

Minutes
Quarterly Teleconference for Florida Phase I MS4 NPDES Coordinators
Wednesday, June 26, 2019

Next quarterly teleconference for Phase I NPDES Coordinators:

- October 23, 2019
- Submit agenda items to Robin.Starkie@floridadep.gov.
- Sign up in GovDelivery for teleconference notifications.
https://public.govdelivery.com/accounts/FLDEP/subscriber/new?topic_id=FLDEP_439

NPDES Stormwater Contacts:

Borja Crane-Amores	Program Administrator	850-245-7520
Michelle Bull	Phase I MS4 Coordinator	850-245-7561
Steve Cioccia	Phase I MS4 Coordinator	850-245-8568
Jonathan Turner	Phase I MS4 Coordinator	850-245-8482
Hector Rivera	Phase II MS4 Coordinator	850-245-8667
Jason Maron	Phase II MS4 Coordinator	850-245-7568
Sarah Ketron	FDOT Coordinator/Rulemaking	850-245-8495

NOTES:

COASTAL RESILIENCE: Joe Bauer, DEP Office of Resilience & Coastal Protection
Joe Bauer gave a presentation (see attached) on multiple coastal flood mapping tools municipalities can use.

- The Nature Conservancy's Coastal Resilience mapper
(<https://maps.coastalresilience.org/>)
- NOAA's Coastal Flood Exposure Mapper
(<https://coast.noaa.gov/digitalcoast/tools/flood-exposure.html>)
- NOAA's Sea Level Rise Viewer (<https://coast.noaa.gov/digitalcoast/tools/slr.html>)
- UF GeoPlan/FDOT Sea Level Sketch Planning Tool
(<http://sls.geoplan.ufl.edu/#intro>)
- GulfTREE (<http://www.gulftree.org/>)

If you have questions about any of the tools or to schedule a meeting, contact Joe at:
Joseph.Bauer@FloridaDEP.gov or 850-245-2180.

FSA LOAD REDUCTION CALCULATOR UPDATES: Borja Crane-Amores

The FSA Load reduction calculator used for street sweeping has been updated. The most current version can be found on the FTP site and the DEP website.

ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/Phase_I_MS4s/FSA_LoadReductionTool/

Phase I MS4 links at: <https://floridadep.gov/water/stormwater/content/guidance-and-web-links>

Summary of the Tool:

The FSA MS4 Load Reduction Assessment Tool is used to quantify and report the amount of nutrients removed from storm sewer systems during common maintenance activities performed by MS4 permittees. Use of the Tool (and reporting the corresponding quantities) is mandatory for Phase I permit-holders and permissive for Phase II permit-holders. Among other things, the reported amount of nutrients removed is used to provide load reduction credits for MS4s in the BMAP process.

The Tool provides statistically significant numeric values (mg/kg) for total nitrogen (TN) and total phosphorus (TP) that are associated with particulate matter (solids) typically transported by stormwater. These solids are initially deposited on roadways and other landscapes, and eventually accumulate in catch basins, drainage conveyances and other sediment-trapping devices. Routine maintenance and cleaning of stormwater conveyances and other infrastructure removes small amounts of TN and TP but the sheer volume of material removed on an annual basis results in significant reduction in nutrients entering surface waters.

The FSA MS4 Load Reduction Assessment Tool is based on the results of two research projects prepared for the [FSA Educational Foundation](#) by Professor John Sansalone, *et al*, at the University of Florida. Be sure to read the [narrative description of the methodology](#) for calculating load reductions before beginning to use the Tool.

CHEMICAL TRACING LABS: Michelle Bull

Chemical Tracing is a good indicator tool to determine if raw or treated sewage may be contributing to a surface water body. This can be used as part of addressing a Bacteria TMDL as part of a Bacteria Pollution Control Plan (BPCP).

