

Technical Oversight Committee

TOC



The Technical Oversight Committee (TOC) originated from the Settlement Agreement of July 11, 1991 as a mechanism for technical review and conflict resolution to support the Everglades Program begun by the Agreement and continued in the 1994 Everglades Forever Act.

The following is an index listing of TOC meetings and documents. To request a document, please contact gredfiel@sfwmd.gov and provide the meeting date and title of the article that you are interested in.

TOC Meeting Archives

2009.....

2009

December 15, 2009

12/15/2009 Agenda

1) [DRAFT Meeting Minutes for 6/30/09 \(PDF\)](#)

Garth Redfield, SFWMD (reposted 12/15/09)

2) [Settlement Agreement Report, April - June 2009 \(PDF\)](#)

Cheol Mo, SFWMD (posted 9/17/09)

3a) [Refuge's Enhanced Water Quality Program](#)

April 2009 – June 2009 Data Update, Matt Harwell, FWS (posted 12/01/09)

3b) [Refuge's Enhance Water Quality Program](#)

July 2009 - September 2009 Data Update, Matt Harwell, FWS (reposted 12/16/09)

4) [Request to Eliminate the HGOS Project \(PDF\)](#)

Mark Gabriel, SFWMD (posted 12/7/09)

5) [The Settlement Agreement Report](#)

Third Quarter, July - September, 2009, Pam Lehr, SFWMD (reposted 12/16/09)

5a) [Settlement Agreement Report Presentation \(PowerPoint\)](#)

Third Quarter, July-September 2009, Pam Lehr, SFWMD (posted 12/14/09)

6) [Quality Assessment Report for Water Quality Monitoring \(PDF\)](#)

Third Quarter, July - September 2009, Zdzislaw Kolasinski, SFWMD (reposted 12/11/09)

7) [Everglades Restoration Transition Plan - Phase 1 \(PDF\)](#)

Eric Bush, USACE (posted 12/14/09)

[8\) Water Quality to Everglades National Park \(PDF\)](#)

Information to support discussion of Everglades Restoration Transition Plan and Water Quality
Calvin Neidrauer, SFWMD (posted 12/14/09)

[9\) Stormwater Treatment Areas and Related Projects Update, Part 1 \(PDF\)](#)

Tracey Piccone, SFWMD (posted 12/15/09)

[10\) Stormwater Treatment Areas and Related Projects Update, Part 2 \(PDF\)](#)

Jeff Kivett/Alan Shirkey, SFWMD (posted 12/15/09)

[11\) Draft Meeting Minutes for 6/30/09 \(PDF\)](#)

Garth Redfield, SFWMD (reposted 12/15/09)

August 18, 2009 TECHNICAL WORKING GROUP

08-18-2009 Agenda

[a. Refuge Stage Data - base period & 1994-2009](#)

Refuge stage data compiled by Gary Goforth.

[b. Refuge EVPA sampling trip field logs - 10/'07, 11/'08, and 6/'09](#)

Refuge monthly water quality sampling (Project EVPA) field logs for October 2007, November 2008, and June 2009 trips.

[c. Refuge Enhanced WQ Monitoring sampling trip field logs - 9/07-11/07; 6/08-7/09](#)

Field notes for grab sample collections from the Enhanced Water Quality Monitoring Program at the Refuge. Records are from 09/07 through 11/07 and 06/08 through 07/09.

[Refuge EWQ Field Notes Sep07-Nov07](#)

[Refuge EWQ Field Notes Jun08-Dec08](#)

[Refuge EWQ Field Notes Jan09-Jun09](#)

[d. Rainfall data](#)

Daily rainfall data are attached. S-5A, S-6 and S-39 contain the most reliable long-term data set.

[e. Flow data](#)

Flow data for Refuge inflow and outflow structures; a file with daily flow and TP at these structures will be posted separately.

[f. Refuge EWQ data - 09/07-11/07 & 06/08 - 06/09](#)

These water quality data are from grab samples collected at the A.R.M. Loxahatchee National Wildlife Refuge as part of the Enhanced Water Quality Monitoring Program. The requested periods of record are September 2007 through November 2007 and June 2008 through June 2009.

[g. Continuous conductivity data](#)

Attached are continuous conductivity data collected along three transects. Two of the transects are associated with the STAs and one is associated with the S-6 structure that used to direct inflows to the Refuge.

[Sondes along the STA-1E transect](#)

[Sondes along the S6 transect](#)

[Sondes along the STA-1W transect](#)

[h. Daily flow and TP for Refuge Structures](#)

Daily flow and TP for Refuge Structures

[i. Refuge 14-station TP data](#)

14 station TP data

[j. Sampling Depths](#)

Water depths at the 14 stations

[k. Sample Collection Intervals](#)

Sample Collection Intervals

[l. Refuge June 17&19, 2009 Sampling Log](#)

[m. Refuge June 17&19, 2009 Sampling Data](#)

[n. Presentation for 8/19/2008 Workgroup](#)

[o. Interim Update: Preliminary Analyses of Excursions in the A.R.M. Loxahatchee National Wildlife Refuge](#)

[p. Taylor Slough and Refuge soil TP transect 2007](#)

The attached file contains TP data for soils collected as a transect down the Taylor Slough and

several transects in the Refuge. These data were collected by UF in 2007.

