



Florida Water Resources Monitoring Council – Salinity Network Workgroup Meeting

Meeting Summary

When: Wednesday, November 8 - 10:00 AM to Noon
Where: teleconference

Meeting Objectives:

- Understand current progress and data issues related to Salinity Network products
- Identify how to resolve data/IT and management issues to ensure adequate data availability

Participants

The following people participated in the Nov. 8 Salinity Network Workgroup Meeting:

- Craig Diamond (The Balmoral Group)
- Dan Dourte (The Balmoral Group)
- Scott Prinos (USGS)
- Tommy Adams (DEP)
- Joseph Bauer (DEP)
- Kevin Claridge (DEP)
- Rick Copeland (DEP)
- Denise Miller (DEP)
- Justin Nelson (DEP)
- Jay Silvanima (DEP)
- Carolyn Voyles (DEP)
- Alex Whann (Alachua County)
- Tony Countryman (NFWFMD)
- Kevin Mouyard (SJRWMD)
- Chris Mundy (SJRWMD)
- David Dewitt (SWFWMD)
- Granville Kinsman (SWFWMD)
- Steve Desmith (SWFWMD)



Summary

- Rick Copeland welcomed participants and introduced The Balmoral Group
- Dan Dourte summarized The Balmoral Group's areas of work and their role with the FWRMC. Meeting objectives were described.
- Roll Call – participants introduced themselves
- The four primary work areas of the Salinity Network were explained (Rick Copeland). The focus of the rest of the meeting was on the methodology and data provision issues related to the groundwater percentile ranking index (PRI). The only major methodology issue that remains with PRI mapping is that two different methods will be used, which means it will be very important to clearly explain the difference in how the resultant maps should be interpreted. The two methods: A) the monthly representative value for a particular year is ranked against all similar monthly representative values across all months for the whole period of record; B) the monthly representative value for a particular year is ranked against all monthly representative values for the same month for the whole period of record. SWFWMD expressed opposition to method A because it makes the maps difficult to interpret and doesn't give an accurate representation of the historical trends. Rick Copeland explained that the data used to make the PRI maps will need to be loaded into WIN by the Water Management District personnel. The process for PRI mapping for May and September was described as follows:
 - 1) Districts upload data to WIN
 - 2) DEP will retrieve data from WIN and generate PRI maps
 - 3) DEP will develop text explaining the differences in each of the two methods
 - 4) Districts and Alachua County will review the maps for quality assurance
 - 5) DEP will publish the PRI maps on a web page

The remainder of the meeting focused on data management and WIN.

- Denise Miller explained how data provision through WIN would work. Links to the WIN system <http://prodenv.dep.state.fl.us/DearWin> and the Minimum Data Quality Standards (MDQS) <http://publicfiles.dep.state.fl.us/DEAR/WIN/> were provided. Two activities to prepare for groundwater data for PRI to be uploaded through WIN can begin now: 1) Register your organization; 2) Load monitoring station locations into WIN. Denise Miller recommended coordination with WIN personnel to assist with bulk registration of monitoring locations. Further guidance from the Salinity Network Workgroup will be provided about what analytes will be provided by each District as these will need to be added into WIN. The data to be loaded into WIN for Salinity Network products includes



- o Vertical Datum (called "Land Surface Elevation Datum" in WIN); NAVD88 or NGVD29
- o Horizontal Datum (called "Org Method" and "Org Datum" in WIN)
- o County (this is automatically populated in WIN based on lat/lon)
- o Representative Monthly Value (new analytes to be added in WIN)

Chris Mundy (SJRWMD) indicated that hydrologic data is in a different system than their water quality data; there would likely be some problems with connecting databases. Question from Chris Mundy: is the long term vision for WIN to get all groundwater data ingested or get only data needed for PRI? Denise answered they want all groundwater data and groundwater quality data incorporated into WIN.

- Discussions about methodology, personnel, and data/IT issues (Dan Dourte) clarified the impediments to having sufficient data for PRI mapping. The Tony Countryman (NFWFMD), Chris Mundy (SJRWMD), and Granville Kinsman (SFWMD) indicated that they have personnel available and capable to provide the Representative Monthly Value groundwater data. Follow-up discussion with SRWMD and SFWMD will be required to assess their personnel capacity. Assuming all Districts have people who can upload the data, the main impediment presently would be the WIN setup (organization registration, station/monitoring well locations, database queries, tabular crosswalks or formatting needed to get data from existing formats to WIN-compatible formats).

Action Items

- District personnel to coordinate with WIN personnel to get monitoring well stations loaded into WIN
- Dan Dourte and Rick Copeland to coordinate with SRWMD and SFWMD on data provision personnel and capability
- Rick Copeland to summarize and send to the Districts the previously established Monthly Representative Values that would be used to calculate PRIs
- Possible meeting to provide guidance to WIN personnel about what data types will be added