Table: MDLs of Labs that Perform Analysis for Chemical Tracers

Parameter	FDEP Lab MDLs	PACE Lab MDLs	Eurofins Lab MDLs	Weck Lab (CA)	ALS Environmental (WA)
Unit	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Acetaminophen	0.008	2	0.005	0.0014	
Ibuprofen	0.02	1	0.01	0.00039	
Naproxen	0.008	2	0.01	0.00025	
Hydrocodone	0.002	1			
Sucralose	0.01	?	0.1	0.005	

The table is converted all measurements to ug/L = ppb = parts per billion = microgram.

Note: 0.005 - 0.01 ppb is in the range for useful for stormwater measurements due to dilution of sewage.

GIS INVENTORY REQUEST: Michelle Bull

The NPDES Stormwater Program recently met with DEAR and the GIS team to initiate an extensive project to gather and compile MS4 inventories from the 377 MS4 permittees throughout the state.

Statewide MS4 Inventory Initiative

- The Stormwater Program and the GIS team are developing a pilot project that will take several months to evaluate data for GIS capability and consistency (nomenclature of structures, etc.). We will collect MS4 data within the Lake Okeechobee BMAP to be evaluated and initiate a statewide MS4 inventory.
- Based on the results of the pilot, we may request data from permittees that have GIS capabilities. Then, as permits are reissued, we will request data from permittees that may not have GIS capabilities.
- This will be an extensive ongoing project, as MS4 inventories are constantly being updated. In the future, we plan to collect updated MS4 data at every 5 years during permit reissuance to update our statewide inventory.

GENERAL UPDATES: Borja Crane-Amores

- EPA has several initiatives to inspect various facilities within Florida.
 - EPA will be inspecting 20 known facilities which include 12 wastewater treatment facilities, three MSGPs, five NPDES CGPs. There will be two EPA teams with the joint DEP interview.
- EPA has developed a tool to identify unpermitted facilities which would require an MSGP.
- The department is currently responding to the EPA's Permit Quality Review where they looked at two Phase II permits and provided a report to the department.
- The program is currently working with IT staff to meet the e-reporting deadline where permittees will submit data which will then be transmitted to EPA. Permittees will have to use the DEP Business Portal to insert information once the e-reporting rule takes full effect.



RCP and Raising Awareness about Resilience

Reaching Out to Local Communities

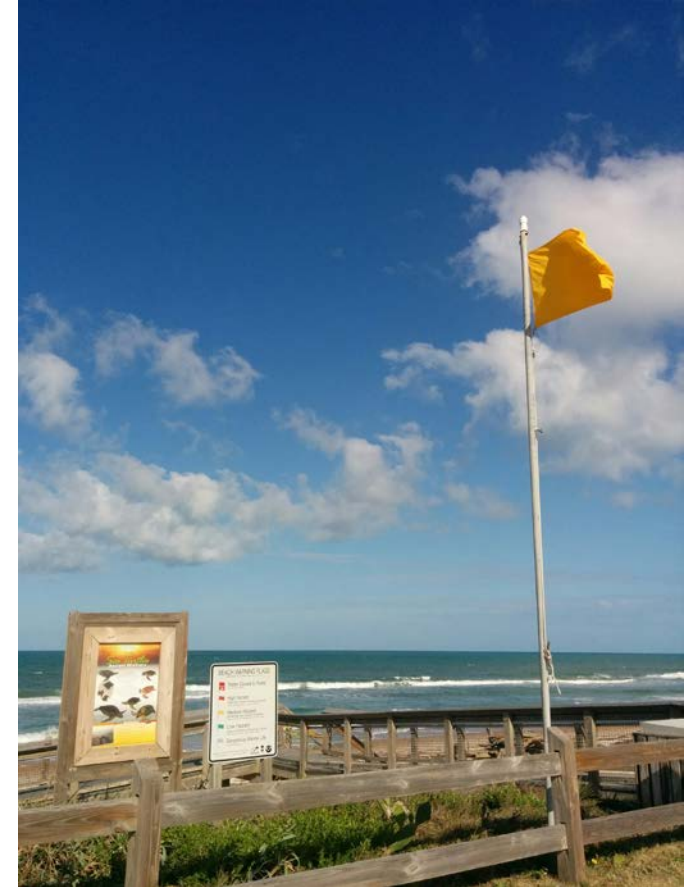
Joseph Bauer, Government Operations Consultant
Florida Coastal Management Program
(850) 245-2180, Joseph.Bauer@FloridaDEP.gov



