



Purpose and Goals

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BMAP Approach

Start Technical
discussions

BMAP

**Data
discovery**

Process

BMAP development

Establish organizational
structure

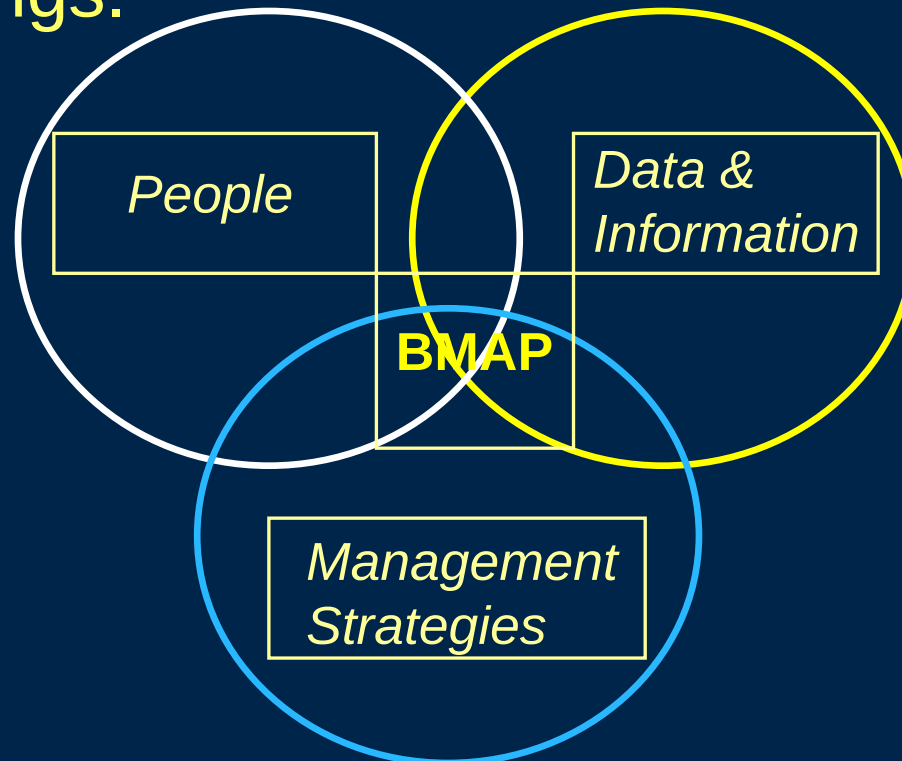
**BMAP
adoption**





Overall BMAP Goal

- Our overall goal is to create a plan (the BMAP) that will lead to reduction in nitrate concentration within Silver Springs.

