

Town of Cloud Lake
October 1, 2018 to September 30, 2019
Year 3, Cycle 4
FY 18/19 Log

Prepared by the Town of Cloud Lake
and JLH 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 Cloud Lake		
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): 10/01/18/ through 9/30/19		
F.	Name of the Responsible Authority: W. Patrick Slatery		
	Title: Mayor		
	Mailing Address: 100 Lang Road		
	City: Cloud Lake	Zip Code: 33406	County: Palm Beach
	Telephone Number: (561) 686-2815		Fax Number: (561) 683-5120
E-mail Address: townofcloudlake@msn.com			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Dorothy C. Gravelin		
	Title: Town Clerk		
	Department: Clerk's Office		
	Mailing Address: 100 Lang Road		
	City: Cloud Lake	Zip Code: 33406	County: Palm Beach
	Telephone Number: (561) 686-2815		Fax Number: (561) 683-5120
E-mail Address: townofcloudlake@msn.com			

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)

A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable (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 Cloud Lake 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: \$ 18,794
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 15,258
C.	<p>Did the current reporting year resources decrease from the previous year? _ Y <u>X</u> N If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>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):

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 Joint Annual Report and Attachment 1 - 'Town of Cloud Lake 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 Cloud Lake 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): W. Slatery

Title: Mayor

Signature:  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			
Roadway Grass Conveyance Swales (miles)		1.6	1	100	0	100	Roadway Grass Swale- Structural Control Inspection Form	Dorothy Gravelin/Town Clerk	FY 18/19 Log
Non-Roadway Grass Conveyance Swales (linear feet)		336	1	100	0	100	Non-Roadway Grass Swale- Structural Control Inspection Form	Town Clerk	FY 18/19 Log
Wet Detention Systems		2	2	100	0	100	Wet Detention System- Structural Control Inspection Form	Town Clerk	FY 18/19 Log
Stormwater Pump Stations		1	2	100	0	100	Stormwater Pump Station #1- Structural Control Inspection Form	Town Clerk	FY 18/19 Log
Major Stormwater Outfalls		2	2	100	0	100	Major Stormwater Outfalls #1 & 2- Structural Control	Town Clerk	FY 18/19 Log

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
	Floodgate						Inspection Form			
		1	1	100	0	100	Control Structure #1 Inspection Procedure/ Checklist Form	Town Clerk	FY 18/19 Log	
		Pipes/Culverts (linear feet)	90	2	100	0	100	Pipes/Culverts- Structural Control Inspection Form	Town Clerk	FY 18/19 Log
		Inlets/Catch Basins/Grates	3	3	100	0	100	Inlets/Catch Basins/Grates #1,2 & 3 Structural Control Inspection Form	Town Clerk	FY 18/19 Log
		<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>	See above					All documentation listed above	Town Clerk	All minimum inspections met or exceeded

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Structural controls in good operating condition requiring minimal maintenance at the present time.				
	Limitations: None identified				
	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	1	Site Plan Review Procedures contained in Stormwater Management Plan (SWMP)	Town Clerk; Planning Consultant; Engineer; Town Attorney	
	Number of significant development projects approved	0	Site Plan Review Procedures contained in the Stormwater Management Plan (SWMP)	Town Clerk	Development project is pending future action
	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: The Town of Cloud Lake is primarily developed as a low density residential community that is nearly built-out; commercial zoned parcels are currently vacant and undeveloped.				
	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>				

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
	PERMITTEE Litter Control: Frequency of litter collection	12	Monthly Inspection Checklist Sheets	Town Clerk	Individual property owners are responsible for litter and trash removal in the swale areas as part of the roadway swale maintenance program; FY 18/19 Log
	PERMITTEE Litter Control: Estimated amount of area maintained (miles)	1.6	Town Map	Town Clerk	
	PERMITTEE Litter Control: Estimated amount of litter collected (bags)	2	Monthly Inspection Checklist Sheets	Town Clerk	
	CONTRACTOR Litter Control: Frequency of litter collection	0			No private contractor
	CONTRACTOR Litter Control: Estimated amount of area maintained (linear feet)	0			N/A
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0			N/A
OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".					
	Trash Pick-up Events: Total miles cleaned	0			No program needed; all local streets
	Trash Pick-up Events: Estimated amount of litter collected (cubic yards)	0			No program needed; all local streets
	Adopt-A-Road: Total miles cleaned	0			No program needed
	Adopt-A-Road: Estimated amount of litter collected (cubic yards)	0			No program needed
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.					

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	
	Frequency of street sweeping	0			No street sweeping; the Town roadway system is entirely served by grass swales; there are no curb and gutters	
	Total miles swept	0			N/A	
	Estimated quantity of sweeping material collected (cy / tons)	0			N/A	
	Total phosphorous loadings removed (pounds)	0			N/A	
	Total nitrogen loadings removed (pounds)	0			N/A	
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.					
		Name of Facility	Number of Inspections			
		N/A	0			No municipal facilities
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: Roadway system consists entirely of local streets; litter control is performed by individual property owners requiring no contracted services; Town size (68 acres approximately) and small population creates minimal impact on local streets and litter control issues.					
	Limitations: None identified					
	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 the 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				

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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.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: There no imminent, or identifiable, flood control project needs; none identified in the Town's Capital Improvement Element (CIE) or 5 Year Schedule of Improvements of the Town of Cloud Lake Comprehensive Plan; five (5) aerators were placed in the Lake for water quality purposes.				
	Limitations: None identified				
	SWMP revisions implemented to address limitations: None				
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 facilities
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	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			No pesticides or herbicides applied by Town personnel; services privately contracted out
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	4	State Licenses	Total Property Control	FY 18/19 Log
	PERSONNEL: Green Industry BMP Program training completed	0			No fertilizers applied by Town personnel; services contracted out
CONTRACTORS: FDACS certified / licensed applicators of fertilizer	4	State Licenses	Total Property	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	
	<p>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.</p> <p>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</p>	0	Fertilizer Ordinance	Town Council	Adopted November, 2013	
	<p>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).</p> <p>Public Education and Outreach Program</p>	<p>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.</p>				
	<p>Brochures/Flyers/Fact sheets distributed</p>	36	Brochures/ Flyers	Palm Beach County (PBC) Stormwater Systems Group; PBC Solid Waste Authority (PBCSWA)	FY 18/19 Log	
	<p>Newspapers & newsletters: Number of articles/notices published</p>	1	Newsletter/ Mailing List	Town Clerk	FY 18/19 Log	
	<p>Newsletters: Number of newsletters distributed</p>	68	Property Owner Mailing List/Certification Letter	Town Clerk	FY 18/19 Log	
	<p>Public Displays (e.g. kiosks, storyboards, posters, etc.)</p>	1	Town Hall Display Rack	Town Clerk		

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Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Services are contracted out to a private contractor; Town has adopted a Fertilizer Ordinance; good public information system being implemented.				
	Limitations: None identified				
	SWMP revisions implemented to address limitations: None needed				
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	14	Proactive Discharge/ Illegal Connection Inspection Form; (2) Monthly Inspection Checklist	/Code Enforcement Officer; Town Clerk	Two (2) commercially zoned lots (currently vacant) are inspected annually;; no industrial lots; Proactive Inspections are identified on the Monthly Inspection Checklists; FY 18/19 Log
	Inspections performed PBC SQG Program	0			No inspections needed
	Illicit discharges found during a proactive inspection	0			None found
	NOV/WL/citations/fines issued for illicit discharges found during proactive inspection	0			
	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	(1) Reactive Discharge/ Illegal Connection Form;	(1) Code Enforcement Officer (2)Town Clerk	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p align="center">Reactive investigations of reports of suspected illicit discharges etc. Illicit discharges etc. found during reactive investigation NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</p>		(2) Monthly Inspection Checklist		
		0			No investigations
		0			None found
		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.				
	<p align="center">Personnel trained</p>	1	Illicit Discharge Detention Elimination (IDDE) video; Spills and Skills video; and Ground Control Video	Town Planning Consultant	
<p align="center">Contractors trained</p>	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.				
	<p align="center">Hazardous and non-hazardous material spills responded to</p>	0	PBC Fire Incident Report	PBC Fire Rescue Department	No spills reported during permit year
	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.				
	<p align="center">Personnel trained</p>	1	IDDE video; Spills and Skills video; and, Ground Control video	Town Planning Consultant	
	<p align="center">Contractors trained</p>	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 materials distributed, and the number of Web site visits (if applicable).				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p align="center">Public Education and Outreach Program</p> <p align="center">Brochures/Flyers/Fact sheets distributed</p> <p align="center">Newspapers & newsletters: Number of articles/notices published</p> <p align="center">Newsletters: Number of newsletters distributed</p> <p align="center">Public displays (e.g. kiosks, storyboards, etc.)</p>	<p>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.</p> <p align="center">36</p> <p align="center">1</p> <p align="center">68</p> <p align="center">1</p>	<p align="center">Brochures/ Flyers</p> <p align="center">Newsletter/ Mailing List</p> <p align="center">Property owner Mailing List/Certification Letter</p> <p align="center">Town Hall Display Rack</p>	<p>PBC Stormwater Systems Group; PBCSWA; FDEP; Town Clerk</p> <p align="center">Town Clerk</p> <p align="center">Town Clerk</p> <p align="center">Town Clerk</p>	<p align="center">FY 18/19 Log</p> <p align="center">FY 18/19 Log</p> <p align="center">FY 18/19 Log</p>
<p>Part III.A.7.f</p>	<p>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</p>				
	<p>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).</p>				
	<p align="center">Public Education and Outreach Program</p> <p align="center">Brochures/Flyers/Fact sheets distributed</p>	<p align="center">36</p>	<p align="center">Brochures/ Flyers</p>	<p>PBC Systems Group; PBCSWA; FDEP; Town Clerk</p>	<p align="center">FY 18/19 Log</p>

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	Newspapers & newsletters: Number of articles/notices published	1	Newsletter/ Mailing List	Town Clerk	FY 18/19 Log
	Newsletters: Number of newsletters distributed	68	Property owner Mailing List/Certification Letter	Town Clerk	FY 18/19 Log
	Public displays (e.g. kiosks, storyboards, etc.)	1	Town Hall Display Rack	Town Clerk	
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. Report only the SSOs and inflow / infiltration incidents into the MS4.				
	Owner of the sanitary sewer system	No central sanitary sewer system in the Town (individual property owners have septic tank systems)			
	Activity to reduce/eliminate SSOs and I&I: (description)	0			Privately owned septic tanks systems
	Activity to reduce/eliminate SSOs and I&I: (description)	0			N/A
	SSO incidents discovered	0			None discovered; Privately owned septic tank systems
	SSO incidents resolved	0			N/A
	Inflow / infiltration incidents discovered	0			None discovered
	Inflow / infiltration incidents resolved	0			N/A

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A.	B.	C.	D.	E.	F.	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
Part III.A.7 Summary	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: No illicit discharges or improper disposal reported during the permit year; Town Clerk and Town Planning Consultant have been trained; good public information being implemented.					
	Limitations: None identified					
	SWMP Revisions implemented to address limitations: None needed					
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections					
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.					
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.					
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions		
	Operating municipal landfills	0				No landfills in Town
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0				No hazardous waste 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			N/A	
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: No high risk facilities in Town					
	Limitations: N/A					
	SWMP revisions implemented to address limitations: N/A					
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices					
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.					
	PERMITTEE SITES: Construction site plans reviewed	0	Site Plan Review Procedures established in	Town Clerk; Town Planning Consultant; Town Engineer;	No 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	
	PERMITTEE SITES: Construction site plans approved	0	the SWMP; notations on construction plans and/or Construction Plan Report, if required	Town Building Official	year	
	PRIVATE SITES: Construction site plans reviewed	1	Site Plan Review Procedures established in the SWMP; notations on construction plans and/or Construction Plan Report, if required		N/A	
	PRIVATE SITES: Construction site plans approved	0			N/A	
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.					
	Notified of ERP stormwater permit requirements	0			No new development or redevelopment applied for during permit year	
	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 construction during permit year	
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction	0			N/A	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
A.	B.		C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	sites for E&S and waste control BMPs					
	PERMITTEE SITES: Percentage of active construction sites inspected		0			N/A
	PRIVATE SITES: Active construction sites		0			No new private construction during permit year
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs		0			N/A
	PRIVATE SITES: Percentage of active construction sites inspected		0			N/A
	Enforcement Action		0			N/A
Part III.A.9.c	Construction Site Runoff — Site Operator Training					
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).					
		DEP Certification	Annual Training			
	Permittee construction site inspectors	1	1	Ground Control video	Town Planning Consultant	
	Permittee construction site plan reviewers		1	Ground Control video	Town Planning Consultant	No new site plan reviewers 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	
B.	Permit Citation/ SWMP Element	Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)
	N/A	

SECTION IX. TMDL Status Report

A.	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.								
	WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
	N/A			<input type="checkbox"/> / <input type="checkbox"/>					
				<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): No discharge to a TMDL WBID at the time of permit issuance.								

Town of Cloud Lake
(NPDES Stormwater Permitting Program)

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

Prepared by JLH Associates
November, 2019

'Water Quality Monitoring Assessment Report'

Purpose

The purpose of the 'Water Quality Monitoring Assessment Report' is to provide information for the Town of Cloud Lake 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 Cloud 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 Cloud Lake 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 Cloud Lake uses the ambient water quality data provided by Palm Beach County MS4 Group.

Based on the location of outfall of the Cloud Lake MS4 (refer to attached location map), 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 Cloud Lake at the intersection of SR 7 and Southern Boulevard (SR 80). 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 Cloud Lake.

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 Cloud Lake has evaluated nutrient monitoring results at the above two locations. The 10-year trend referenced in the Palm Beach County MS4 Cycle 4, Year 2, Joint Annual 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 Cloud Lake, 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
2018	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, Year 2 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 (east of the Town) and 37B (west 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 mean trend graphs (Figures 2-4) indicate a general declining trend for two of the three (TN and Chlorophyll-a) water quality monitoring parameters. Even though TP shows an increasing trend for the last ten years, the long term 20 year trend shows a declining trend (reference to 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 Cloud Lake lies in the C-51 watershed/WIBD 3245F. All stormwater runoff from Cloud Lake 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 Cloud Lake 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 Cloud Lake MS4 below in Table 1.

