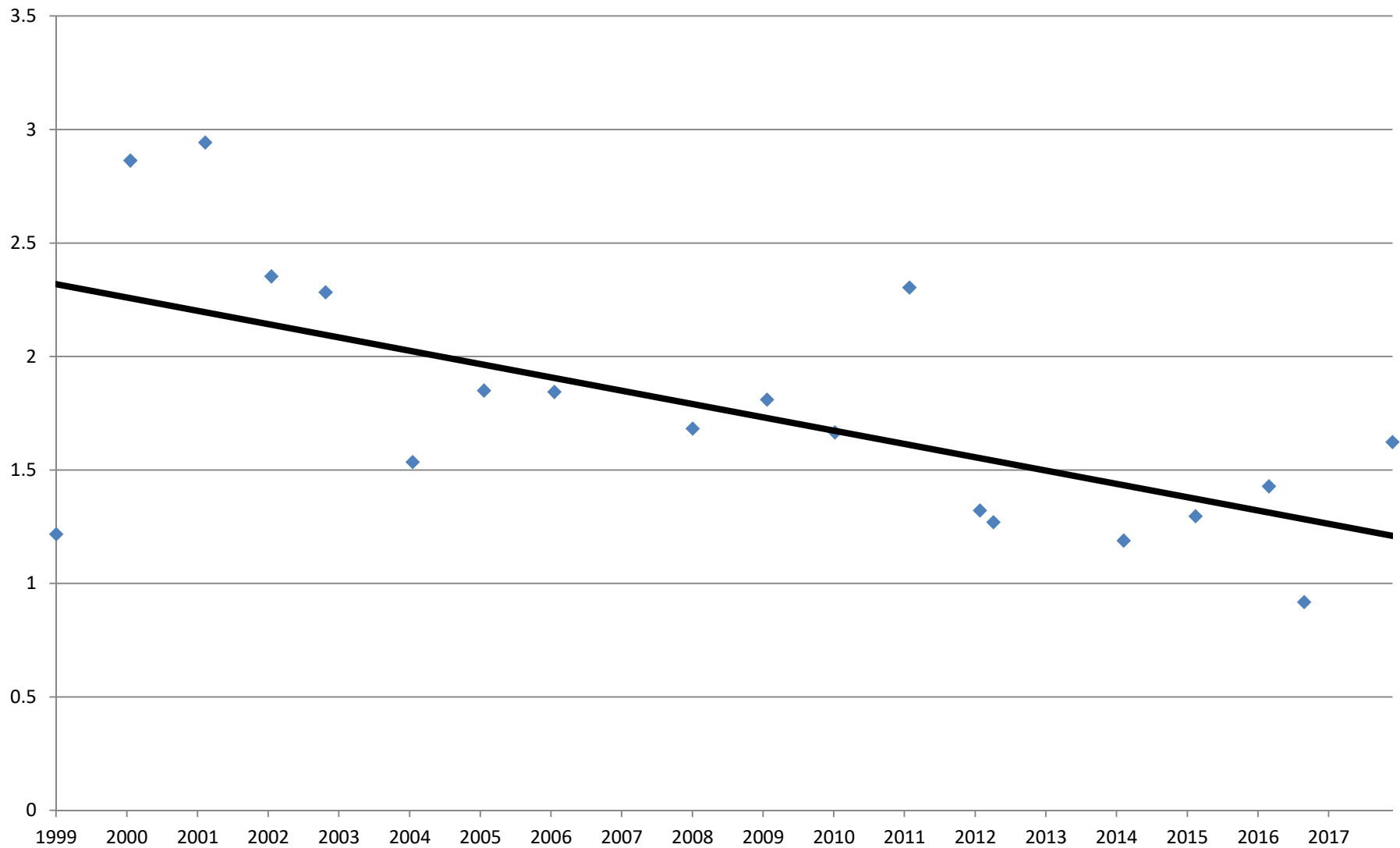
As a result of the above Indian Trail Improvement District is considered to have an effective stormwater management program. Indian Trail Improvement District is therefore not targeting any areas for loading reduction/corrective action.



