

# Orange Creek Basin

- Suggested meeting format
  1. Business meeting in morning – requires decisions by BWG
  2. Technical discussion or open forum in afternoon – not decision making
- What is consensus in this basin
- BMAP defined as collaborative effort to develop proposals that all members could support

# DEP Rulemaking status, Paynes Prairie, project reporting, and other activities

- Water use classifications
- Florida Friendly Landscaping

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# Revision of Classification of Surface Waters – 62-302.400, F.A.C.

- Petition filed by Florida Stormwater Association requesting initiation of rule making to establish a more detailed surface water classification system
- Rule development workshop held August 18, 2009
- Proposed revision of designated water uses from 5 classifications that combine human and aquatic like uses to 7 human use and 4 aquatic life use classifications – rule change provides framework for additional designated uses
- This is not a reclassification of individual waterbodies. Still needs to be approved by Environmental Regulation Commission and EPA

## **Proposed Aquatic Life (AL) Uses**

**AL -1** Propagation and maintenance of aquatic communities that approximate the biological structure and function of natural background.

**AL -2** Propagation and maintenance of a healthy, well-balanced aquatic community with minimal deviation of biological structure and function relative to natural background.  
(Default)

**AL -3** Protection of an aquatic community with moderate deviation of biological structure and function relative to natural background (habitat and hydrology limitations)

**AL -4** Protection of an aquatic community with substantial deviation of biological structure and function relative to natural background (severe habitat and hydrology limitations)

## Proposed Human Uses (HU)

- HU 1 Protection of potable water supply suitable for human consumption (following conventional drinking water treatment methods), fish consumption, and full body contact.
- HU 2 Protection of shellfish harvesting for human consumption, fish consumption, and full body contact.
- HU 3 Protection of fish consumption and full body contact.
- HU 4 Protection of fish consumption and incidental human contact.

- HU 5 Protection of fish consumption, but human contact limited or restricted due to unsafe physical conditions
- HU 6 Protection of waters for crop irrigation or consumption by livestock.
- HU 7 Utility and industrial uses

For more information contact Daryll Joyner at [daryll.joyner@dep.state.fl.us](mailto:daryll.joyner@dep.state.fl.us) or visit the DEP website at <http://www.dep.state.fl.us/secretary/designateduse.htm>

# Florida Friendly Landscaping requirements as listed in Senate Bills 494 and 2080

- Each county /city located within the watershed of a waterbody impaired for nutrients, at a minimum shall adopt the DEP's model ordinance for Florida Friendly Fertilizer Use on urban landscapes (403.9337, F.S.)
- Other local governments are encouraged to adopt ordinance
- No time limit for adoption of ordinance
- Fertilizer use ordinances adopted before January 1, 2009 are acceptable and the provision does not apply to those local governments
- Model Ordinance is available at <http://www.dep.state.fl.us/water/nonpoint/pubs.htm>

- DEP in cooperation with IFAS (through local extension offices) will provide training and testing programs in urban landscape BMPs (403.9338. F.S.) – basically training of commercial workers in appropriate fertilizer application

- DACS will provide certification for commercial fertilizer applicators . Certificate is not required till January 1, 2014. Local governments could require certification sooner by ordinance

Poll question: How many local governments in the Ocklawaha Basin have landscape ordinances in place?



# Paynes Prairie Restoration Project

- Propose adoption of project into Orange Creek Basin Management Action Plan (BMAP)
- Reasons
  1. Background: Project is described in BMAP , but not formally adopted.
  2. Administrative Order for GRU NPDES wastewater discharge permit reflects a time line for completion of the project. Helps align BMAP with permits.
  3. Strengthens the BMAP with full implementation of Alachua Sink TMDL
  4. Provides link by reference to MS4 permits
  5. BMAP reflects community expectation which is reflected in permits
  6. Helps with securing funding

Process: Not sure yet of path, but possible options are

1. Revision and re-adoption of BMAP
2. Letter of request to include project without revising BMAP
3. Still awaiting legal recommendation (will influence path)

## Poll Questions

1. What are the BWG members thoughts on this proposal?
2. Any recommendations for timing of actions?
3. Any recommendations for path to be taken?

# Water quality project reporting

- BMAP requires annual reporting of projects – both to DEP and BWG
- Electronic submission meets this requirement
- Does this reporting format satisfy the BMAP requirement?
- Is it an acceptable mechanism for non-governmental groups to report activities?
- Time line for completing and submitting
  1. Suggested reporting period July 2008 – Dec 2009
  2. Submission in Jan. 2010

