



Florida Department of Environmental Protection

Water Quality Restoration Program

Preliminary WaSh Model Results

St. Lucie River and Estuary Basin Management Action Plan (BMAP)

January 16, 2018

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Agenda

- Status of the St. Lucie River and Estuary BMAP 5-Year Review
- Baseline WaSh Model Set-Up and Results
- 2017 BMAP Statewide Annual Report
- Next Steps



Current Status of 5-Year Review

- Requests for information sent out in November and due at the end of January
 - Updates, new projects, and planned projects
- Water quality trend analysis methodology under development
- Monitoring network revisions in progress
 - Data providers transitioning to WIN
- WaSh modeling revisions continue





Purpose of WaSh Model Revisions

- Through the BMAP development process, stakeholders and DEP determined that a more detailed scientific model would be necessary for the development of refined BMAP allocations
- Improvements:
 - Code enhancement
 - Geographical user interface water quality upgrades
 - Calibration refinement and documentation
 - Combining all basins into one model to allow for inter-basin flow



WaSh Modeling Timeline

Task	2017					2018					
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Re-calibration											
Run baseline scenario											
Discuss preliminary results											
Run Scenario 1 – BMAP Projects											
Run Scenario 2 – Septic Removal											
Finalize WaSh model report											
5-Year Review due											



WaSh Modeling Baseline Condition Scenario Set-Up and Results

Cassondra Thomas, SFWMD

Fawen Zheng, SFWMD



Draft Report Comments

Submit Comments on the Report

By January 31st

- Draft report posted on FTP site at:

[http://publicfiles.dep.state.fl.us/DEAR/BMAP/StLucie/WaSh%20Model%20Information/Draft%20Report January2018/](http://publicfiles.dep.state.fl.us/DEAR/BMAP/StLucie/WaSh%20Model%20Information/Draft%20Report%20January2018/)

- Track any changes and comments in the Word document
- Send to Breanna at breanna.crowell@dep.state.fl.us



BMAP Project Updates

Project Updates and New Project Information

Due January 31st

- Information through December 31, 2017
- Planned and future projects that may help develop and meet BMAP milestones
- Funding information
 - DEP grant agreement numbers
 - ***NEW: Amount from each funding source

Same information will be used in the new statewide report!



Statewide Progress Report

- What?
 - New statewide progress report
- Why?
 - New requirement under Florida Statutes (F.S.) to provide an annual update to the Governor and Legislature (see Section 403.0675, F.S.)
- When?
 - First report is due to the Governor and the Legislature by July 1, 2018
 - The DEP will submit subsequent reports by July 1 of each year





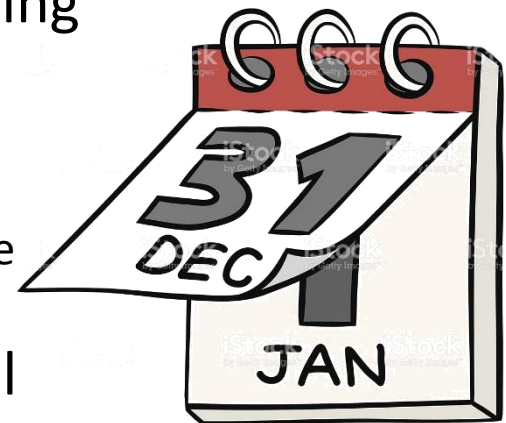
Statewide Progress Report (cont.)

- Annual Meetings

- Will continue to occur similar to current schedules
- Highlight significant accomplishments and report on restoration projects and management strategies
- Water quality information (based on water year)

- Reporting Period

- Project collection will occur near the beginning of the calendar year
 - Project information collected will represent implementation status as of the end of the previous calendar year (i.e., snapshot of project status as of the prior December 31st)
- The reporting periods for BMAP projects will be the same across the state





Next Steps

Upload data through December 31st, 2017 to WIN
By March 1st

More information at: <http://publicfiles.dep.state.fl.us/DEAR/WIN>

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WIN Database: <http://prodenv.dep.state.fl.us/DearWin>



Next Steps

Future Public Meetings

Technical Meeting

Draft Revised Allocations Discussed

February 2018

Draft 5-Year Review Meeting

Draft 5-Year Review Report Provided for Stakeholder Comments

April 2018



Next Steps

St. Lucie River and Estuary BMAP 5-Year Review

Timeline for Stakeholder Involvement	Deadline*	
1. Technical meeting - Review preliminary model results	1/16/2018	☒
2. Stakeholders submit comments on draft model report to DEP	1/31/2018	☐
3. Stakeholders submit 5-Year Review project updates and new projects to DEP (include updates through 12/31/2017)	1/31/2018	☐
4. Public meeting - Discuss draft revised allocations	2/28/2018	☐
5. Stakeholders provide water quality monitoring data via WIN (include data through 12/31/2017)	3/1/2018	☐
6. Public meeting – Draft 5-Year Review provided for comments	4/30/2018	☐
7. Stakeholders submit comments on Draft 5-Year Review document to DEP	5/15/2018	☐
8. Final BMAP 5-Year Review submitted to Governor/Legislature	6/30/2018	☐

* Dates are approximate



Contact Information

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Questions & Comments