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

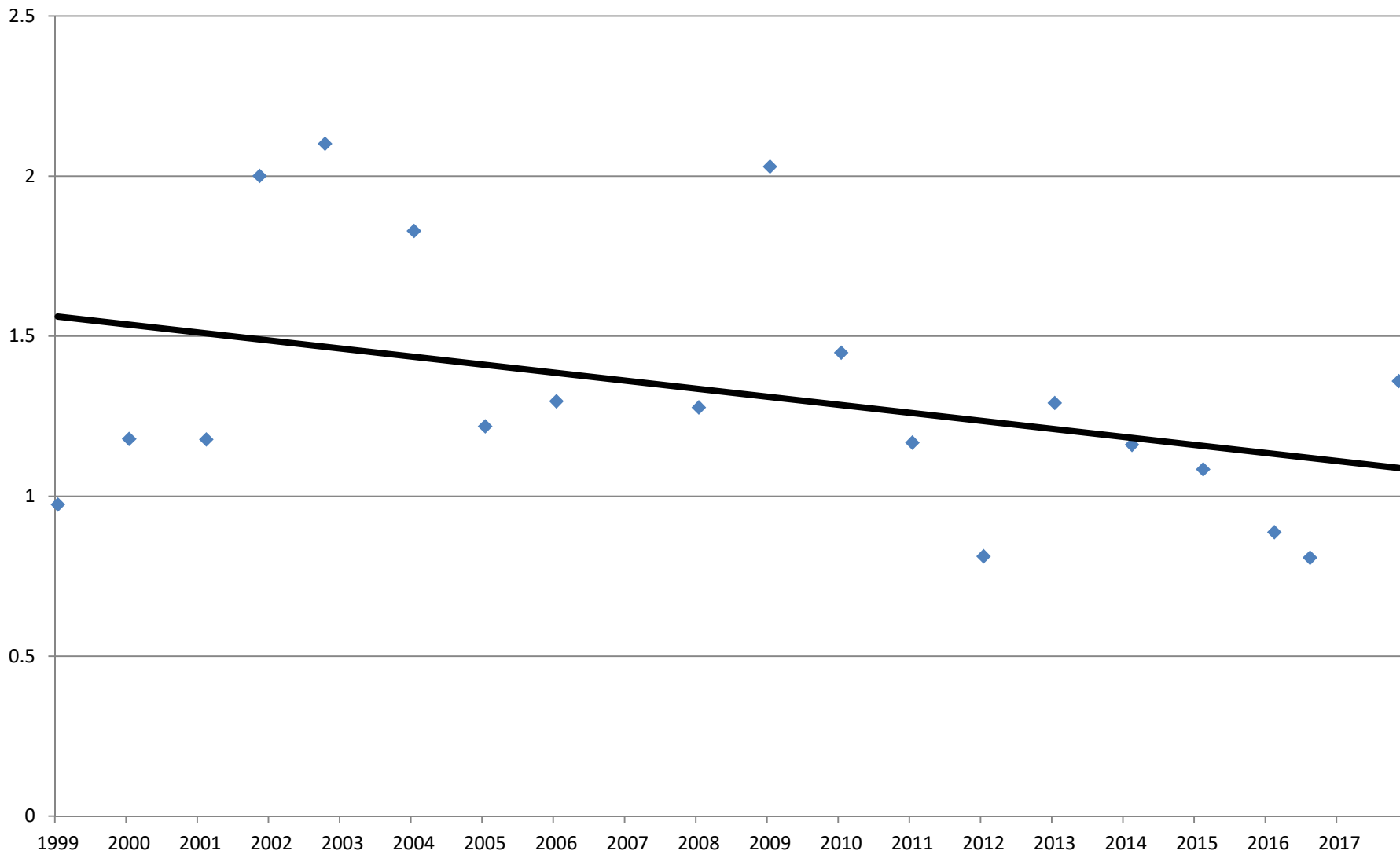
38B Nitrogen, Total (Annual Geometric Mean)

