

Florida Department of Environmental Protection



Water Quality Restoration Program

BMAP Updates

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Status

- Since our last meeting in September:
 - Teleconference was held to discuss sources of nitrate data.
 - Teleconference to talk about farm tour details.



Ground Water Quality Data

- Goal: Map and evaluate concentration of nitrate in ground water.(if possible both spatial and temporal elements)
 - Serves as a check on the nitrogen source inventory and loading study.
 - May help identify locations with high levels of nitrate in aquifer and associated N sources.
- Teleconference between DEP, Marion County, SJRWMD, and Silver Springs Alliance to discuss data sources and evaluation of data.

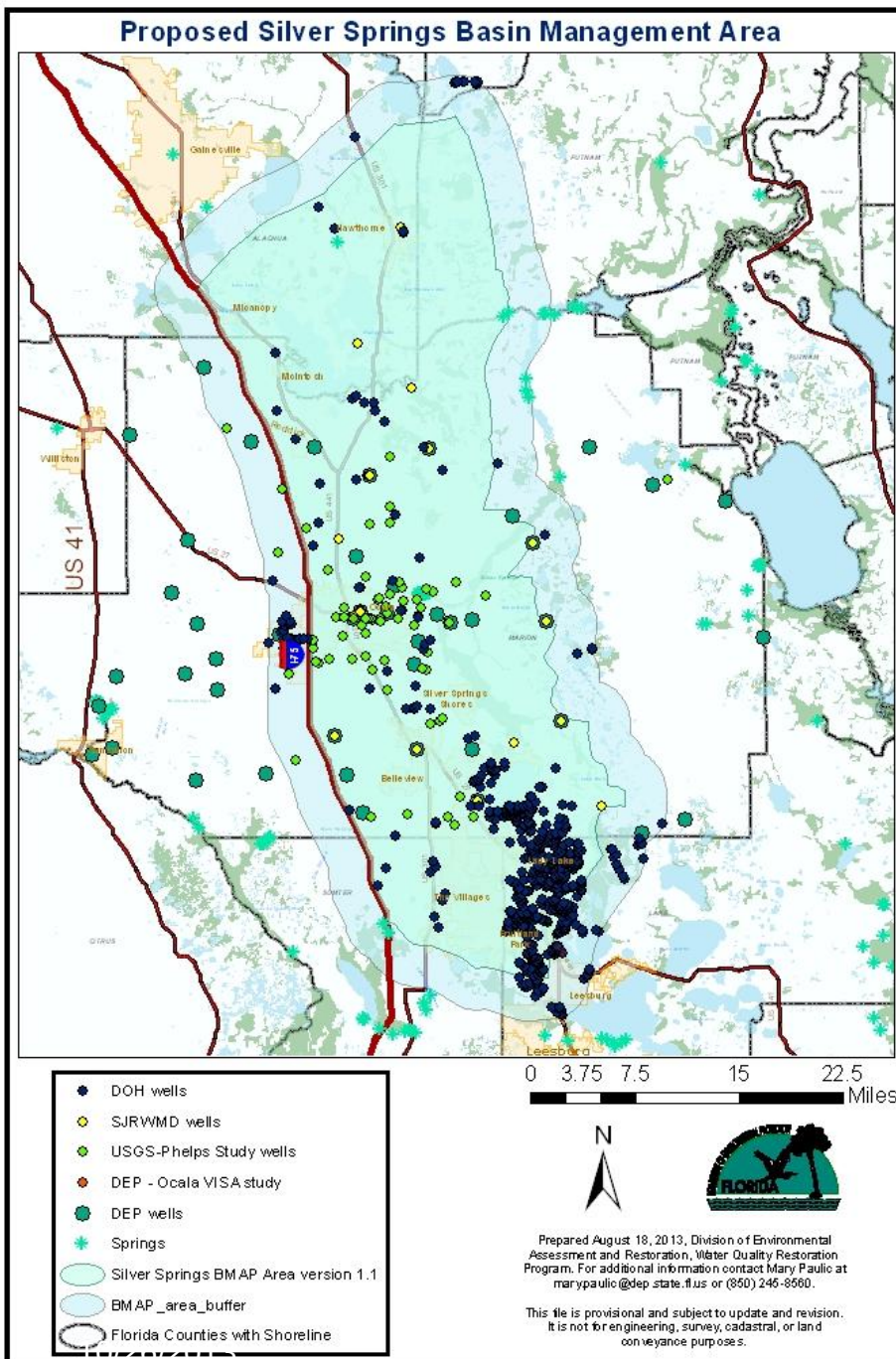


Data Evaluation

- Compare median concentrations by decade.
- Do a before and after comparison, but need to pick a point in time.
- Consideration will be given to well depth, very shallow and very deep public water supply wells will probably not be used.

Wells

- Several different ground-water quality studies have been conducted within the BMAP management area at different points in time.



Potential ground water quality data sources:

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- Potential Well Locations**
- DRAFT
- 0 5 10 20 30 Miles
- Water Supply Facility
 • Facility Monitoring Well
 • Springs (2011)
 BMAP Area 3 Mile Buffer
 Silver Springs BMAP Area
- Prepared September 13, 2013 by Mary Paulio, at mary.paulio@dep.state.fl.us.
 Division of Environmental Assessment and Restoration. DRAFT for display purpose only.
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Farm Tour

- Two parts:
 - Visit to IFAS research facility at Citra where we will have the opportunity to see research on:
 - Peaches and blueberries;
 - Turf grass experiments on nutrient uptake when used as buffers; and
 - Energy cane emerging biofuel.
 - Second tour in January:
 - Offer from Adena to visit operation and see multiple BMPs; and
 - Additional visit to an equine operation?



Future Meetings

- Schedule meetings for the rest of the year.
 - December 6 meeting date to be held at IFAS facility.
 - IFAS Tour in the afternoon.
- January Meeting Dates and Topics.
- Nitrogen inventory and focus areas.
- Second farm tour.



Public Meetings

- Plan is to hold public outreach meetings as we progress toward development of the BMAP.
 - Several brief presentations have been given as part of other events;
 - Public outreach meeting tentatively planned for January.
 - Potential dates for meeting:
 - Late January?
 - Are there other opportunities for DEP to participate in a local event?

Questions?





Website and FTP Addresses

- <http://www.dep.state.fl.us/water/watersheds/bmap.htm> - website for meeting announcements.
- http://www.dep.state.fl.us/water/tmdl/final_tmdl.htm - website for TMDL documents, under Ocklawaha Basin.
- http://publicfiles.dep.state.fl.us/DEAR/BMAP/Silver_springs/ - FTP site for meeting notes and presentations.