

Town of Glen Ridge

October 1, 2018 to September 30, 2019

Year 3, Cycle 4

FY 18/19 Log

Prepared by the Town of Glen Ridge

And JLA Associates

December 2019

Annual Report



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 Glen Ridge		
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): 10/1/18 through 9/30/19		
F.	Name of the Responsible Authority: John J. Deal		
	Title: Manager		
	Mailing Address: 1501 Glen Road		
	City: Glen Ridge	Zip Code: 33406	County: Palm Beach
	Telephone Number: (561) 697- 8868		Fax Number: (561) 697-1755
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): John J. Deal		
	Title: Manager		
	Department: Administration		
	Mailing Address: 1501 Glen Road		
	City: Glen Ridge	Zip Code: 33406	County: Palm Beach
	Telephone Number: (561) 697-8868		Fax Number: (561) 697-1755
	E-mail Address: glenridgetownof@bellsouth.net		

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 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 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 (N/A)

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>Refer to the Cycle 4, Year 3 Joint Annual Report for water quality monitoring information. Attached is the 'Town of Glen Ridge Water Quality Monitoring 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>Please refer to the Cycle 4, Year 3 Joint Annual Report for a summary of the Group's water quality monitoring results and the Group's pollutant loading analysis for the reporting period.</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 response for Section III.B. above</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$ 23,879
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 29,850
C.	<p>Did the current reporting year resources decrease from the previous year? Y / N X</p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP: N/A</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):

<u>Attached</u>	<u>N/A</u>	Required Attachments	Permit Citation	Attachment Number/Title
	X	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	
	X	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
	X	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	
X		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	Refer to the Cycle 4, Year 3 Joint Annual Report and Attachment 1 - "Town of Glen Ridge Water Quality Monitoring Assessment Report"
	X	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	
	X	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
X		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	Refer to the Cycle 4, Year 3 Joint Annual Report and Attachment1 - "Town of Glen Ridge Water Quality Assessment Report"
	X	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
	X	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
	X	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	
	X	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
	X	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	
	X	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 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
	X	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	
	X	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
	X	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	
X		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	Refer to the Cycle 4, Year 3 Joint Annual Report and Attachment 1 - 'Town of Glen Ridge Water Quality Monitoring Assessment Report'
	X	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	
	X	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
X		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	Refer to the Cycle 4, Year 3 Joint Annual Report and Attachment 1 - 'Town of Glen Ridge Water Quality Assessment Report'
	X	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
	X	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
	X	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	
	X	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
	X	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	
	X	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): John J. Deal

Title: Manager

Signature: _____

John J. Deak

Date: 12/15/19

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			
Wet detention systems		1	2	100	0	100	Wet Detention System-Structural Control Inspection Form	Jack Horniman, Town Planning Consultant	FY 18/19 Log
Conveyance swales (miles)	8	16	100	0	100	Conveyance (Ditch and Canal) System-Structural Control Inspection Form	Town Planning Consultant	FY 18/19 Log	
Major outfalls	1	2	100	0	100	Major Stormwater Outfall #1-Structural Control Inspection Form	Town Planning Consultant	FY 18/19 Log	
Weirs or other control structures	1	2	100	0	100	Control Structure #1 Inspection Form	Town Planning Consultant	FY 18/19 Log	
Pipes / culverts	2	4	100	0	100	Pipes/Culverts-Structural Control Inspection Form	Town Planning Consultant	FY 18/19 Log	
Inlets / catch basins / grates	4	8	100	0	100	Inlet/Catch Basin/Grates-	Town Planning Consultant	FY 18/19 Log	

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
								Structural Control Inspection Form		
	<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>	<p>See above</p>				<p>All documentation listed above</p>		<p>Town Planning Consultant</p>	<p>All minimum inspections met or exceeded</p>	

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: Structural controls in good operating condition				
	Limitations: None				
	SWMP revisions implemented to address limitations: None needed				
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			No new significant development during permit year
	Number of significant development projects approved	0			Not Applicable (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	0			N/A
	Year 4 ONLY: Attach the follow-up report on plan implementation	0			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: Glen Ridge is primarily a low density residential community that is nearly built-out; only two (2) non-residential developed sites in Town (1 commercial property and 1 charter school) which are both on private systems and not part of the MS4				
	Limitations: None identified				
	SWMP revisions implemented to address limitations: None				
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	Monthly/12	Safety Inspection Log	Individual Property Owners/ Residents	Property owners/ residents responsible for litter and trash removal in swale; FY 18/19 Log
	PERMITTEE Litter Control: Estimated amount of area maintained (miles)	5	Town Map	John Deal, Town	

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
	<p>PERMITTEE Litter Control: Estimated amount of litter collected (bags)</p>	2	Safety Inspection Log	<p>Manager Town Manager</p>	
<p>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".</p>					
<p>Trash Pick-up Events: Total miles cleaned</p>		0			No program needed; all local streets
<p>Trash Pick-up Events: Estimated amount of litter collected (cy)</p>		0			N/A
<p>Adopt-A-Road: Total miles cleaned</p>		0			No adopt a road program
<p>Adopt-A-Road: Estimated amount of litter collected (cy)</p>		0			N/A
<p>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.</p>					
<p>Frequency of street sweeping</p>		0			No street sweeping; there are no curb and gutters in Town; roadway system is entirely served by roadway conveyance swales
<p>Total miles swept</p>		0			N/A
<p>Estimated quantity of sweeping material collected (cy / tons)</p>		0			N/A
<p>Total phosphorous loadings removed (pounds)</p>		0			N/A
<p>Total nitrogen loadings removed (pounds)</p>		0			N/a
<p>Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.</p>					
<p>Name of Facility</p>		<p>Number of Inspections</p>			
N/A		0			No municipal facilities; the Town street

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
					system is entirely served by grass swales; there are no curb and gutters.
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Roadways consist of local streets; litter control performed by individual property owners/residents requiring no contracted services; Town size (100 acres) and small population create minimal issues.				
	Limitations: None				
	SWMP revisions implemented to address limitations: None				
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			No flood control projects during permit year.
	Flood control projects completed that did <u>not</u> include stormwater treatment	0			N/A
	Stormwater retrofit projects planned/under construction	0			None planned
	Stormwater retrofit projects completed	0			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.	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: Flood control projects are addressed when identified; no flood projects during the permit year				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: None identified				

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	0			No municipal TSD facilities
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.5 Summary	Strengths: There are no Waste TSD facilities in Town				
	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			Services contracted out.
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	2	State Licenses	Greenworks ; Larry Ertel	FY 18/19 Log
	PERSONNEL: Green Industry BMP Program training completed	0			Services contracted out
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	2	State Licenses	Greenworks; Larry Ertel	FY 18/19 Log
	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	N/A			
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	25	Brochures/ Flyers	Palm Beach County (PBC) Stormwater Systems Group;	FY 18/19 Log

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Public displays (e.g. kiosks, storyboards, posters, ets.)			PBC Solid Waste Authority (PBCSWA); Florida Department of Environmental Protection (FDEP); Town Manager	
		1	Display Table in Town Hall	Town Manager	
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Good public information system is being implemented				
	Limitations: None identified				
	SWMP revisions implemented to address limitations: None				
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	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	52	Monthly Safety Inspection Log	Town Manager	Weekly inspections performed by Town; FY

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Illicit discharges found during a proactive inspection	0			18/19 Log
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0			None found
	Illicit discharges found during a proactive inspection	0			None issued
	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			No reports received
	Reactive investigations of reports of suspected illicit discharges etc.	0			No investigations
	Illicit discharges etc. found during reactive investigation	0			None found
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0			None issued
	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	Illicit Discharge Detention Elimination (IDDE) video; Spills and Skills video; and, Ground Control video	Town Planning Consultant	
Contractors trained	0			No contractors used for these purposes	
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	0	PBC Fire Incident Report	PBC Fire Rescue Department	No hazardous during the permit year
Contractors trained	0			No contractors used for these purposes	
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).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	25	Brochures/ Flyers	PBC Stormwater Systems Group; PBCSWA; FDEP; Town Manager	FY 18/19 Log
	Public displays (e.g. kiosks, storyboards, posters, etc.)	1	Display Table in Town Hall	Town Manager	
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Brochures/Flyers/Fact sheets distributed	25	Brochures/Flyer s	PBC Stormwater Systems Group; PBCSWA; FDEP; Town Manager	FY 18/19
	Public displays (e.g. kiosks, storyboards, posters, etc.)	1	Display Table in Town Hall	Town Manager	

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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					No municipal Landfills in Town
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0					No HWTSDR facilities
	EPCRA Title III, Section 313 facilities (TRI)	0					No EPCRA facilities
	Facilities determined as high risk by the permittee	0					No high risk facilities
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries						
	Report the number of high risk facilities sampled.						
	High risk facilities sampled		0				No high-risk facilities
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	Strengths: No municipal landfills, HWTSDR EPCRA or high risk facilities in Town facilities;						
	Limitations: None						
	SWMP revisions implemented to address limitations: None						
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				No new permittee construction site plans reviewed during permit year
	PERMITTEE SITES: Construction site plans approved		0				N/A
	PRIVATE SITES: Construction site plans reviewed		0				No private site construction site plans reviewed during permit

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	PRIVATE SITES: Construction site plans approved	0			year 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			No new permittee development or redevelopment during permit year; therefore, no ERP permits required
	Confirmed ERP coverage	0			N/A
	Notified of CGP stormwater permit requirements	0			N/A
	Confirmed CGP coverage	0			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			No new permittee site construction during the permit year
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			N/A
	PERMITTEE SITES: Percentage of active construction sites inspected	0			N/A
	PRIVATE SITES: Active construction sites	0			No new private site development during permit year
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	2	Inspection Log	Town Manager	FY 18/19 Log
	PRIVATE SITES: Percentage of active construction sites inspected	100	Inspection Log	Town Manager	FY 18/19 Log
	Enforcement Action	0			None required
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).				

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
		DEP Certification	Annual Training			
	Permittee construction site inspectors	1	1	Ground Control video	Town Planning Consultant	
	Permittee construction site plan reviewers		1	Ground Control video	Town Planning Consultant	No new site plan reviewer's training during permit year
	Permittee construction site operators		0			Contracted out
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: No new construction during permit year					
	Limitations: N/A					
	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	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	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"/>					
				<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								
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): N/A								

Town of Glen Ridge
(NPDES Stormwater Permitting Program)

'Water Quality Monitoring Assessment Report'
(submitted as Attachment 1 to the Town of Glen Ridge, Florida
Cycle 4, Year 3, Annual NPDES Report)

Prepared by JLH Associates
November, 2019

'Water Quality Monitoring Report'

Purpose

The purpose of the 'Water Quality Monitoring Assessment Report' is to provide information for the Town of Glen Ridge to determine the overall effectiveness of its stormwater management program in reducing stormwater pollutant loadings from its Municipal Separate Sewer System (MS4) to receiving bodies.

The following items and concerns are examined as part of this water quality monitoring report:

- A. **Impaired Water Bodies** - The Florida Department of Environmental Protection (FDEP) assessment program for water body impairments will be analyzed and Glen Ridge's Lake's contribution, if any, to those impairments will be assessed.
- B. **Water Quality Monitoring Program** - The water quality monitoring program is intended to identify local sources where urban stormwater is affecting surface water resources.
- C. **Water Quality Trend Analysis** – Using the water quality monitoring results trends can be identified and evaluated.
- D. **Pollutant Loading Estimates/Results** - Pollutant loadings and results are reported.
- E. **Conclusions** - Final conclusions are made regarding water quality and nutrient loading impacts.

Impaired Water Bodies

The Florida Department of Environmental Protection (FDEP) has an ambient water quality and assessment program for water body impairments. The State is divided into five (5) working groups, with each group cycling through a 5-year assessment cycle. The 5-year cycle includes planning, water quality, monitoring, preliminary evaluation, public meetings, final evaluation, and Secretarial (State) adoption of the verified lists. The Town of Glen Ridge is in Group 3. The latest (Cycle 3) assessment occurred in 2017. Based on the FDEP verified assessment listing, Cloud Lake is in Water Body Identification (WBID 3245F) of the Lake Worth Lagoon. Based on this assessment, there is no identified impairments for this WBID. As such, there are no projected TMDLs for this WBID.

Water Quality Monitoring Program

As a co-permittee, the Town of Glen Ridge uses the ambient water quality data provided by Palm Beach County MS4 Group.