Cloud Lake 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, annual newsletter, MS4group 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 Cloud Lake-
C51 Watershed

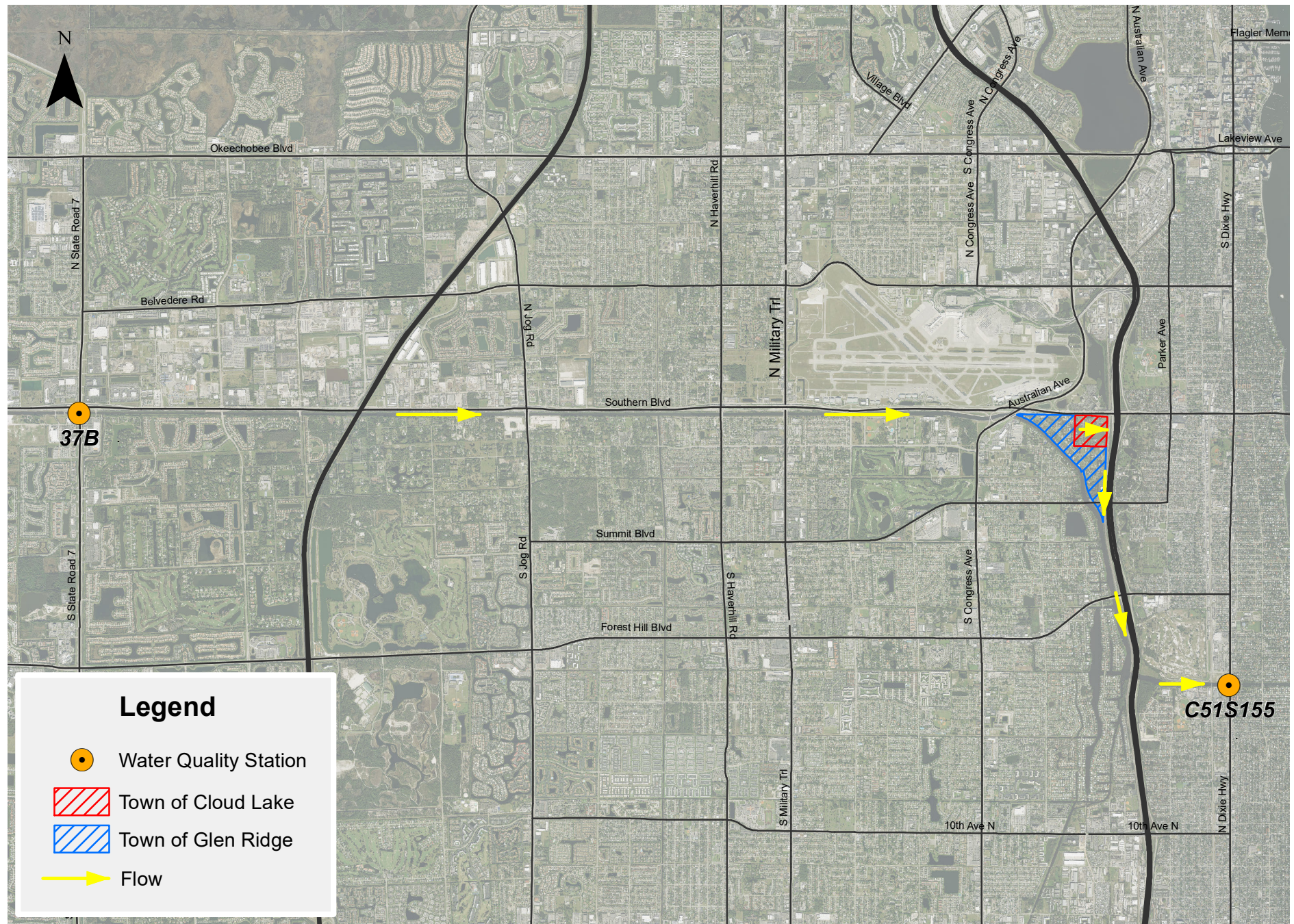
Parameter	<u>BODs</u>	<u>TSS</u>	<u>TP</u>	<u>CU</u>	<u>ZN</u>	<u>TN</u>
2013 Loads	880	1226	48	2	8	1234
2018 Loads	858	1165	47	1	8	1231
Other Reduction - Public Education (6% - rounded)	<u>51</u>	<u>70</u>	<u>3</u>	<u>0</u>	<u>0.5</u>	<u>74</u>
Total Amount	807	1095	44	1	7.5	1157
Percent (%) Reduction	<u>8.3%</u>	<u>10.7%</u>	<u>8.3%</u>	<u>50%</u>	<u>6.0%</u>	<u>6.2%</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 for the six (6) parameters in the Cloud Lake MS4 indicate significant reductions between 2013 and 2018.

Conclusions

The Town of Cloud Lake stormwater management programs are 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 Cloud Lake-

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

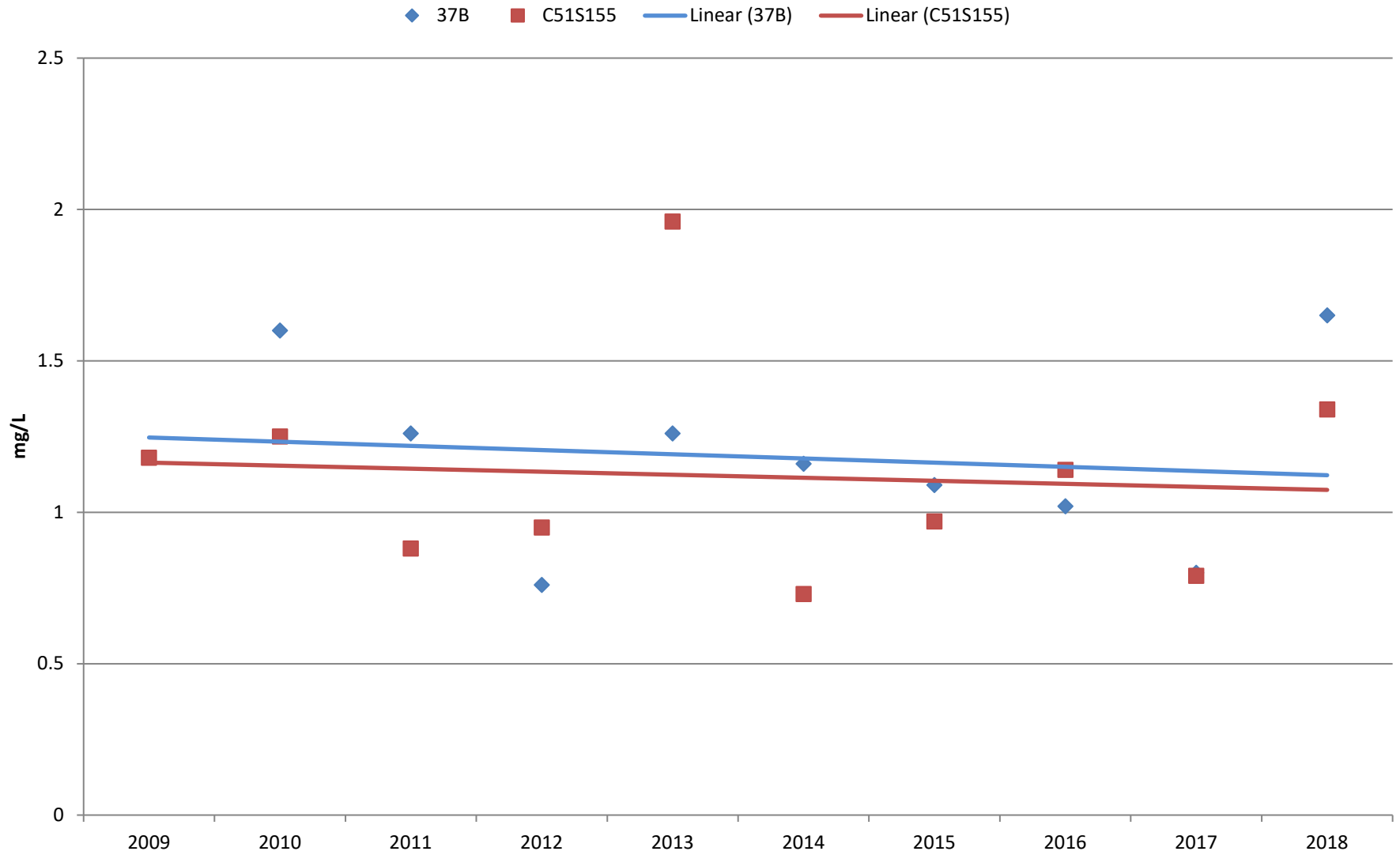


Figure 3
Annual Geometric Mean Total Phosphorous Concentration (mg/l)
C-51 Stations

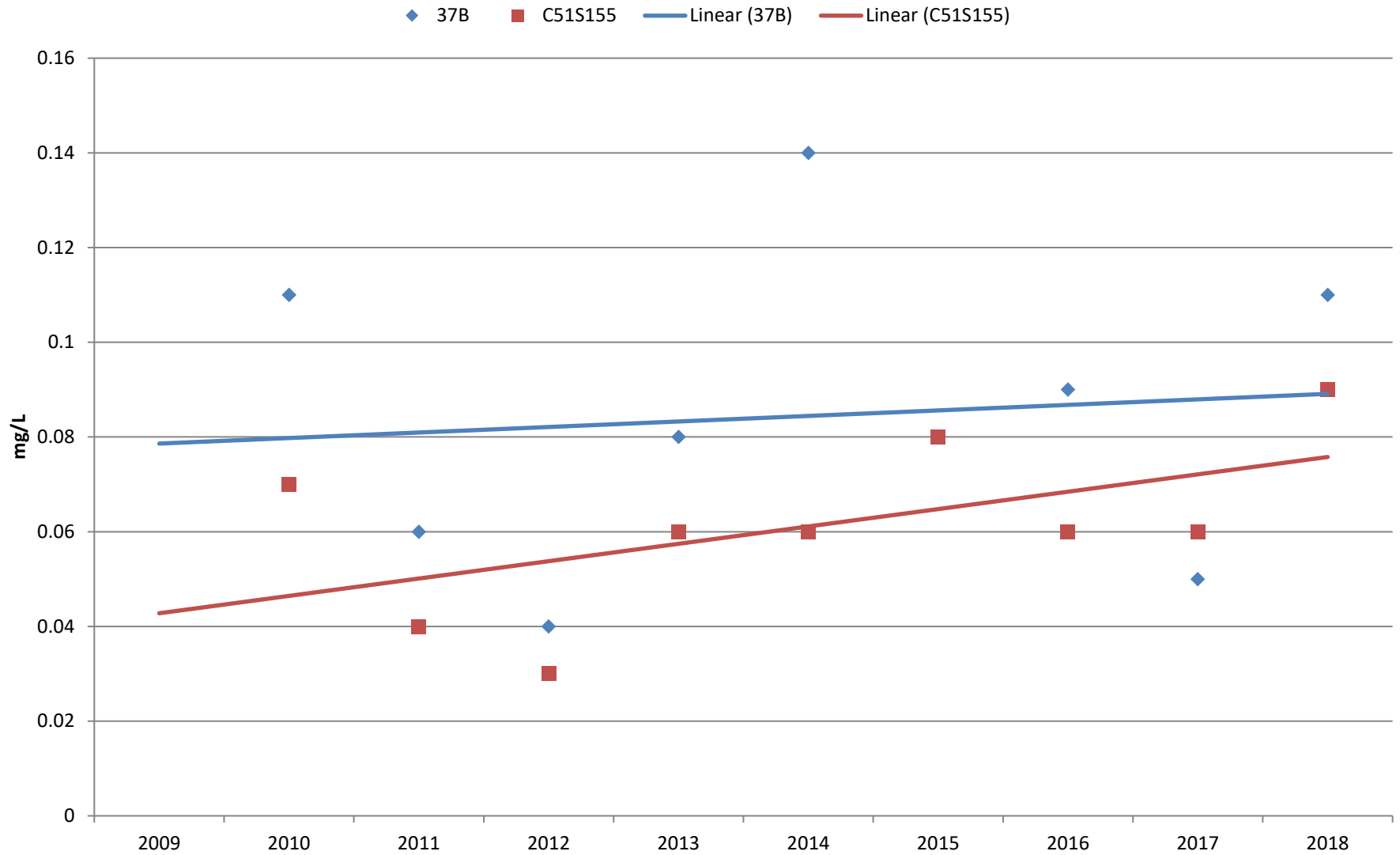
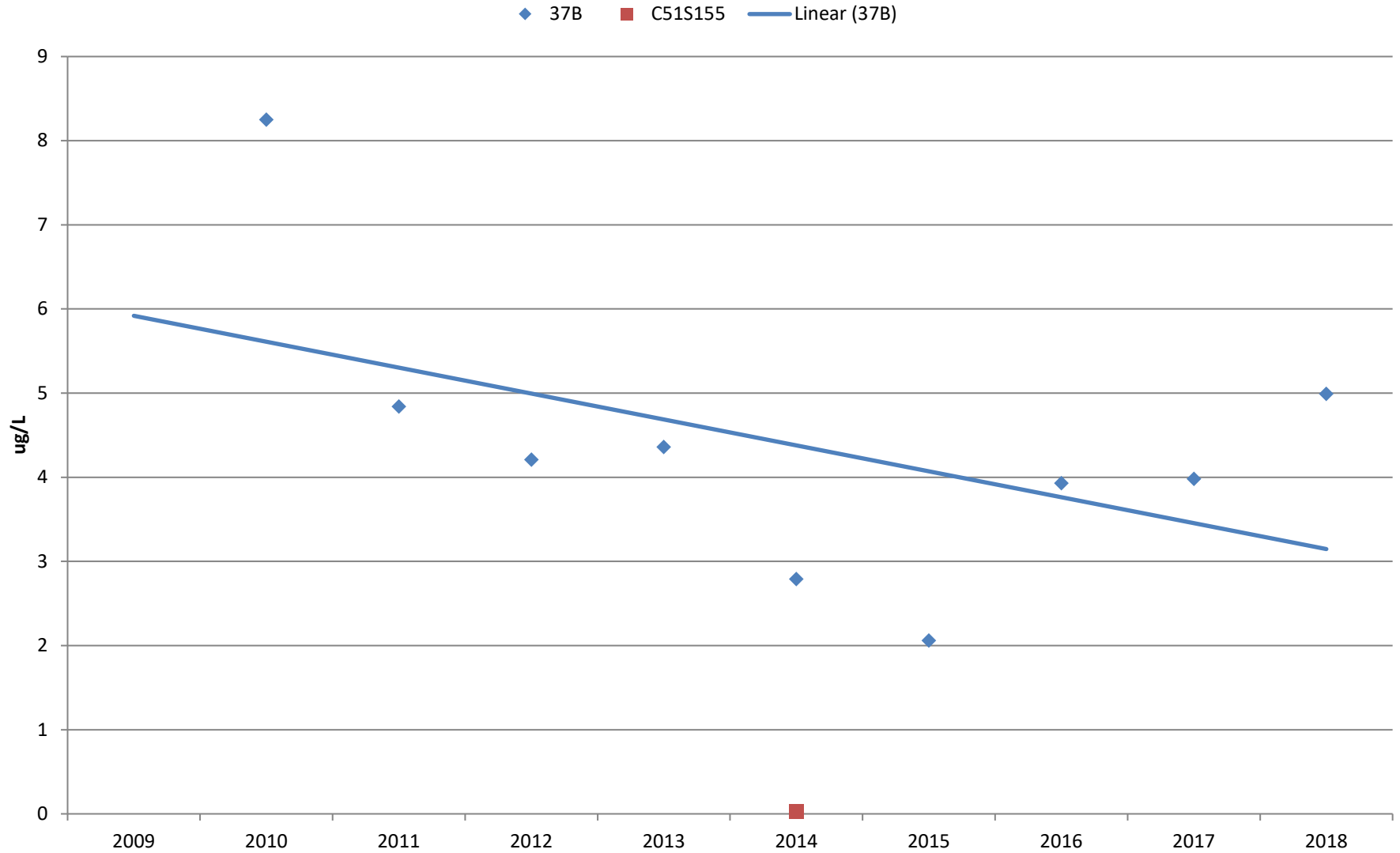


Figure 4
Annual Geometric Mean Total Chlorophyll-a (ug/l)
C-51 Stations



Part III.A.1.