[q. Everglades Restoration Transition Plan \(ERTP\) - Phase 1 \(PDF\)](#)

Eric Bush, USACE (posted 12/14/09)

June 30, 2009

06-30-2009 Agenda

PDF, posted 6/29/09)

1) DRAFT Meeting Minutes for 3/24/09

Garth Redfield, SFWMD (posted 5/6/09)

2) Settlement Agreement Report [PDF]

January - March 2009; Cheol Mo, SFWMD (posted 6/17/09)

2a) Settlement Agreement Report Presentation

[PDF] January thru March '09 Pam Lehr (posted 6/29/09)

3) Request to Discontinue HGOS Monitoring

[PowerPoint] Mark Gabriel, SFWMD (REPOSTED 6/29/09)

4) Draft Guidelines for Suspending Marsh Monitoring Based on Stage Data

[PowerPoint] Pete Rawlik, SFWMD (posted 6/22/09)

5) Quality Assessment Report for Water Quality Monitoring

January - March 2009; Zdzislaw Kolasinski, SFWMD (reposted 6/23/09)

6) Comments on the Compliance Report for Shark River Slough Inflow Phosphorus Limits in Water Year 2008

[PDF] Bill Walker, DOI (posted 6/23/09)

7) Summary of Water Quality Monitoring Changes at WCA2A Structures under the Recorded Flow Demonstration Project

Action Item Followup from March 09 meeting Pete Rawlik, SFWMD (posted 6/25/09)

8) Update on STAs and Related Projects Part 1

[PowerPoint] Tracey Piccone, SFWMD (posted 6/26/09)

9) Update on STAs and Related Projects Part 2

[PowerPoint] Jeff Kivett, SFWMD (posted 6/26/09)

10) Refuge's Enhanced Water Quality Program Monthly Sampling

January 2009 - March 2009 Data Update; Matt Harwell, FWS (PDF, posted 6/26/09)

11) A.R.M. Loxahatchee National Wildlife Refuge, Refuge Modeling Development and Application

Status Report: June 2009; Mike Waldon, FWS (PDF, posted 6/26/09)

12) Periphyton Stormwater Treatment Area (PSTA) Studies - STA1E

[PDF] Ron Jones, Portland State Univ. (Posted 6/29/09)

March 24, 2009

03-24-2009 Final Agenda

1) DRAFT Meeting Minutes for 1/29

Garth Redfield, SFWMD(posted 3/2/09)

2) Reengineering Monitoring Water Conservation Area 2A [pdf]

(WCA-2A) Pilot Project - Peter Rawlik, SFWMD, (posted 3/12/09)

3) Settlement Agreement Report

October - December 2008; Cheol Mo, SFWMD (posted 3/18/09)

3a) Settlement Agreement Report Presentation

October - December 2008 Cheol Mo, SFWMD, (posted 3/23/09)

4) Quality Assessment Report for Water Quality Monitoring

October - December 2008; Zdzislaw Kolasinski, SFWMD (posted 3/18/09)

5) Refuge's Enhanced Water Quality Program

October - December, 2008 update; Matt Harwell, FWS (posted 3/23/09)

6) STAs and Related Projects Update

Tracey Piccone, SFWMD (posted 3/24/09)

7) Update on STAs and Related Projects

Jeff Kivett, SFWMD (posted 3/24/09)

January 29, 2009

01-29-2009 Draft Minutes

(Posted 2/27/09)

01-29-2009 Final Agenda

1) Quality Assessment Report for Water Quality Monitoring

July - September, 2008. Z. Kolansinski, SFWMD (re-posted 2-2-09)

2) Refuge's Enhanced Water Quality Program Monthly Sampling

July - September, 2008; Matt Harwell, FWS (posted 12/7/08)

3) Settlement Agreement Report

July - September 2008; Cheol Mo, SFWMD (posted revised 1/26/09)

3a) Settlement Agreement Presentation

Powerpoint Pam Lehr, SFWMD (posted 1/23/09)

4) Request for Changes to Settlement Agreement Monitoring

Powerpoint - Pete Rawlik, sfwmd (Updated Post 1/22/09)

5) Marsh Resampling Guidelines

Pete Rawlik SFWMD (posted 12/10/08)

6) Guidelines for Resampling from Marsh Stations

Response to Comments Pete Rawlik, SFWMD (posted 12/10/08)

7) Weaver's Comments on sample recollection

Ken Weaver, FDEP (posted 8/15/08 - reposted 1/6/09)

8) EPT comments on sample recollection

Nick Aumen, EPT (Posted 8/06/08 - reposted 1/6/09)

9) EPT response to SFWMD issue paper

Nick Aumen, EPT (Posted 8/06/08 - reposted 1/6/09)

10) Resampling Guidance

When Should Field Crews Resample Water Quality at a site? --Powerpoint Pete Rawlik, SFWMD (Updated post 1/22/09)

10a) Resampling Guidance for District Water Quality Sampling

A companion document, Pete Rawlik, SFWMD (posted 1/15/09)

11) Process for Assessing Data Usability [PDF]

Ken Weaver, FDEP (Posted 1/30/09)

12) Long-Term Plan: STA and Related Projects Update

Tracey Piccone, SFWMD (posted 2/3/09)

13) Long-Term Plan: Projects Update

Jeff Kivett, SFWMD (posted 2/3/09)

Technical Oversight Committee

TOC



The Technical Oversight Committee (TOC) originated from the Settlement Agreement of July 11, 1991 as a mechanism for technical review and conflict resolution to support the Everglades Program begun by the Agreement and continued in the 1994 Everglades Forever Act.