Based on the location of outfall of the Glen Ridge MS4, two (2) monitoring stations have been established. Station 37B is a Palm Beach County Environmental Resource Monitoring Site and Station C51S155 is a South Florida Water Management Monitoring Site. The following Table identifies these monitoring stations along with relevant information about the locations. More specifically, Station 37B is located upstream approximately eight (8) miles west of Glen Ridge at the intersection of SR7 and Southern Boulevard (SR80). Station C51S155 is located east of Dixie Highway at the discharge point into Lake Worth (Intracoastal Waterway) approximately two (2) miles south and east of the Town of Glen Ridge. See Figure 1 location Map

Table 1			
MS4 Monitoring Stations			
Monitoring Station Number	Location Description	Northing/ Easting	Receiving Water Body
37B	C-51 Basin	853637.29/ 916592.84	Lake Worth Lagoon
C51S155	C-51 Basin	841132.85/ 964349.43	Lake Worth Lagoon

The primary concern that FDEP has regarding the stormwater permitting program is related to nutrients and what impacts are created by nutrients into the stormwater system. The Town of Glen Ridge has evaluated nutrient monitoring results at the above two locations; the same locations used by the Town of Cloud Lake. The Town of Glen Ridge and Town of Cloud Lake systems are interconnected by Gem Lake which lies partly in Glen Ridge and partly in Cloud Lake which feeds into Cloud Lake's detention lake for eventual discharge. The 10-year trend referenced in the Palm Beach County MS4 Cycle 4, Year 2 Joint Report is used for evaluating the nutrient levels. Specifically, Total Nitrogen (TN), Total Phosphorus (TP) and Chlorophyll-A (a surrogate for nutrient enrichment) are analyzed and evaluated below. Data for monitoring stations in the C-51 watershed are examined.

At this time the State does not have any numeric nutrient criteria established for the C51 Canal (South Florida Region) for TN or TP. Chlorophyll-A has criteria of less than or equal to 20 ug/l.

Based on information provided in the PBC Cycle 4 Year 2 Joint Annual Report, water quality monitoring results for the last 10 years (2009-2018) is provided in Tables 2, 3, 4, respectively for TN, TP and Chlorophyll-A. Review of the results indicate a general reduction in values from west (Station 37B) to east (Station C51S155). Reported Chlorophyll-A values are well below the standard of 20 ug/l, indicating that the C-51 Canal is not nutrient impaired and Glen Ridge, an eastern contributor, is not adversely affecting nutrient levels.

Table 2 Annual Geometric Mean Total Nitrogen Concentration (mg/l) C-51 Watershed		
Year	Station 37B	Station C51S155
2009	No Record	1.18
2010	1.60	1.25
2011	1.26	0.88
2012	0.76	0.95
2013	1.26	1.96
2014	1.16	0.73
2015	1.09	0.97
2016	1.02	1.14
2017	0.80	0.79
2017	1.65	1.34

Source: Extracted from Table 5-8, p. 111 of the Cycle 4, Year 2, PBC Joint Annual Report.

Table 3 Annual Geometric Mean Total Phosphorus Concentration (mg/l) C-51 Watershed		
Year	Station 37B	Station C51S155
2009	No Record	No Record
2010	0.11	0.07
2011	0.06	0.04
2012	0.04	0.03
2013	0.08	0.06
2014	0.14	0.06
2015	0.08	0.08
2016	0.09	0.06
2017	0.05	0.06
2018	0.11	0.09

Source: Extracted from Table 5-9, P. 115 of the Cycle 4, Year2 PBC Joint Annual Report.

Table 4 Annual Geometric Mean Chlorophyll-A Concentration (ug/l) C-51 Watershed		
Year	Station 37B	Station C51S155
2009	No Record	No Record
2010	8.25	No Record
2011	4.84	No Record
2012	4.21	No Record
2013	4.36	No Record
2014	2.79	0.03
2015	2.06	No Record
2016	3.93	No Record
2017	3.98	No Record
2018	4.99	No Record

Source: Extracted from Table 5-10, p. 119 of the Cycle 4, Year 2 PBC Joint Annual Report.

Water Quality Trends

To evaluate nutrient trends, the water quality data for the last 10 years are extracted from graphs provided on the Palm Beach County NPDES web site; specifically, for Total Nitrogen (TN), Total Phosphorus (TP) and Chlorophyll-a. These nutrients are analyzed for Stations C51S155 (west of the Town) and 37B (east of Town) to indicate trends from west to east as the eventual discharge point is approached. Each figure contains the separate plots for Stations 37B and C51S155.

Review of the annual geometric trend graphs indicate a general declining trend for two (2) of the three (3) water quality monitoring parameters. Even though TP shows an increasing trend for the last 10 years, the long term 20-year trend shows a declining trend (reference the MS4 website www.pbco-npdes.org) Group/Joint Activities - WQ Monitoring - C-51 Trend, C51S155, Phosphorus Total. Typically, the nutrient concentrations are lower from west to east. Any numeric nutrient impairment is based on Chlorophyll-a values exceeding 20 ug/l. The data graphs indicate the Chlorophyll-a values are well below the State criteria. In regard to TN, a steady declining trend is indicated.

Pollutant Loading Estimates/Results

The municipal separate storm sewer system (MS4) National Pollutant Discharge Elimination System (NPDES) Cycle 4 permit, issued September 8, 2016, requires in PART V. - Monitoring Requirements that average annual pollutant loading, and event mean concentration (EMC) estimates be provided for six (6) parameters. The six (6) parameters identified are: 1) five-day biochemical oxygen demand (BODs); 2) total copper (Cu); 3) Total nitrogen (TN); 4) total phosphorus (TP); 5) total suspended solids (TSS); and, 6) total zinc (Zn), all in the unit of mg/l. It is assumed by the FDEP that pollutant loading generated within a watershed flows through MS4 outfalls and directly affects the receiving bodies. An option is provided in the permit to provide the average annual pollutant loading estimates based on major outfalls watersheds Since the pollutant loading estimates for permit Cycles 1 through 3 were provided on a watershed basis, it was agreed with the FDEP that the Cycle 4 loading estimates would also be provided on a watershed basis. In addition to meeting the requirements of the permit, modeling the average annual pollutant loading generated by a watershed or a MS4's watershed can assist in planning for future improvements in stormwater quality treatment, regulations or stormwater management.

The Town of Glen Ridge lies in the C-51 watershed/WIBD 3245F. All stormwater runoff from the Glen Ridge MS4 system discharges into the combined Town of Glen Ridge and Town of Cloud Lake on-site lake detention system prior to discharging into the West Palm Beach Stub Canal. All six (6) parameters are analyzed and graphed in the Cycle 4, Year 3 'Summary of Average Annual Pollutant Loading Model Activities' report (2019) for all of the watersheds including the C-51 Watershed (See Figures 3-8, pgs. 20-23) prepared by Mock-Roos for the co-permittees reference. All parameters indicate decreases between the Cycle 3, Year 3 and Cycle 4, Year 3 reporting period within the C-51 watershed.

Pollutant loadings for the Glen Ridge MS4 are also reported in the 'Summary of Average Annual Pollutant Loading Model Activities' report cited above. Pollutant loadings for all six (6)

parameters are reported for year 2013 (Table 18, p. 31 of the report) and 2018 (Table 19, p. 32 of the report) and, specifically, for the Glen Ridge MS4 below in Table 5.

Glen Ridge has in place stormwater management programs that reduces the nutrient loading into the C-51 watershed/WBID 3245F. These programs include maintenance of conveyance swales, detention lake, public education (brochures and flyers for public distribution, MS4 group activities and an adopted Fertilizer Ordinance). The public education component alone allows a further 6% reduction in pollutant loadings reported in Table 5 below:

Table 5
Pollutant Loadings (lbs./year)
-Town of Glen Ridge -
C-51 Watershed

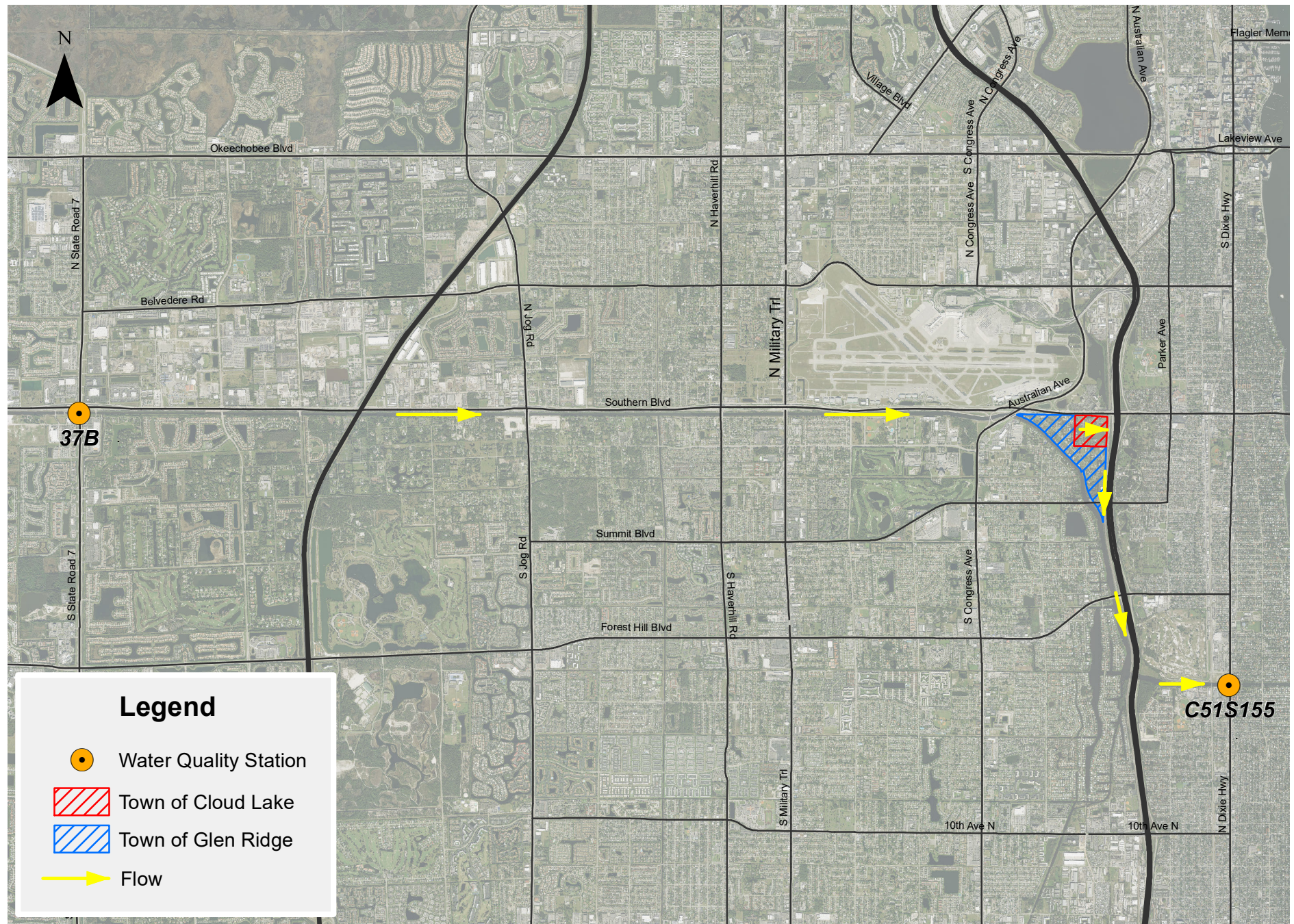
<u>Parameter</u>	<u>BODs</u>	<u>TSS</u>	<u>TP</u>	<u>CU</u>	<u>ZN</u>	<u>TN</u>
2013 Loads	2654	9497	156	6	25	2836
2018 Loads	2051	2817	107	4	18	2642
Other Reduction - Public Education (6% - rounded)	<u>123</u>	<u>169</u>	<u>6</u>	<u>0</u>	<u>1</u>	<u>159</u>
Total Amount	1928	2648	99	4	17	2483
Percent (%) Reduction	<u>27.4%</u>	<u>72.1%</u>	<u>36.5%</u>	<u>33.3%</u>	<u>32%</u>	<u>12.4%</u>

Sources: Tables 18 (p. 31) and 19 (p. 32) of the 'Summary of Average Annual Pollutant Loading Model Activities' report (2019) prepared by Mock-Roos.

Reductions in pollutant loadings in the Glen Ridge MS4 between 2013 and 2018 are extremely significant for all six) parameters.

Conclusions

The Town of Glen Ridge stormwater management programs are extremely effective in reducing nutrient loadings. This is supported by the water quality monitoring program (both FDEP and the MS4 group information) and pollutant loading information. At this time there is no need to develop further stormwater management programs.



