

**ORANGE CREEK BASIN TMDLS
BASIN WORKING GROUP
DRAFT Meeting Notes**

DATE: January 5, 2006

TIME: 9:30 AM

LOCATION: Gainesville, Florida - GRU

Meeting Attendees: (Names in bold are BWG members, names in italics are alternates)

BWG Members	Affiliation	BWG Members	Affiliation
Jeff Martin	DEP/NED	Alice Rankeillor	City of Gainesville
	DEP/Aquatic Plants	<i>Sally Adkins</i>	
	DEP, Paynes Prairie		DACS/DOF
	DACS	Brett Goodman	G'ville Reg. Utilities
Eric Nagid	FWCC		
Alan Obaigbena	DOT	Erick Smith	UF
Paul Myers	ACHD	David Walker	SJRWMD
		Phil Gornicki	FL Forestry Assoc.
	ACEPD	<i>Rob Hicks</i>	Forestry Industry
<i>Robin Hallbourg</i>			Building/Develop.
	ACPW		Sierra Club
R.M. Fry	City WM Committee	Kathy Cantwell	Sust. Alachua Co.
<i>Carol Higman</i>	ACEPAC	Carol Higman	Women/Wise Growth
<i>Shane Williams</i>	Marion County		Town of McIntosh
Other Attendees	Affiliation	Other Attendees	Affiliation
Mary Paulic	DEP, Tallahassee	Rob Brinkman	ACEPAC/Sierra Club
Terry Pride	DEP, Tallahassee	Mike Carter	Stakeholder
Jennifer Gihring	DEP, Tallahassee	Kevin Grace	DB Environmental
Casey Schmidt	UFL	Paul Davis	G'ville Reg. Utilities
Fay Baird	Pandion Systems	Lori Hazel	SJRWMD
Diana Gijsselaers	ACEPD	Maria G. Martin	MACTEC
Kristen Clark	GRU	Michael Bateman	Stormwater 360
Jamie Hope	GRU		

HOUSEKEEPING

Announcements

- Dep is working on a statewide stormwater rule

Updates

- **DEP Groundwater Study:** DEP Groundwater staff are in the process of hiring a subcontractor for well drilling. A Lakes Working Group meeting will likely be convened in February to discuss detailed sampling locations.
- **Lake Kanapaha Study:** No update
 - o Brett Cunningham asked if DEP has a TMDL sampling schedule for Kanapaha.
 - o Alice Rankeillor indicated that they need 5 more samples
 - o **ACTION ITEM:** Mary Paulic will contact Joe King, Eric Pluchino, Pat O'Connor, and others to confirm plans for DEP sampling in Lake Kanapaha.
 - o **ACTION ITEM:** Jeff Martin will get with Brett re NED sampling
- **Analysis of Nutrient Loading from Onsite Wastewater Systems:** A draft of the onsite wastewater analysis was reviewed. The analysis will be modified to include the following comments from BWG members:
 - o The Homestead reduction factor will be eliminated.
 - o Calculations of phosphorus loading from onsite systems will be added.
 - o A comparison between septic tank loads and other controllable vs. non-controllable sources will be added
 - o **ACTION ITEM:** Jennifer Gihring will make these modifications and bring a revised version to the February meeting (now March).

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- o **ACTION ITEM:** SJRWMD will review the analysis and make comments.
- **Alachua Sink**
 - o The Alachua Sink TMDL should be noticed this month.
 - o **ACTION ITEM:** Mary will follow-up with Wayne Magley (DEP Watershed Assessment Section) to determine how or if current hydrologic conditions (connection of Alachua Sink with other surface waters) affect the TMDL.
 - o **ACTION ITEM:** Terry will distribute a copy of the most recent version of the Alachua Sink TMDL for BWG review.