Structural Controls

Roadway Grass Swale – Structural Control Inspection
- Town of Cloud Lake -

Facility/Segment ID: CLRG501 Lang Rd Date: 5-14-2019

Inspection conducted 6 days/~~hours~~ after significant rainfall event.

FUNCTION:

Wet bottom?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<i>no standing water</i>
Aquatic vegetation present?	YES	<input checked="" type="radio"/> NO	
Dead or dying grass on bottom?	YES	<input checked="" type="radio"/> NO	
Sediment accumulation?	YES	<input checked="" type="radio"/> NO	
Grading issue?	YES	<input checked="" type="radio"/> NO	

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

EROSION:

Vegetation on bottom or side slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance:

GENERAL:

Any signs of damage from parking in swale? YES NO

Any fences or other objects that could obstruct flow into/through the swale? YES NO

If YES, schedule for maintenance.

Any indications of illicit discharge or illegal dumping? YES NO

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

Non-Roadway Grass Swale – Structural Control Inspection
- Town of Cloud Lake -

Facility/Segment ID: CLNRGS-01 TOWN HALL SWALE Date: 5-14-2019

Inspection conducted 6 days/hours after significant rainfall event.

FUNCTION:

Wet bottom?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<i>no standing water</i>
Aquatic vegetation present?	<input type="radio"/> YES	<input checked="" type="radio"/> NO	
Dead or dying grass on bottom?	<input type="radio"/> YES	<input checked="" type="radio"/> NO	
Sediment accumulation?	<input type="radio"/> YES	<input checked="" type="radio"/> NO	
Grading issue?	<input type="radio"/> YES	<input checked="" type="radio"/> NO	

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

EROSION:

Vegetation on bottom or side slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance:

GENERAL:

Any signs of damage from parking in swale? YES NO

Any fences or other objects that could obstruct flow into/through the swale? YES NO

If YES, schedule for maintenance.

Any indications of illicit discharge or illegal dumping? YES NO

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

Wet Detention System – Structural Control Inspection
-Town of Cloud Lake-

Facility ID: CLWDS-01 CLOUD LAKE (the lake)

Date: 5-14-2019

Inspection conducted 6 days/hours after significant rainfall event.

FUNCTION AND PERMANENT POOL:

Pond/Lake level above control elevation longer than recovery time (see facility inventory)? YES NO

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

Pond/Lake has sediment deposits in bottom causing 20% or more decrease in storage volume?

YES NO

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

Shallow areas (littoral zone) invaded by cattails, willows, or other exotic vegetation? YES NO

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

Pond/Lake has excessive growths of algae or other undesirable vegetation? YES NO

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

EROSION:

Vegetation on side slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance _____

INFLOW STRUCTURE:

Any signs of erosion? YES NO Any signs of structure settling? YES NO

Any signs of physical damage? YES NO Any signs of accumulated sediment? YES NO

Any debris present? YES NO

If YES to any of the above, schedule the structure for maintenance or debris removal

OUTFLOW STRUCTURE:

Any signs of erosion? YES NO Any signs of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sediment? YES NO

Any debris present? YES NO Skimmer in place and operational? YES NO

Wet Detention System – Structural Control Inspection
-Town of Cloud Lake-

Facility ID: CLWDS-02 GEM LAKE

Date: 5-14-2019

Inspection conducted 4 days/hours after significant rainfall event.

FUNCTION AND PERMANENT POOL:

Pond/Lake level above control elevation longer than recovery time (see facility inventory)? YES NO

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

Pond/Lake has sediment deposits in bottom causing 20% or more decrease in storage volume?

YES NO

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

Shallow areas (littoral zone) invaded by cattails, willows, or other exotic vegetation? YES NO

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

Pond/Lake has excessive growths of algae or other undesirable vegetation? YES NO

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

EROSION:

Vegetation on side slopes failing? YES NO

Any signs of erosion? YES NO

If YES, describe and schedule for maintenance _____

INFLOW STRUCTURE:

Any signs of erosion? YES NO Any signs of structure settling? YES NO

Any signs of physical damage? YES NO Any signs of accumulated sediment? YES NO

Any debris present? YES NO

If YES to any of the above, schedule the structure for maintenance or debris removal

OUTFLOW STRUCTURE:

Any signs of erosion? YES NO Any signs of structure settling? YES NO

Any signs of physical damage? YES NO

Any signs of accumulated sediment? YES NO

Any debris present? YES NO Skimmer in place and operational? YES NO

Stormwater Pump Station # 1
Inspection Procedure/Checklist/Form
- Town of Cloud Lake -

Facility ID: CLSPS-01

Date: 5-14-2019

FUNCTION:

Flood control and Control Lake level

YES NO

P.O @ 9:00 AM

GENERAL:

Any indications of illicit discharge or illegal dumping?

YES NO

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

Debris accumulation upstream or downstream of structure?

YES NO

Sediment accumulation upstream or downstream of structure?

YES NO

Headwall in need of repair/replacement?

YES NO

If YES, schedule for
maintenance _____

Stormwater Pump Station # 1
Inspection Procedure/Checklist/Form
- Town of Cloud Lake -

Facility ID: CLSPS-01

Date: 9-13-2019

FUNCTION:

Flood control and Control Lake level

YES NO

8.4 @ 9:00 AM

GENERAL:

Any indications of illicit discharge or illegal dumping?

YES NO

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

Debris accumulation upstream or downstream of structure?

YES NO

Sediment accumulation upstream or downstream of structure?

YES NO

Headwall in need of repair/replacement?

YES NO

If YES, schedule for
maintenance _____

**Major Stormwater Outfall #1 – Structural Control Inspection
-Town of Cloud Lake-**

Facility ID: CLGPM3-01 FLOOD GATE @ PUMP STATION Date: 5-14-2019

Is it raining during the inspection? YES NO If NO, date of last rainfall _____

PIPE FLOWING NO YES If YES, check appropriate box

Full pipe flow	<input type="checkbox"/>
3/4 pipe flow	<input type="checkbox"/>
1/2 pipe flow	<input checked="" type="checkbox"/>
1/4 pipe flow	<input type="checkbox"/>

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.

Major Stormwater Outfall #2 – Structural Control Inspection
-Town of Cloud Lake -

Facility ID: CLDPSO-02 PUMP STATION Date: 5-14-2019

Is it raining during the inspection? YES NO If NO, date of last rainfall _____

PIPE FLOWING NO YES If YES, check appropriate box

Full pipe flow	<input type="checkbox"/>
3/4 pipe flow	<input type="checkbox"/>
1/2 pipe flow	<input checked="" type="checkbox"/>
1/4 pipe flow	<input type="checkbox"/>

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.

**Control Structure #1 Inspection Procedure/Checklist/Form
-Town of Cloud Lake-**

Facility ID: CLCS-01 FLOOD GATE Date: 5-14-2019

Is it raining during the inspection? YES NO If NO, date of last rainfall _____

FUNCTION:

Structure allowing allow gravity discharge from the Lake? YES; NO

GENERAL:

Debris accumulation upstream or downstream of structure? YES NO

Sediment accumulation upstream or downstream 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

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.

Inlets/Catch Basins/Grates #1 – Structural Control Inspection
-Town of Cloud Lake-

Facility ID: CL/EB-01 LANG RD @
TOWN HALL

Date: 5-14-2019

Is it raining during the inspection? YES NO If NO, date of last rainfall _____

FUNCTION:

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

Inlets/Catch Basins/Grates #2 – Structural Control Inspection
-Town of Cloud Lake-

Facility ID: CL/ CB-02 SHANNONDALE RD Date: 5-14-2019
WEST OF TOWN HALL

Is it raining during the inspection? YES NO If NO, date of last rainfall _____

FUNCTION:

- Debris or sediment accumulation in inlet/catch basin/grate? YES NO
- Barnacle accumulation in inlet/catch basin/grate? YES NO
- Sediment accumulation in inlet/catch basin/grate? YES NO
- Evidence of settling of pipe – misalignment? YES NO
- Inlet/catch basin/grate in need of repair/replacement? 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.

Inlets/Catch Basins/Grates #3 – Structural Control Inspection
-Town of Cloud Lake-

Facility ID: CU/CIB-03 SHANNONDALE RD Date: 5-14-2019
@ WEST BOUNDARY OF TOWN LIMITS
Is it raining during the inspection? YES NO If NO, date of last rainfall _____

FUNCTION:

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

Proactive Illicit Discharge/Illegal Connection Inspection Form
-Town of Cloud Lake -

Date of Inspection: 9-13-2019

Address of Facility OR General Description of Area Inspected: TOWN HALL PROPERTY

Identification of MS4 component that could receive discharge from this site/area:

- 1.) catch basins drain to lakes then to WPB Stub Canal then C-51 Canal then Lake Worth Lagoon
- 2.) FDOT pond drains to WPB Stub Canal then to C-51 Canal then to Lake Worth Lagoon

If Facility inspection, does type of business require an MSGP? YES NO
If yes, does this facility have one? YES NO

Findings:

Evidence of illicit connections to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of dumping/spills to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of wash water going to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Storage tanks leaking or improperly contained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Stockpiles/debris piles uncontained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

If YES to any above, describe:

Type of Enforcement Action Taken:

Date to verify elimination: _____

Date of Referral to FDEP of facility that may require MSGP: _____

Proactive Illicit Discharge/Illegal Connection Inspection Form
-Town of Cloud Lake -

Date of Inspection: 9-13-2019

Address of Facility OR General Description of Area Inspected: VACANT COMMERCIAL LOT

Identification of MS4 component that could receive discharge from this site/area:

- 1.) catch basins drain to lakes then to WPB Stub Canal to C-51 Canal to Lake Worth
2.) FDOT pond drains to WPB Stub Canal to C-51 Canal then to Lake Worth Lagoon Lagoon

If Facility inspection, does type of business require an MSGP? YES NO
If yes, does this facility have one? YES NO

Findings:

Evidence of illicit connections to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of dumping/spills to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of wash water going to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Storage tanks leaking or improperly contained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Stockpiles/debris piles uncontained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

If YES to any above, describe:

Type of Enforcement Action Taken:

Date to verify elimination: _____

Date of Referral to FDEP of facility that may require MSGP: _____

42018-19

<u>DATE</u>	<u>ELEVATION</u>	<u>COMMENTS</u>
10-10-18	7.4 @ 9 AM	rain
1-26-19	8.6 @ 10 AM	3 1/4" rain from 1/26-28
1-28-19	8.1 @ 9 AM	"
1-29-19	-	rain throughout night
2-1-19	7.2 @ 9 AM	rain
2-4-19	7.8 @ 11 AM	rain 2/3-3, decreasing aft
2-13-19	7.6 @ 9 AM	light rain previous evening
2-20-19	8.4 @ 7 AM	maintaining normal level
3-19-19	8.0 @ 9 AM	rain all day
3-28-19	8.4 @ 9 AM	
4-5-19	8.4 @ 9 AM	Cloudy
4-22-19	7.9 @ 9 AM	sunny
5-14-19	9.0 @ 9 AM	rain
5-9-19	8.7 @ 6:05 PM	rain thru 5-14
8-6-19	8.4 @ 9 AM	sunny + clear
	9.3 @ 5 PM	heavy rain in afternoon
8-7-19	9.5 @ 9 AM	sunny + clear but ran pump
	8.5 @ 6:30 PM	rain mid afternoon
8-8-19	8.7 @ 9 AM	clear + sunny, heavy rain began 6:15 PM
8-27-19	7.6 @ 9 AM	lowered - heavy rain expected thru Dec 1
8-29-19	8.0 @ 8:45 AM	awaiting Hurricane Dorian on 9-2
9-4-19	8.4 @ 2:30 PM	sunny
9-13-19	8.4 @ 9 AM	cloudy

Part III.A.3.

Roadway

(Monthly Inspection Sheets)

FY 2018-19

TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

	Yes	No	Date Inspected & Inspected By	Required Action Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-10-2018 M. Bravelin	
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Traffic Signs Adequate, Properly Installed and Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

	Yes	No	Date Inspected & Inspected By	Required Action Date Completed
Town Hall Parking Lot Clear & Unobstructed	✓	—	11-8-2018 <u>A. Gravelin</u>	_____
Town Hall Sidewalk Clear & Unobstructed	✓	—	_____	_____
Storm Drains & Swales Clear & Unobstructed	✓	—	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	✓	—	_____	_____
• Lang Road	✓	—	_____	_____
• Shannondale Rd	✓	—	_____	_____
• Wilson Road	✓	—	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	✓	—	_____	_____
• Lang Road	✓	—	_____	_____
• Shannondale Rd	✓	—	_____	_____
• Wilson Road	✓	—	_____	_____

TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12-13-2018 <i>A. Gravelin</i>	
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

	Yes	No	Date Inspected & Inspected By	Required Action Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-10-2019 D. Gravelle	
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	✓	—	2-14-2019 <i>D. Gravelin</i>	_____
Town Hall Sidewalk Clear & Unobstructed	✓	—	_____	_____
Storm Drains & Swales Clear & Unobstructed	✓	—	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	✓	—	_____	_____
• Lang Road	✓	—	_____	_____
• Shannondale Rd	✓	—	_____	_____
• Wilson Road	✓	—	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	✓	—	_____	_____
• Lang Road	✓	—	_____	_____
• Shannondale Rd	✓	—	_____	_____
• Wilson Road	✓	—	_____	_____

TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

	Yes	No	Date Inspected & Inspected By	Required Action Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5-14-2019 <i>D. Gravelin</i>	
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

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- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	April 11, 2019 N. Gravelin	See the attached
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

TOWN OF CLOUD LAKE

1 LANG ROAD

WEST PALM BEACH, FLORIDA

33406

PHONE: (305) 686-2815

(407) 686-2815

INVESTIGATION REQUEST FORM

RECEIVED BY: Nancy Gravelin TIME: 8 PM DATE: April 11, 2019
REQUESTED BY: Marion Chateau-Flagg 101 E. Chandler Rd
NAME ADDRESS PHONE
818-5210
SUBJECT: Parking stop in front of Town Hall

REMARKS: Re-bar sticking out of end of parking stop at South end of parking lot. Was dark and did not see the Re-Bar which tripped over, fortunately no injury. ASSIGN TO: Town Clerk DATE: April 11, 2019

INVESTIGATOR'S REPORT

INVESTIGATOR: Town Clerk Dorothy Gravelin DATE: April 11, 2019

Found that south end of parking stop broke off leaving about 4" of rebar sticking out. Contacted Clean Slate who sawed off the protruding rebar on April 12, 2019.