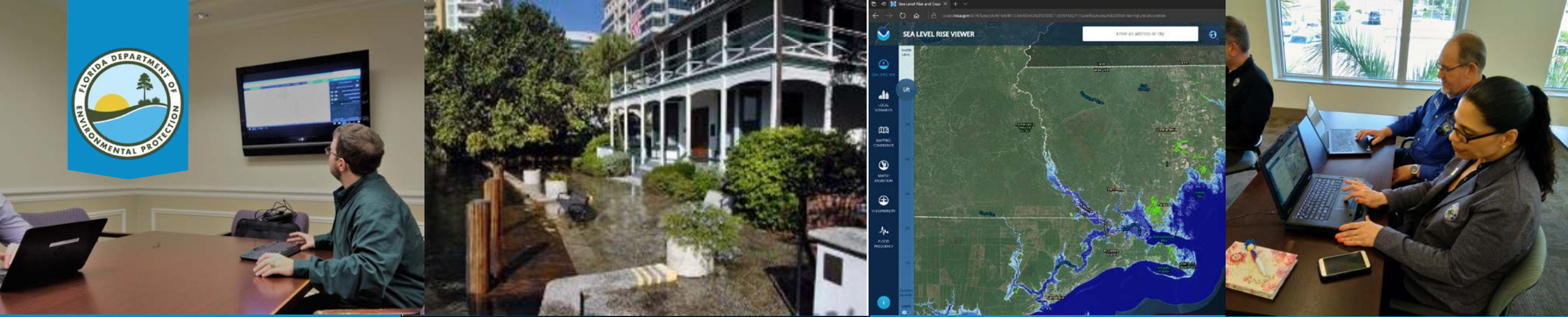
What is RCP?

Ten programs make up the Office of Resilience and Coastal Protection (RCP)

- Aquatic Preserve Program
- Clean Marina Program/Clean Vessel Act Grant
- Coral Reef Conservation Program
- Florida Coastal Management Program (FCMP)
- Florida Coastal Access Guide
- Florida Keys National Marine Sanctuary (in partnership with NOAA)
- Florida Resilient Coastlines Program
- National Estuarine Research Reserves
- Outer Continental Shelf Program
- State Buffer Preserve Program



Coastal Access Point at North Peninsula State Park near Ormond Beach, FL



Local Government Resilience Tools Training Program

FCMP staff engages directly with local communities, demonstrating online, web-based coastal flood mapping tools from a variety of agencies.