CONSOLIDATION OF INFORMATION ON COLIFORM STUDIES/HOTSPOTS/ACTIVITIES

- **Status Update**
 - o GRU and DOH staff visited one of the identified hotspots in Rosewood Creek and found a straight-pipe connection to the Creek. This situation is being addressed with the landowner. However, fecal coliform levels are even higher above-stream of this location. Further investigation is underway.
 - o GRU has finished sampling for their bacterial source tracking study. The final report has not yet been completed.
 - o GRU smoke testing and TV work continuing to investigate hot-spots identified by GRU and the County. This effort includes some work in individual homes.
 - o A portion of the BMAP will discuss what activities have been accomplished to-date regarding coliforms and what management actions are planned for the future.
- **Statutory Review**
 - o Paul Myers (DOH) provided a review of the statutory authority given to DOH regarding septic tank installation and maintenance.
- **ACTION ITEMS**
 - o EPD: Coordinate with BWG members to develop maps of coliform hot-spot identification and management activities completed to-date. Brett Goodman will send shapefiles to Robin Hallbourg.
 - o GRU/AC EPD/AC DOH: Meet in January to develop a summary of coliform-related data and proposed activities to be discussed at the February meeting.

REVIEW OF REVISED BMAP DRAFT

- Terry Pride distributed and reviewed the revised BMAP draft.
- BWG members discussed a variety of modifications, including the following:
 - o Move signature page to the front of the document
 - o Convert Figure 1 to text, emphasizing Class III, since the other classes do not apply in this basin. Add an explicit statement that all waters in the Orange Creek Basin are Class III.
 - o Modify Figure 2 to reflect realistic dates.
 - o Near Figure 2, add a simple table identifying the Basin's impaired waters.
 - o Possibly add a statement that clarifies that the BMAP does not address all water quality concerns within the Basin (i.e. waters that have not been adequately evaluated are not included in the BMAP). *This recommendation is still under discussion.*
 - o Briefly discuss Lochloosa TMDL deferment
 - o Section 1.3.2:
 - Change first sentence to read “central and eastern Alachua County, northern Marion County...” and add reference to Figure 1.
 - Add a discussion of regulatory activities by Alachua Co. and Gainesville
 - o Section 1.3.5: Discuss unknowns/limitations regarding phosphorus.
 - o Add a less detailed version of Figure 3 (TMDL table) earlier in the document, possibly in the Executive Summary. The detailed version should be in the appendix.
 - o Add discussion of the unique hydrologic conditions of Alachua Sink and how this may affect management actions (i.e. which actions may depend on hydrologic conditions for success)

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- o Add explanatory language to accompany Table 5, such as the reliance on local knowledge and background documents.
- o Consider placing Figure 8 in a different part of the document, such as the Executive Summary.
- o Section 2.2: Correct data period
- o Section 3.2: Only include pie charts here. Detailed data tables will be in the appendix.
- o Section 3.5: Insert discussion of qualitative resource outcomes (indicators). We have not yet discussed projects that will reduce loads. Some of the expected outcomes will be developed as we start writing sections for individual lakes.
- o Chapter 4: Information for this chapter will be derived from the activities of the Bacteria Sources Group.
- o Add a placeholder for financial impacts of the BMAP in chapters 3 and 4.
- o Incorporate discussion of the Iron listing, put up front in Chapter 4 (Alachua Co. has new data re iron, which may show the levels are natural).
- **ACTION ITEMS:**
 - o BWG members will review the BMAP draft and send comments to Terry.
 - o Robin Hallbourgh will write the discussion about Alachua Sink noted above.
 - o Terry will modify the next BMAP draft to reflect the BWG's comments.
 - o Dave Walker will bring detailed source tables and pie charts next month.
- **Future Growth:**
 - o How to incorporate land acquisition as an action that avoids increases in loadings from future growth?
 - o The way in which future growth will be addressed is a pending discussion item for the BWG.
 - o Alachua County Forever participated in a study with the UF Landscape Architecture Department (the Greenprint Project). This project identified areas of future growth and areas of potential land use conflicts.
 - o **ACTION ITEM:** ACEPD will bring information about the Greenprint project next month. (**note:** this has been deferred to March.)
- **Cost estimates:** GRU suggested that no one will sign the BMAP without a preliminary cost estimate. Need to analyze financial implications.
 - o **ACTION ITEM:** Robin will write a discussion of iron monitoring activities.