Location Map for Water Quality Monitoring Sites

Figure 1

APPENDIX

'Water Quality Monitoring Plan' -Town of Glen Ridge-

Figure 5-1: Annual Geometric Mean Total Nitrogen Concentration (mg/l)
(at Monitoring Stations 37B and C51S155, C-51 Watershed)

Figure 5-2: Annual Geometric Mean Total Phosphorus Concentration (mg/l)
(at Monitoring Stations 37B and C51S155, C-51 Watershed)

Figure 5-3: Annual Geometric Mean Total Chlorophyll-A Concentration (mg/l)
(at Monitoring Stations 37B and C51S155, C-51 Watershed)

Figure 2
Annual Geometric Mean Total Nitrogen Concentration (mg/l)
C-51 Stations

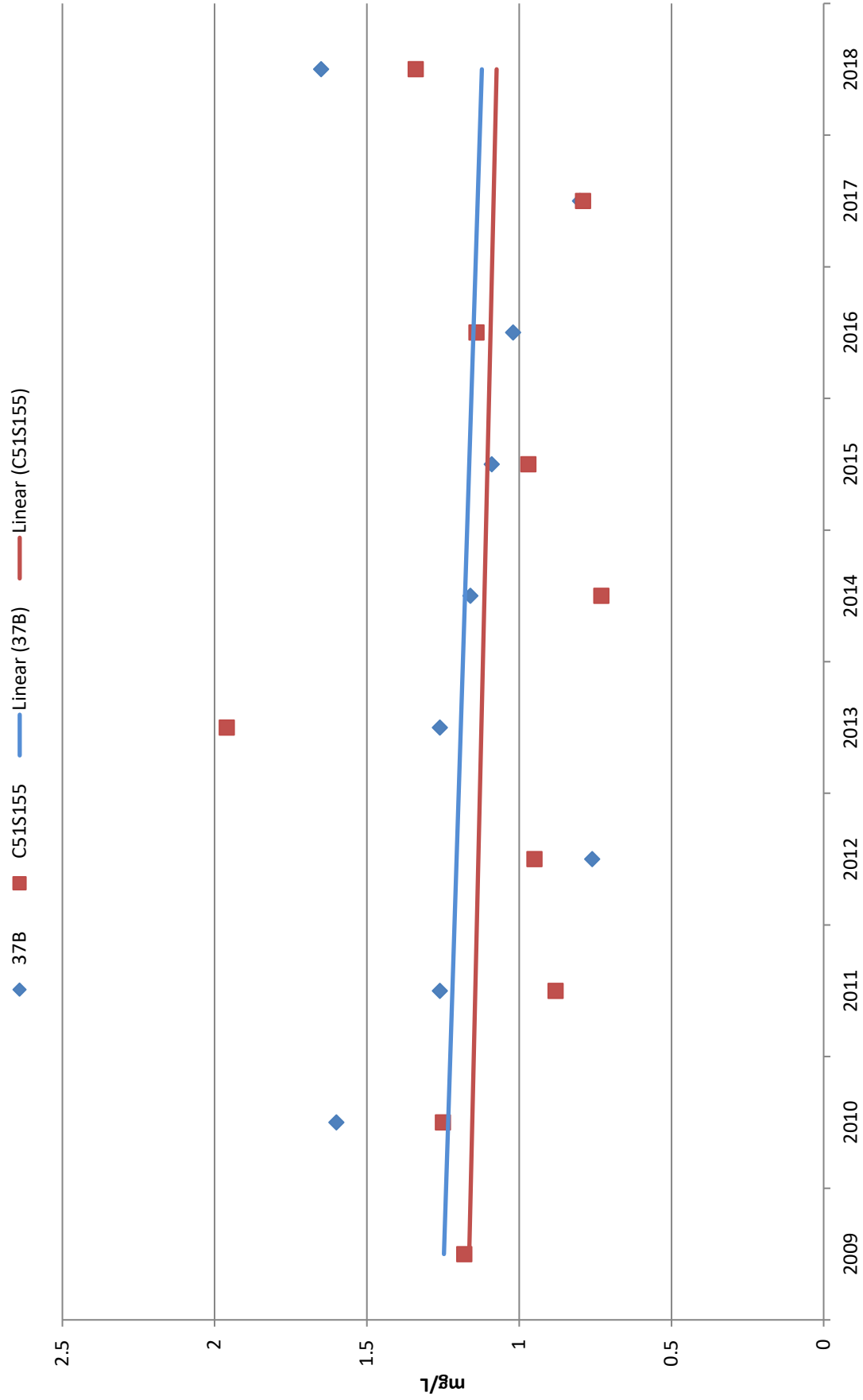


Figure 3
Annual Geometric Mean Total Phosphorous Concentration (mg/l)
C-51 Stations

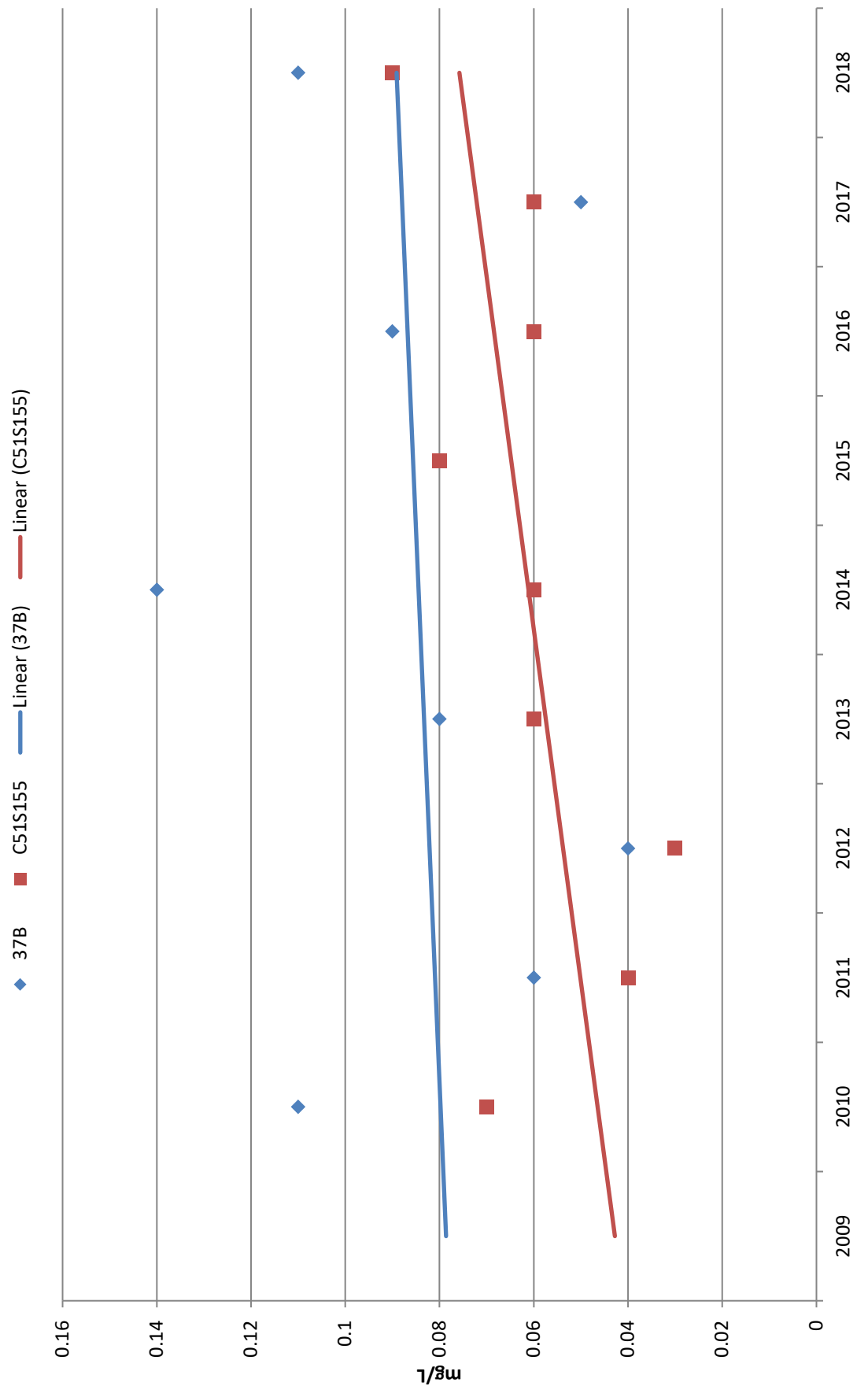
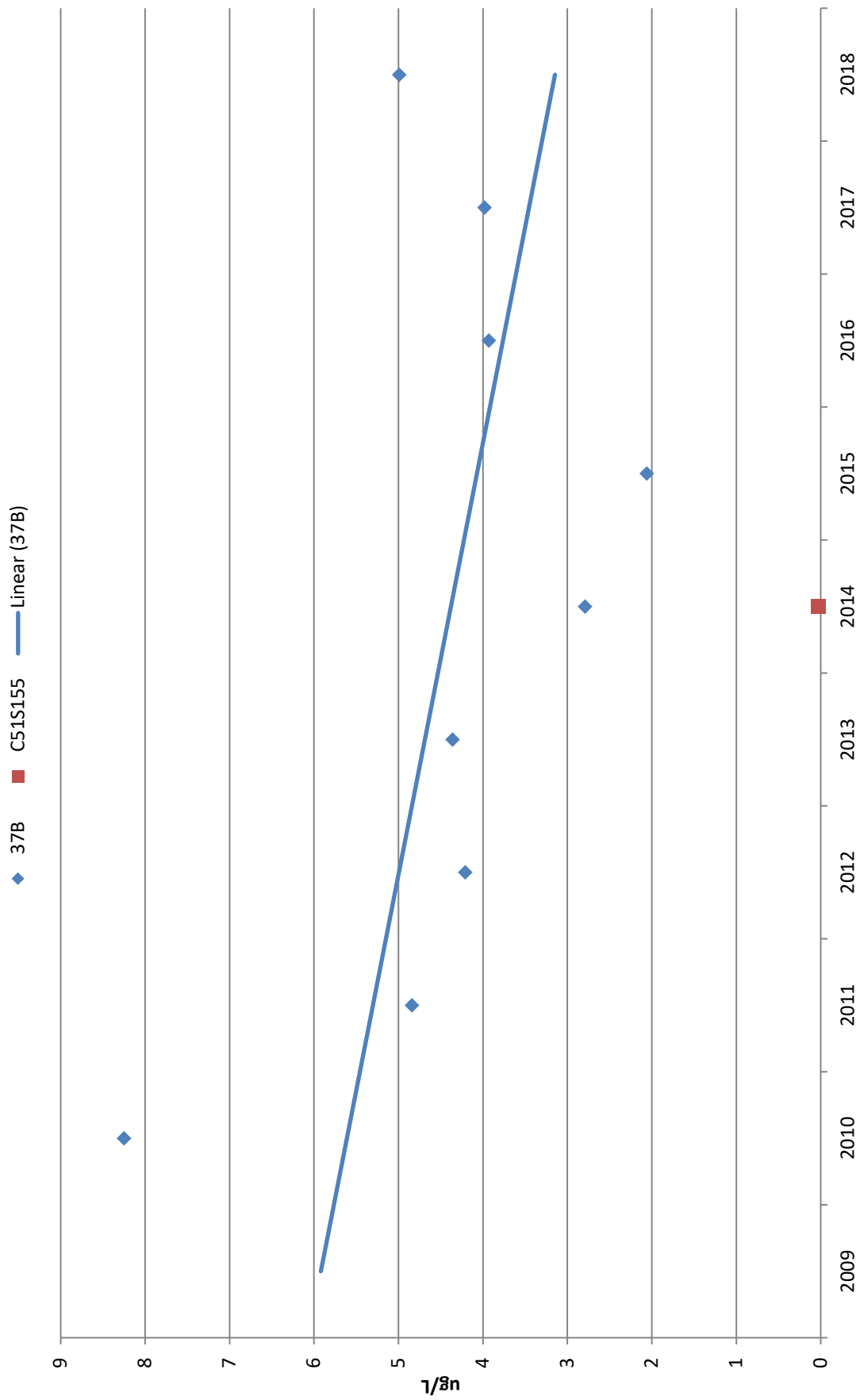


Figure 4
Annual Geometric Mean Total Chlorophyll-a (ug/l)
C-51 Stations



Part III.A.1.