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5-6-2019 <i>N. Gravelin</i>	_____
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>D. Gravelin</i> <u>10-10-2019</u>	_____
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7-9-2019 <i>D. Havelin</i>	_____
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____

TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8-7-2019 D. Gravelle	
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>		ran pump in afternoon due to heavy rain - NO obstructions observed (See 8/6/2019 Windshield Survey of Town attached)
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input type="checkbox"/>	<input type="checkbox"/>		
Roadways Clear and Unobstructed				
• Chandler Road	<input type="checkbox"/>	<input type="checkbox"/>		
• Lang Road	<input type="checkbox"/>	<input type="checkbox"/>		
• Shannondale Rd	<input type="checkbox"/>	<input type="checkbox"/>		
• Wilson Road	<input type="checkbox"/>	<input type="checkbox"/>		

Heavy Rain Aug. 6, 2019 @ 5:00 PM

Windshield Survey

1. Water standing at edge of road at 107 Wilson and rear of 108 Shannondale - adjacent properties
2. Water in road at 201 Lang Road and about 25' onto ~~Lang~~ Wilson Road at intersection - standing water ^{low area} at NW corner of property at 100 Wilson none in driveways or near buildings
3. Lake elevation 9.3 at gauge (Cloud Lake + Gen Lake)
4. water in front yard at 101 E. Chandler - home ok
5. " " " " at 111 E. Chandler " "
6. water in NW side of yard at 1302 W. Chandler - Saunders
7. " standing in parking area at Glen Ridge Town Hall
8. " in road between ~~road~~ (4080 Gen Lake Dr) and house to the east along Island Road and at entrance to Island Road at Gen Lake Dr.
9. Water at top of outfall gate at Duck Pond north of Glen Ridge Town Hall
10. Water standing in Hadden's yard north of house and along Gen Lake Dr. at edge of road
11. Water in driveway at 4005 Gen Lake Dr. - Lenkersdorf
12. No water standing in swale at Town Hall
13. Standing water in NE section of yard - none around house
14. " " along south 20'-25' of lot at 205 Shannondale but none standing in the road

**TOWN OF CLOUD LAKE
MONTHLY INSPECTION CHECKLIST**

Inspect early in the day to allow for correction the same day.

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- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8-31-2019</u> <u>D. Gravelin</u>	<u>Lowered awnings at</u> <u>Town Hall in anticipation</u> <u>of Hurricane Dorian</u>
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____

TOWN OF CLOUD LAKE MONTHLY INSPECTION CHECKLIST

Inspect early in the day to allow for correction the same day.

When making your inspection, look for the following:

- Roots that could obstruct travel
- Protruding branches and limbs that could obstruct view and travel
- Potholes
- Holes, rocks, broken glass, roots and other hidden hazards in terrain
- Loose gravel, sand or cracks on walkways
- Litter in and along the roadways and in or near storm drains and swales

			Date Inspected	Required Action
	Yes	No	& Inspected By	Date Completed
Town Hall Parking Lot Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9-13-2019 <i>D Gravelin</i>	_____
Town Hall Sidewalk Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Storm Drains & Swales Clear & Unobstructed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Traffic Signs Adequate, Properly Installed and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
Roadways Clear and Unobstructed				
• Chandler Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Lang Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Shannondale Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
• Wilson Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____

Part III.A.6.

Pesticides, Herbicides, and Fertilizer Application

CLOUD LAKE FLOOD FACTS – IMPORTANT

INFORMATION REGARDING FLOODING RISKS

Cloud Lake is a participant in the National Flood Insurance Program (NFIP) Community Rating System (CRS) working diligently to maintain a 20% reduction in flood insurance premiums for property owners in the Special Flood Hazard Areas (entire Town except lot 8, block 4). During periods of heavy rainfall areas are subject to flooding. This information will address areas to protect you and reduce loss of value to your property. **BECAUSE YOU ARE IN THE SPECIAL FLOOD HAZARD AREAS, YOU SHOULD CONSIDER THE PURCHASE OF FLOOD INSURANCE.** This information will address areas to protect you and reduce loss of value to your property.

FLOOD INSURANCE: Are You Insured?: Flooding is not covered by homeowners or standard property insurance, but you can protect your home and its contents with flood insurance through the National Flood Insurance Program (NFIP) which is backed by the Federal Government. **Homes and businesses with mortgages from federally regulated or insured lenders in high risk flood areas are required to have flood insurance.** The amounts of flood insurance available are **\$250,000 for the building and \$100,000 for the contents for residential property, \$100,000 for renter contents, and \$500,000 for the building and \$500,000 for the contents for small businesses.** There is a 30 day waiting period before coverage goes into effect. Flood Insurance is easy to obtain and is sold by most insurance agents, contact an insurance agent or NFIP at 1-888-379-9531 to request an agent referral. Visit www.FloodSmart.gov or call **1-800-427-2419** to learn how to prepare for floods, the benefits of protecting against floods, and how to purchase a National Flood Insurance Policy.

FLOOD INSURANCE RATE MAPS: New Flood Insurance Rate Maps for all of Palm Beach County went into effect October 5, 2017. The Town Clerk's Office is the primary source of information regarding Flood Insurance Rate Maps. It is important to know the Base Flood Elevation of any property and the flood insurance requirements if applicable. Elevation Certificates are available at the Town Hall. Call (561) 686-2815 if you have any questions.

FLOOD HAZARD THREAT: Hurricane season begins June

1st and extends to November 30th each year. Flooding in Cloud Lake is caused primarily by heavy rains that occur in a short period of time. The Town is also prone to flooding from rising waters but has been able to prevent the flooding from rising lake waters in Cloud Lake (lake) and Gem Lake with the operation of the pump system. It is important that you know and understand the degree to which your property may be at risk to flood damage.

ASSISTANCE AVAILABLE: Information is provided by the Town regarding flood hazards, flood insurance, and flood protection & mitigation measures designed to correct existing deficiencies in flood prone construction. Upon request, the property owner is provided site-specific and flood related data including site visits to review past flooding, historical flood levels and high water mark locations, repetitive loss areas, photos of past flooding, and data related to your property for you to decide what action to take. Call (561) 686-2815.

PROPERTY PROTECTION MEASURES: Flooding causes more property damage in the United States than any other type of natural disaster. Just 1" of water inside your home can be costly and cause damage. Recent construction practices and regulations have made new homes less prone to flooding, but many existing structures remain susceptible.

- Protect your structure from flying debris by boarding your windows and doors.
- Insure the doors and jambs withstand hurricane pressures.
- Strengthen garage doors that do not meet the new code.
- Retrofitting is another approach to reduce flooding because the property itself remains subject to flooding but the building is modified to prevent or minimize flooding of living space.

If flooding threatens, consider taking the following actions:

- Sandbagging to reduce erosion and scouring
- Elevate furniture above flood protection levels.
- Create floodway openings in non-habitable areas

Property owners may wish to elevate (raise) or relocate structures that are prone to flood damage. **For information on retrofitting or floodproofing your structure to reduce the impact of flooding, call (561) 686-2815 or visit the County Emergency Management website at www.pbcgov.org/dem.**

FLOOD REFERENCE LIBRARY: The Town of Cloud Lake, 100 Lang Road and the Palm Beach County Central Library, 3650 Summit Blvd., West Palm Beach maintains a listing of flood insurance sources and references concerning flood protection and preparedness. Take advantage of these flood information resources and utilize the County Emergency Management website, www.pbcgov.org/dem.

FLOOD SAFETY MEASURES: Flood safety begins with being alert to the changing weather conditions that can bring floods. Residents should tune to local TV and radio weather broadcasts and be alert to special local advisories. Safety includes having a personal family evacuation plan and survival kit ready for use in the event of flooding along with a Pet Plan if you have pets. If you need assistance or transportation during an evacuation because of age, handicap or other special needs, contact the Palm Beach County Emergency Management Office. To register, call 712-6400 or go to www.pbcgov.org/dem. If you are going to remain home you need to ensure that you have sufficient **food, water, and supplies for at least 5-7 days.**

Before the Storm: Know Palm Beach County's Flood Warning Procedures. You may want to keep plywood, plastic sheeting, lumber and materials on hand to help prepare your property for the storm and to aid in emergency repairs afterwards. Palm Beach County will operate shelters as needed. Listen to local media, connect with Emergency Management on facebook PBCDEM or twitter @PBCDEM, download free app PBCDART, sign up ALERTPBC (via phone calls, text messaging, e-mail) at www.readyabc.com or call the County Emergency Operations Center at 712-6400. If you plan to evacuate, plan your evacuation in advance. Contact the Town Clerk at 686-2815 to provide your contact numbers or for evacuation routes, shelter locations, and a list of what to take with you.

Storm Preparation: Keep a battery powered radio or TV tuned in to local stations. Place important documents inside plastic bags or other waterproof containers. If evacuating, prepare your home prior to evacuation. Turn off all gas and electricity, with the possible exception of your refrigerator. Do not touch any electrical equipment if you are wet or standing in water. Fill your tubs, sinks and any available containers with fresh water in case fresh water is not available after the storm. Board your windows to protect them from flying debris. Move as many valuables as possible to higher elevations. Elevate your furniture if possible. Avoid running washes of water and/or unstable banks.

During and After the Storm: Do not walk through flowing water. Drowning is the number one cause of flood deaths. If you need to walk in standing water, use a pole or stick to see how deep the water is. Do not drive through a flooded area. Don't drive around road barriers. Stay away from power lines and electrical wires. Report downed power lines immediately to Florida Power & Light (561) 697-8000 or 1-800-4OUTAGE or the Palm Beach County Sheriff's Department at 561-688-3000 or 911.

FLOOD WARNING SYSTEMS: The Palm Beach County

Emergency Operations Center works with the Town, South Fla. Water Management District, National Weather Service and the National Hurricane Center to monitor flood and storm threats and advise accordingly. The County depends on the National Weather Service to issue flood advisories at least six (6) hours before the expected rainfall would overflow drainage systems and cause the ponding of water. Stay tuned to local TV or radio stations known to have an active weather and news bureau for information. Listen to weather band radio frequency 162.475 MHz. Areas affected will be identified in the broadcast. If you live in the safe area, be prepared to stay in your home. If your area is ordered to evacuate, leave immediately. A listing of Approved Shelters and more information on flood warning is available at Town Hall, call (561) 686-2815 or at www.readyabc.org

FLOODPLAIN MANAGEMENT: With Town participation in the NFIP, the Town administers flood management regulations designed to minimize the potential flood losses, such as requiring the elevations of living floor areas. The Town has adopted Stormwater Management Regulations requiring Stormwater Management Plans for new construction. The construction of these plans will be able to reduce flood peaks and duration, provide additional storage when needed, and improve and maintain surface and ground water quality. To prevent further flood damage, in October 2008, the Town Council declared the area at the east end of lake Cloud Lake to remain undeveloped as a passive park/nature preserve. FDOT maintains a 1.5 acre stormwater detention pond collecting excess rain water in addition to 2 lakes (6.87 acres) in Town all discharging into the Stub Canal.

FLOODPLAIN PERMIT REQUIREMENTS: Any development in Cloud Lake requires a permit. Through this process the Town insures development is taking place according to flood regulations. The Town's Permitting Review Process is necessary to allow the Town to participate in the National Flood Insurance Program (NFIP), making flood insurance available for residents to obtain. Contact the Town Clerk prior to any construction activities. If you see development occurring without permits, protect your rights and the Town's participation in the NFIP program by contacting the Town Clerk at 686-2815.

SUBSTANTIAL IMPROVEMENT REQUIREMENTS: The National Flood Insurance Program requires that if the cost of reconstruction, rehabilitation, addition, or other improvements to a building equals or exceeds 50% of the building's market value, then the building must meet the same construction requirements as a new building. Substantially damaged buildings must also be brought up to the same standards.

DRAINAGE SYSTEM MAINTENANCE: The drainage system consists of one catch basin, a 24" culvert at the north end of Town Hall that feeds into Gem Lake under Shannondale Road West, and a 3' x 6' box culvert connecting Gem Lake to Cloud Lake under Lang Road. Florida Department of Transportation maintains a 1.5 acre wet detention pond at the entrance to town on the east side of Lang Road at Southern Boulevard that takes stormwater runoff from 6 catch basins and empties into the WPB Stub Canal when water reaches a certain elevation. This will allow for more storage of stormwater runoff. When water levels become extreme in the lakes, water is released from the east into the West Palm Beach Stub Canal through a manually operated floodgate and pumped via a 24" pipe into the WPB Stub Canal. From here, drainage overflows are directed into the West Palm Beach C-51 Canal of the South Florida Water Management District's system and from there into the Lake Worth Lagoon (Intracoastal Waterway). From the west, water can be released through a manually operated floodgate in Glen Ridge directly into the West Palm Beach C-51 Canal.

The Town performs inspection and maintenance of the swales, catch basin and culverts, flood gate and drainage pump on a monthly basis.

Dumping of debris or trash in the drainage system is prohibited by Town ordinance. "NO DUMPING DRAINS TO LAKE WORTH LAGOON" signs are also placed at the catch basin, culverts, and pump system.

The property owners mow around the privately owned lakes.

The lakes and wet detention pond act as a storage area for flood waters, reducing the possibility of flooding nearby residences, and also helping the entire Town by recharging our groundwater aquifer. Please report any illegal dumping or littering to the Town by calling 686-2815 or the Palm Beach County Sheriff's Department Environmental Crimes Unit by calling 697-2700 extension 4620.

BECAUSE OF INCREASED HURRICANE ACTIVITY WE ALL NEED TO BE FULLY PREPARED FOR STORM EVENTS.

Did you know that **FLOOD DAMAGE** can be more costly than wind damage, for example the cost of damages for a 2,000 square foot home could cost approximately:
 \$39,150 with 6 inches of rising water
 \$52,220 with 1 foot of rising water
 \$62,880 with 2 feet of rising water

EXCELLENT RESOURCES:

- Palm Beach County's Hurricane Survival Guide, The Palm Beach Post Storm Guide – also see

www.STORM2014.com, Hurricane Guides are available at local supermarkets and "Hurricane Preparedness" brochure at Home Depot and Lowe's Home Improvement Centers, information at the Cloud Lake Town Hall, all public libraries and other government offices.

See the Community Information "Hurricane and Severe Weather" section in the front of the Yellow Pages telephone directory.

- Palm Beach County Flood information is also available on the county website at www.readyabc.org, and on facebook, and twitter with links to FEMA, South Florida Water Management District, National Weather Service, NOAA, etc. and the County also has a free smartphone app (pbcdart) on Apple and Android
- Also check www.FloodSmart.gov
- FEMA and Red Cross brochures and other related information is available at the Cloud Lake Town Hall, 100 Lang Road. For more information contact the Town Clerk.