TOC Meeting Archives

2008

2008

May 20, 2008 (last meeting in 2008)

[FINAL Agenda](#)

(Posted 5/20/08)

[1\) QA Report for Water Quality Monitoring Jan - March 2008](#)

Reposted 5/12/08

[2\) Guidelines for Recollecting Samples from Marsh Stations](#)

(Posted 5/9/08)

[2a\) Resampling Handout](#)

(Posted 5/19/08)

[3\) State Parties Issue Paper: Analysis of the October 2007 Excursion](#)

(Posted 5/9/08)

[3a\) State Parties Issue Paper Summary- One Pager](#)

(Posted 6/4/08)

[4\) Refuge Water Needs Working Group Technical Summary](#)

Summary Documents and Presentation Slides - Mike Waldon, FWS (Posted 5/14/08)

[5\) Settlement Agreement Report](#)

January - March, 2008 (posted 4/14/08)

[6\) Settlement Agreement Report Presentation](#)

(posted 5/14/08)

[7\) P-Network TP Concentrations \(in ppb\) Data](#)

Cheol Mo, SFWMD (Posted 5/19/08)

[8\) Comparison of Arithmetic Mean Stage vs. Weighted Mean Stage in Refuge Compliance Calculations](#)

Powerpoint- Cheol Mo, SFWMD (Posted 5/20/08)

[9\) Projects Update](#)

Powerpoint - Tracey Piccone, SFWMD (Posted 5/20/08)

[9a\) WY08 Preliminary Data](#)

Tracey Piccone, SFWMD (Posted 5/20/08)

[10\) TOC Refuge Water Needs Summary](#)

[powerpoint] Mike Waldon, FWS (Posted 6/4/08)

February 26, 2008

[Final Minutes - February 26 2008](#)

(Posted 6/9/08)

[Final Agenda](#)

(Posted 2/20/08)

[1\) Facts Concerning Data Loading into DBHYDRO](#)

Dave Struve, SFWMD (Posted 2-7-08)

[2\) TOC- DRAFT Meeting Minutes from December 18, 2007 \[.doc\]](#)

For review and approval (posted 1/17/08)

[2a\) TOC- DRAFT Meeting Minutes from August, 2007 \[.doc\]](#)

For review and approval (posted 1/17/08)

[3\) Settlement Agreement Report Presentation](#)

October - December 2007, Pam Lehr, SFWMD (Posted 2/22/08)

[4\) Follow Up Request to Consider Re-activating Stations L40-1 and L40-2](#)

Pete Rawlik, SFWMD (posted 2/25/08)

[5\) Research Associated with the 1992 Settlement Agreement](#)

Sue Newman & Fred Sklar, SFWMD (posted 2/25/08)

[6\) STAs and Related Projects Update](#)

Tracey Piccone, SFWMD (posted 2/26/08)

[7\) Theoretical Causes of Re-Sampling and Draft Recommendations for Discussion](#)

Pete Rawlik, SFWMD (posted 2/26/08)

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TOC Meeting Archives

2007

2007

December 18, 2007

[Agenda for December 18th](#)

(Posted 12/17/07)

[1\) WQ Data from Refuge's Enhanced WQM Program \[pdf\]](#)

This data file presents water quality data for the Refuge's Enhanced Water Quality Monitoring Program from April 2007 - September 2007. It supplements previously posted data (Item #9 in June 19th, 2007 TOC Meeting Archive). Matthew Harwell, DOI (posted 11/30/07)

[2\) Presentation for July - September Settlement Agreement Report \[pdf\]](#)

(Re-Posted 12/17/07)

[3\) A Request to Modify Monitoring at Acme1DS and G94D](#)

Pete Rawlik, SFWMD (posted 12/11/07)

[4\) Projects Update](#)

Tracey Piccone, SFWMD (posted 12/17/07)

[NOTE: The Settlement Report Revised 1/3/08](#)

July through September, 2007

August 28, 2007

[1\) Final Agenda for August 28, 2007](#) (Posted 8/27/07)

[2\) Settlement Agreement April - June 2007 \(Presentation\)](#)

(PowerPoint posted 8/24/07)

[3\) Lake Okeechobee Status Update](#)

Susan Gray, Ph.D, SFWMD (PowerPoint posted 8/27/07)

[4\) DRAFT minutes from June 19 2007 Meeting](#)

(posted 8/27/07)

[5\) STAs and Related Projects Update](#)

Tracey Piccone, SFWMD (PowerPoint Posted 8/28/07)

Additional Documents:

[Issues Regarding the Load Reductions of the Settlement Agreement - June 25, 2007](#)

Gary Goforth & Bill Walker (Posted 8/29/07)

[Adding depth to consolidated substrate \(DCS\) to DBHYDRO \[Word\]](#)

District response to the TOC request to make Depth to Consolidated Substrate (DCS) a standard parameter in the DBHYDRO database.