Structural Controls

Wet Detention System - Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Pond

Date: 6/21/19

Location : Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Pond/Lake level above control elevation longer than recovery time? YES NO

EROSION:

Vegetation on side slopes failing? YES NO

Any signs of erosion? YES NO

Any signs of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sediments? YES NO

If YES to any of the above, schedule the structure for maintenance: N/A

Any debris present? YES NO

If YES, remove debris or schedule for maintenance: N/A

OUTFLOW STRUCTURE

Any signs of erosion? YES NO

Any sign of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sedimentation? YES NO

If YES to any of the above, schedule the structure³ for maintenance: N/A

Any debris present? YES NO

If YES, remove debris or schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

Wet Detention System - Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Pond

Date: 9/24/19

Location : Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Pond/Lake level above control elevation longer than recovery time? YES NO

EROSION:

Vegetation on side slopes failing? YES NO

Any signs of erosion? YES NO

Any signs of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sediments? YES NO

If YES to any of the above, schedule the structure for maintenance: N/A

Any debris present? YES NO

If YES, remove debris or schedule for maintenance: N/A

OUTFLOW STRUCTURE

Any signs of erosion? YES NO

Any sign of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sedimentation? YES NO

If YES to any of the above, schedule the structure³ for maintenance: N/A

Any debris present? YES NO

If YES, remove debris or schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-01

Date: 6/21/19

Location: Taylor Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-01

Date: 9/24/19

Location: Taylor Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-02

Date: 6/21/19

Location: Churchill Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-02

Date: 9/24/19

Location: Churchill Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-03

Date: 6/21/19

Location: Chandler Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-03

Date: 9/24/19

Location: Chandler Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-04

Date: 6/21/19

Location: Shannondale Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-04

Date: 9/24/19

Location: Shannondale Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-05

Date: 6/21/19

Location: Gem Lake Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-05

Date: 9/24/19

Location: Gem Lake Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-06

Date: 6/21/19

Location: Windham Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-06

Date: 9/24/19

Location: Windham Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-07

Date: 6/21/19

Location: Glen Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-07

Date: 9/24/19

Location: Glen Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-08

Date: 6/21/19

Location: Island Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Conveyance (Ditch and Canal) System - Structural Control Inspection
-Town of Glen Ridge**

Facility/Segment ID: CS-08

Date: 9/24/19

Location: Island Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or trash present? YES NO

Sediment accumulation? YES NO

Grading issue? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance: N/A

EROSION:

Vegetation on top or side of slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance: N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response: N/A

**Major Stormwater Outfall #1 – Structural Control Inspection
-Town of Glen Ridge-**

Facility ID: GR-01 Date: 6/21/19

Is it raining during the inspection? YES NO If NO, date of last rainfall 6/14/19

PIPE FLOWING NO YES If YES, check appropriate box Full pipe flow
 $\frac{3}{4}$ pipe flow
 $\frac{1}{2}$ pipe flow
 $\frac{1}{4}$ pipe flow

FUNCTION:

Debris or sediment accumulation in pipe? YES NO
Barnacle accumulation in pipe? YES NO
Sediment accumulation in receiving water? YES NO
Pipe in need of repair/replacement? YES NO
Headwall in need of repair/replacement? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance.

EROSION

Signs of erosion on bank near outfall? YES NO
Rip-rap in need of maintenance? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

Major Stormwater Outfall #1 – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01 Date: 9/24/19

Is it raining during the inspection? YES NO If NO, date of last rainfall 9/22/19

PIPE FLOWING NO YES If YES, check appropriate box Full pipe flow
 $\frac{3}{4}$ pipe flow
 $\frac{1}{2}$ pipe flow
 $\frac{1}{4}$ pipe flow

FUNCTION:

Debris or sediment accumulation in pipe? YES NO
Barnacle accumulation in pipe? YES NO
Sediment accumulation in receiving water? YES NO
Pipe in need of repair/replacement? YES NO
Headwall in need of repair/replacement? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance.

EROSION

Signs of erosion on bank near outfall? YES NO
Rip-rap in need of maintenance? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

Control Structure #1 Inspection Procedure/Checklist/Form
-Town of Glen Ridge-

Facility ID: Weir

Date: 9/24/19

Location: Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall? 9/22/19

FUNCTION:

Structure allowing gravity discharge from Lake? YES NO

GENERAL:

Debris accumulation upstream or downstream of structure? YES NO

Sediment accumulation upstream or down stream of structure? YES NO

Flood gate structurally damaged? YES NO

Headwall or riprap in need of repair/replacement? YES NO

If YES, schedule for maintenance: N/A

ILLICIT DISCHARGE INDICATIONS:

Any indication of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response: N/A

Pipes/Culverts – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Corrugated Pipe

Date: 6/21/19

Location: At Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO X If NO, date of last rainfall: 6/14/19

PIPE FLOWING NO YES X If YES, check appropriate box

Full pipe flow	<u>X</u>
$\frac{3}{4}$ pipe flow	<input type="checkbox"/>
$\frac{1}{2}$ pipe flow	<input type="checkbox"/>
$\frac{1}{4}$ pipe flow	<input type="checkbox"/>

FUNCTION:

Debris or sediment accumulation in pipe?	YES	NO <u>X</u>
Barnacle accumulation in pipe?	YES	NO <u>X</u>
Sediment accumulation in receiving water?	YES	NO <u>X</u>
Evidence of settling of pipe – misalignment?	YES	NO <u>X</u>
Pipe in need of repair/replacement?	YES	NO <u>X</u>

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO X

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response.

Pipes/Culverts – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Corrugated Pipe

Date: 9/24/19

Location: At Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO X If NO, date of last rainfall: 9/22/19

PIPE FLOWING NO YES X If YES, check appropriate box

Full pipe flow	<u>X</u>
$\frac{3}{4}$ pipe flow	<input type="checkbox"/>
$\frac{1}{2}$ pipe flow	<input type="checkbox"/>
$\frac{1}{4}$ pipe flow	<input type="checkbox"/>

FUNCTION:

Debris or sediment accumulation in pipe?	YES	NO <u>X</u>
Barnacle accumulation in pipe?	YES	NO <u>X</u>
Sediment accumulation in receiving water?	YES	NO <u>X</u>
Evidence of settling of pipe – misalignment?	YES	NO <u>X</u>
Pipe in need of repair/replacement?	YES	NO <u>X</u>

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO X

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response.

Pipes/Culverts – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-02/Culvert

Date: 6/21/19

Location: Island Road

Is it raining during the inspection? YES NO X If NO, date of last rainfall: 6/14/19

PIPE FLOWING NO YES X If YES, check appropriate box

Full pipe flow	<u>X</u>
$\frac{3}{4}$ pipe flow	<input type="checkbox"/>
$\frac{1}{2}$ pipe flow	<input type="checkbox"/>
$\frac{1}{4}$ pipe flow	<input type="checkbox"/>

FUNCTION:

Debris or sediment accumulation in pipe?	YES	NO <u>X</u>
Barnacle accumulation in pipe?	YES	NO <u>X</u>
Sediment accumulation in receiving water?	YES	NO <u>X</u>
Evidence of settling of pipe – misalignment?	YES	NO <u>X</u>
Pipe in need of repair/replacement?	YES	NO <u>X</u>

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO X

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response.

Pipes/Culverts – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-02/Culvert

Date: 9/24/19

Location: Island Road

Is it raining during the inspection? YES NO X If NO, date of last rainfall: 9/22/19

PIPE FLOWING NO YES X If YES, check appropriate box

Full pipe flow	<u>X</u>
$\frac{3}{4}$ pipe flow	<input type="checkbox"/>
$\frac{1}{2}$ pipe flow	<input type="checkbox"/>
$\frac{1}{4}$ pipe flow	<input type="checkbox"/>

FUNCTION:

Debris or sediment accumulation in pipe?	YES	NO <u>X</u>
Barnacle accumulation in pipe?	YES	NO <u>X</u>
Sediment accumulation in receiving water?	YES	NO <u>X</u>
Evidence of settling of pipe – misalignment?	YES	NO <u>X</u>
Pipe in need of repair/replacement?	YES	NO <u>X</u>

If YES, report to supervisor for further investigation or schedule for maintenance.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO X

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response.

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Catch Basin

Date: 6/21/19

Location: Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-01/Catch Basin

Date: 9/24/19

Location: Duck Pond N. of Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-02/Catch Basin

Date: 9/24/19

Location: N.E. corner of Island Road and Gem Lake Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-03/Catch Basin

Date: 6/21/19

Location: S.E corner of Island Road and Gem Lake Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-03/Catch Basin

Date: 9/24/19

Location: S.E corner of Island Road and Gem Lake Road

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-04/Catch Basin

Date: 6/21/19

Location: Glen Road at Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 6/14/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Inlets/Catch Basins/Grates – Structural Control Inspection
-Town of Glen Ridge-

Facility ID: GR-04/Catch Basin

Date: 9/24/19

Location: Glen Road at Town Hall

Is it raining during the inspection? YES NO If NO, date of last rainfall: 9/22/19

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Barnacle accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Sediment accumulation in inlet/catch basin/grate?	YES	<input checked="" type="checkbox"/>	NO
Evidence of settling of pipe – misalignment?	YES	<input checked="" type="checkbox"/>	NO
Inlet/catch basin/grate in need of repair/replacement?	YES	<input checked="" type="checkbox"/>	NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, complete Illicit Discharge Inspection Form and submit to supervisor for proper response. N/A

NOTES: No Comments

Part III.A.3. and Part III.A.7

Roadways

And

Illicits

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: October, 2019

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
 Outside and Inside Common Areas

	INSIDE	OUTSIDE	
1 Housekeeping	✓	16 Unauthorized Vehicles	✓
2 Signage: paint/intact/clear view	✓	17 Parking Lot Striping	Needs Painting
3 Temperature control adequate	✓	18 Outer Walls	✓
4 Lighting Inside	✓	19 Porch	✓
5 Ceiling Tiles/Watermarkes	✓	20 Lighting Outside	✓
6 Hall Lighting	✓	21 Benches	✓
7 Emergency Lighting	✓	22 Lake Fountain	✓
8 Fire Extinguishers	✓	23 Doormats	✓
9 Floor Surfaces	✓	24 Windows	✓
10 Storage at Exits	✓	25 Parking Surfaces	✓
11 Security Alarm	✓	26 Excess Vegetation	✓
12 Kitchen Appliances	✓	27 Outer Door Locks	✓
13 Step Hazard Yellow Striping	✓	28 Debris/Trash	✓
14 Entryways/Walkways	✓	29 Entryways/Walkways	✓
15 Storage areas	✓	30 Porch Furniture	✓
		31 Security Cameras	✓

Inspected by: _____

Date: _____

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: November, 2019

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
 Outside and Inside Common Areas

		INSIDE		OUTSIDE		
1	Housekeeping			16	Unauthorized Vehicles	✓
2	Signage: paint/intact/clear view	✓		17	Parking Lot Striping	Needs Painting
3	Temperature control adequate	✓		18	Outer Walls	✓
4	Lighting Inside	✓		19	Porch	✓
5	Ceiling Tiles/Watermarkes	✓		20	Lighting Outside	✓
6	Hall Lighting	✓		21	Benches	✓
7	Emergency Lighting	✓		22	Lake Fountain	✓
8	Fire Extinguishers	✓		23	Doormats	✓
9	Floor Surfaces	✓		24	Windows	✓
10	Storage at Exits	✓		25	Parking Surfaces	✓
11	Security Alarm	✓		26	Excess Vegetation	✓
12	Kitchen Appliances	✓		27	Outer Door Locks	✓
13	Step Hazard Yellow Striping	✓		28	Debris/Trash	✓
14	Entryways/Walkways	✓		29	Entryways/Walkways	✓
15	Storage areas	✓		30	Porch Furniture	✓
				31	Security Cameras	✓

Inspected by: _____

Date: _____

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: December, 2019

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
 Outside and Inside Common Areas

		INSIDE	OUTSIDE
1	Housekeeping	✓	16 Unauthorized Vehicles ✓
2	Signage: paint/intact/clear view	✓	17 Parking Lot Striping <i>Needs Painting</i>
3	Temperature control adequate	✓	18 Outer Walls ✓
4	Lighting Inside	✓	19 Porch ✓
5	Ceiling Tiles/Watermarkes	✓	20 Lighting Outside ✓
6	Hall Lighting	✓	21 Benches ✓
7	Emergency Lighting	✓	22 Lake Fountain ✓
8	Fire Extinguishers	✓	23 Doormats ✓
9	Floor Surfaces	✓	24 Windows ✓
10	Storage at Exits	✓	25 Parking Surfaces ✓
11	Security Alarm	✓	26 Excess Vegetation ✓
12	Kitchen Appliances	✓	27 Outer Door Locks ✓
13	Step Hazard Yellow Striping	✓	28 Debris/Trash ✓
14	Entryways/Walkways	✓	29 Entryways/Walkways ✓
15	Storage areas	✓	30 Porch Furniture ✓
			31 Security Cameras ✓

Inspected by: _____

Date: 11/30/19

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: September 2017

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
 Outside and Inside Common Areas

