Water Quality Monitoring Update: July 2014

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TOC MEETING
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Monitoring is an Adaptive Process

- The District monitoring program must adapt to changing infrastructure and mandates

- It is necessary for the TOC to routinely discuss issues impacting monitoring such as:
  - Changes to sampling or analysis methodologies
  - Temporary construction and maintenance impacts
  - Mandate changes that result in conflicting or inefficient monitoring requirements
  - Changes to the structures that discharge to the Everglades Protection Area (EvPA)

- These discussions are key to providing quality data that meets obligations
Ongoing Construction: S150

- Temporary suspension of monitoring at S150 beginning May 6, 2014
  - Rebuilding structure, converting 5 culverts to 3 larger culverts
  - Waters being diverted to S7 and S8
  - Not part of compliance calculation
  - Will restart once construction allows
  - Completion estimated to be May 2015
Ongoing Construction: S362

- S362 Autosampler temporarily time proportional beginning April 10, 2014
  - ACOE construction at S369s has cut power to these structures
  - Temporary generators at all but S369D, which is the site for the communications array that supports the S362 autosampler
  - Completion date estimated to be at least 18 months
Interference with Representative Sampling

- Historically, during the dry season commercial airboat operations along Tamiami Trail have blocked off culverts with sandbags to prevent water from leaving the marsh.
- This season this practice has escalated to fitted culvert covers.
- Management has determined that under such conditions the samples are not representative and should not be collected or reported.
- Three sampling events impacted: May 14, May 29, June 10.
Tamiami Trail traffic has made walking along the rear of the S12s dangerous.

Staff working to find a new way to determine if flow is occurring at these structures:

- ACOE website
- SFWMD control room
- ACOE key to walkway at SFWMD field station
Sample Contamination

- Time proportional autosampler at S356 contaminated with larval chironomids
- Samples rejected and equipment cleaned
  - June 23
  - June 30
Questions?