IMPORTANT PHONE NUMBERS:

- CLOUD LAKE TOWN HALL 686-2815
- TOWN CLERK'S CELL # 373-7708
- POLICE & FIRE EMERGENCY 911
- SHERIFF'S DEPT (non-emergency) 688-3400
- FPL www.FPL.com or 1-800-4OUTAGE
- BELL SOUTH 877-737-2478
- COMCAST 848-1600 or 800-266-2278
- PBC WATER UTILITIES 740-4600
- FLORIDA PUBLIC UTILITIES 832-0872
- ANIMAL CARE & CONTROL 233-1200
- PBC EMERGENCY MANAGEMENT 712-6400
- PBC CRISIS LINE (EMOTIONAL SUPPORT) 211
- SALVATION ARMY 725-2269 or 688-3530
- RED CROSS 833-7711
- TRAFFIC SIGNAL DAMAGE 683-6885
- PBC HEALTH DEPARTMENT 840-4500
- SCHOOLS 357-7500 or 866-930.6001

IF YOU HAVE NOT PROVIDED THE TOWN CLERK WITH YOUR EMERGENCY CONTACT INFORMATION, DO SO IMMEDIATELY. IN THE EVENT YOU EVACUATE FOR A STORM EVENT OR WE ARE UNABLE TO LOCATE YOU REGARDING A STORM EVENT, WE NEED THE NAME AND PHONE NUMBER OF SOMEONE WHO WILL KNOW WHERE YOU ARE AND HOW WE CAN REACH YOU.

<u>PROPERTY ADDRESS</u>	<u>ADDRESSEE</u>
1454 SHANNONDALE ROAD	MARLIN & RAUL GARCIA
1455 SHANNONDALE ROAD	MICHEAL KLINGENSMITH
100 SHANNONDALE ROAD	ANA LOPEZ-ROSELL
101 SHANNONDALE ROAD	VACANT LOT - GRAVELIN
102 SHANNONDALE ROAD	AMY KIMES
103-W SHANNONDALE ROAD	KELLY DOUGHERTY
103-E SHANNONDALE ROAD	TONI & ROBERT PARENTE
104 SHANNONDALE ROAD	JULIETTA SWANSON
105 SHANNONDALE ROAD	ANTHONY MILLER
106 SHANNONDALE ROAD	DOT BOURGEOIS
107 SHANNONDALE ROAD	BERNICE RAYMOND
108 SHANNONDALE ROAD	MARTIN WEHNAU
109-A SHANNONDALE ROAD	RESIDENT
109-B SHANNONDALE ROAD	JEAN LAUROIE
109-C SHANNONDALE ROAD	RESIDENT
109-D SHANNONDALE ROAD	BETTY WILLIAMS
109-E SHANNONDALE ROAD	BILL LINGMAN
111 SHANNONDALE ROAD	AMARILIS & ERNESTO FONSECA
113 SHANNONDALE ROAD	AMARILIS & ERNESTO FONSECA
115 SHANNONDALE ROAD	RUSSELL S RICHARDSON
115 ½ SHANNONDALE ROAD	ELIISA BRITO & RONALD SALAZAR
200 SHANNONDALE ROAD	ERNESTO FONSECA
201-E SHANNONDALE ROAD	MS. TORRES
201-W SHANNONDALE ROAD	JEAN PAUL PAUCAR
202 SHANNONDALE ROAD	MARJORIE NEWELL
100 WILSON ROAD	JEHNNY JUUL & DEREK DUFFIELD
100 WILSON ROAD	PAT BEALL
101 WILSON ROAD	VACANT LOT - THOMPSON
102 WILSON ROAD	ERIKA
103 WILSON ROAD	JOHN DURANKO
104 WILSON ROAD	AMY KIMES
105-E WILSON ROAD	RESIDENT
105-W WILSON ROAD	BRISAIDA YAJAIRA RAMIREZ
106 WILSON ROAD	CHUCK & DOROTHY GRAVELIN
107 WILSON ROAD	CLAIRE & MICHEL RANGER
108 WILSON ROAD	VACANT LOT - LARISEY
110 WILSON ROAD	ERIK & HANNAH PETROVICK

<u>PROPERTY ADDRESS</u>	<u>ADDRESSEE</u>
-------------------------	------------------

100-A EAST CHANDLER ROAD	RESIDENT
100-B EAST CHANDLER ROAD	KYLE THOMPSON
101 EAST CHANDLER ROAD	MARION & PETER FLAGG
102 EAST CHANDLER ROAD	THOMAS WALLACE
104 EAST CHANDLER ROAD	SHERRY ICHAN & ROCKY DYAL
105 EAST CHANDLER ROAD	DAVID OOMS
106 EAST CHANDLER ROAD	BOB McINTOSH
107 EAST CHANDLER ROAD	RICHARD CASTIGLIA
108 EAST CHANDLER ROAD	BONNIE & PETER MALY
109 EAST CHANDLER ROAD	TERAH & ANDREW HICKS
111 EAST CHANDLER ROAD	KEITH & KATALIN MUNYAN
112 EAST CHANDLER ROAD	ROBERT & VIRGINIA JANTZ
1305 WEST CHANDLER ROAD	VIRGINIA STANDISH
200 LANG ROAD	DAISEY LIMON
201 LANG ROAD	CORY DOLLING
204 LANG ROAD	RESIDENT
300-A LANG ROAD	DANA GRUND
300-B LANG ROAD	RESIDENT
300-C LANG ROAD	JIM KOURNER
300-D LANG ROAD	RESIDENT
300-E LANG ROAD	RESIDENT
301 LANG ROAD	KEN BURTON
302 LANG ROAD	RUSSELL NIDY
303 & 305 LANG ROAD	DENNIS & TINA ERISEY
304 LANG ROAD	KATIE HOOCK & TYLER THOMPSON
306 LANG ROAD	PAT & BETH SLATERY
301 ISLAND ROAD	JACK LUCAS
305 ISLAND ROAD	MARTIN SLATERY
1400 SOUTHERN BOULEVARD	KELLY MAUDSLEY - MAUDSLEY & ASSOCIATES
1412 SOUTHERN BOULEVARD	JOSEPH MUSCARELLE

Part III.A.7.

Illicits, Brochures, Newsletters

Proactive Illicit Discharge/Illegal Connection Inspection Form
-Town of Cloud Lake -

Date of Inspection: 9-28-2018

Address of Facility OR General Description of Area Inspected: TOWN HALL PROPERTY

Identification of MS4 component that could receive discharge from this site/area:

- 1.) catch basins drain to lakes then to WPB Stub Canal then C-51 Canal then Lake Worth Lagoon
- 2.) FDOT pond drains to WPB Stub Canal then to C-51 Canal then to Lake Worth Lagoon

If Facility inspection, does type of business require an MSGP? YES NO
If yes, does this facility have one? YES NO

Findings:

Evidence of illicit connections to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of dumping/spills to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Evidence of wash water going to storm sewer?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Storage tanks leaking or improperly contained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Stockpiles/debris piles uncontained?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

If YES to any above, describe:

Type of Enforcement Action Taken:

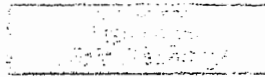
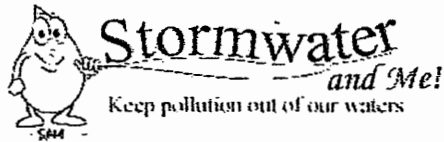
N/A

Date to verify elimination:

N/A

Date of Referral to FDEP of facility that may require MSGP:

N/A



- 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

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
 Jeremlah 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 Merlano - (561) 656-0310

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

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

For any website related issues please contact Brian Einkauf at 561-683-3211 (24hrs. only).

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 Dillion - (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

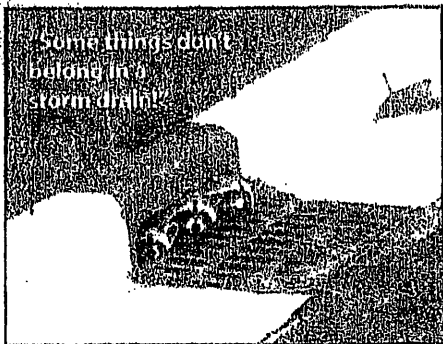
West Palm Beach, City of
Operations and Maintenance Superintendent
(Monday-Friday 7:00am - 3:30pm) - (561) 822-2185
Central Dispatch (561) 822-2210

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



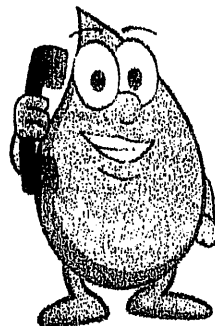
How you can help...

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

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

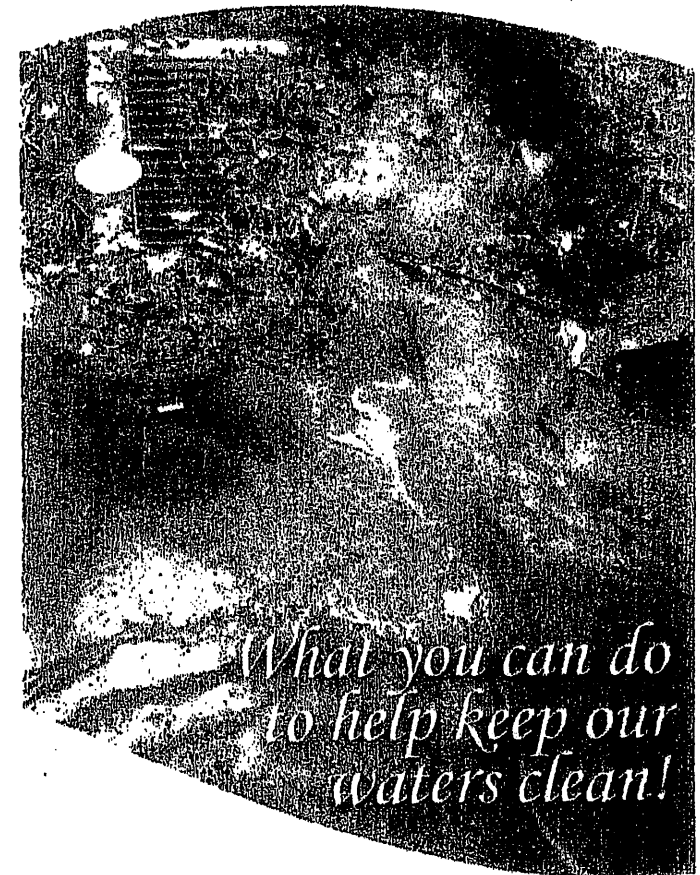
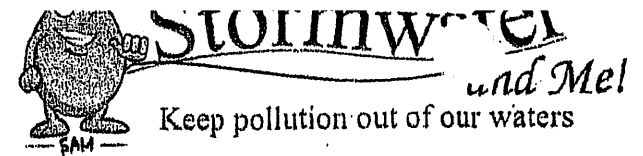
Call the local entity responsible for the stormwater system.
(A reporting list may be found at www.StormwaterAndMe.org).

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

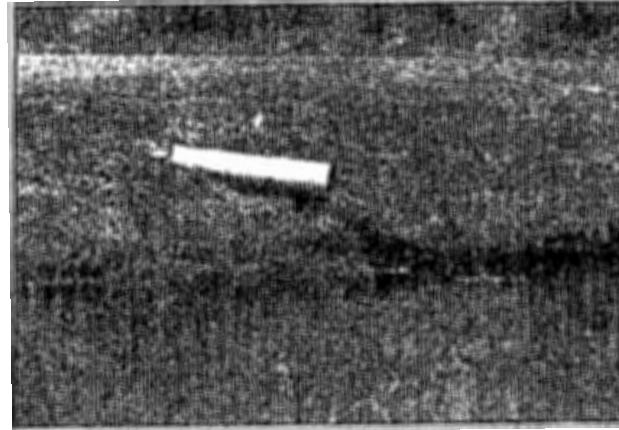


Reporting Illegal Dumping and Illicit Discharges

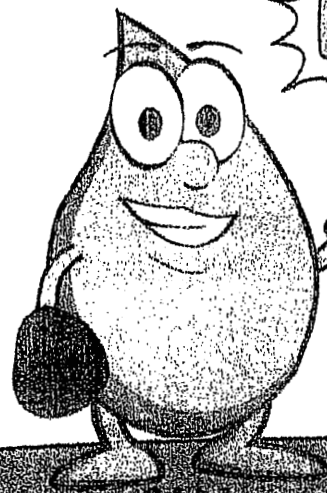
Did you know...

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.



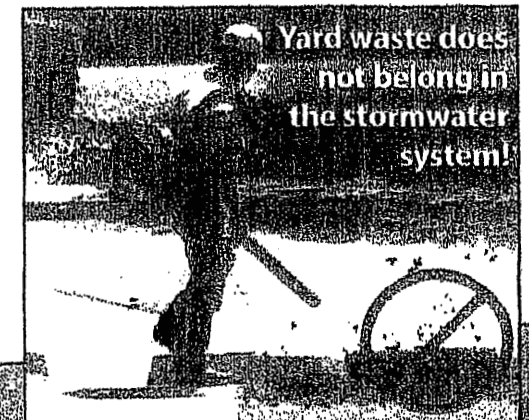
K'POW!



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

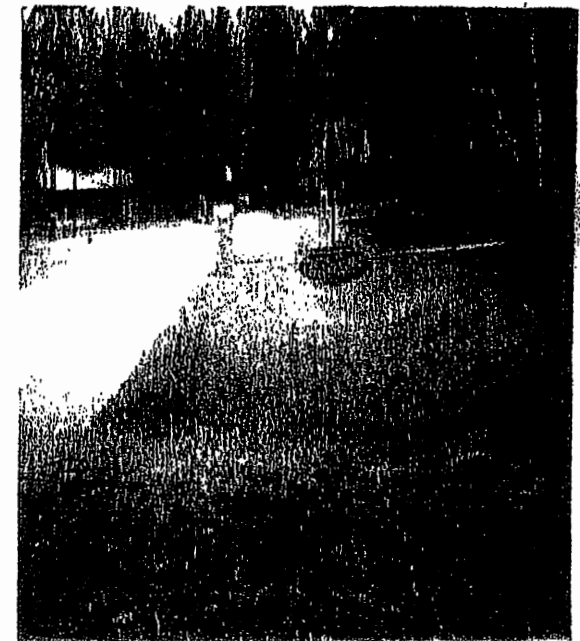
- Waterfront property owners should build a swale and berm system to intercept runoff and pollutants from their yard.
 - Swales can be used between lots and at the rear of lots to intercept and retain runoff.
 - Swales can be used on residential and commercial land uses to collect roof runoff.
- ## •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

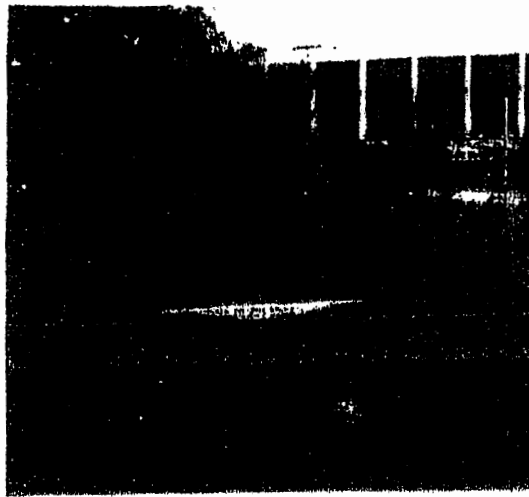
As land is developed the volume, speed of flow, and pollutant loading of runoff increases. To minimize downstream flooding and protect lives and property, and to reduce pollution of water bodies, stormwater management practices are used to retain, detain, and/or filter the runoff.