	INSIDE	OUTSIDE
1 Housekeeping	/	16 Unauthorized Vehicles
2 Signage: paint/intact/clear view	/	17 Parking Lot Striping
3 Temperature control adequate	/	18 Outer Walls
4 Lighting Inside	/	19 Porch
5 Ceiling Tiles/Watermarkes	/	20 Lighting Outside
6 Hall Lighting	/	21 Benches
7 Emergency Lighting	/	22 Lake Fountain
8 Fire Extinguishers	/	23 Doormats
9 Floor Surfaces	/	24 Windows
10 Storage at Exits	/	25 Parking Surfaces
11 Security Alarm	/	26 Excess Vegetation
12 Kitchen Appliances	/	27 Outer Door Locks
13 Step Hazard Yellow Striping	/	28 Debris/Trash
14 Entryways/Walkways	/	29 Entryways/Walkways
15 Storage areas	/	30 Porch Furniture
		31 Security Cameras

Inspected by: _____

Date: _____

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: March 2017

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
Outside and Inside Common Areas

		INSIDE		OUTSIDE		
1	Housekeeping	/		16	Unauthorized Vehicles	/
2	Signage: paint/intact/clear view	/		17	Parking Lot Striping	Some
3	Temperature control adequate	/		18	Outer Walls	/
4	Lighting Inside	/		19	Porch	/
5	Ceiling Tiles/Watermarkes	/		20	Lighting Outside	Some
6	Hall Lighting	/		21	Benches	/
7	Emergency Lighting	/		22	Lake Fountain	/
8	Fire Extinguishers	/		23	Doormats	/
9	Floor Surfaces	/		24	Windows	/
10	Storage at Exits	/		25	Parking Surfaces	/
11	Security Alarm	/		26	Excess Vegetation	/
12	Kitchen Appliances	/		27	Outer Door Locks	/
13	Step Hazard Yellow Striping	/		28	Debris/Trash	/
14	Entryways/Walkways	/		29	Entryways/Walkways	/
15	Storage areas	/		30	Porch Furniture	/
				31	Security Cameras	/

Inspected by: [Signature]

Date: 3/19/17

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: August 2017

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
Outside and Inside Common Areas

		INSIDE		OUTSIDE	
1	Housekeeping			16	Unauthorized Vehicles
2	Signage: paint/intact/clear view			17	Parking Lot Striping
3	Temperature control adequate			18	Outer Walls
4	Lighting Inside			19	Porch
5	Ceiling Tiles/Watermarkes			20	Lighting Outside
6	Hall Lighting			21	Benches
7	Emergency Lighting			22	Lake Fountain
8	Fire Extinguishers			23	Doormats
9	Floor Surfaces			24	Windows
10	Storage at Exits			25	Parking Surfaces
11	Security Alarm			26	Excess Vegetation
12	Kitchen Appliances			27	Outer Door Locks
13	Step Hazard Yellow Striping			28	Debris/Trash
14	Entryways/Walkways			29	Entryways/Walkways
15	Storage areas			30	Porch Furniture
				31	Security Cameras

Inspected by: _____

Date: _____

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: June 2011

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE

Outside and Inside Common Areas

		INSIDE		OUTSIDE	
1	Housekeeping	/		16	Unauthorized Vehicles
2	Signage: paint/intact/clear view	/		17	Parking Lot Striping
3	Temperature control adequate	/		18	Outer Walls
4	Lighting Inside	/		19	Porch
5	Ceiling Tiles/Watermarkes	/		20	Lighting Outside
6	Hall Lighting	/		21	Benches
7	Emergency Lighting	/		22	Lake Fountain
8	Fire Extinguishers	/		23	Doormats
9	Floor Surfaces	/		24	Windows
10	Storage at Exits	/		25	Parking Surfaces
11	Security Alarm	/		26	Excess Vegetation
12	Kitchen Appliances	/		27	Outer Door Locks
13	Step Hazard Yellow Striping	/		28	Debris/Trash
14	Entryways/Walkways	/		29	Entryways/Walkways
15	Storage areas	/		30	Porch Furniture
				31	Security Cameras

Inspected by: _____

Date: 6/15/11

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: July 2017

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE

Outside and Inside Common Areas

		INSIDE		OUTSIDE		
1	Housekeeping	/		16	Unauthorized Vehicles	/
2	Signage: paint/intact/clear view	/		17	Parking Lot Striping	/
3	Temperature control adequate	/		18	Outer Walls	/
4	Lighting Inside	/		19	Porch	/
5	Ceiling Tiles/Watermarkes	/		20	Lighting Outside	/
6	Hall Lighting	/		21	Benches	/
7	Emergency Lighting	/		22	Lake Fountain	/
8	Fire Extinguishers	/		23	Doormats	/
9	Floor Surfaces	/		24	Windows	/
10	Storage at Exits	/		25	Parking Surfaces	/
11	Security Alarm	/		26	Excess Vegetation	/
12	Kitchen Appliances	/		27	Outer Door Locks	/
13	Step Hazard Yellow Striping	/		28	Debris/Trash	/
14	Entryways/Walkways	/		29	Entryways/Walkways	/
15	Storage areas	/		30	Porch Furniture	/
				31	Security Cameras	/

Inspected by: _____

Date: _____

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF: August 2017

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE

Outside and Inside Common Areas

		INSIDE		OUTSIDE		
1	Housekeeping	/		16	Unauthorized Vehicles	/
2	Signage: paint/intact/clear view	/		17	Parking Lot Striping	/
3	Temperature control adequate	/		18	Outer Walls	/
4	Lighting Inside	/		19	Porch	/
5	Ceiling Tiles/Watermarkes	/		20	Lighting Outside	/
6	Hall Lighting	/		21	Benches	/
7	Emergency Lighting	/		22	Lake Fountain	/
8	Fire Extinguishers	/		23	Doormats	/
9	Floor Surfaces	/		24	Windows	/
10	Storage at Exits	/		25	Parking Surfaces	/
11	Security Alarm	/		26	Excess Vegetation	/
12	Kitchen Appliances	/		27	Outer Door Locks	/
13	Step Hazard Yellow Striping	/		28	Debris/Trash	/
14	Entryways/Walkways	/		29	Entryways/Walkways	/
15	Storage areas	/		30	Porch Furniture	/
				31	Security Cameras	/

Inspected by: [Signature]

Date: 8/24/17

TOWN HALL OUTSIDE AND INSIDE COMMON AREAS AND INSIDE OFFICES

1501 Glen Road

SAFETY INSPECTION - MONTH OF:

GENERAL CONDITIONS/PREMISES OPERATIONS AND MAINTENANCE
 Outside and Inside Common Areas

		INSIDE		OUTSIDE	
1	Housekeeping			16	Unauthorized Vehicles
2	Signage: paint/intact/clear view			17	Parking Lot Striping
3	Temperature control adequate			18	Outer Walls
4	Lighting Inside			19	Porch
5	Ceiling Tiles/Watermarkes			20	Lighting Outside
6	Hall Lighting			21	Benches
7	Emergency Lighting			22	Lake Fountain
8	Fire Extinguishers			23	Doormats
9	Floor Surfaces			24	Windows
10	Storage at Exits			25	Parking Surfaces
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12	Kitchen Appliances			27	Outer Door Locks
13	Step Hazard Yellow Striping			28	Debris/Trash
14	Entryways/Walkways			29	Entryways/Walkways
15	Storage areas			30	Porch Furniture
				31	Security Cameras

Inspected by: _____

Date:

Part III.A.6. and Part III.A.7

**Pesticides, Herbicides and Fertilizer
Application
And
Illicits**



ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County

P.O. Box 3353, West Palm Beach, FL 33402-3353
 www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****

1466 MEDITERRANEAN RD E
 WEST PALM BEACH, FL 33406-5150

Serving you.

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0030 LAWN MAINTENANCE	MCDONALD JEFFREY R		U20.185229 - 12/30/19	\$49.50	B40196218

This document is valid only when receipted by the Tax Collector's Office.

**STATE OF FLORIDA
 PALM BEACH COUNTY
 2019/2020 LOCAL BUSINESS TAX RECEIPT**

GREEN WORKS OF THE PALM BEACHS INC
 GREEN WORKS OF THE PALM BEACHS INC
 1466 MEDITERRANEAN RD E
 WEST PALM BEACH, FL 33406-5150

**LBTR Number: 199902803
 EXPIRES: SEPTEMBER 30, 2020**

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and **MUST** be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

RECEIVED
 JAN 22 2020
 BY: _____

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

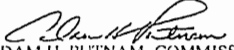
Date	File No.	Expires
October 31, 2018	JE200086	October 31, 2019

THE ID CARD HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
October 31, 2019 AT

ERTLE EXTERMINATING
LANTANA, FL 33462-3129

Regular

JACK MICHAEL SMITH
ERTLE EXTERMINATING
911 W BROWARD STREET
LANTANA, FL 33462-3129


ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
June 7, 2019	JF3965	June 1, 2020

THE CERTIFIED PEST CONTROL OPERATOR NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: June 1, 2020

LAWRENCE ROY ERTLE
911 W. BROWARD STREET
LANTANA, FL 33462

General Household Pest and
Rodent Control


NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

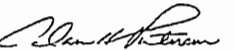
Date	File No.	Expires
October 31, 2018	JE674	October 31, 2019

THE ID CARD HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
October 31, 2019 AT

ERTLE EXTERMINATING
LANTANA, FL 33462-3129

Certified Operator

LAWRENCE ROY ERTLE
ERTLE EXTERMINATING
911 W BROWARD STREET
LANTANA, FL 33462-3129


ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
October 31, 2018	JB1797	October 31, 2019

THE PEST CONTROL COMPANY FIRM NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: October 31, 2019 AT

911 W BROWARD STREET
LANTANA, FL 33462-3129

General Household Pest and
Rodent Control

ERTLE EXTERMINATING
911 W BROWARD STREET
LANTANA, FL 33462-3129


ADAM H. PUTNAM, COMMISSIONER



CERTIFICATE OF LIABILITY INSURANCE

OP ID: GL

DATE (MM/DD/YYYY)

01/29/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER ARDEN INSURANCE ASSOCIATES 525 W. LANTANA RD. LANTANA, FL 33462-1625 KENN NORBERG, PRESIDENT	CONTACT NAME: KENN NORBERG		
	PHONE (A/C, No, Ext): 561-582-4101	FAX (A/C, No): 561-586-8061	
	E-MAIL ADDRESS: knorberg@ardeninsurance.com		
	PRODUCER CUSTOMER ID #: ERTLE-1		
INSURED ERTLE EXTERMINATING LARRY ERTLE 911 WEST BROWARD STREET LANTANA, FL 33462	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A:	GRANADA INSURANCE COMPANY	16870
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			0185FL00006389	02/02/2018	02/02/2019	EACH OCCURRENCE	\$ 500,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 1,000
							PERSONAL & ADV INJURY	\$ 500,000
							GENERAL AGGREGATE	\$ 500,000
							PRODUCTS - COMP/OP AGG	\$ 500,000
								\$
								\$
								\$
								\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
	ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS						BODILY INJURY (Per accident)	\$
	SCHEDULED AUTOS						PROPERTY DAMAGE (PER ACCIDENT)	\$
	HIRED AUTOS							\$
	NON-OWNED AUTOS							\$
	UMBRELLA LIAB		OCCUR				EACH OCCURRENCE	\$
	EXCESS LIAB		CLAIMS-MADE				AGGREGATE	\$
	DEDUCTIBLE							\$
	RETENTION \$							\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATUTORY LIMITS	OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N				E.L. EACH ACCIDENT	\$
	If, as describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
EXTERMINATOR

CERTIFICATE HOLDER

FLORI03

FLORIDA DEPT OF AGRICULTURE & CONSUMER SERVICES-BUREAU OF ENTOMOLOGY & PEST CONTROL
 3125 CONNER BLVD, STE.N, MS C-41
 TALLAHASSEE, FL 32399-1650

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2009 ACORD CORPORATION. All rights reserved.

LOCAL BUSINESS TAX RECEIPT
TOWN OF LANTANA, FLORIDA

RECEIPT NUMBER: 03-8900280

EFFECTIVE DATE:

01/24/2003

EXPIRATION DATE:

09/30/2019

ERTLE EXTERMINATING

911 W. BROWARD ST.

LANTANA, FL 33462-3129

BUSINESS LOCATION:

911 W BROWARD ST

LANTANA, FLORIDA 33462-3129

NAME OF BUSINESS

ERTLE EXTERMINATING

BUSINESS CLASSIFICATION:

014A - HOME BASED BUSINESS

BUSINESS TYPE:

014A - HOME BASED BUSINES

OWNERSHIP TYPE:

SOLE PROPRIETORSHIP

SPECIAL CONDITIONS

THIS RECEIPT EXPIRES AS SPECIFIED ABOVE

TO AVOID PENALTIES PLEASE RENEW ON OR BEFORE SEPTEMBER 30, 2017

BUSINESS TO BE CONDUCTED IN CONFORMITY WITH AND SUBJECT TO THE PROVISIONS
OF THE ORDINANCES OF THE TOWN OF LANTANA AND THE LAWS OF THE
STATE OF FLORIDA.