June 19, 2007 (Special Meeting)

[1\) Final Agenda](#)

(Posted 6-19-07)

[2\) Load Reduction Allocations \[excel\]](#)

Bill Walker (Posted 6-14-07)

[3\) Load Reduction rain Model \[excel\]](#)

Bill Walker (Posted 6-14-07)

[4\) Load Reductions DRAFT \[pdf\]](#)

Revised Methodology for Measuring Compliance with Consent Decree Load-Reduction Requirements Bill Walker, DOI (Posted 6-14-07)

[5\) Reference for Agenda Topic # 4 re: Phosphorus Data Sets](#)

Fabricating Data: How substituting values for nondetects can ruin results, and what can be done about it - provided by Matt Harwell, FWS (Posted 6-15-07)

[6\) Reference for Agenda Topic # 4 re: Phosphorus Data Sets](#)

More Than Obvious: Better Methods for Interpreting Nondetect Data - provided by Matt Harwell FWS, (Posted 6-15-07)

[7\) Reference for Agenda Topic # 4 re: Phosphorus Data Sets](#)

Estimating the Mean and Variance of Censored Phosphorus Concentrations in Florida Rainfall - (Hosung Ahn) provided by Garth Redfield, SFWMD (Posted 6-15-07)

[8\) Draft Meeting Minutes 5-22-07](#)

(Posted 6-19-07)

[9\) Loxahatchee Water Quality Monitoring Network](#)

Matt Harwell (Re-posted 7-19-07) This revised file has a simple change on the December 2006 spreadsheet (page 8) -- the "Sample Month" column needed some changes - no actual data were changed anywhere in the file.

[10\) Revised Method for Measuring Compliance with Consent Decree Load-Reduction Requirements](#)

William Walker (Posted 6-19-07)

[11\) Summary of Pending Changes to TOC Monitoring](#)

Pete Rawlik (Posted 6-19-07)

[12\) P - Monitoring Network Data Report](#)

Cheol Mo (Posted 6-19-07)

[12a\) Associated report: P- Criteria Calculation Method](#)

Cheol Mo (Posted 6-19-07)

[12b\) Associated Report: Data Quality Screening Protocol.](#)

Cheol Mo (Posted 6-19-07)

[12c\) Associate Report: Surface Water Quality Standards](#)

Cheol Mo (Posted 6-19-07)

[13\) Reference for Agenda Topic #4 re: Phosphorus Data Sets](#)

Comparison of Statistical Methods in Handling Minimum Detection Limits [pdf]
Provided by Ken Weaver FDEP (Posted 6-20-07)

May 22, 2007

[1\) Meeting Agenda](#)

(PDF posted 5/17/07)

[2\) Accelerated Invasive Species Control Plan for A.R.M. Loxahatchee National Wildlife Refuge: 2007-2008](#)

LeRoy Rodgers, SFWMD (PDF posted 4/5/07)

[3\) DRAFT Minutes for 2-27 Meeting](#)

Draft minutes for review and approval from the 2-27-07 meeting. (PDF posted 4/5/07)

[3a\) Revised DRAFT Minutes from the 2-27-07 Meeting](#)

Minutes revised after the meeting on 5-22-07 (posted 5/24//07)

[4\) A.R.M. Loxahatchee National Wildlife Refuge - Accelerated Exotics Control Plan](#)

Powerpoint -William G. Miller, FWS (Revised - posted 5/21/07)

[5\) Current Settlement Agreement Report](#)

January - March, 2007 (posted 5/18/07)

[6\) Settlement Agreement Report Presentation](#)

Pam Lehr SFWMD- (Posted 5/21/07)

[7\) Northern Everglades](#)

Tom Teets, SFWMD (Posted 5/21/07)

[8\) S-12D Spillway Structure Maintenance Dredging](#)

Greg Coffelt, SFWMD (Posted 5/21/07)

[9\) STAs and Related Projects Update](#)

Tracey Piccone - SFWMD (Posted 5/22/07)

[10\) EPA Projects Update](#)

Jeff Kivett - SFWMD (Posted 5/22/07)

[11\) Drought Update - Water Conditions Report](#)

Susan Sylvester, SFWMD (Posted 5/24/07)

February 27, 2007

[1\) FINAL Agenda for 2-27-07](#)

(updated 2/26/07)

[2\) Draft Meeting Minutes - 12/20/06](#)

for review and approval(updated 2/26/07)

[3\) Draft Meeting Minutes from 10/03/06](#)

for review and final approval(posted 2/20/07)

[4\) Current Settlement Agreement Report](#)

October - December 2006 (posted 2/14/07)

[5\) Sampling and Analysis Plan for the USACE](#)

Paul DuBowoy COE (posted 2/15/07) Please direct questions or comments to John Keiser (john.e.keiser@usace.army.mil; 904-232-1758) by 15 March 2007.