WHAT IS A SWALE?

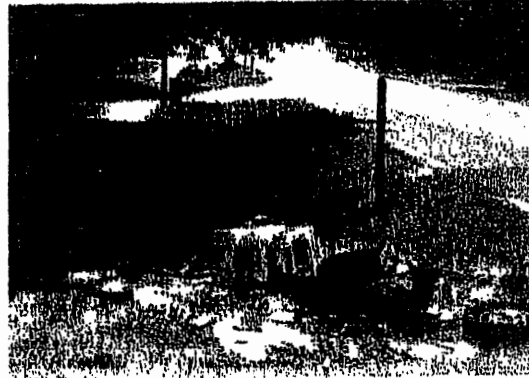
Swales are one of the most commonly used stormwater practices. For many years they have been used along rural highways and residential streets to convey runoff. Today, swales not only convey stormwater but also help to treat runoff to reduce pollutants.

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

**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



**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...**

Properly Dispose of Household Hazardous Waste



Everyday products we use to clean and beautify our homes, to maintain cars, control pests, or remove stains from clothing and carpet can be hazardous to us and our environment when improperly handled. Some common materials used in our household become hazardous wastes if we pour them on the ground or down the drain, bury them, or throw them away with regular garbage. Improper disposal of household hazardous products may contaminate our drinking water, endanger wildlife, cause damage to septic and sewer systems, and harm the environment we treasure here in Palm Beach County.

To help protect the environment. Always carefully read product labels to learn about proper usage, storage and disposal.

When products are used sparingly, safely and are disposed of properly, hazards to ourselves and our environment are virtually eliminated. But just one careless person's actions can affect our environmental future in Palm Beach County. So spread the word to family and friends that pollution prevention starts at home.

AUTO FLUIDS

Used motor oil collection centers are set up throughout Palm Beach County.

For the location nearest you call 1-800-741-4DEP. Antifreeze, gasoline/diesel fuel, transmission/brake fluid, engine cleaners, degreasers, waxes, & other auto fluids should be brought to the SWA hazardous waste collection facility nearest you.



PAINTS

Latex paint (water-based) can be dried out and thrown away in

your garbage. To dry the paint: Remove lid. Add sand, cat litter, or saw dust. Leave uncovered. Aerosol spray cans can be sprayed until empty (on a board or newspaper) then placed in your garbage. Oil based paints, stains and solvents will not dry out and should never be placed in your garbage. Bring them to the SWA hazardous waste collection facility nearest you.

POOL CHEMICALS

Deliver any leftover materials to the SWA household hazardous waste collection facility nearest you.



SHARPS

The Palm Beach County Public Health Unit has a used sharp depository program for the proper disposal of used needles. For more information and locations call 561-355-3015.



PESTICIDE

Empty containers can be rinsed (the rinse water is the target area, when spraying),

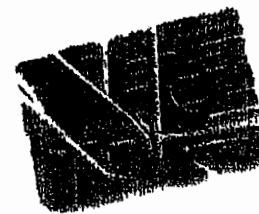
wrapped in newspaper, and put in your garbage. Unusable/leftover pesticides should be brought to the SWA household hazardous waste collection facility nearest you.

RECHARGEABLE BATTERIES

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

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

Auto batteries can be brought to your retailer when purchasing a new battery or brought to one of the SWA hazardous waste drop-off centers.

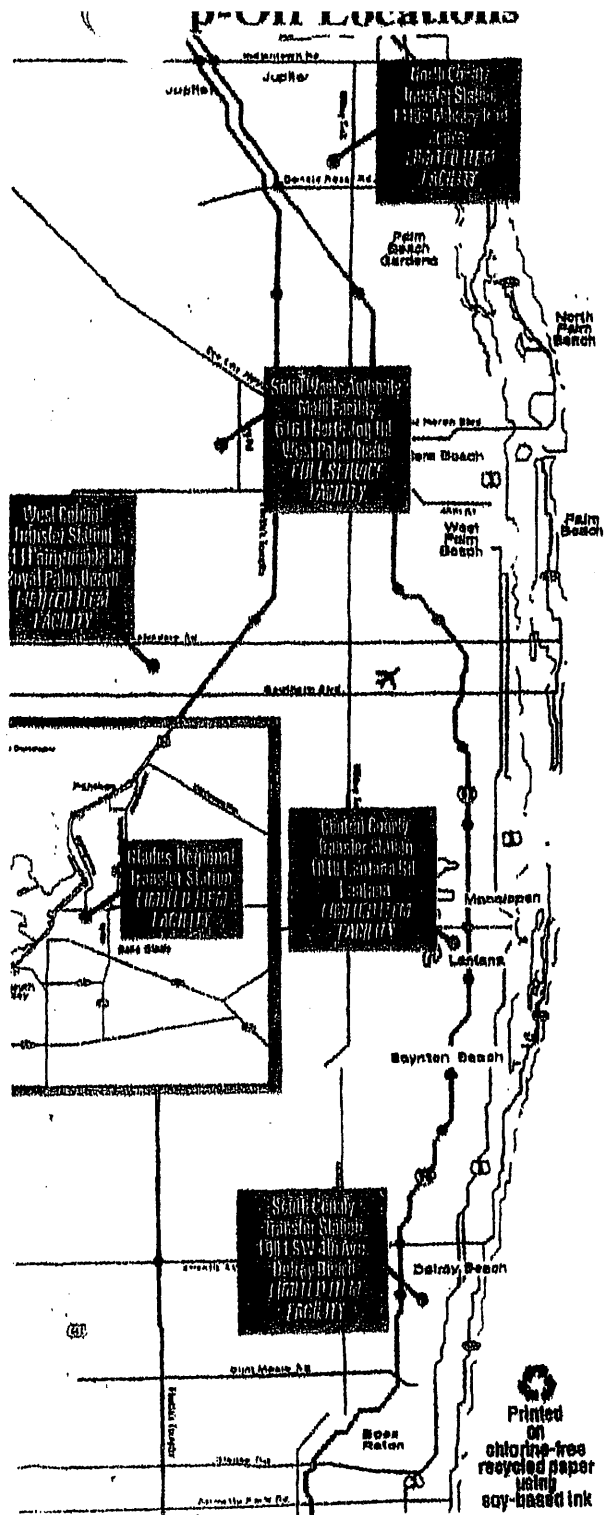


FLUORESCENT BULBS

These should never be placed in your garbage due to leaks of small amounts of mercury. Do not break the bulb. If possible place bulb in original box. Take to a SWA household hazardous waste collection center nearest you. Other mercury containing devices such as thermostats, thermometers, electrical switches and liquid mercury should also be brought to your nearest SWA hazardous waste collection center.

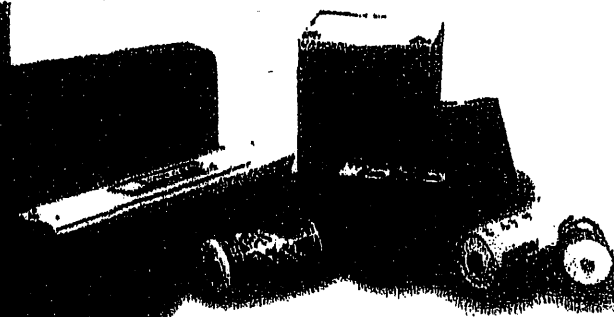
PREVENT HOUSEHOLD HAZARDOUS WASTE

What should you do with your old batteries?



Rechargeable batteries are safely processed and properly disposed of at the Solid Waste Authority of Palm Beach County and in accordance with Department of Environmental Protection guidelines.

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.



As a consumer of rechargeable Ni-Cd batteries, you have the power to prevent environmental pollution by properly disposing of this product.

Your Pollution Prevention Guide to Using, Storing, and Properly Disposing of Household Batteries

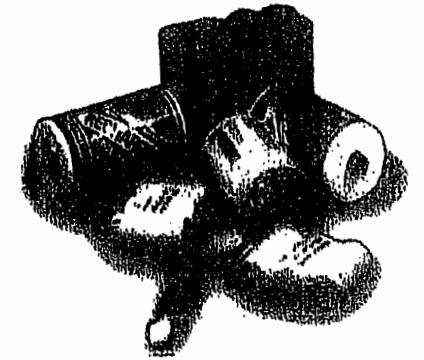
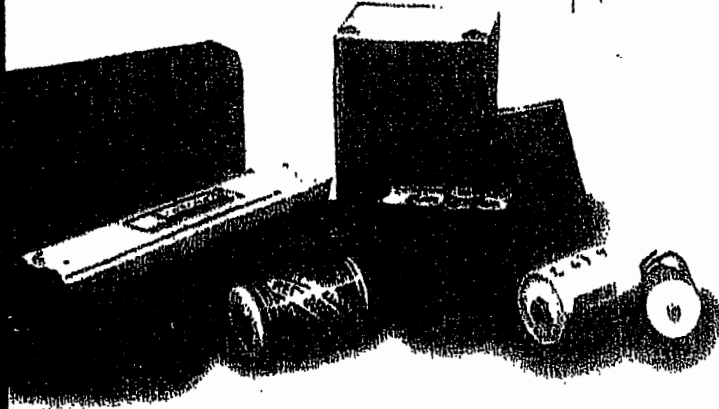
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on
chlorine-free
recycled paper
using
soy-based ink



and disposing of household batteries:

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**



Pool chemicals allow us to have fun in the sun by keeping our pools clean, inviting and free of algae and bacteria. Pool chemicals work because they are powerful chemical agents. But used carelessly, these same chemicals can be dangerous to people and pets because of certain corrosive, irritating, and poisonous ingredients.

Pool chemicals can be equally harmful to our natural environment when used, stored, or disposed of incorrectly.

Proper usage, storage, and disposal of products are the responsibilities of all consumers. Please take a moment now to think about preventing environmental pollution by properly handling and disposing of pool chemicals.

Here's a general guide for the safe usage, storage, and proper disposal of pool chemicals:

PRODUCT

Pool Chemicals
Chlorine liquid
or tablets

Muriatic Acid

Algaecides

Sodium Carbonate
Ph Increaser

PROPER USE

Buy only what you need and in the smallest quantity possible.

Read and follow directions on labels. If the labels are not clear, ask your salesperson for more information or call the Solid Waste Authority.

Never use these chemicals in the presence of children.

When measuring the chemicals be sure that your measurements are as exact as possible.

Use a different measuring device for each chemical.

PROPER STORAGE

Store in a tightly sealed, original container and place in a locked room. If a container begins to leak or rust, store it in a larger container to catch the leak.

Prevent spillage due to brittle containers, by examining them periodically.

Examine muriatic acid containers very closely.

PROPER DISPOSAL

Deliver leftover material to a Solid Waste Authority (SWA) household hazardous waste facility. This free service is available to Palm Beach County residents. See map on the back of this guide for a location near you.

Promptly dispose of muriatic acid waste by delivering this material to the Solid Waste Authority. Don't wait for containers to become brittle and leaky.

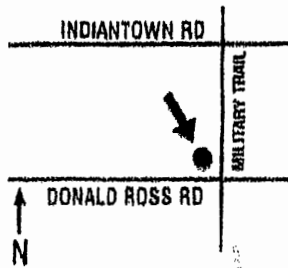
Businesses interested in delivering pool chemicals to the Solid Waste Authority should contact the SWA at 687-1100 for information about qualifying as a small quantity generator.



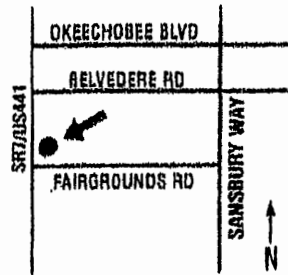
**PREVENT
HOUSEHOLD
HAZARDOUS
WASTE**



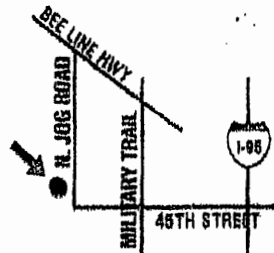
Mon Friday 7 am - 4:30 pm • Saturday 7 am - noon



North County Transfer Station
14185 Military Trail
Jupiter

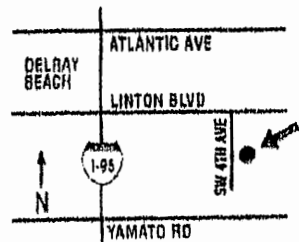


West Central Transfer Station
9743 Fairgrounds Road
Royal Palm Beach



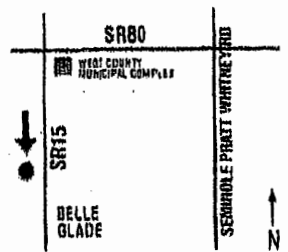
Household Hazardous
Waste Collection Facility
6161 North Jog Road
West Palm Beach

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.



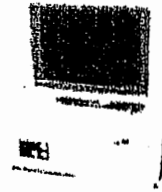
GAS CYLINDERS

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].

CLOUD LAKE FLOOD FACTS – IMPORTANT

INFORMATION REGARDING FLOODING RISKS

Cloud Lake is a participant in the National Flood Insurance Program (NFIP) Community Rating System (CRS) working diligently to maintain a 20% reduction in flood insurance premiums for property owners in the Special Flood Hazard Areas (entire Town except lot 8, block 4). During periods of heavy rainfall areas are subject to flooding. This information will address areas to protect you and reduce loss of value to your property. **BECAUSE YOU ARE IN THE SPECIAL FLOOD HAZARD AREAS, YOU SHOULD CONSIDER THE PURCHASE OF FLOOD INSURANCE.** This information will address areas to protect you and reduce loss of value to your property.

FLOOD INSURANCE: Are You Insured?: Flooding is not covered by homeowners or standard property insurance, but you can protect your home and its contents with flood insurance through the National Flood Insurance Program (NFIP) which is backed by the Federal Government. **Homes and businesses with mortgages from federally regulated or insured lenders in high risk flood areas are required to have flood insurance.** The amounts of flood insurance available are **\$250,000 for the building and \$100,000 for the contents for residential property, \$100,000 for renter contents, and \$500,000 for the building and \$500,000 for the contents for small businesses.** There is a 30 day waiting period before coverage goes into effect. Flood Insurance is easy to obtain and is sold by most insurance agents, contact an insurance agent or NFIP at 1-888-379-9531 to request an agent referral. Visit www.FloodSmart.gov or call **1-800-427-2419** to learn how to prepare for floods, the benefits of protecting against floods, and how to purchase a National Flood Insurance Policy.