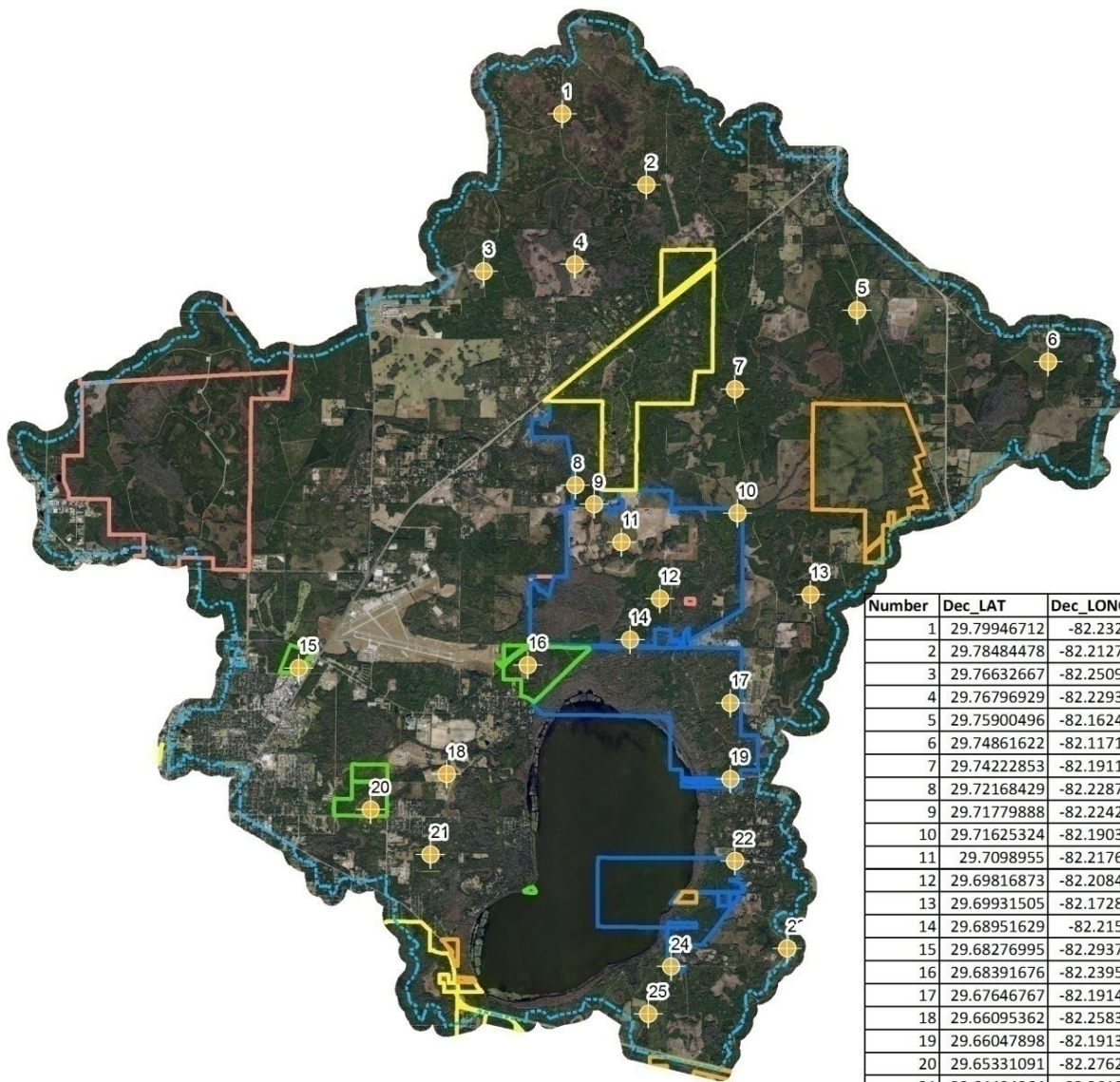
# Additional research needs

- Depth to Hawthorn formation in the Newnans Lake watershed
- Why is this project important?
  1. TMDL for Newnans Lake requires reduction of 10,924 lbs/yr of TP
  2. Potential contribution of geologic phosphorus source to watershed loadings
  3. Need better resolution of location of top of formation relative to land surface
  4. May influence future decisions on where to focus efforts on nutrient reduction projects or land development decisions

- Initial proposal made by SJRWMD, but funds were not available
- Scope of work to determine depths to Hawthorn formation at 24 locations within the Newnans Lake watershed
- Proposed depth of borings 40 feet

• DEP is considering taking on this project, but is dependent on approval of travel budget.

1. Assistance from DEP site investigation staff to drill wells if needed
2. Or there is possibility of using existing public/private drinking water wells if appropriate
3. DEP may need assistance from local stakeholders to help with
  - Field work
  - Gaining site access



| Number | Dec_LAT     | Dec_LONG     |
|--------|-------------|--------------|
| 1      | 29.79946712 | -82.2327475  |
| 2      | 29.78484478 | -82.21270582 |
| 3      | 29.76632667 | -82.25092227 |
| 4      | 29.76796929 | -82.22935964 |
| 5      | 29.75900496 | -82.16240447 |
| 6      | 29.74861622 | -82.11714772 |
| 7      | 29.74222853 | -82.19118421 |
| 8      | 29.72168429 | -82.22875231 |
| 9      | 29.71779888 | -82.22420552 |
| 10     | 29.71625324 | -82.19031627 |
| 11     | 29.7098955  | -82.21761091 |
| 12     | 29.69816873 | -82.20841229 |
| 13     | 29.69931505 | -82.17280028 |
| 14     | 29.68951629 | -82.2154259  |
| 15     | 29.68276995 | -82.29375532 |
| 16     | 29.68391676 | -82.23950747 |
| 17     | 29.67646767 | -82.19144146 |
| 18     | 29.66095362 | -82.25837239 |
| 19     | 29.66047898 | -82.19133295 |
| 20     | 29.65331091 | -82.27627028 |
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| 22     | 29.64335652 | -82.19002222 |
| 23     | 29.6251761  | -82.17742312 |
| 24     | 29.62112932 | -82.2048734  |
| 25     | 29.61116273 | -82.21006211 |

## Newnans Lake Basin Geologic Site Location



1 0.5 0 1 Miles  
1 = 137000

### Legend

Geological Sites

Newnans Lake Basin

**FNAI Florida Public Lands, December 2008**

#### OWNER

Alachua County

City of Gainesville

St. Johns River Water Management District

Private Individual(s)

Trustees of the Internal Improvement Trust Fund

The St. Johns River Water Management District prepares and uses this information for its own purposes and this information may not be suitable for other purposes. This information is provided as is. Further documentation of this data can be obtained by contacting: St. Johns River Water Management District, Geographic Information Systems/Program Management, P.O. Box 1429, 4049 Reid Street Palatka, Florida 32178-1429 Tel: (386) 329-4176.