[6\) State technical response to DOI presentation](#) State Response to "Comparison of Methods for Tracking Marsh Phosphorus

Concentrations in Loxahatchee National Wildlife Refuge Under the Consent Decree" (posted 2/20/07)

[7\) Evaluation Of An Alternative Method For Assessing Compliance With The Load Reduction Expectations Of The Settlement Agreement](#)

Gary Goforth (revised and re-posted 2/23/07)

[8\) Alternative Load Reduction Assessment \[excel\]](#)

Gary Goforth (posted 2/20/07)

[8a\) Alternative Load Reduction Assessment \(Powerpoint\)](#)

Gary Goforth (posted 2/26/07)

[9\) Refuge Enhanced Monitoring and Modeling Program - 2nd Annual Report](#)

Link to SOFIA website ~ Matt Harwell (posted 2/20/07)

[10\) Settlement Agreement Presentation](#)

October - December, 2006 (posted 2/21/07)

[11\) S-12D Spillway Structure Maintenance Dredging](#)

Gregory L. Coffelt, SFWMD (posted 2/26/07)

[12\) STAs and Related Projects Update](#)

Tracey Piccone (posted 2/27/07)

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TOC Meeting Archives

2006

2006

December 20, 2006

[1\) Final TOC Agenda 12-20-06.pdf](#)

December 20, 2006 (posted 12/14/06)

[2\) Status Update on Long-Term Plan Projects](#)

Tracey Piccone, P.E. (posted 12/15/06)

[3\) Class III vs Appendix B](#)

Jerry Brooks - FDEP (posted 12/15/06)

[4\) State's Phosphorus Rule is both More Protective and Lower than Appendix B of the Consent Decree \[PDF\]](#)

Garth Redfield. Ph.D (posted 12/15/06)

[5\) DRAFT meeting minutes from the November 14, 2006](#)

Garth Redfield (re-posted 01/02/07 with changes)

[6\) Comparison of Methods for Tracking Marsh Phosphorus Concentrations in Loxahatchee National Wildlife Refuge Under the Consent Decree](#)

William W. Walker, Jr., Ph.D. Environmental Engineer - DOI (Posted 12/19/06)

[7\) Federal responses to SFWMD document authored by Garth Redfield](#)

Posted by Nick Aumen, DOI (Posted 12/19/06) Referring to document titled " State's Phosphorus Rule is both More Protective and Lower than Appendix B" of the Consent Decree...(Matt Harwell presented last pages as a presentation on 12/20)

[8\) Federal responses to DEP presentation authored by Jerry Brooks](#)

Posted by Nick Aumen, DOI (Posted 12/19/06) referring to document titled "Class III vs Appendix B"

[9\) Comparison of Methods for Tracking Marsh Phosphorus Concentrations in Loxahatchee National Wildlife Refuge Under the Consent Decree i.e. 4PT vs. LTL](#)

William W. Walker, Jr, Ph.D. Environmental Engineer (posted 12/20/06)

[10\) Nitrogen and Phosphorus Uptake in the Everglades Conservation Areas, Florida, with Special Reference to the Effects of Backpumping Runoff](#)

Referred to by M. Wladon at the 12/20 meeting --Water-Resources Investigations Report 76-29 - By B.F. McPherson, B.G. Waller, and H.C. Mattraw (posted 12/20/06)

[11\) Comparison of methods for tracking marsh phosphorus concentrations in the Refuge under the Consent Decree \[excel\]](#)

Spreadsheets concerning the Walker analysis (posted 12/27/06)

November 14, 2006

[Final Meeting Minutes 11/14/06](#)

Minutes approved at December, 2006 meeting.

[1\) Final Meeting Agenda - 11/14/06](#)

[2\) Anticipated Benefits 1995 water reg schedule TOC presentation.ppt](#)

Review of Anticipated Benefits in 1995 Water Regulation Schedule for Water Conservation Area 1, presented by Dr. Laura A. Brandt USFWS Team Leader, Joint Ecological Modeling Lab (Posted 11/14/06)

[3\) Comparison of Class III Phosphorus Concentrations with Long-Term Levels for the Refuge \[PDF\]](#)

Gary Goforth - Revised Presentation, originally provided in June, 06 (posted 11/13/06)

[4\) Update on the Modified Water Deliveries to ENP](#)

G. Goforth, P. Linton, K. Taplin (re-posted final 11/14/06)

[5\) Letter from James Giattina, USEPA to Mimi Drew, FDEP \[PDF\]](#)

re: USEPA review of Rule 62-302.540 F.A.C (posted 11/13/06)

[6\) Letter from J.I. Palmer, USEPA to Mimi Drew, FDEP \[PDF\]](#)

[7\) Proposed Elimination of Monitoring at S5A-D](#)

Juli LaRock, SFWMD and Mike Waldon, USFWS Re-posted 01/02/07...corrected location for G300

[8\) Refuge TP Data Summary \[PDF\]](#)

Summary of FDEP P Compliance Monitoring Network for Refuge - May 2, 2006 proposal (posted 11/13/06)

[9\) Settlement Agreement Report July thru September, 2006](#)

Presentation - Pam Lehr (posted 11/13/06)

[10\) Federal responses to 6/26/06 TOC Questions \[PDF\]](#)

Responses to questions for the Principles posed from the June 6, 2006 TOC meeting - document provided by ENP(posted 11/13/06)

[11\) Federal technical response to 6/26/06 Goforth memo \[PDF\]](#)

Response to Goforth memo presented at the June, 2006 TOC - document provided by ENP (posted 11/9/06)

[12\) S-12D Maintenance Monitoring Plan \[PDF\]](#)

Monitoring Challenges and Solutions - joint project ENP and SFWMD, Pete Rawlik, presenter (posted 11/13/06)



TOC Meetings (listed by date)

October 3, 2006

- **EAA Basin Data Evaluation to Study the Relationship between Lake Okeechobee Inflows and EAA Runoff**