◆ TN — TN Trendline



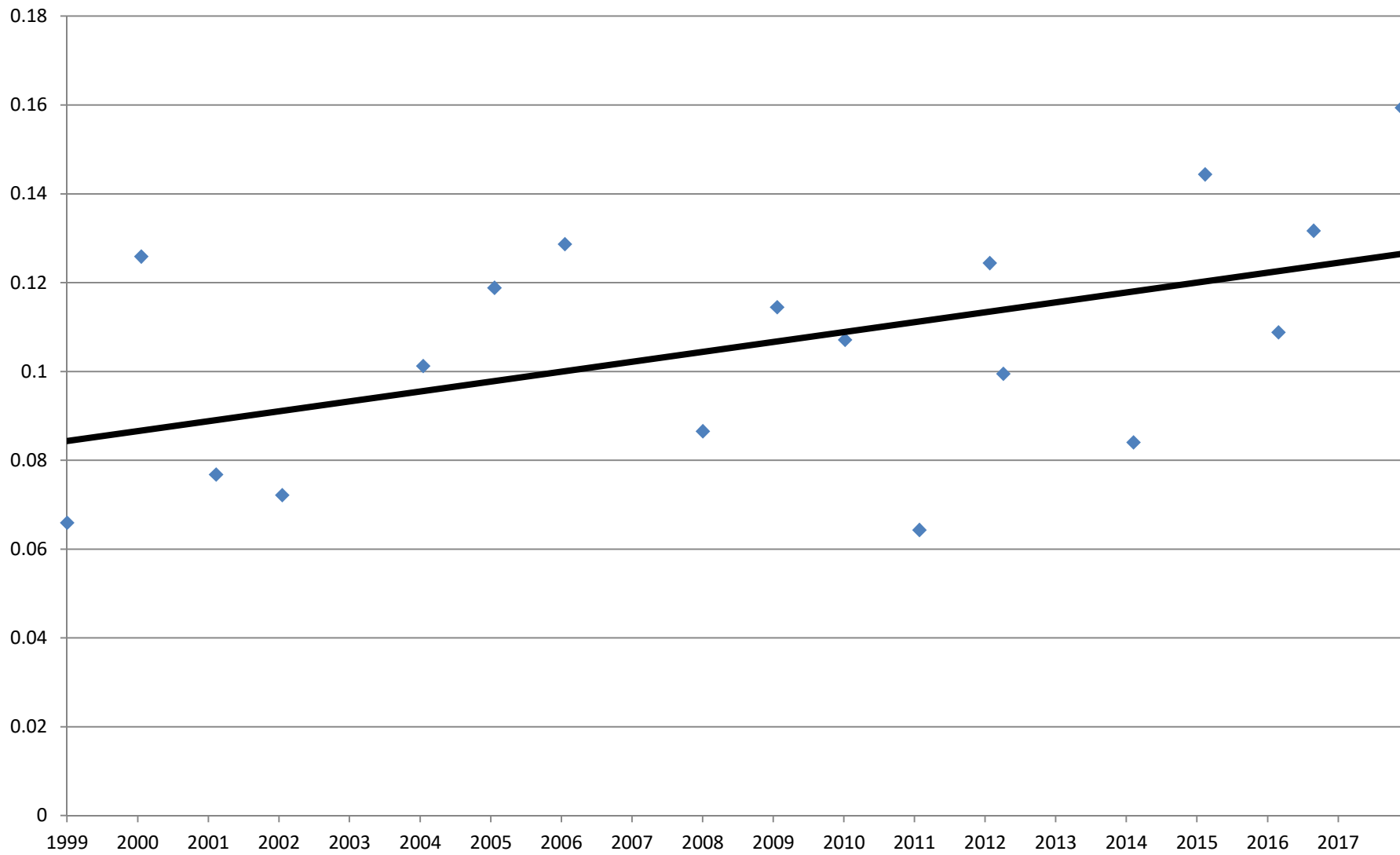
37B Nitrogen, Total (Annual Geometric Mean)

