

Port Everglades's technical sub-team monitoring plan workshop
October 10-11, 2018
9:30AM – 5:30PM (1st Day), 8:00AM – 3:30 PM (2nd Day)
AGENDA

Webinar: <https://usace.webex.com/meet/lacy.s.pfaff>

Call In: 877-336-1831; Code: 3709243#; Security Code: 1234

Meeting Goals:

1. Agree on the specific goals for each monitoring event (pre, during and post-construction) and best methods to collect the data.
2. Identify specific protocols to be used for each survey, define the timing and sampling locations for surveys.
3. Determine most effective approach (es) to reduce time lag of data output and speed up communication process between contractors, USACE and IWG during construction.
4. Review DEP's proposed biological monitoring methods for the project and identify areas where USACE is considering supplementing these with additional monitoring (water quality/instrumentation).

October 10th

- 9:30 Introduction, Participants, Lunch orders
- Welcome by Patricia 'Soupy' Dyslander (USGS)
1. Review of Agenda and meeting goals
 2. Stepping through the DEP Draft Plan: *Review of Draft Biological Monitoring Methods for the Port Everglades Navigation Improvements Project dated February 16, 2017.* (See outline below Agenda) – Note: Presentation by Xaymara Serrano as we go through the outline with the decisions based on Agreement, Areas of Disagreement, and Resolution.
- 12:30 Lunch; Presentation by Lew Gramer and/or Curt Storlazzi on best approaches for measuring turbidity and suspended sediment concentrations in/near reef areas (TBD)
- 1:30 3. (Cont'd) Review of draft monitoring plan.
- 5:30 Wrap up of the Day

October 11th

- 8:00
1. Summary of yesterday's meeting & continuation or wrap up issues on monitoring plan.
 2. Implementation of the BMP, including:
 - Formatting of data deliverables (file format, spreadsheet templates, naming convention for deliverables)
 - Reporting requirements / timelines (when are reports needed? When would only data be needed?)

- Mechanism of submittal (email, secure ftp site, public website)
- Qualifications of monitoring firms / individuals conducting work
- Calibration between observers in the field (protocols and frequency)
- QA / QC process and data management (documenting any changes to field data; best management practices for large datasets)
- 3rd party contractor oversight - roles and responsibilities (e.g., field work, data QA/QC, reporting)
- Long-term process for continued coordination / communication throughout the duration of monitoring pre-, during, and post-construction

12:00 Lunch (Presentation by Drew Condon: Instruments being considered by the Corps – Pros & Cons)

12:30 Morning Session cont'd.

Goals & Parameters for Water Quality Monitoring – Overview

3. Other Methods (Instrumentation): Note this is a continuation from yesterday's discussion on benthic sediment survey protocols: Proxies which can also contribute to a water quality monitoring plan (Drew Condon & Xaymara Serrano). Will include purposes of instrumentation to supplement biological monitoring; instruments proposed (type of data collected and pros/cons), and experts' recommended instrumentation to accomplish goals.

4. Water Quality Plan components

5. Linking Benthic Habitat Monitoring & Water Quality Monitoring

3:00 Wrap-Up and Next Steps including how to address unfinished topics.

3:30 Close

Review of Draft Biological Monitoring Methods for the Port Everglades Navigation Improvements Project dated February 16, 2017.

(Outline prepared for the October 10-11 IWG Meeting; **areas in red denote discussion points**)

1.0 Introduction

2.0 Assessment Area and Control Site Monitoring

2.1 Spatial arrangement of permanent monitoring stations (Replication)

2.1.1 Selection of Control Stations – Review of alternatives

2.2 Monitoring Events (Timing and frequency)

2.3 Monitoring Protocols

2.3.1 Transect, belt transect, and quadrat configuration and establishment (Replication)

2.3.1.1 Transect configuration and establishment

2.3.1.2 Belt transect configuration and establishment

2.3.2 Survey Methods

2.3.2.1 Digital Video Surveys (Data analysis during construction)

2.3.2.2 Sediment survey Protocols

2.3.2.2.1 Interval sediment depth measurements (Reducing variability in data; appropriate training; other methods and potential use of instrumentation for adaptive monitoring)

2.3.2.2.2 Sediment characterization (Divers vs instrumentation; qualitative vs quantitative data/analyses)

2.3.2.2.3 Sediment Collection

2.3.2.3 Belt transect surveys

2.3.2.3.1 Enumeration, identification and measurement of scleractinian corals

2.3.2.3.2 Assessment of tagged corals, octocorals and sponges

2.3.2.4 Modified BEAMR surveys within permanent quadrats

3.0 Monitoring Team

4.0 Additional Quality Assurance/Quality Control