THIS RECEIPT MUST BE POSTED IN A CONSPICUOUS PLACE



Stormwater and Me!

Keep pollution out of our waters



Home

Home

How Can I Help?

Outreach Materials

Other Stormwater Tips

Links

Contact Us

What is stormwater runoff?

Stormwater runoff results when rain falls on surfaces that cannot absorb it (like pavement or rooftops, or ground that is already saturated from rain) and flows overland toward stormwater inlets, swales, ditches, canals, lakes, wetlands, or coastal waters.



Land waste does not belong in the stormwater system!

Why is it a pollution problem?

As stormwater runoff flows over land, it can pick up debris, chemicals, dirt, and other pollutants and carry these unwanted items into nearby waterways. Even if the runoff enters a stormwater system, much of it is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people. Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment can also destroy aquatic habitats and harm organisms. Excess nutrients can cause algae blooms. When algae die, they decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with dissolved oxygen levels that are too low. Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.



Only stormwater belongs in a storm drain!

What's it got to do with ME?

Most of the unwanted pollutants that end up on our waterbodies come from human activities. We litter. We throw or dump things into storm drains. We fail to pick up after our pets. We over-fertilize and over-water. We blow or sweep leaves and grass clippings into the streets and/or swales. These activities, and many more, result in personal pollution that you can help prevent!!

Visitors to site:
80881966

A cooperative public education program of the Palm Beach County municipal stormwater systems group



- [Home](#)
- [How Can I Help?](#)
- [Outreach Materials](#)
- [Other Stormwater Tips](#)
- [Links](#)
- [Contact Us](#)

Who to call

Below is a list of contacts to report an illicit discharge or illegal dumping.

Atlantis, City of
Monday thru Friday - City Hall - (561) 965-1744
Police Department (24/7) (561) 965-1700

For any website related issues please contact Brian Einkauf at 561-663-3413 x256 or by email.

Belle Glade, City of
Public Works Department - (561) 992-2216

Boca Raton, City of
Anthony Puerta - (561) 416-3402

Boynton Beach, City of
Louis Johnson - (561) 742-6400

Cloud Lake, Town of
Dorothy Gravelin (561) 686-2815

Delray Beach, City of
Code Enforcement - (561) 243-7219

FDOT - District Four
FDOT (Palm Beach) (561) 432-4966

FDOT - Turnpike District
Jeremiah Marek - NPDES Coordinator
(954) 934-1213

Glen Ridge, Town of
Town Manager (561) 697-8868

Greenacres, City of
Michael Grimm (561) 642-2052

Gulf Stream, Town of
William Thrasher (561) 276-5116

Haverhill, Town of
Joseph Roche (561) 689-0370, x-23

Highland Beach, Town of
Public Works Department - (561) 243-2084

Hypoluxo, Town of
Town Clerk - (561) 582-0155

Indian Trail Improvement District
Henry Shaw - (561) 721-4832

Juno Beach, Town of
Anthony Meriano - (561) 656-0310

Jupiter, Town of
David Rotar - Field Manager
(561) 748-2705

Jupiter Inlet Colony, Town of
John Pruitt (561) 746-3787

Lake Clarke Shores, Town of
Kevin Varney - Public Works
(561) 642-7870

Lake Park, Town of
David Hunt
(561) 881-3300

Lake Worth, City of
Public Service Administration
(561) 586-1720

Lantana, Town of
Jerry Darr (561) 540-5758

Manalapan, Town of
Bob Donovan - (561) 383-2544 - After Hours (561) 585-4030

Mangonia Park, Town of
Tel: (561) 848-1235 Fax: (561) 848-6940

Northern Palm Beach County Improvement District
(561) 624-7830 (Leave Detailed Message - Call Will Be Directed)

North Palm Beach, Village of
Code Enforcement - (561) 841-3363
After Hours - (561) 848-2525

Ocean Ridge, Town of
Police Dept. - (561) 732-8331

Pahokee, City of
Public Services Department (561) 924-7685
City Hall (561) 924-5534

Palm Beach, Town of
Doug Terry, Division Manager (561) 227-7019 or (561) 838-5440

**Palm Beach County Department of Environmental Resources
Management**
Department of Environmental Resources Management - (561) 233-2400

Palm Beach Gardens, City of
Todd Engle - (561) 804-7012

Palm Beach Shores, Town of
Walt Fleming (561) 844-3457

Palm Springs, Village of
Drew K. Verellen - (561) 434-5122

Riviera Beach, City of
Jevon White - Stormwater Supervisor
(561) 845-4080

Royal Palm Beach, Village of
Public Works Department - (561) 790-5122

South Bay, City of
Edgar Kerr - (561) 261-6576

South Indian River WCD
Michael Dillon - (561) 747-0550

South Palm Beach, Town of
Town Manager - (561) 588-8889

Tequesta, Village of
Russell White - (561) 768-0480

Wellington, Village of

Mitch Fleury - (561) 791-4140

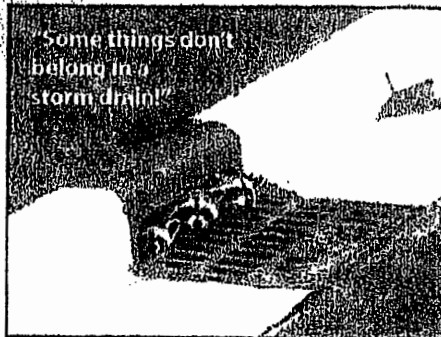
West Palm Beach, City of
Operations and Maintenance Superintendent
(Monday-Friday 7:00am - 3:30pm) - (561) 822-2185
Central Dispatch (561) 822-2210

A cooperative public education program of the Palm Beach County municipal stormwater systems group

Only stormwater belongs
in a storm drain

These are some things that should not be discharged to or placed in a stormwater system:

- Leaves or grass clippings
- Wash water with detergents
- Fertilizers, herbicides, or pesticides
- Paints, oils, or solvents
- Sediment or debris



How you can help...

If you suspect a discharge or spill is hazardous, call 911!

For all other discharges, spills and illegal dumping, do one of the following:

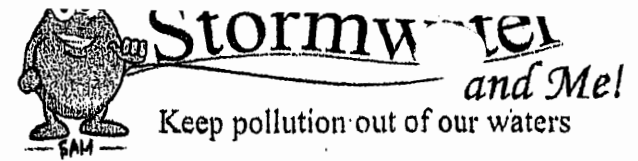
Call the local entity responsible for the stormwater system.
(A reporting list may be found at www.StormwaterAndMe.org).

Call the FDEP Environmental Crimes toll-free number:
1-877-2-SAVE-FLA
(1-877-272-8335)
or #DEP from your cellular phone.



A cooperative public education program
of the Palm Beach County Municipal
Stormwater Systems Group

www.StormwaterAndMe.org

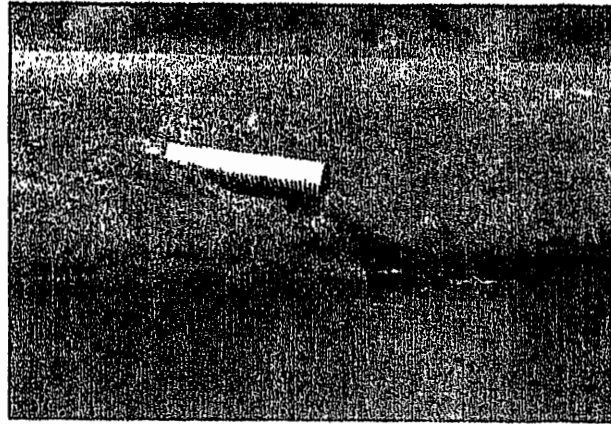


Reporting Illegal Dumping
and
Illicit Discharges

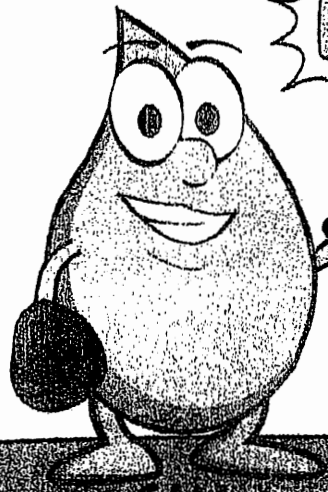
Did you know...

Stormwater is the excess rainfall that isn't absorbed into the ground and runs off to nearby lakes, canals, the Intracoastal Waterway, and the ocean. Along the way, it can pick up debris, chemicals, dirt and other pollutants and carry them into our surface waters. Much of this stormwater receives little or NO treatment! That means that what goes in, comes out, in to the waters we use for fishing, boating and swimming.

Intentional dumping and discharging into stormwater systems, as well as accidental spills that could enter the system should be reported immediately so remedial action can be taken by the proper response team.



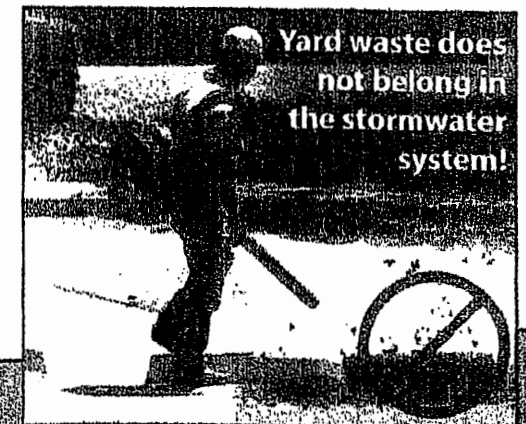
K'POW!



Keep Pollution
Out of our Waters!

Why it Matters

- **Debris** can be harmful to wildlife
- **Nutrients** (from leaves, grass, fertilizers, pesticides and herbicides) can lead to fish kills and excessive amounts of algae in the water
- **Bacteria** (from pet waste and dead animals) can produce health concerns
- **Sediment** can reduce the system's ability to handle potential flooding and adversely affect aquatic organisms
- **Chemicals, oils, and paints** can be toxic to plants and animals



HOW CAN YOU REDUCE POLLUTED RUNOFF?

- MAINTAIN YOUR SWALE
 - Mow the swale but be careful to not damage swale blocks.
 - Remove and then compost leaves and grass clippings.
 - Keep good grass growth.
 - Minimize use of fertilizers, pesticides, and herbicides.
 - Aerate soils to restore percolation rate
- DO NOT MISUSE YOUR SWALE
 - Do not pile garbage, trash, leaves, limbs or garden debris in swales - this adds pollutants which can wash into downstream waters.
 - Do not pave the swale - this reduces percolation of runoff.
 - Do not park vehicles in the swale - this compacts the soil so less runoff soaks in.
- LET THE WATER POND
 - Runoff should temporarily pond in the swale for 24 to 36 hours.
 - Don't damage or remove swale blocks or check dams
 - Don't increase driveway culvert sizes.
 - Don't lower driveway culverts.

• ADD SWALES TO YOUR YARD

- Waterfront property owners should build a swale and berm system to intercept runoff and pollutants from their yard.
- Swales can be used between lots and at the rear of lots to intercept and retain runoff.
- Swales can be used on residential and commercial land uses to collect roof runoff.

• TALK TO ELECTED OFFICIALS

- Help "Save the Swales". Local regulations often require the use of curbs and storm sewers and prohibit the use of swales. Why should they?
- Don't complain when water ponds in the swale for 24 to 36 hours - mosquitos won't breed until water ponds for 72 hours or longer.
- Let local officials know if water ponds so long that swale vegetation begins to die.

IF YOU WANT MORE INFORMATION ABOUT SWALES AND STORMWATER TREATMENT, CONTACT:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Stormwater/Nonpoint Source Management Section
2600 Blairstone Road, Tallahassee, FL 32399
Phone: 850/921-9472

SAVE

THE



SWALES

WHY MANAGE RUNOFF?

When land is converted from its natural state to other uses, especially urban land uses such as roads, homes, and shopping centers, many impervious or paved surfaces are created. Rainfall can no longer soak into the ground. Instead it becomes stormwater or runoff.

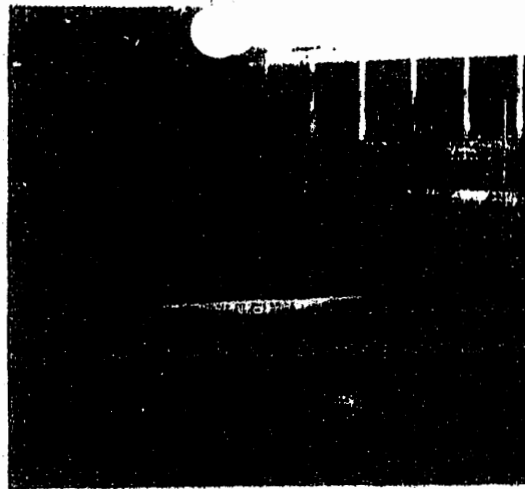
As land is developed the volume, speed of flow, and pollutant loading of runoff increases. To minimize downstream flooding and protect lives and property, and to reduce pollution of water bodies, stormwater management practices are used to retain, detain, and/or filter the runoff.