◆ TN — TN Trendline



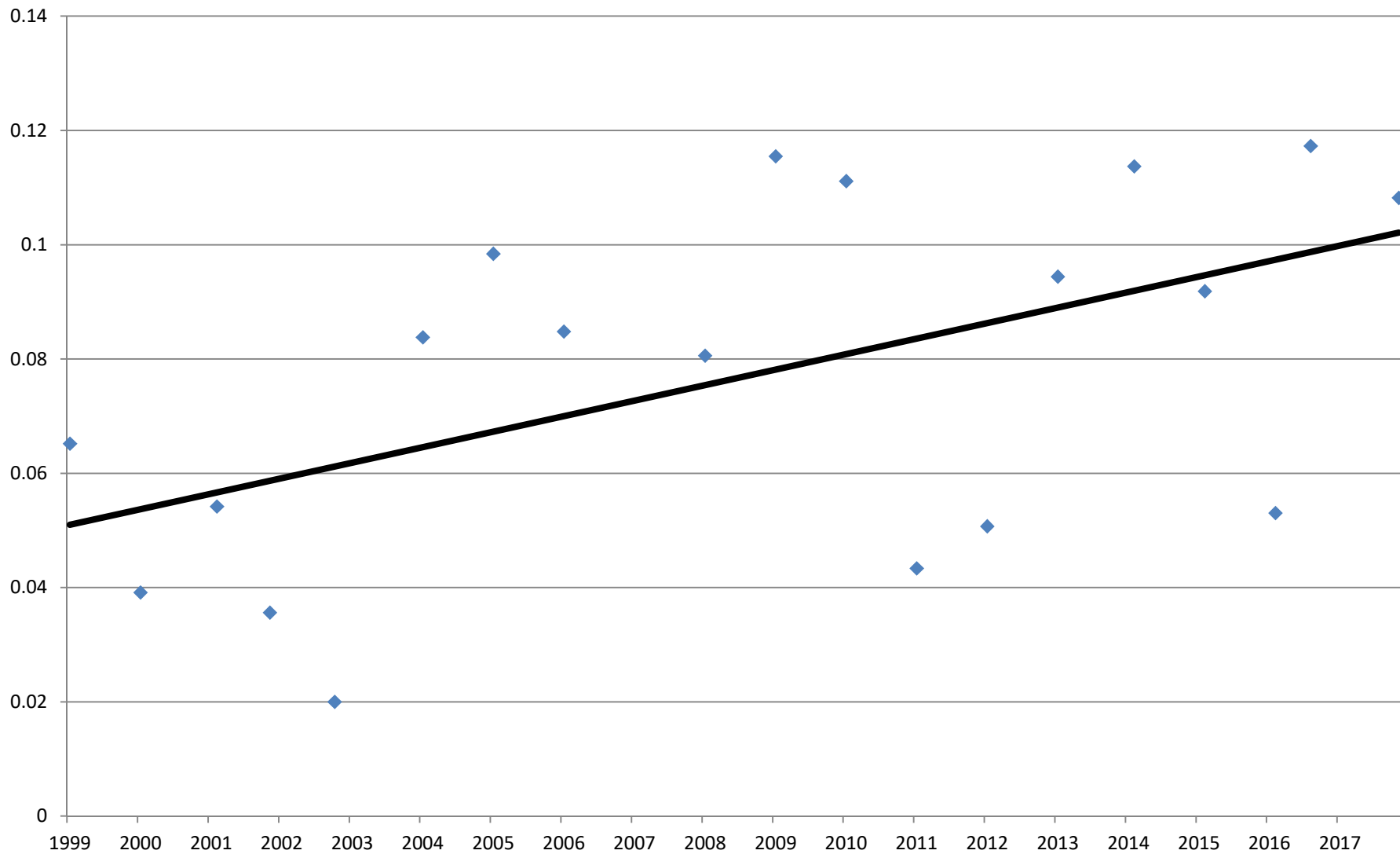
38B Phosphorus, Total (Annual Geometric Mean)