FLOOD INSURANCE RATE MAPS: New Flood Insurance Rate Maps for all of Palm Beach County went into effect October 5, 2017. The Town Clerk's Office is the primary source of information regarding Flood Insurance Rate Maps. It is important to know the Base Flood Elevation of any property and the flood insurance requirements if applicable. Elevation Certificates are available at the Town Hall. Call (561) 686-2815 if you have any questions.

FLOOD HAZARD THREAT: Hurricane season begins June

1st and extends to November 30th each year. Flooding in Cloud Lake is caused primarily by heavy rains that occur in a short period of time. The Town is also prone to flooding from rising waters but has been able to prevent the flooding from rising lake waters in Cloud Lake (lake) and Gem Lake with the operation of the pump system. It is important that you know and understand the degree to which your property may be at risk to flood damage.

ASSISTANCE AVAILABLE: Information is provided by the Town regarding flood hazards, flood insurance, and flood protection & mitigation measures designed to correct existing deficiencies in flood prone construction. Upon request, the property owner is provided site-specific and flood related data including site visits to review past flooding, historical flood levels and high water mark locations, repetitive loss areas, photos of past flooding, and data related to your property for you to decide what action to take. Call (561) 686-2815.

PROPERTY PROTECTION MEASURES: Flooding causes more property damage in the United States than any other type of natural disaster. Just 1" of water inside your home can be costly and cause damage. Recent construction practices and regulations have made new homes less prone to flooding, but many existing structures remain susceptible.

- Protect your structure from flying debris by boarding your windows and doors.
- Insure the doors and jambs withstand hurricane pressures.
- Strengthen garage doors that do not meet the new code.
- Retrofitting is another approach to reduce flooding because the property itself remains subject to flooding but the building is modified to prevent or minimize flooding of living space.

If flooding threatens, consider taking the following actions:

- Sandbagging to reduce erosion and scouring
- Elevate furniture above flood protection levels.
- Create floodway openings in non-habitable areas

Property owners may wish to elevate (raise) or relocate structures that are prone to flood damage. **For information on retrofitting or floodproofing your structure to reduce the impact of flooding, call (561) 686-2815 or visit the County Emergency Management website at www.pbcgov.org/dem.**

FLOOD REFERENCE LIBRARY: The Town of Cloud Lake, 100 Lang Road and the Palm Beach County Central Library, 3650 Summit Blvd., West Palm Beach maintains a listing of flood insurance sources and references concerning flood protection and preparedness. Take advantage of these flood information resources and utilize the County Emergency Management website, www.pbcgov.org/dem.

FLOOD SAFETY MEASURES: Flood safety begins with being alert to the changing weather conditions that can bring floods. Residents should tune to local TV and radio weather broadcasts and be alert to special local advisories. Safety includes having a personal family evacuation plan and survival kit ready for use in the event of flooding along with a Pet Plan if you have pets. If you need assistance or transportation during an evacuation because of age, handicap or other special needs, contact the Palm Beach County Emergency Management Office. To register, call 712-6400 or go to www.pbcgov.org/dem. If you are going to remain home you need to ensure that you have sufficient **food, water, and supplies for at least 5-7 days.**

Before the Storm: Know Palm Beach County's Flood Warning Procedures. You may want to keep plywood, plastic sheeting, lumber and materials on hand to help prepare your property for the storm and to aid in emergency repairs afterwards. Palm Beach County will operate shelters as needed. Listen to local media, connect with Emergency Management on facebook PBCDEM or twitter @PBCDEM, download free app PBCDART, sign up ALERTPBC (via phone calls, text messaging, e-mail) at www.readyabc.com or call the County Emergency Operations Center at 712-6400. If you plan to evacuate, plan your evacuation in advance. Contact the Town Clerk at 686-2815 to provide your contact numbers or for evacuation routes, shelter locations, and a list of what to take with you.

Storm Preparation: Keep a battery powered radio or TV tuned in to local stations. Place important documents inside plastic bags or other waterproof containers. If evacuating, prepare your home prior to evacuation. Turn off all gas and electricity, with the possible exception of your refrigerator. Do not touch any electrical equipment if you are wet or standing in water. Fill your tubs, sinks and any available containers with fresh water in case fresh water is not available after the storm. Board your windows to protect them from flying debris. Move as many valuables as possible to higher elevations. Elevate your furniture if possible. Avoid running washes of water and/or unstable banks.

During and After the Storm: Do not walk through flowing water. Drowning is the number one cause of flood deaths. If you need to walk in standing water, use a pole or stick to see how deep the water is. Do not drive through a flooded area. Don't drive around road barriers. Stay away from power lines and electrical wires. Report downed power lines immediately to Florida Power & Light (561) 697-8000 or 1-800-4OUTAGE or the Palm Beach County Sheriff's Department at 561-688-3000 or 911.

FLOOD WARNING SYSTEMS: The Palm Beach County

Emergency Operations Center works with the Town, South Fla. Water Management District, National Weather Service and the National Hurricane Center to monitor flood and storm threats and advise accordingly. The County depends on the National Weather Service to issue flood advisories at least six (6) hours before the expected rainfall would overflow drainage systems and cause the ponding of water. Stay tuned to local TV or radio stations known to have an active weather and news bureau for information. Listen to weather band radio frequency 162.475 MHz. Areas affected will be identified in the broadcast. If you live in the safe area, be prepared to stay in your home. If your area is ordered to evacuate, leave immediately. A listing of Approved Shelters and more information on flood warning is available at Town Hall, call (561) 686-2815 or at www.readyabc.org

FLOODPLAIN MANAGEMENT: With Town participation in the NFIP, the Town administers flood management regulations designed to minimize the potential flood losses, such as requiring the elevations of living floor areas. The Town has adopted Stormwater Management Regulations requiring Stormwater Management Plans for new construction. The construction of these plans will be able to reduce flood peaks and duration, provide additional storage when needed, and improve and maintain surface and ground water quality. To prevent further flood damage, in October 2008, the Town Council declared the area at the east end of lake Cloud Lake to remain undeveloped as a passive park/nature preserve. FDOT maintains a 1.5 acre stormwater detention pond collecting excess rain water in addition to 2 lakes (6.87 acres) in Town all discharging into the Stub Canal.

FLOODPLAIN PERMIT REQUIREMENTS: Any development in Cloud Lake requires a permit. Through this process the Town insures development is taking place according to flood regulations. The Town's Permitting Review Process is necessary to allow the Town to participate in the National Flood Insurance Program (NFIP), making flood insurance available for residents to obtain. Contact the Town Clerk prior to any construction activities. If you see development occurring without permits, protect your rights and the Town's participation in the NFIP program by contacting the Town Clerk at 686-2815.

SUBSTANTIAL IMPROVEMENT REQUIREMENTS: The National Flood Insurance Program requires that if the cost of reconstruction, rehabilitation, addition, or other improvements to a building equals or exceeds 50% of the building's market value, then the building must meet the same construction requirements as a new building. Substantially damaged buildings must also be brought up to the same standards.

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- Palm Beach County Flood information is also available on the county website at www.readyabc.org, and on facebook, and twitter with links to FEMA, South Florida Water Management District, National Weather Service, NOAA, etc. and the County also has a free smartphone app (pbcdart) on Apple and Android
- Also check www.FloodSmart.gov
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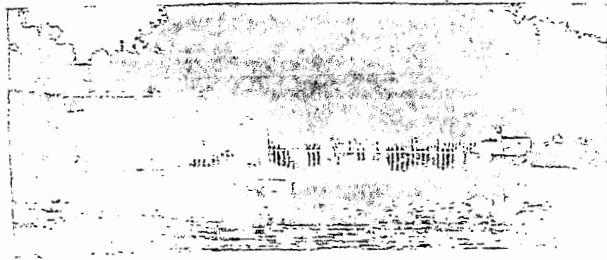
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- TOWN CLERK'S CELL # 373-7708
- POLICE & FIRE EMERGENCY 911
- SHERIFF'S DEPT (non-emergency) 688-3400
- FPL www.FPL.com or 1-800-4OUTAGE
- BELL SOUTH 877-737-2478
- COMCAST 848-1600 or 800-266-2278
- PBC WATER UTILITIES 740-4600
- FLORIDA PUBLIC UTILITIES 832-0872
- ANIMAL CARE & CONTROL 233-1200
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- TRAFFIC SIGNAL DAMAGE 683-6885
- PBC HEALTH DEPARTMENT 840-4500
- SCHOOLS 357-7500 or 866-930.6001

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CLOUD LAKE FLOOD FACTS – IMPORTANT



INFORMATION REGARDING FLOODING RISKS

Cloud Lake is a participant in the National Flood Insurance Program (NFIP) Community Rating System (CRS) working diligently to maintain a 20% reduction in flood insurance premiums for property owners in the Special Flood Hazard Areas (entire Town except lot 8, block 4). During periods of heavy rainfall areas are subject to flooding. This information will address areas to protect you and reduce loss of value to your property. **BECAUSE YOU ARE IN THE SPECIAL FLOOD HAZARD AREAS, YOU SHOULD CONSIDER THE PURCHASE OF FLOOD INSURANCE.** This information will address areas to protect you and reduce loss of value to your property.

FLOOD INSURANCE: Are You Insured?: Flooding is not covered by homeowners or standard property insurance, but you can protect your home and its contents with flood insurance through the National Flood Insurance Program (NFIP) which is backed by the Federal Government. Homes and businesses with mortgages from federally regulated or insured lenders in high risk flood areas are required to have flood insurance. The amounts of flood insurance available are \$250,000 for the building and \$100,000 for the contents for residential property, \$100,000 for renter contents, and \$500,000 for the building and \$500,000 for the contents for small businesses. There is a 30 day waiting period before coverage goes into effect. Flood Insurance is easy to obtain and is sold by most insurance agents, contact an insurance agent or NFIP at 1-888-379-9531 to request an agent referral. Visit www.FloodSmart.gov or call 1-800-427-2419 to learn how to prepare for floods, the benefits of protecting against floods, and how to purchase a National Flood Insurance Policy.

FLOOD INSURANCE RATE MAPS: New Flood Insurance Rate Maps for all of Palm Beach County went into effect October 5, 2017. The Town Clerk's Office is the primary source of information regarding Flood Insurance Rate Maps. It is important to know the Base Flood Elevation of any property and the flood insurance requirements if applicable. Elevation Certificates are available at the Town Hall. Call (561) 686-2815 if you have any questions.

FLOOD HAZARD THREAT: Hurricane season begins June

1st and extends to November 30th each year. Flooding in Cloud Lake is caused primarily by heavy rains that occur in a short period of time. The Town is also prone to flooding from rising waters but has been able to prevent the flooding from rising lake waters in Cloud Lake (lake) and Gem Lake with the operation of the pump system. It is important that you know and understand the degree to which your property may be at risk to flood damage.

ASSISTANCE AVAILABLE: Information is provided by the Town regarding flood hazards, flood insurance, and flood protection & mitigation measures designed to correct existing deficiencies in flood prone construction. Upon request, the property owner is provided site-specific and flood related data including site visits to review past flooding, historical flood levels and high water mark locations, repetitive loss areas, photos of past flooding, and data related to your property for you to decide what action to take. Call (561) 686-2815.

PROPERTY PROTECTION MEASURES: Flooding causes more property damage in the United States than any other type of natural disaster. Just 1" of water inside your home can be costly and cause damage. Recent construction practices and regulations have made new homes less prone to flooding, but many existing structures remain susceptible.

- Protect your structure from flying debris by boarding your windows and doors.
- Insure the doors and jambs withstand hurricane pressures.
- Strengthen garage doors that do not meet the new code.
- Retrofitting is another approach to reduce flooding because the property itself remains subject to flooding but the building is modified to prevent or minimize flooding of living space.

If flooding threatens, consider taking the following actions:

- Sandbagging to reduce erosion and scouring
- Elevate furniture above flood protection levels.
- Create floodway openings in non-habitable areas

Property owners may wish to elevate (raise) or relocate structures that are prone to flood damage. For information on retrofitting or floodproofing your structure to reduce the impact of flooding, call (561) 686-2815 or visit the County Emergency Management website at www.pbem.com/fla.

FLOOD REFERENCE LIBRARY: The Town of Cloud Lake, 100 Lang Road and the Palm Beach County Central Library, 3650 Summit Blvd., West Palm Beach maintains a listing of flood insurance sources and references concerning flood protection and preparedness. Take advantage of these flood information resources and utilize the County Emergency Management website, www.pbem.com/fla.

FLOOD SAFETY MEASURES: Flood safety begins with being alert to the changing weather conditions that can bring floods. Residents should tune to local TV and radio weather broadcasts and be alert to special local advisories. Safety includes having a personal family evacuation plan and survival kit ready for use in the event of flooding along with a Pet Plan if you have pets. If you need assistance or transportation during an evacuation because of age, handicap or other special needs, contact the Palm Beach County Emergency Management Office. To register, call 712-6400 or go to www.pbcgov.com/em. If you are going to remain home you need to ensure that you have sufficient food, water, and supplies for at least 5-7 days.

Before the Storm: Know Palm Beach County's Flood Warning Procedures. You may want to keep plywood, plastic sheeting, lumber and materials on hand to help prepare your property for the storm and to aid in emergency repairs afterwards. Palm Beach County will operate shelters as needed. Listen to local media, connect with Emergency Management on facebook PBCDEM or twitter @PBCDEM, download free app PBCDART, sign up ALERTPBC (via phone calls, text messaging, e-mail) at www.pbcgov.com or call the County Emergency Operations Center at 712-6400. If you plan to evacuate, plan your evacuation in advance. Contact the Town Clerk at 686-2815 to provide your contact numbers or for evacuation routes, shelter locations, and a list of what to take with you.

Storm Preparation: Keep a battery powered radio or TV tuned in to local stations. Place important documents inside plastic bags or other waterproof containers. If evacuating, prepare your home prior to evacuation. Turn off all gas and electricity, with the possible exception of your refrigerator. Do not touch any electrical equipment if you are wet or standing in water. Fill your tubs, sinks and any available containers with fresh water in case fresh water is not available after the storm. Board your windows to protect them from flying debris. Move as many valuables as possible to higher elevations. Elevate your furniture if possible. Avoid running washes of water and/or unstable banks.

During and After the Storm: Do not walk through flowing water. Drowning is the number one cause of flood deaths. If you need to walk in standing water, use a pole or stick to see how deep the water is. Do not drive through a flooded area. Don't drive around road barriers. Stay away from power lines and electrical wires. Report downed power lines immediately to Florida Power & Light (561) 697-8000 or 1-800-4OUTAGE or the Palm Beach County Sheriff's Department at 561-688-3000 or 911.