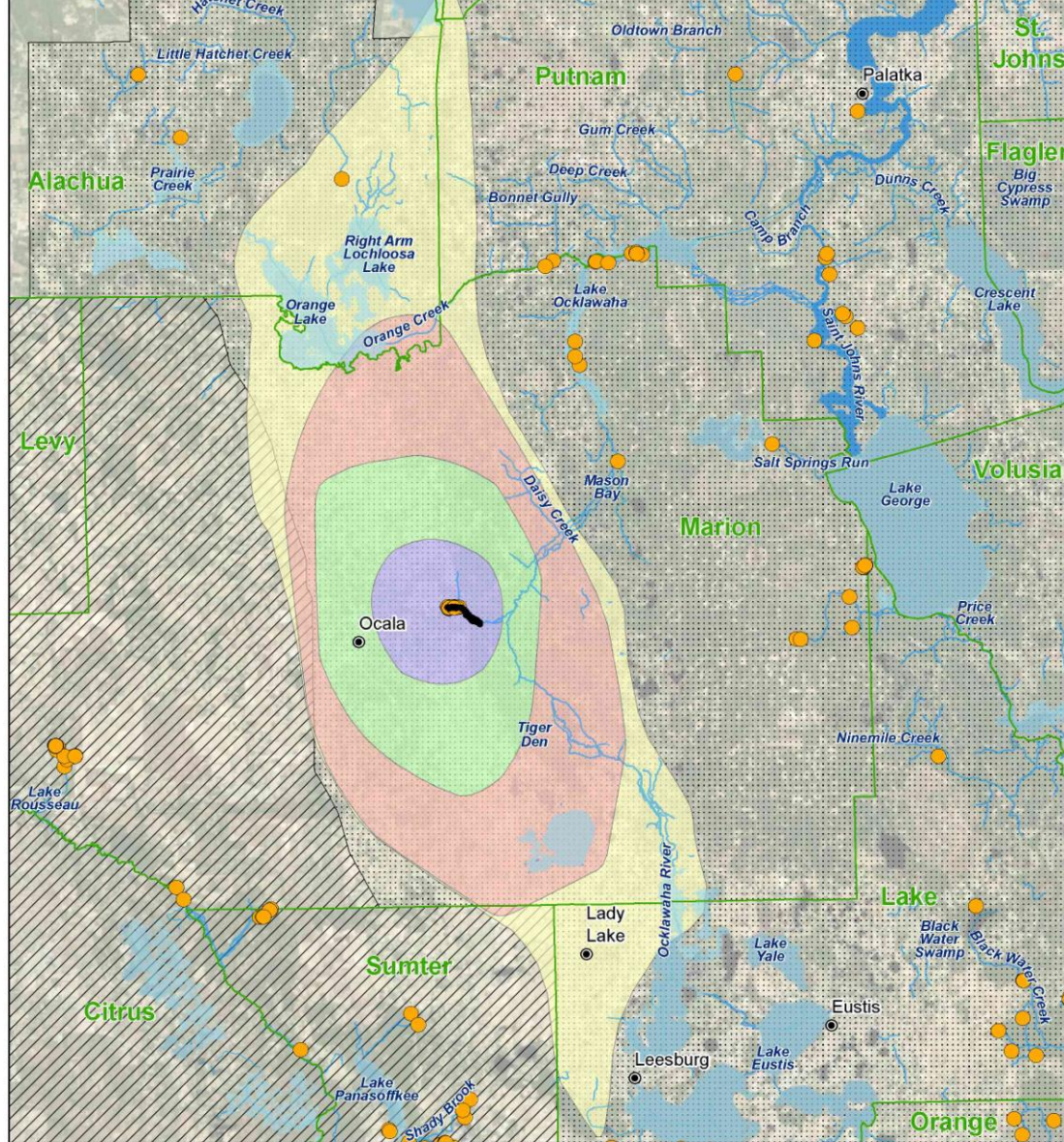




Key Elements

- That plan will identify:
 - Our BMAP basin boundary.
 - Our stakeholders and their roles.
 - Projects that will reduce nitrate.
 - Timelines and costs for project implementation.
 - A process for evaluating our success in achieving this TMDL.
 - How to address future growth and its potential impacts on water quality.





Silver Springs Modeled Capture Zones

Map prepared by the Bureau of Watershed Restoration,
this map is not for legal decision making purposes.
[GIS] Yesenia Escobano (850) 245-8539
[Springs] Kathryn Holland (850) 245-8235
Map ID: SilverSprings_ModeledCZ
Created: 10-02-2012



0 5 10 Miles

- Springs (2011)
- 2 yr Capture Zone
- 10 yr Capture Zone
- 100 yr Capture Zone
- 1000 yr Capture Zone

- Cities
- ▨ SWFWMD Area
- ▨ SJRWMD Area
- WBIDs: 2727A, 2772C, 2772E
- ▭ Florida Counties





BMAP Approach

- Start with this presumption: The target nitrate concentration for Silver Springs that we are trying to achieve is 0.35 mg/L.
- Start with technical discussions. Ground water is a complicated topic. Need tools to help us understand how this system works.
- Help us identify who are the stakeholders. Help us focus efforts.
- Acquire tools that will help us select management activities that improve water quality.





Today's Goal

- Topic: Delineation of Silver Springs springshed, dye trace study, aquifer vulnerability.
- Goal is to define what will be the BMAP boundary.





Meeting Schedule

- April: Delineation of Springshed, identify stakeholders, organizational options, land use, [collection of project information].
- May: Dynamics of nitrogen in the environment, sources of nitrate, collection of project information, [water quality monitoring information].
- June - August: Sources, wastewater, stormwater, agriculture.





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.





Questions?