◆ TP — TP Trendline



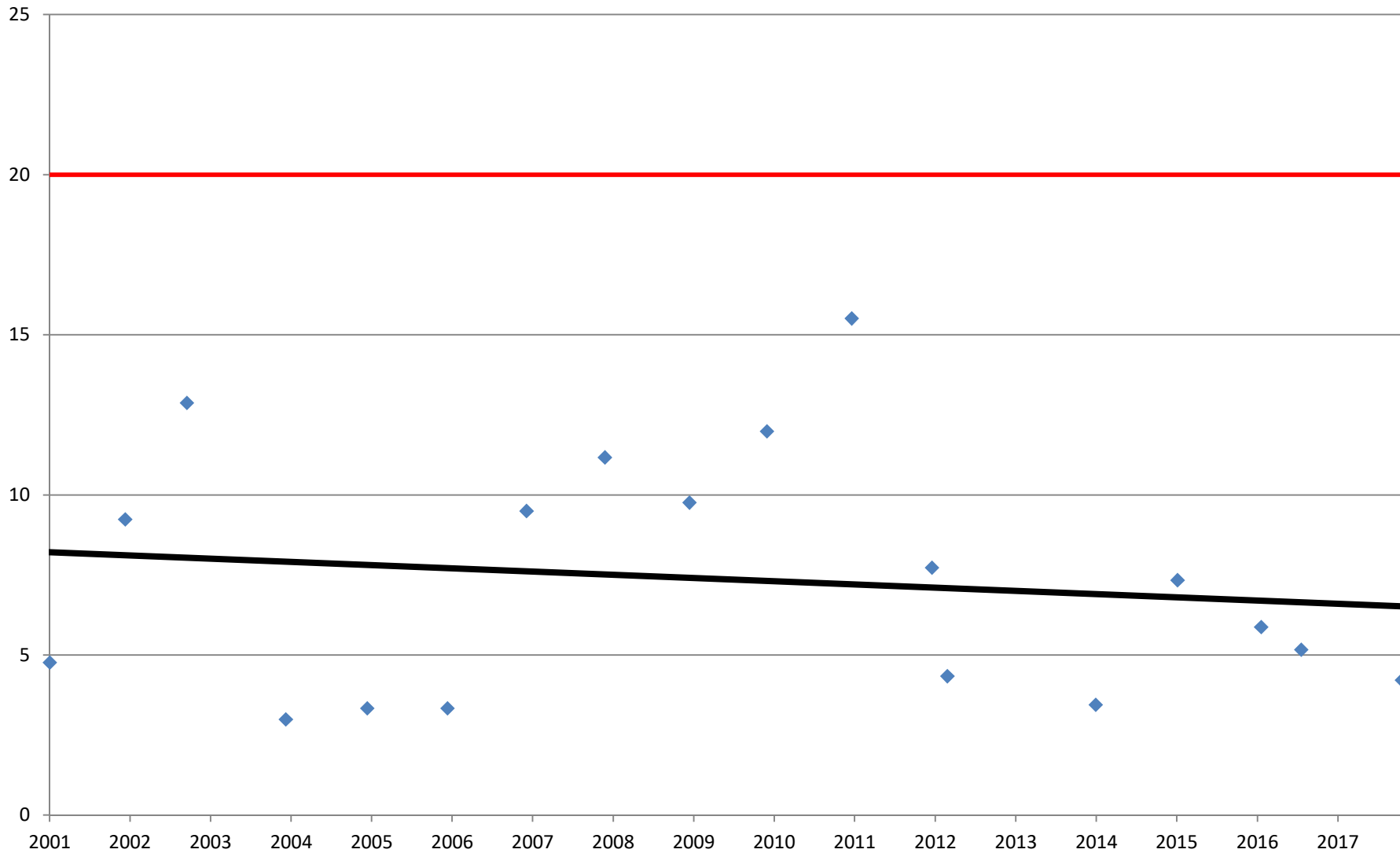
37B Phosphorus, Total (Annual Geometric Mean)

