

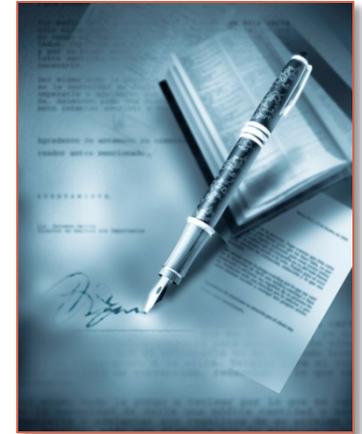
Water Quality Monitoring Update: July 2014

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TOC MEETING
JULY 29, 2014



Monitoring is an Adaptive Process

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- 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

3

- 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

3

- 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

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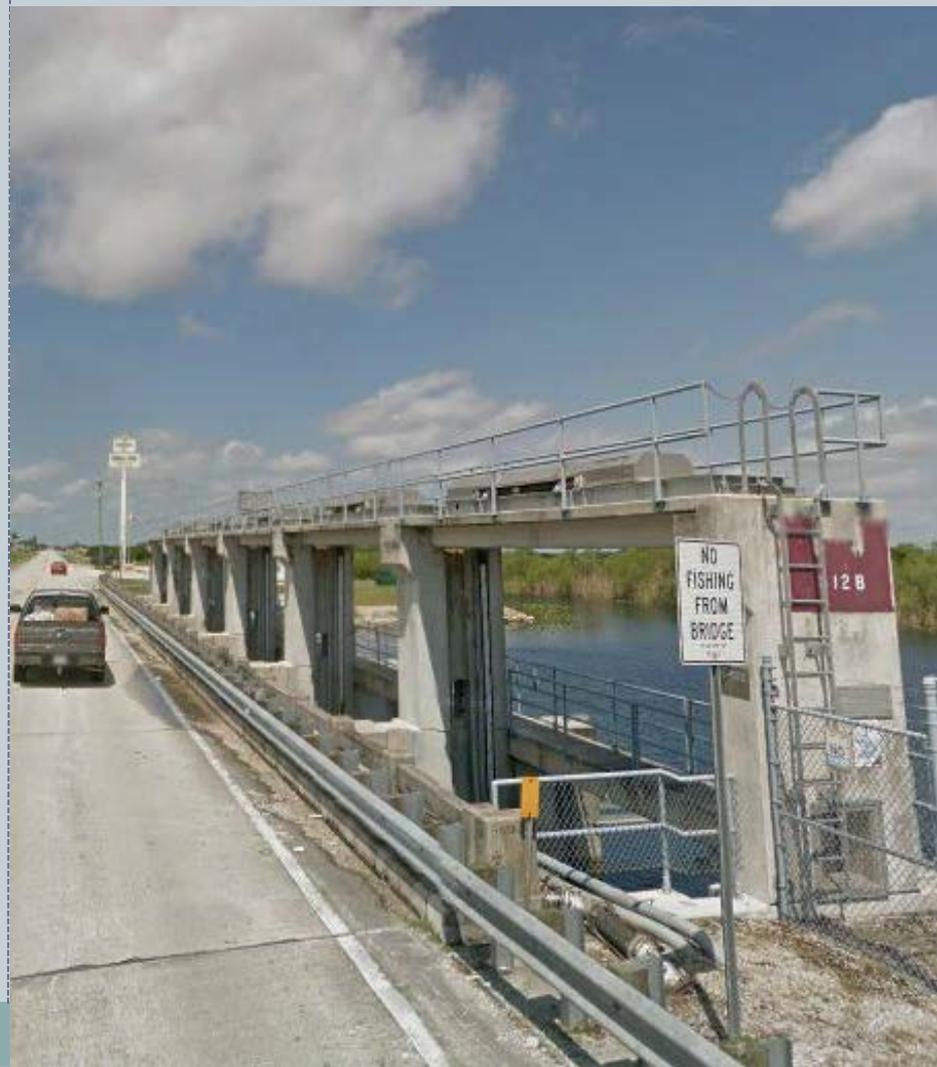
- Historically, during the dry season commercial airboat operations along Tamiami Trail have blocked off culverts with sandbags to prevent water from leaving the marsh
- This season this practice has escalated to fitted culvert covers
- Management has determined that under such conditions the samples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



Ongoing Safety Issue

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- 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

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



Questions?