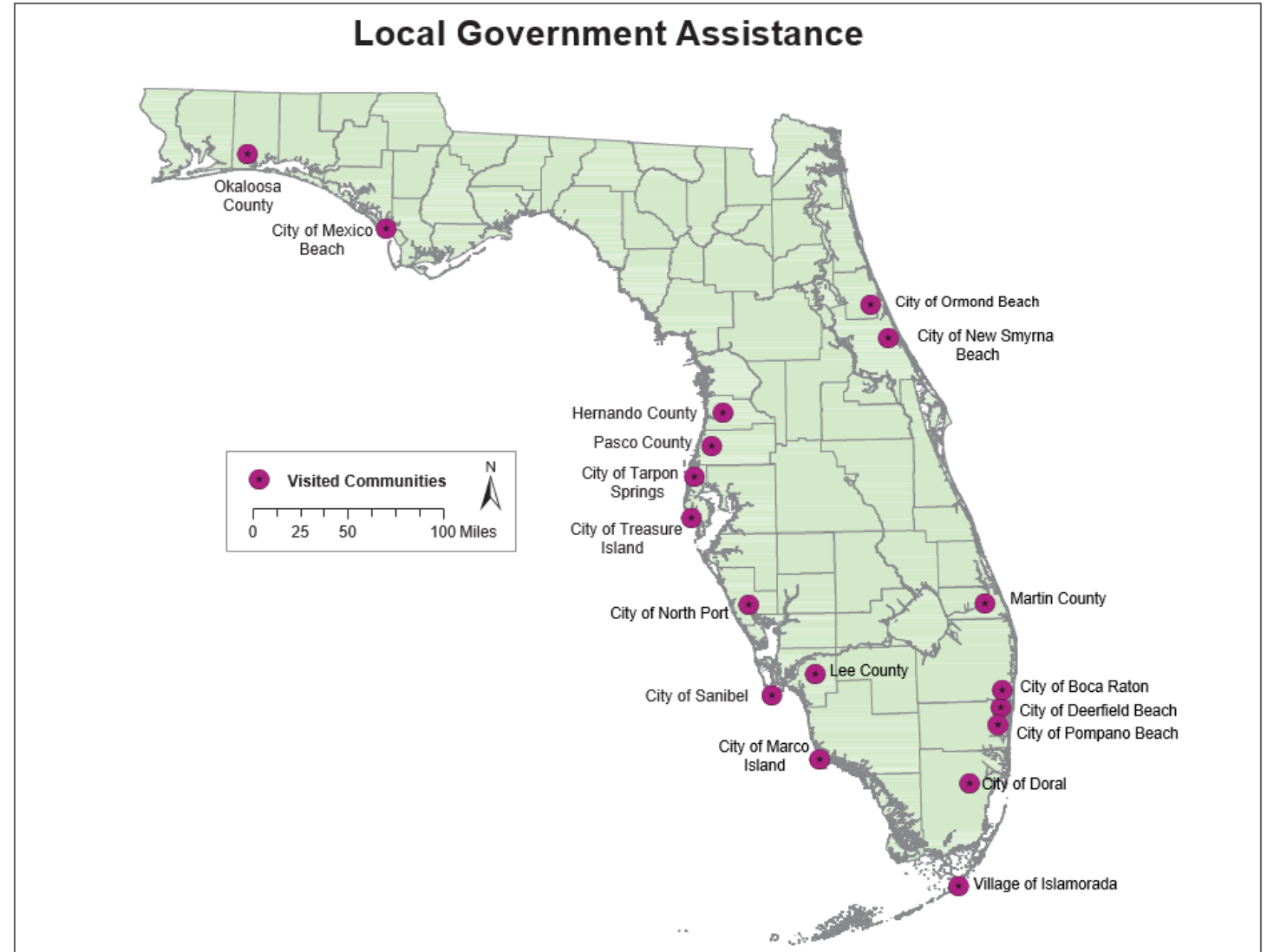
This is to increase local government awareness of online, web-based coastal resilience tools and resources.

We reach out directly to local communities and hold these meetings at their offices.



Where Have these Trainings Been Held?

- FCMP has met with communities all over state.
- Smaller communities are a priority, but all communities are welcome.
- Demonstrations are tailored to community's indicated needs.





Who Do You Contact?

- **Kevin Claridge, RCP Director**
(850) 245-2101, Kevin.Claridge@FloridaDEP.gov
- **Rebecca Prado, RCP Deputy Director, FCMP Program Administrator**
(850) 245-2103, Rebecca.Prado@FloridaDEP.gov
- **Whitney Gray, Resilient Coastlines Program Administrator**
(850) 245-2098, Whitney.Gray@FloridaDEP.gov



Thank you!

**Contact Joseph Bauer at 850-245-2180
or Joseph.Bauer@FloridaDEP.gov**