◆ TP — TP Trendline



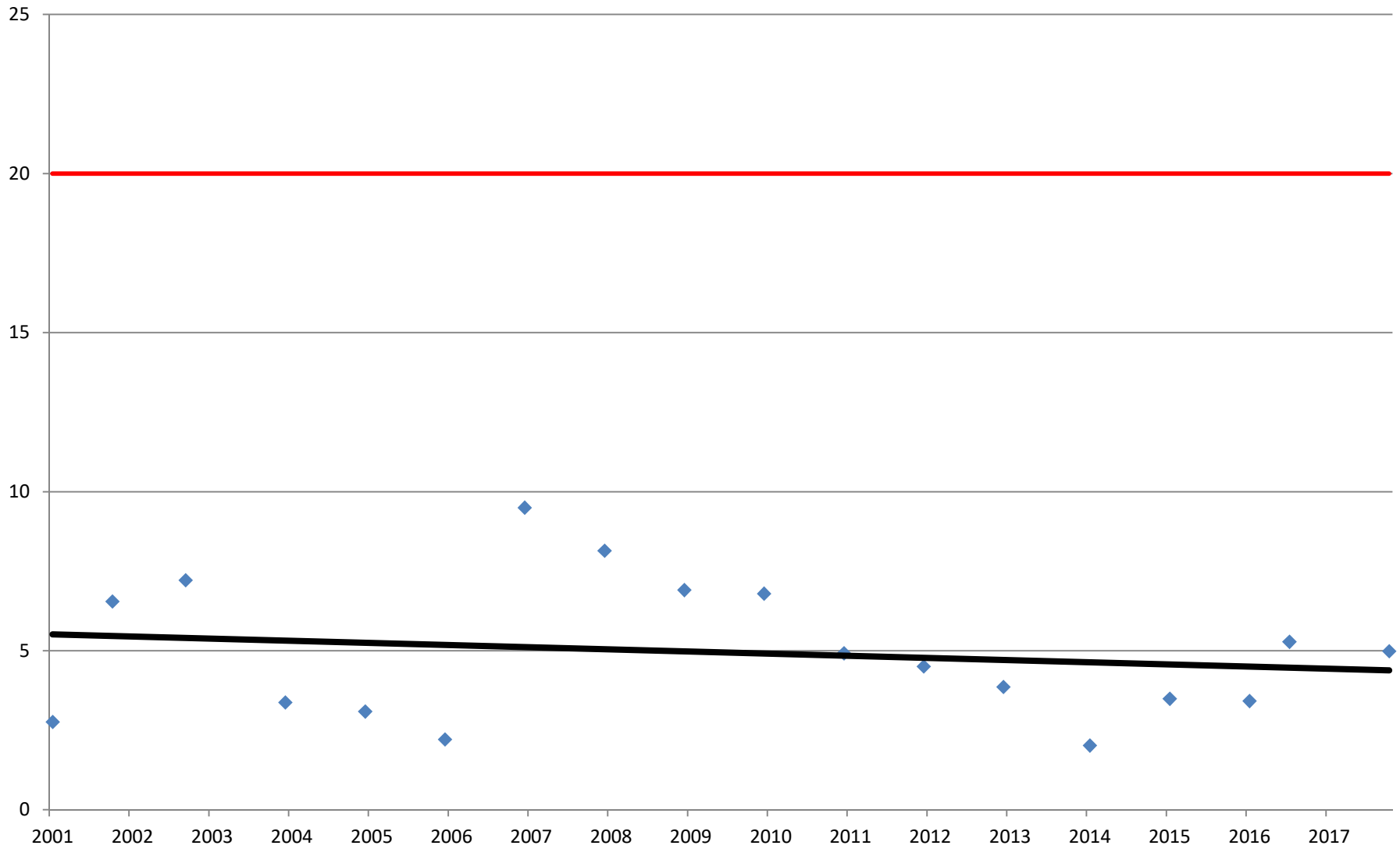
38B Chlorophyll-a (corrected) (Annual Geometric Mean)

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



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

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



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 TMDLs applicable to ITID								