

**Indirect and Cumulative Effects  
Natural Resource Sub-Group  
Water Resources Conference Call**

**June 5, 2006**

**ATTENDEES**

Larry Barfield, FDOT CEMO  
Josh Boan, FDOT CEMO  
Fred Gaines, Florida Turnpike  
Alexi Thomas, FGDL  
Lauren Milligan, FDEP  
Chris Stahl, FDEP  
Joy Giddens, FDOT D3  
Jason Spinning, ACOE  
Bob Barron, ACOE  
Pat Webster, SRWMD  
Paul Buchanan, SRWMD  
BB Newton, SRWMD  
Madolyn Dominy, EPA  
Tony Miller, SJRWMD  
Donna Curtis, SJRWMD  
Steve Winkler, SJRWMD  
Ruth Roaza, URS  
Frank Kalpakis, URS  
Erin Degutis, URS

**MEETING SUMMARY**

John Wrublik's example includes attributes, assessment area and a standard analysis for various species, including the Red Cockaded woodpecker. Ruth described this example and asked the group if there is a specific query they would like the EST to run as a standard analysis for water resources.

ACOE indicated that they would develop standard analyses specifications for wetlands similar to the USFWS example for wildlife and habitat.

**Water Quality**

- DEP suggested that water quality be analyzed using larger water basin areas.
- ACOE suggested that basin subdivisions should be defined.
- SRWMD suggested an analysis using a resource area of basins and sub-basins during the pilot study for water quality. The group agreed with this approach.

## **What standard analysis would be useful for basins?**

Can impaired water bodies be highlighted in the tool? EPA and DEP indicated that this data is available. Madolyn Dominy is going to email Alexis Thomas the web address for data files showing impaired water bodies.

### **EPA**

- Off-line analysis: sediment, turbidity, and pollutants.
- Question regarding if the impaired water body list states why it is impaired.
- TMDL (total maximum daily load) analysis – need to know what are the perimeters and when.
- Environmental Screening Tool defines water quality as good, fair or poor.
- Link to stormwater national database may be useful. Madolyn Dominy will provide link.

### **SJRWMD**

- 305(b) report required under the Clean Water Act.

### **EPA/DEP**

- 303(d) lists- need to know what areas are impaired for, which stretches are impaired
- STORET: information is not reliable; can be used as off-line analysis.
- Permit points (storm water, NPDES, ERPPa data, and others) – category, list of permitted sites with link to National Notice of Intent database would be useful (might start with list for further research off-line).

### **SRWMD**

- Not a lot of information tied to permit point data.
- Permit data would be useful information to ascertain development trend in area.

### **DEP**

- DRASTIC coverages for Floridan Aquifer, Intermediate Aquifer, and Surficial Aquifer – soil recharge.
- Information on EST does not provide needed information - Need to show analysis on INDEX rather than setting.
- Ranges need to be provided - Lauren Milligan to send legend to Alexis Thomas.
- ERPPa, a Statewide coverage of Permit Application Tracking System (PA) for Environmental Resource Permits (ERPs) – could be off-line analysis.

## **Water Quantity**

### **SJRWMD**

- Map of critical draw down areas in District would be helpful.

## **SRWMD**

- Potential springs and influence areas would be helpful
- Future layer – working on GIS data that shows influence area of springs
- EST spring data updated late 2005 (FGDL)
- Special designations (various lists such as OFWs, Aquatic Preserves, etc)
- ACOE, FDEP, other agency permit points/boundaries is helpful
  
- Sinkholes (coastal and marine) data on EST is outdated.
- OFW data – is it polygon or point data?
- Determine data maintenance/update needs (Quarterly/annually?).

## **Composite Wetlands Map**

- SRWMD is making a composite of wetlands based on various sources (DOT24, NWI, 95 land cover).
- Will use 2000 land cover for other areas.
- Will provide a ‘range’/qualification of wetlands.
- View methodology on how composite map was generated and create a statewide layer.

## **ASSIGNMENTS**

- Agency ETAT representatives to coordinate with GIS staff to discuss data layers needed and then provide any new data layers to Alexis, Ruth and Frank. Also provide any desired standard analyses and offline analyses/data that might be used.
- Madolyn Dominy is going to email Alexis Thomas the web address for data files showing impaired water bodies.
- DRASTIC coverages for Floridan Aquifer, Intermediate Aquifer, and Surficial Aquifer – Need to show INDEX rather than setting - Ranges need to be provided - Lauren Milligan to send legend to Alexis Thomas.
- Madolyn Dominy will provide link to storm water national database .
- Alexis Thomas will contact GIS team at each regulatory agency for new data sets.