PROJECTS/ACTIVITIES TABLE

- The data period for the projects/activities table is 2000-2005, to avoid double counting a project. The starting date of 2000 (or the 1999/2000 fiscal year) was based on the time period used in the TMDL (1995-2000). Any water quality improvement projects prior to 2000 should be reflected in the TMDL. This is different than the Lower St. Johns basin due to differences in the time period used for TMDL modeling.
- **ACTION ITEMS:**
 - o Mary will reorganize the projects and activities table to identify which waterbody a project would affect (e.g. nutrient reductions in Sweetwater Branch benefiting Alachua Sink).
 - o In the next 2 weeks, BWG members will review the projects and activities table and make any final additions or modifications.
 - o Mary will compile the BWG's comments with results of the BMP survey into a final version of the projects and activities table.

OTHER

- Michael Bateman of Stormwater 360 described a study his organization is doing to evaluate "soft" pollutant reduction measures, such as BMPs, street sweeping, etc. He is willing to give a more detailed presentation, probably in March.
- Remaining items to discuss for the BMAP include future growth. Alachua County did a study regarding growth, called the Greenprint Project, using BEBR projections(?).

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NEXT MEETING

February 2, 2006, will focus on discussion of aquatic plant management activities and impacts in Orange Lake and possibly the other lakes.

FUTURE MEETINGS

- Presentation of Greenprint project
- Presentation by Michael Bateman on estimating load reduction values for BMPs
- Review of revised draft BMAP
- Discussion on future growth
- Finalization of projects/activities
- Finalization of coliform strategy

SUMMARY OF PENDING ACTION ITEMS

Alachua County EPD

- Coordinate with BWG members to develop maps of coliform hot-spot identification and management activities completed to-date.
- Robin Hallbourg will write the discussion about the unique hydrologic conditions of Alachua Sink and how this may affect management actions.
- Bring summary of the Greenprint Project to the February (now March) meeting.
- Write discussion regarding the County's iron sampling and management activities.

BWG Members

- Review and comment on revised project/activity tables; send any new information, including structural and nonstructural activities.
- Review the BMAP draft and send comments to Terry.
- GRU/AC EPD/AC DOH: Meet in January to develop a summary of coliform-related data and proposed activities to be discussed at the February meeting.

Dave Walker

- Bring detailed source tables and pie charts to the February (or March) meeting.
- Have SJRWMD staff review and comment on OSTDS analysis.

GRU

- Provide DEP with locations of privately maintained pump stations connected to GRU system.

Jennifer Gihring

- Continue work on analysis of nutrient loading from onsite wastewater systems

Mary Paulic

- Finalize refinements to the basin map boundaries and distribute via e-mail.
- Develop a map of the basin that shows impaired waters with TMDL due dates.
- Revise project/activity tables and e-mail to BWG for review and comment
 - o Add a column entitled "Cooperating Partners"
 - o Incorporate BMP survey information
 - o Reorganize to reflect which waterbody would benefit from a particular project.
- Contact appropriate DEP staff to identify monitoring plans for Lake Kanapaha
- Coordinate with UF and DEP re: analyzing contributions of phosphatic soils
- Follow-up with Wayne Magley (DEP Watershed Assessment Section) to determine how or if current hydrologic conditions (connection of Alachua Sink with other surface waters) affect the TMDL.

Jeff Martin

- Get with Brett Goodman re NED sampling.

Fay Baird

- Contact smaller local governments re: participation in the BMAP process.

Terry Pride

- Continue development of the BMAP, including comments received thus far from the BWG.
- Set up call with forestry to decide how to characterize it in the sources table.