WHAT IS A SWALE?

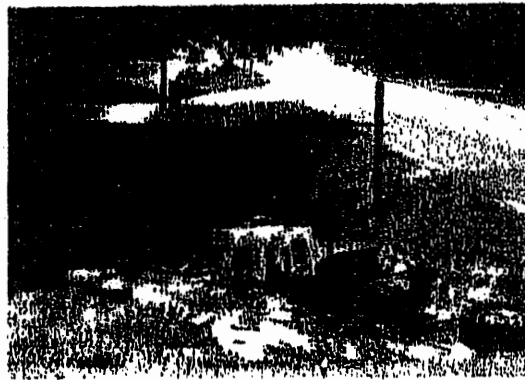
Swales are one of the most commonly used stormwater practices. For many years they have been used along rural highways and residential streets to convey runoff. Today, swales not only convey stormwater but also help to treat runoff to reduce pollutants.

Like ditches, swales collect stormwater from roads, driveways, parking lots and other hard surfaces.

Unlike ditches, swales are not deep with straight sides. They have gently sloping sides and are wider than they are deep.



Swale with a swale block



Trash in swale



Swale and berm system

They are vegetated to prevent the slopes from eroding and to help filter pollutants during and after rainstorms.

WHY ARE SWALES IMPORTANT?

Because swales are wider than they are deep (usually a 6:1 ratio), the rainwater is spread over a broader area. This slows the water and allows the runoff to temporarily pond.

Reducing the water's speed allows the vegetation to filter the rainwater and remove sediments, heavy metals and hydrocarbons such as oil and grease.

Ponding of runoff in the swale allows the water to soak into the soil, helping to reduce the volume and amount of pollutants.

The gradual sloping sides of the swale make them easier to maintain and vegetate. This decreases erosion that causes sedimentation of streams, lakes and wetlands.

Swale blocks or raised driveway culverts sometimes are used to promote ponding of runoff in the swale, especially when the swale has a steep slope. Swale blocks or check dams can be made of soil, wood, or concrete.

Household Hazardous Waste At A Glance

- ◆ Antifreeze
- ◆ Used Motor Oil & Filters
- ◆ Auto & Rechargeable batteries
- ◆ Fluorescent light bulbs
- ◆ Propane tanks (household size)

are accepted daily at all transfer stations.

All other household hazardous wastes are accepted during scheduled collection times listed on reverse.

USED OIL

Other Used Oil drop-offs can be located by calling
1-800-741-4DEP.

BATTERIES

Rechargeable batteries require proper disposal. Drop them off at transfer stations or return to a participating retailer take back program.

Alkaline and non rechargeable batteries can be thrown away in your garbage.

When purchasing a new auto battery the retailer must take your old battery.

PAINT

Latex paint (water based) can be dried out and thrown away in your garbage. Remove lid - add sand, cat litter, or saw dust - leave uncovered.

Aerosol spray cans can be sprayed until empty then placed in your garbage.

SHARPS

The Palm Beach County Dept. of Health has a Used Sharps Depository Program for proper disposal of used needles.

For information and locations call 355-3015.

Household Hazardous Waste Collection Schedule

First Saturday of Every Month

North County Transfer Station

7:00 am - 2:00 pm

14185 Military Trail

Jupiter

Second Saturday of Every Month

Household Hazardous Waste Collection Facility

7:00 am - 2:00 pm

6161 North Jog Road

West Palm Beach

Third Saturday of Every Month

South County Transfer Station

8:00 - 12:00 pm

BY APPOINTMENT ONLY

1901 SW 4th Avenue

Delray Beach

Fourth Saturday of Every Month

West Central Transfer Station

7:00 am - 2:00 pm

9743 Fairgrounds Road

Royal Palm Beach

Fourth Monday of Jan, Apr, July & Oct

Glades Regional Transfer Station

9:00 am - 12:00 pm

1701 State Road 15

Belle Glade

Monday Through Friday

Household Hazardous Waste Collection Facility

9 am - 5 pm

6161 North Jog Road

West Palm Beach

For additional information or to schedule an
appointment call The Solid Waste Authority

561-697-2700

**HOUSEHOLD
HAZARDOUS
WASTE**

Approximately half of the household hazardous waste products delivered to the SWA's household hazardous waste facilities is recycled. The remainder is properly processed for off-site disposal.

For more information about the proper usage, storage, and disposal of other commonly-used household hazardous waste products call the Solid Waste Authority at 697-2700 or 930-ASAP. Ask for a FREE information kit, available to Palm Beach County residents which includes an in-home audit form to help you identify potentially hazardous waste materials in your home.



**Household Hazardous Waste
Collection Schedule**

Monday Through Friday

9 a.m. - 5 p.m.

SWA's Household Hazardous Waste Collection Facility
6161 North Jog Road
West Palm Beach

First Saturday of Every Month

7 a.m. - 3 p.m.

North County Transfer Station
14185 Military Trail
Jupiter

Second Saturday of Every Month

7 a.m. - 3 p.m.

SWA's Household Hazardous Waste Collection Facility
6161 North Jog Road
West Palm Beach

Third Saturday of Every Month

8 a.m. - 12 p.m.

By Appointment Only
South County Transfer Station
1901 SW 4th Avenue
Delray Beach

Fourth Saturday of Every Month

9 a.m. - 12 p.m.

West Central Transfer Station
9743 Fairgrounds Road
Royal Palm Beach

*For additional information
call the Hazardous Waste Hotline:
561-697-2700*



Printed on recycled paper

**TAKE A LOOK.
Do you have these
items in your home?**

**FLUORESCENT
BULBS**

**POOL
CHEMICALS**

ANTIFREEZE

**USED
MOTOR OIL**

**RECHARGEABLE
BATTERIES**

SYRINGES

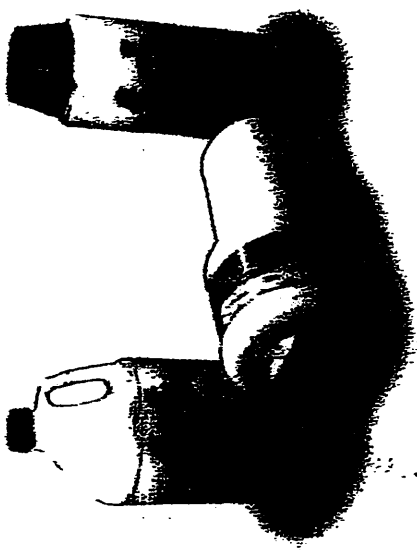
PESTICIDES

PAINT



**IF YOU DO,
look inside...**

If you clean
your own pool...



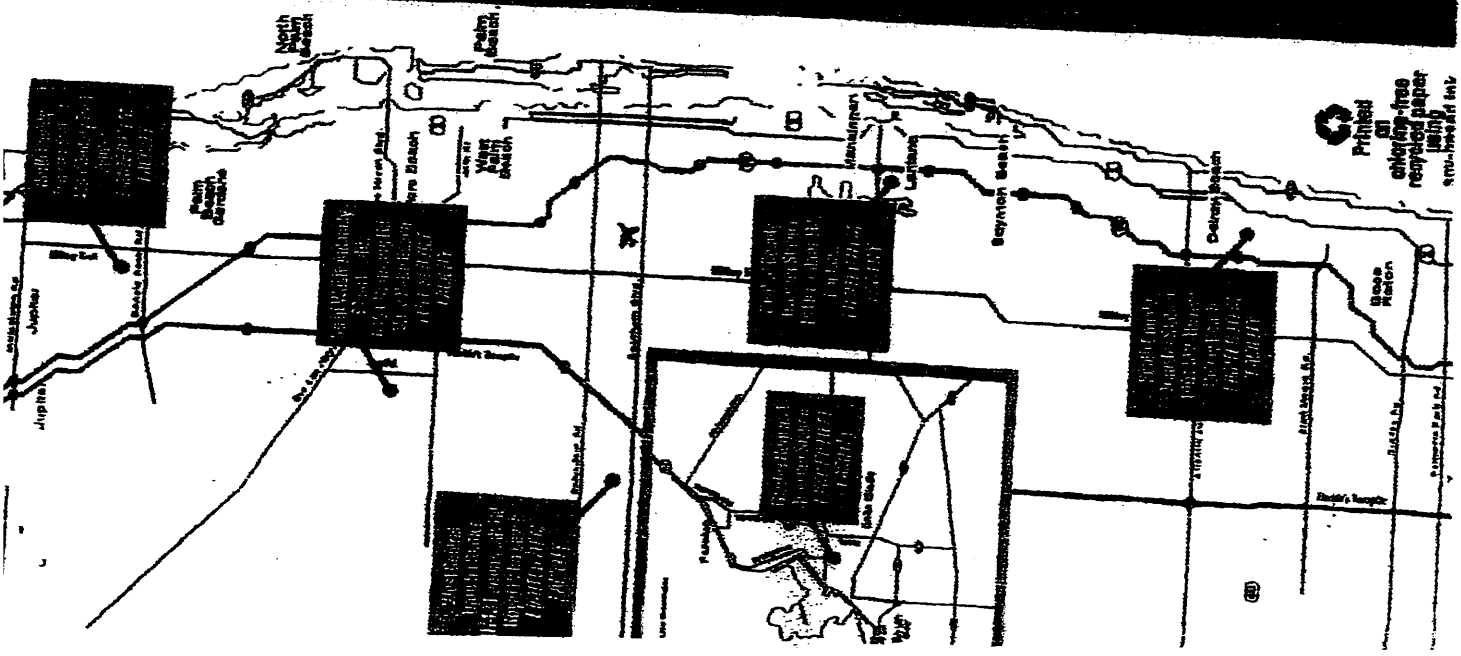
You should know that pool
chemicals need proper disposal.
So, have fun in the sun, but
remember--buy only the amount
you need and if you have to
dispose of any unused pool
chemicals, please take the
time to do it right.

**PREVENT
HOUSEHOLD
HAZARDOUS
WASTE**

Approximately 30% of the household
hazardous waste products delivered
to the SWA's hazardous waste incineration
wash facilities is recovered. The
remainder is properly disposed in a
specialized site disposal.

For more information on about the
proper handling, storage, and disposal
of other commonly found household
hazardous waste products, call
the Solid Waste Authority at
697-2700 or 930-ASAP. Ask for
detailed information kit which includes
an 11 page manual to help you
identify potentially hazardous waste
products in your home.

**YOUR POLYMER
PROVE TO BE
GOOD FOR BUSINESS
AND DISPOSING
OF POOL**

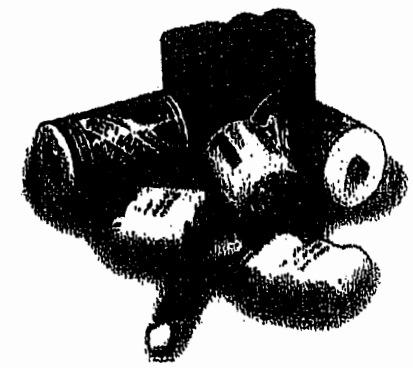
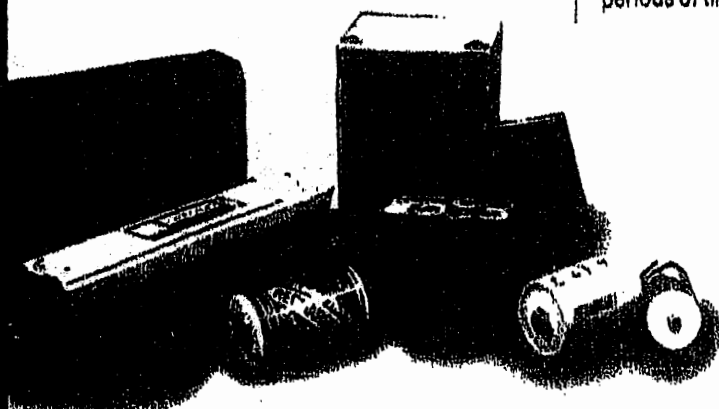


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chlorine-free
recycled paper
with
SWA-Recycle Inc.

and disposing of household batteries:

...to children's toys. The common household battery is the power source of choice for most portable household products. And, if you choose rechargeable batteries as a power source for all of your portable household products such as telephones, laptop computers, camcorders, and electric drills, you reduce overall battery waste. For example, some rechargeable batteries can recharge up to 1,000 times. Users may simply recharge and reuse them, instead of continually buying new batteries. But once they are no longer useful, rechargeable batteries need special handling because they contain heavy metals which are pollutants if they enter the disposal system. Rechargeable Ni-Cd (Nickel Cadmium) batteries are believed to be the largest contributor of cadmium to the municipal solid waste stream according to the Florida Department of Environmental Protection.