FLOOD WARNING SYSTEMS: The Palm Beach County

Emergency Operations Center works with the Town, South Fla. Water Management District, National Weather Service and the National Hurricane Center to monitor flood and storm threats and advise accordingly. The County depends on the National Weather Service to issue flood advisories at least six (6) hours before the expected rainfall would overflow drainage systems and cause the ponding of water. Stay tuned to local TV or radio stations known to have an active weather and news bureau for information. Listen to weather band radio frequency 162.475 MHz. Areas affected will be identified in the broadcast. If you live in the safe area, be prepared to stay in your home. If your area is ordered to evacuate, leave immediately. A listing of Approved Shelters and more information on flood warning is available at Town Hall, call (561) 686-2815 or at www.pbcgov.com

FLOODPLAIN MANAGEMENT: With Town participation in the NFIP, the Town administers flood management regulations designed to minimize the potential flood losses, such as requiring the elevations of living floor areas. The Town has adopted Stormwater Management Regulations requiring Stormwater Management Plans for new construction. The construction of these plans will be able to reduce flood peaks and duration, provide additional storage when needed, and improve and maintain surface and ground water quality. To prevent further flood damage, in October 2008, the Town Council declared the area at the east end of lake Cloud Lake to remain undeveloped as a passive park/nature preserve. FDOT maintains a 1.5 acre stormwater detention pond collecting excess rain water in addition to 2 lakes (6.87 acres) in Town all discharging into the Stub Canal.

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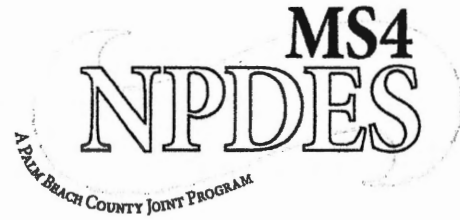
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304 LANG ROAD	KATIE HOOCK & TYLER THOMPSON
306 LANG ROAD	PAT & BETH SLATERY
301 ISLAND ROAD	JACK LUCAS
305 ISLAND ROAD	MARTIN SLATERY
1400 SOUTHERN BOULEVARD	KELLY MAUDSLEY - MAUDSLEY & ASSOCIATES
1412 SOUTHERN BOULEVARD	JOSEPH MUSCARELLE

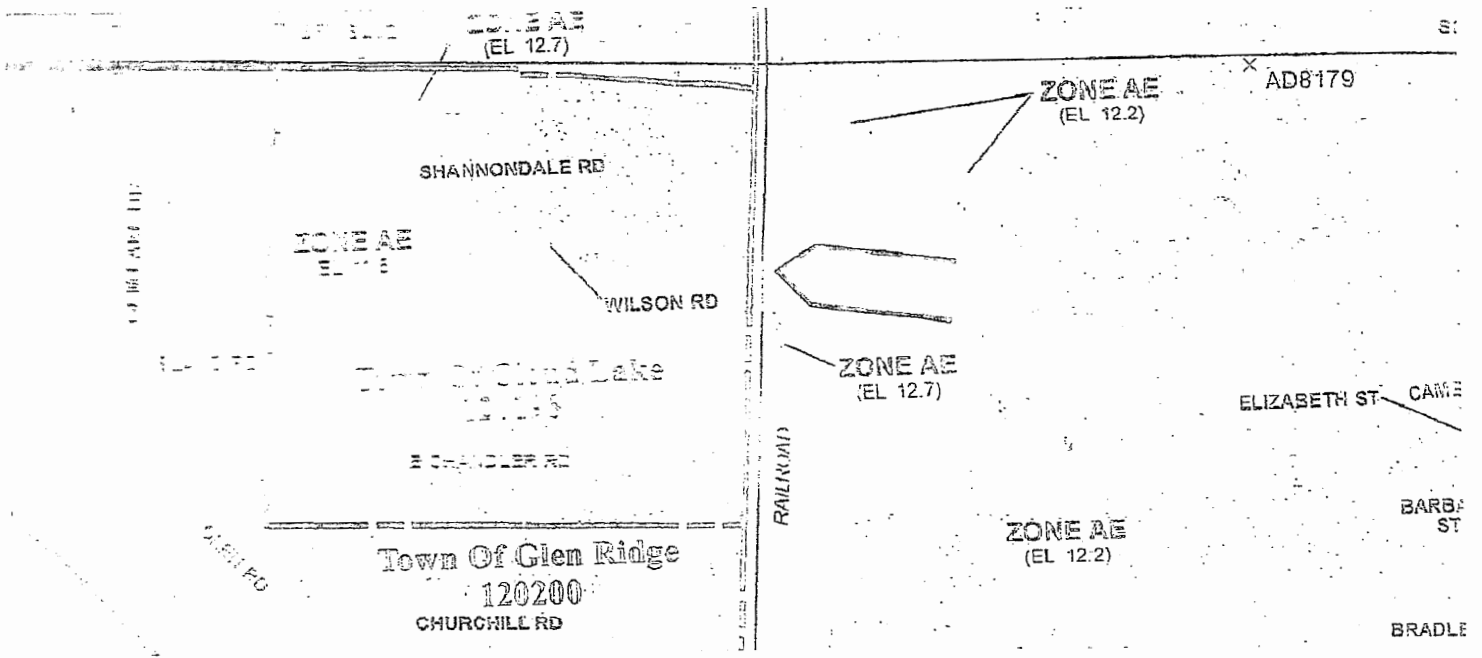
Palm Beach County NPDES

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	561 466 0884
17	Ruby Smith	Villages of Tequesta	(561) 763-0493
18	Jay Fox	LCS, HH, HPL, ITM, TSPR	242-0028
19	[Faded]	[Faded]	[Faded]
20	[Faded]	[Faded]	[Faded]
21	Machelle St. Clair	City of J.R.B.	777-4255
22	Mary Park	City of J.R.B.	(561) 777-6816
23	[Faded]	[Faded]	[Faded]
24	[Faded]	[Faded]	[Faded]
25	[Faded]	City of Palm Beach Gardens	561 302 5400
26	[Faded]	[Faded]	[Faded]
27	[Faded]	[Faded]	[Faded]
28	[Faded]	[Faded]	[Faded]



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A No Base Flood Elevations determined.
- ZONE AE Base Flood Elevations determined.
- ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



OTHER FLOOD AREAS

- ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

855000 FT

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302 LANG ROAD	RUSSELL NIDY
303 & 305 LANG ROAD	DENNIS & TINA ERISEY
304 LANG ROAD	KATIE HOOCK & TYLER THOMPSON
306 LANG ROAD	PAT & BETH SLATERY
301 ISLAND ROAD	JACK LUCAS
305 ISLAND ROAD	MARTIN SLATERY
1400 SOUTHERN BOULEVARD	KELLY MAUDSLEY - MAUDSLEY & ASSOCIATES
1412 SOUTHERN BOULEVARD	JOSEPH MUSCARELLE

Other

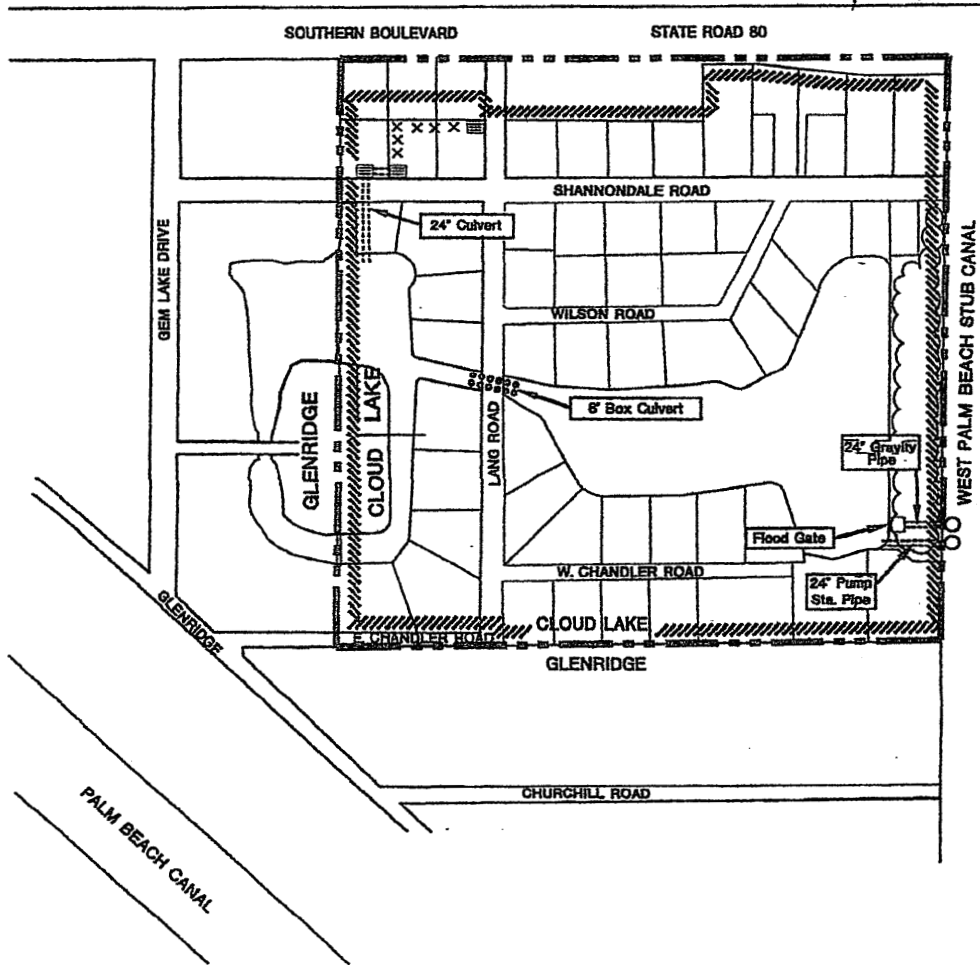
- Lake Elevations

- Drainage Map

ATTACHMENT 1

STORMWATER/DRAINAGE SYSTEM MAP

TOWN OF CLOUD LAKE
PALM BEACH COUNTY, FLORIDA



- Notes:
1. Nearly 35 acre, or 96% of the total Town of Cloud Lake municipal land area and all 105 acres contained within the Town of Glen Ridge corporate limits contribute to the overall Town of Cloud Lake Stormwater/Drainage system. Approximately 17 acres at the north end of the Town fronting Southern Blvd. (SR 80) contributes to the FDOT system.
 2. The Town of Glen Ridge Future Use Map is enclosed to show The municipal boundaries and are contributing to the Cloud Lake Systems.

LEGEND

- //// Town Stormwater/Drainage System Boundary
- Outfall
- Floodgate
- xxx Grass Swale
- ≡ Catch Basin
- == Pipe Drain
- Box Culvert



Source: Town of Cloud Lake and JLH Associates, 11/12



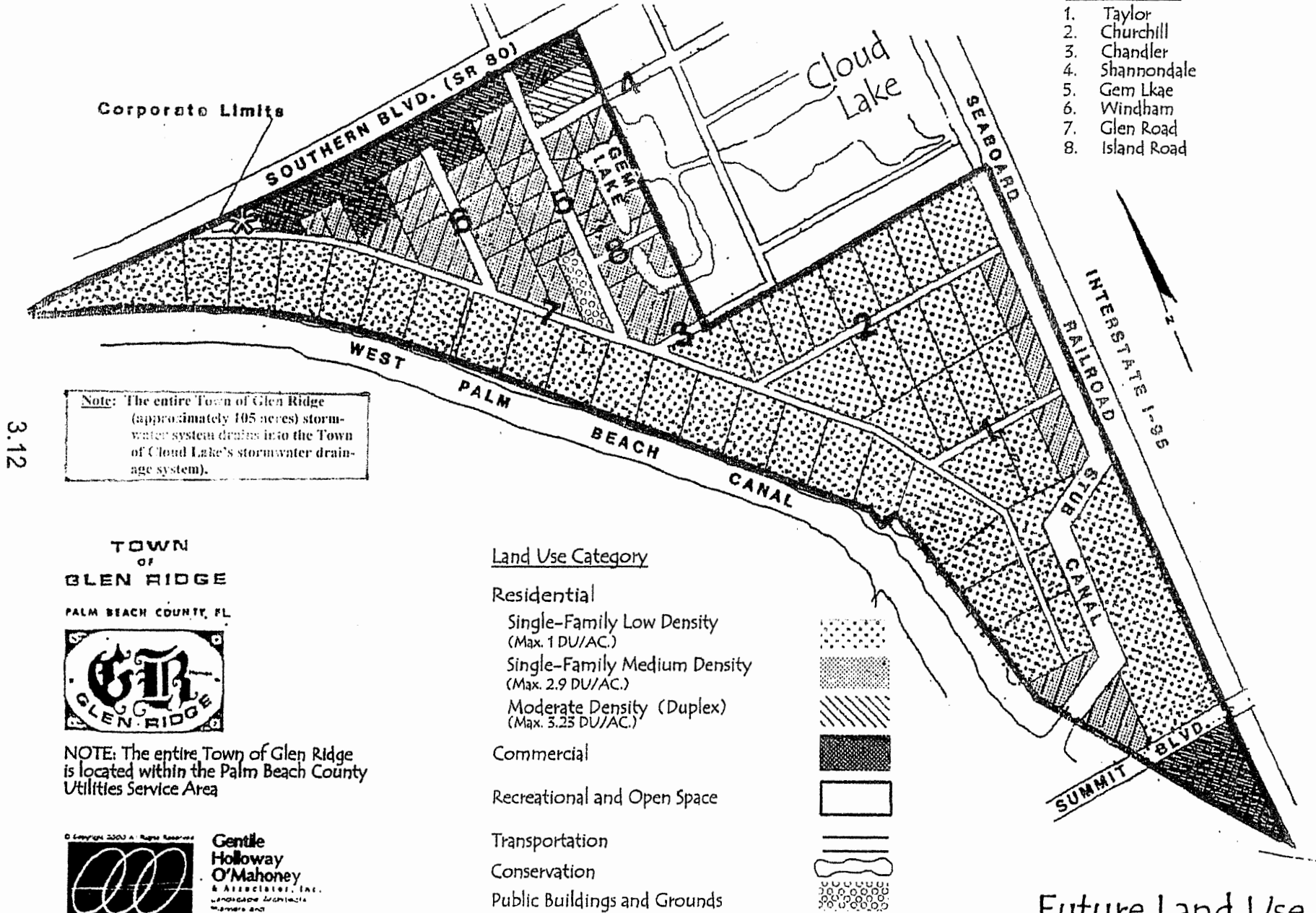
N.T.S

Attachment . (Continued)

“Town of Cloud Lake Stormwater/Drainage System Map”

Local Streets

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



3.12

Note: The entire Town of Glen Ridge (approximately 105 acres) stormwater system drains into the Town of Cloud Lake's stormwater drainage system).

TOWN OF GLEN RIDGE
PALM BEACH COUNTY, FL



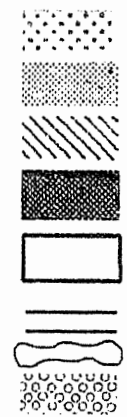
NOTE: The entire Town of Glen Ridge is located within the Palm Beach County Utilities Service Area



Gentle Holloway O'Mahoney & Associates, Inc.
Landscape Architects Planners and Environmental Consultants

Source: JLH Associates, 12/08

- 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



Future Land Use
FY- 2012/2013 - 2017/2018

Figure 3-4