

Florida Department of Environmental Protection



Lake Jesup BMAP 2014 Progress Report

**Basin Working Group Meeting
July 31, 2014**





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History of Lake Jesup TMDLs

- Lake Jesup (WBID 2981), including Lake Jesup outlet, was verified as impaired for **nutrients and unionized ammonia**
- The verified impairment of Lake Jesup was adopted by Secretary Order on May 27, 2004
- Nutrient TMDLs for Lake Jesup were adopted in 2006:

WBID	TMDL (lbs/yr)	Target Conc. (mg/L)	Wasteload Allocation (Stormwater)	Load Allocation (nonpoint)
2981 (Including 2981A)	41,888 TP	0.096	34%	34%
2981 (Including 2981A)	545,203 TN	1.27	50%	50%



Scientific Gaps

Need more data collection:

- Quantitative estimates of sediment nutrient flux to Lake Jesup
- Revisiting ground water nutrient inputs to Lake Jesup
- Revisiting nutrient loadings (especially TN) from Site 10
- Assessment of near and far field effects of pollutant loading to Lake Jesup



Tentative TMDL Refinement Schedule

- **Late July or early August, 2014**, receive the calibrated HSPF model from SJRWMD, share the model with all stakeholders, and allow one month for review and provide comments to FDEP
- **By the end of September**, receive WASP and EFDC from SJRWMD, share the models with all stakeholders for one month review and comments
- **By the end of October**, all stakeholders' comments on watershed and water quality models (HSPF, WASP and EFDC) will be provided to FDEP and a public meeting or teleconference will be held to discuss with SJRWMD about model revision
- **By the end of November**, refine the models based on stakeholders' comments and the revised models will be provided to FDEP
- **By the end of December**, the revised models will be run for the existing condition, target condition, and various scenarios. Decision will be made on whether we will have a revised TMDL



Tentative TMDL Refinement Schedule (Con't)

If a revised TMDL for Lake Jesup is needed,

- **By the end of February, 2015**, publish the Notice of Meeting, post the draft revised TMDL report, announce the workshop, and start the 30-day public comment period.
- **In mid-March**, FDEP conduct a public workshop
- **By the end of March**, the end of 30-day public comment period
- **By the end of April**, publish the NPR on FAR
- **By the end of May**, end of the challenge period
- **By the end of June**, Rule effective



BMAP Phase II Tentative Schedule

- **2015**

- 1st/2nd Quarter
 - Five-Year Assessment Report prepared reviewing water quality trends, progress towards the reductions, new projects, and updates for model and allocations
- 3rd Quarter 2015/4th Quarter 2015/1st Quarter 2016
 - Stakeholder meetings to develop the second BMAP iteration
 - Determine allocations
 - Update project calculations from the first BMAP (if needed)
 - Update the monitoring plan (if needed)
 - Develop new BMAP

- **2016**

- May
 - New BMAP adoption