-EAA Basins Source Controls – Study Scope of Work (comments on the scope and any posted deliverables can be provided to Stuart Van Horn, (svanhorn@sfwmd.gov))

- A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring Network

June '06

July '06

- FINAL Meeting Agenda for October 3, 2006
 - Everglades Program Team comments on Goforth June 14, 06 document - "Five-year summary of operations affecting WCA-1"
 - Status of STAs, Recovery and Enhancement - Presentation
 - Stage Gage Resurveying in the Refuge - Presentation
 - Settlement Agreement April - June, 2006 - Presentation
 - Surveyor's Report, WCA1 Elevation Study
 - Comprehensive Monitoring Plans for Structures Surrounding Surrounding Everglades National Park
 - Calculation of Annual and 5-Year Geometric Mean Total Phosphorus Concentrations to Assess Achievement of the Phosphorus Criteria for the Everglades Protection Area
 - Final Draft Meeting Minutes for February 21, 2006 (Quarterly Meeting)
 - Final Draft Meeting Minutes for May 23, 2006 (Quarterly Meeting)
 - Final Draft Meeting Minutes for June 16, 2006 (Special Meeting)
 - A.R.M. Loxahatchee National Wildlife Refuge's Enhanced Water Quality Monitoring and Modeling Program
- Update: **On the main "Reports" page:** - April 2006 Quarterly Update - July 2006 Quarterly Update... **On the "Modeling Reports link" from the "Reports" page:** - Final Model Selection Report - Data Acquisition and Processing Report
- Monitoring Plan for Everglades Protection Area
 - **(Revised)** Questions for TOC Principals
 - **(Original)** Questions for TOC Principals
 - Refuge Long-Term Levels, WY99 - WY06

June 16, 2006

- Attachment 1: Final Agenda
- Attachment 2: Draft Minutes from the February 21, 2006 TOC Meeting
- Attachment 3: WCA-1 Temporary Deviation (*implemented April 22, 2005*)
- Attachment 4: Summary of Operations Affecting the Refuge
- Attachment 5: Five-Year Summary of Operations Affecting WCA-1
- Attachment 6: Phosphorus Criterion Monitoring Network White Paper, June 2006
- Attachment 7: Approval Letter from USEPA, January 24, 2005
- Attachment 8: Comparison of Class III Phosphorus Concentrations with the Long-Term Levels for the Refuge (*Presentation*)
- Attachment 9: Comparison of Florida Class III Phosphorus Concentrations and the Long-Term Levels of the Consent Decree for the Refuge

- Attachment 10: Refuge Long-Term Levels, WY99 - WY06 (*G. Goforth Excel file*)
- Attachment 11: Questions for TOC Principles (*List in progress*)
- Attachment 12: Draft Language for Clarifying Marsh Sampling Requirements in Monitoring Plan, June 15, 2006
- Attachment 13: Lake Okeechobee Regulation Schedule Study
- Attachment 14: Briefing Memo - Everglades Ambient P-criterion Monitoring Network, May 3, 2006
- Attachment 15: Update on Field Sampling Procedures (*in QA Report*)
- Attachment 16: Update on Field Sampling Procedures (*Presentation*)

Background Information

- Summary of Quarterly Water Coordination Meeting for A.R.M. Loxahatchee NWR, April 10, 2006
- USEPA Comments on FDEP, August 17, 2005 Everglades Marsh TP stations
- Tech Comments on 1st draft of Marsh Monitoring Network, presented August 17, 2005
- Statistical Analysis on EAA Farm Data (by Stanley Consultants) *
 - Appendix B *
 - Appendix C Introduction *
 - Appendix C * --please note these documents are no longer available from this webpage
 --please refer to this [Link to the current SFWMD Long Term Plan website](#) for more information . . .

May 23, 2006

- Attachment 1: Final Agenda
- Attachment 2: DRAFT Meeting Notes from the February 21, 2006 TOC Meeting
- Attachment 3: Settlement Agreement Report: January–March 2006 (*Report*)
- Attachment 4: Settlement Agreement Summary Tables: January–March 2006 (*Presentation*)
- Attachment 5: S-12D Flow-Way Maintenance Plan
- Attachment 6: STA-1 West, Cell 5 Sediment, Topographic and Vegetative Enhancements
- Attachment 6a: STA Update (*Presentation*)
- Attachment 7: Everglades P Criterion Monitoring Network
- Attachment 8: Total Phosphorus Analyses Inter-Lab Differences between SFWMD & FDEP (*Presentation*)
- Attachment 9: Update on Field Sampling Procedures
- Attachment 9a) Sampling Procedures Video Clip (Very large file: 88 MB)
- Attachment 10: NECP Monitoring Modifications Request (*Presentation*)
- Attachment 11: Request to Discontinue Wet Atmospheric Deposition Monitoring (*Presentation*)
 - Attachment 11a: Time Series Plots of TP and Alkalinity Concentration before and after installation of Splash Guard (Project RAIN)
 - Attachment 11b: Contaminant Summary
 - Attachment 11c: Flag Rates for Stations & Test Names
 - Attachment 11d: Flag Rates By Station

Other Items:

- Attachment 12: PSTA Project Status
- Attachment 13: Quality Assessment Report for Water Quality Monitoring: January–March 2006
- **Items posted after Meeting:**
 - Attachment A: Statistical Comparison of Total Phosphorus Data From the FDEP and SFWMD Labs in the Period of 2000-2004 (5-30-06)
 - Attachment B: WCA-1 Temporary Deviation (implemented April 22, 2005) (5-30-06)
 - Attachment C: USEPA Comments on FDEP, August 17, 2005 Everglades Marsh TP stations (6-06-06)
 - Attachment D: Tech comments on 1st draft of Marsh Monitoring Network, presented August 17, 2005 (6-06-06)

February 21, 2006

- Attachment 1: Final Agenda - 02/21/06
- Attachment 2: Settlement Agreement Report: October–December 2005
- Attachment 3: Quality Assessment Report for Water Quality Monitoring (2nd QTR, 2005)
- Attachment 3a: Quality Assessment Report for Water Quality Monitoring (Presentation)
- Attachment 4: Quality Assessment for SFWMD TP Analyses
- Attachment 5: Marsh Water Quality Sampling Update
- Attachment 6: Requests for Modifications to Settlement Agreement Mandated Monitoring
- Attachment 7: Update on the Operation and Performance of the STAs

- Attachment 8:Post WILMA Damage Assessment: Update
 - Attachment 9:S12 Flow-way Maintenance
 - Attachment 10:Impact of the Intermediate Operating Plan on Everglades National Park
 - Attachment 10a:Analyzing the Impact of the Intermediate Operating Plan (IOP) in the Eastern Everglades, Everglades National Park
-

2005 TOC Meetings

December 1, 2005

- Final Agenda
- Request to Cease Monitoring at Three Structures
- Zinc Phosphide Info Sheet
- Zinc Phosphide Presentation
- Draft PSTA Monitoring Plan
- Draft PSTA Operations Plan
- Final PSTA Design Analysis Report
- STA-1E PSTA Field-Scale Demonstration Operations Monitoring Plans
- DOI Response to FDEP Document on May and June Sampling Events, 12-01-2005
- Load Assessment: Water Year 2005

November 10, 2005

Due to conditions associated with Hurricane Wilma, the November 10 TOC meeting was rescheduled for Thursday, December 1, 2005.

October 18, 2005 – Special Meeting

- Final Agenda
- Final Meeting Notes from the August 16, 2005 TOC Meeting
- Depth to Consolidated Sediment and Floc Depth at Refuge EVPA Sites
- Working Group Report on Recent TP Levels in the Refuge
- Marsh Sampling Workshop Meeting Summary, September 26th, 2005
(DOI Comments have been added to the end of this file) **updated 041806**
- Technical Support Document on Data Quality of Water Quality Data Collected During the May and June 2005 Monitoring Events for the EVPA (LOX) Project
(Original Draft; presented at the 08-16-2005 TOC meeting)
- Technical Support Document on Data Quality of Water Quality Data Collected During the May and June 2005 Monitoring Events for the EVPA (LOX) and Refuge LOXA Projects (Final Version)
- Refuge TP Compliance Table: Feb 1999—September 2005
- Refuge TP Data: Feb 1999—September 2005
- Refuge TSS Data: Feb 1999—September 2005
- DOI comments on Meeting Summary for the Sampling Workshop
- Refuge EVPA Water Quality Data, May–June 2005
- Refuge Response to State's Reports on May and June 2005 EVPA Sampling Events
- Miccosukee Tribe's Comments Concerning Exclusion of May–June 2005 Data
- TOC Decision on May–June 2005 Data for the Refuge
- Cattail Research Slides
- Cattail Research Map: Approximate Location of Cattail Habitat Improvement Plots and Transect Sites in WCA2A
- Everglades Division Cattail Habitat Improvement Project & Fire Project: Accelerated Recovery Research
- The Fire Project: Assessing Long-Term Ecological Effects of Fire on Accelerating Recovery in a P-Enriched Everglades Wetland
- Requests for Modifications to Settlement Agreement Mandated Monitoring at Three Structures and a Preview of Future Requests
- Proposed Revisions to the Long-Term Plan for Achieving Everglades Water Quality Goals
- Enhanced Water Quality Monitoring and Modeling Program for the A.R.M. Loxahatchee National Wildlife Refuge Quarterly Update Report – September 2005
- Assessment of the Quality of May–June 2005 TP Data and the Monitoring Processes for EVPA (LOX) Project, version 09-08-2005
- Proposed TOC Resolution by Mike Waldon, 09-16-2005
- Stormwater Treatment Area-1 West Recover Plan

September 20, 2005 – Special Meeting

Due to conditions associated with Hurricane Rita, the 9/20 TOC Meeting was cancelled. Agenda items from the 9/20 meeting were moved to the 10/18 Special Meeting agenda.