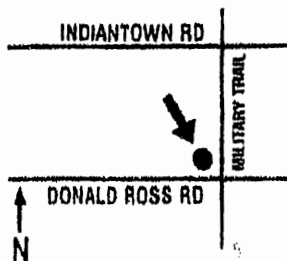
PRODUCT	PROPER USE	PROPER STORAGE	POSSIBLE ALTERNATIVES	PROPER DISPOSAL
Alkaline, heavy duty batteries.	Read and follow manufacturer's directions for proper usage.	Store in a clean, dry place to help extend shelf-life.	Other power options include rechargeable batteries, solar, electric or gas alternatives.	Dispose in regular garbage.
Rechargeable batteries and battery packs.	Read and follow manufacturer's directions for proper usage.	Store non-working batteries for disposal in a cool, dry place away from flammable material. Batteries should not be stored for extended periods of time.	Non-rechargeable batteries with limited life expectancy. Other power sources (solar, electric, gas).	Deliver to a Solid Waste Authority (SWA) household hazardous waste facility. This service is available and free to Palm Beach County residents.



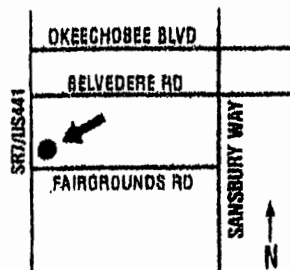
**PREVENT
HOUSEHOLD
HAZARDOUS
WASTE**



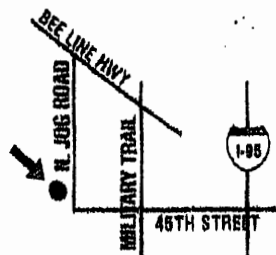
M ay - Friday 7 am - 4:30 pm • Saturday 7 am - noon



North County Transfer Station
14185 Military Trail
Jupiter

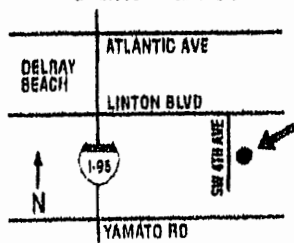


West Central Transfer Station
9743 Fairgrounds Road
Royal Palm Beach



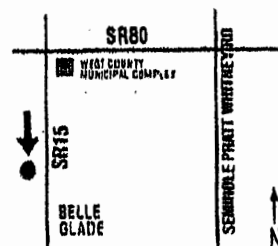
Household Hazardous Waste Collection Facility
8161 North Jog Road
West Palm Beach

Third Saturday of Every Month
(by appointment call 561-687-1100)
8 am - noon



South County Transfer Station
1901 SW 4th Avenue
Delray Beach

Please Call For Hours



Glades Regional Transfer Station
1701 State Road 15
Belle Glade



HOUSEHOLD HAZARDOUS WASTE AT-A-GLANCE



Households Only - No Businesses
For additional information call the Solid Waste Authority at 561-697-2700



USED OIL & FILTERS

Oil and petroleum products can pollute ground and surface waters. Take used oil to a HHW drop-off area or call 1-800-741-4DEP to find a participating, public used-oil collection center.



ANTIFREEZE

Antifreeze is especially toxic to animals. Take to a HHW drop-off area.



PAINT

Liquid paints can cause big messes when mixed with trash as some paints are flammable or contain toxic metals. Take to a HHW drop-off area. Alternatively, latex paint can be dried out and thrown away with your household garbage. Remove lid and add sand, cat litter or sawdust to absorb liquid. Leave uncovered in garbage.



PESTICIDES

Use as directed or take to a HHW drop-off area. Empty pesticide containers can be thrown away with household garbage.



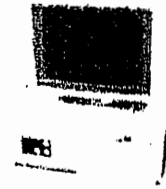
GAS CYLINDERS

Propane and other flammable gases can cause explosions or fires when disposed in the garbage. Take to a HHW drop-off area or propane dealer.



FLARES

Marine and roadside flares can cause fires when disposed in the garbage. Take to a HHW drop-off area.



ELECTRONICS

Electronics – such as computers, printers, cell phones and stereos – contain many recyclable materials and small amounts of toxic materials. Take to a HHW drop-off area. Five or more computers may be considered commercial.



HOUSEHOLD BATTERIES

Rechargeable batteries contain toxic metals and can be recycled. Call 1-800-8-BATTERY for a participating drop-off retailer or take to a HHW drop-off area. Non-rechargeable batteries, such as alkaline, can be thrown away with household garbage.



AUTO BATTERIES

Automotive and vehicle batteries contain large amounts of lead and acids. Take to an auto parts retailer or to a HHW drop-off area.



MERCURY AND FLUORESCENT LIGHTS

All fluorescent lights and some thermometers, float switches and thermostats contain mercury. Mercury is a toxic metal that bio-accumulates in fish and animals in the environment. Take to a HHW drop-off area.



SHARPS

Needles and other medical wastes are not accepted at SWA HHW facilities. The Palm Beach County Health Department has a Used Sharp Depository program. Call 561-355-3018 for more information.

For more information about the proper disposal of household hazardous waste, please call 561-697-2700 or visit our website at [www.swa.org].

Palm Beach County NPDES

Northern Palm Beach County Improvement District
 359 Hiatt Drive
 Palm Beach Gardens, FL 33418
 www.pbco-npdes.org

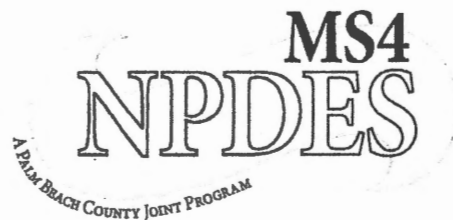


NPDES STEERING COMMITTEE MEETING SIGN-IN SHEET MARCH 21, 2018

	NAME	REPRESENTING/TITLE	TELEPHONE NO.
15	Paul Robinson	CITY OF BOCA RATON	561 239 0904
16	Elsa Teller	CITY OF BOCA RATON	561 486 0884
17	Russ Smith	VILLAGE OF TERRESTA	(708) 763-0492
18	Jay Fox	LES, HH, HPL, ITM, TSPS	242-0028
19	[Handwritten]	[Handwritten]	[Handwritten]
20	[Handwritten]	[Handwritten]	[Handwritten]
21	Michelle St. Paul	CITY OF FORT LAUDERDALE	799-4255
22	[Handwritten]	[Handwritten]	[Handwritten]
23	[Handwritten]	[Handwritten]	[Handwritten]
24	[Handwritten]	[Handwritten]	[Handwritten]
25	[Handwritten]	[Handwritten]	[Handwritten]
26	[Handwritten]	[Handwritten]	[Handwritten]
27	[Handwritten]	[Handwritten]	[Handwritten]
28	[Handwritten]	[Handwritten]	[Handwritten]

Palm Beach County NPDES

Northern Palm Beach County Improvement District
 359 Hiatt Drive
 Palm Beach Gardens, FL 33418
 www.pbco-npdes.org



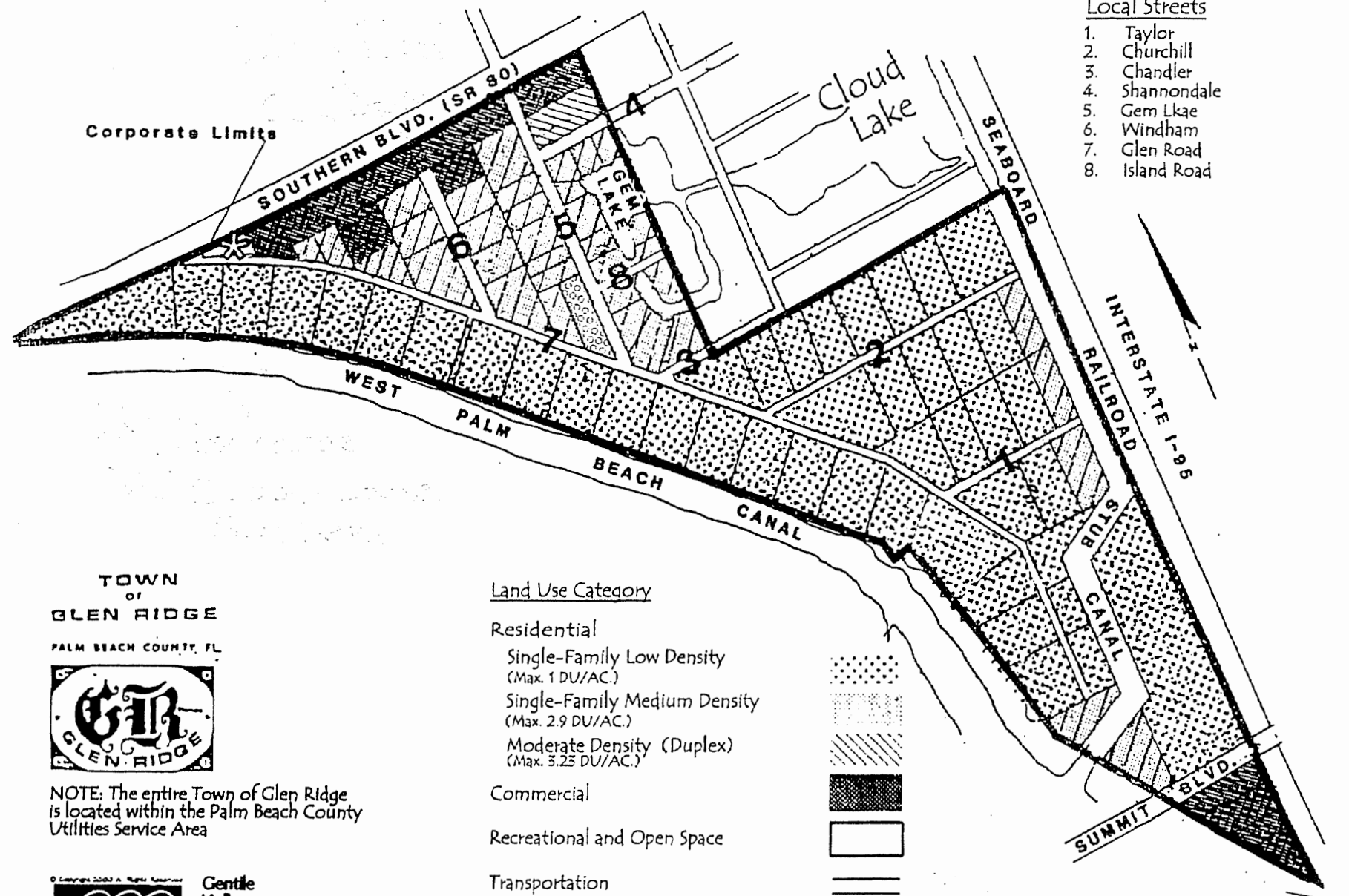
NPDES STEERING COMMITTEE MEETING SIGN-IN SHEET MARCH 21, 2018

	NAME	REPRESENTING/TITLE	TELEPHONE NO.
29	ERIC VINCENT	NPBCID	624-7830
30	RAUQUE E. CROSS	NPBCID	624-7830
31	ROSE COCHRAN	NPBCID	718-7575
32	John Deak	City of Boca Raton	561-994-4064
33	Peter T. Murphy	Town of Lake Park	561-881-3345
34	Tracy K. ...	NPBCID	561-660-2195
35	Jorge Santos	NPBCID	561-624-7830
36	Cross Keith	NPBCID	561-660-2195
37	MARYORI VELASCO	Equinity Group	561-655-1151
38	Rich Deak	Town of Juno	
39	Liz Rubin	Town of Hypocent	561-721-1600
40	Paul Baker	City of Boca	954-778-2018
41	ROBERT SETY	PBCID	561-799-4514
42	DON PRINCE	PBCID	561-799-4521

Others

Local Streets

1. Taylor
2. Churchill
3. Chandler
4. Shannondale
5. Gem Lake
6. Windham
7. Glen Road
8. Island Road



TOWN
OF
GLEN RIDGE
PALM BEACH COUNTY, FL



NOTE: The entire Town of Glen Ridge is located within the Palm Beach County Utilities Service Area



Gentle
Holloway
O'Mahoney
& Associates, Inc.
LANDSCAPE ARCHITECTS
PLANNERS AND
ENVIRONMENTAL CONSULTANTS

Source:

Land Use Category

- Residential
 - Single-Family Low Density (Max. 1 DU/AC.)
 - Single-Family Medium Density (Max. 2.9 DU/AC.)
 - Moderate Density (Duplex) (Max. 3.25 DU/AC.)
- Commercial
- Recreational and Open Space
- Transportation
- Conservation
- Public Buildings and Grounds