August 16, 2005

- Final Meeting Notes
- Attachment A: Final Agenda
- Attachment 1: Final Meeting Notes from July 12, 2005 Special Meeting
- Attachment 2A: Settlement Agreement Report: January–March 2005
- Attachment 2B: Settlement Agreement Report: April–June 2005
- Attachment 2C: Presentation on the Settlement Agreement Reports for January–March 2005 and April–June 2005
- Attachment 3: CERP North Palm Beach County, Part 1 Presentation
- Attachment 4: Everglades National Park Monitoring: Procedures for Assuring Quality Sample Collection
- Attachment 5A: Water Conservation Area 1 Map, showing LOX stations
- Attachment 5B: TP Concentrations in the Refuge: LOXA Transects
- Attachment 5C: Technical Support Document in Support of Data Quality Screening of Water Quality Data Collected During the May and June 2005 Monitoring Events for the EVPA (LOX) Project (*DRAFT*)
- Attachment 5D: A Protocol for Collecting Surface Water Samples in Marshes of the FL Everglades
- Attachment 5E: Assessment of the Quality of May-June 2005 TP Data and the Monitoring Processes for EVPA (LOX) Project
- Attachment 6A: Draft Report to Principals, with attachments, 07-13-2005 draft
- Attachment 6B: Draft Report to Principals, with attachments, 08-16-2005 revision
- Analysis of Marsh Phosphorus Data from Loxahatchee National Wildlife Refuge, March 11, 1999
- Analysis of Water Quality Monitoring Data from A.R.M. Loxatchee National Wildlife Refuge, October 29, 1999
- Refuge Field Sampling Notes (EVPA): January–June 2005 (Large file: 6.18 MB)

July 12, 2005 – Special Meeting

- Final Meeting Notes
- Attachment 1: Final Agenda
- Attachment 2: June 13, 2005 TOC Special Meeting Notes
- Attachment 3: Refuge LOXA Map, Transects, & TP Summary Data (Large file: 2.23 MB)
- Attachment 4: Refuge Total Phosphorus Compliance Tracking Data
- Attachment 5: Settlement Agreement Report: April–May 2005 Data Update

June 13, 2005 – Special Meeting

- Final Meeting Notes
- Attachment 1: Final Agenda
- Attachment 2: May 17, 2005 TOC Meeting Notes
- Attachment 3: Monthly areal rainfall on each rain area for August and September 2004, and return periods
- Attachment 4: STA Update
- Attachment 5: Test for Determining Achievement of 50 ppb Phosphorus Initial TBEL for Everglades Stormwater Treatment Areas
- Attachment 6: Frank Nearhoof's 50 ppb TBEL Presentation
- Attachment 7: Comments from Bill Walker on Draft 50 ppb TP Achievement Methodology, 6/13/05
- Attachment 8: Preliminary Estimates of Loads to the Refuge After STA-1E is in Operation (*DRAFT*), May 12, 2005
- Attachment 9: USACE Comments on "Preliminary Estimates of Loads to the Refuge After STA-1E is in Operation (*Draft*)", June 2005
- Attachment 10: DOI comments on Dr. Goforth's "Preliminary Estimates of Loads to the Refuge After STA-1E is in Operation, (*Draft*)"
- Attachment 11: TOC Preliminary Recommendations for Further Investigations of the Relationship Between Water Management and Water Quality (*Draft*)
- Attachment 12: Action Items Towards Recommendations to Principals on Water Management Practices and Water Quality in the Refuge, May 17, 2005
- Attachment 13: Recommendations to Principals for Water Management Activities Relating to Water Quality
- Attachment 14: Total Phosphorus Sample Collection at the S-10 and S-39 Structures, and Recommendations for Future Sampling
- Attachment 15: Flow and Water Quality Monitoring at the S10A, S10C, S10D and S39 Structures

- Attachment 16: DOI Response to written comments on the April 19, 2005 A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring and Modeling - Interim Report
- STA Phosphorus Compliance Data (Updated) – Frank Nearhoof (Excel Spreadsheet)

May 17, 2005

- Final Meeting Notes
- Attachment 1: Final Agenda
- Attachment 2a: STA Phosphorus Compliance Test (Draft)
- Attachment 2b: STA Phosphorus Compliance Test (Draft) (Excel Spreadsheet)
- Attachment 3a: Presentation on the Oct–Dec 2004 Settlement Agreement Report
- Attachment 3b: Settlement Agreement Report: October–December 2004
- Attachment 4a: A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring and Modeling Interim Report, 4/19/05 [Executive Summary only]
- Attachment 4b: A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring and Modeling Interim Report, 4/19/05 [Full Report]
- Attachment 5: Comments from the South Florida Water Management District on "A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring and Modeling – Interim Report (4/19/05 Draft)"
- Attachment 6: Comments from the Florida Department of Environmental Protection on "A.R.M. Loxahatchee National Wildlife Refuge Enhanced Water Quality Monitoring and Modeling – Interim Report (4/19/05 Draft)"
- Attachment 7: Preliminary Estimates of Loads to the Refuge After STA-1E is in Operation (Draft), May 12, 2005
- Attachment 8: EAA Regional Feasibility Study, May 17, 2005
- Attachment 9: TOC Preliminary Recommendations for Further Investigations of the Relationship Between Water Management and Water Quality (Draft), 2/24/05
- Attachment 10: TOC Preliminary Recommendations for Further Investigations of the Relationship Between Water Management and Water Quality (Draft), 5/17/05
- Attachment 11: Action Items Towards Recommendations to Principals on Water Management Practices and Water Quality in the Refuge
- STA Enhancements Update: April 25, 2005 (Presentation by Gary Goforth)

February 24, 2005

- Final Meeting Summary
- Final Agenda
- Attachment 1: A Request to the TOC to Remove NH4 from Monitoring by Autosamplers at Seven Stations
- Attachment 2: Draft TOC Meeting Summary, November 30, 2004
- Attachment 3: Draft TOC Meeting Summary, January 25, 2005
- Attachment 4: Settlement Agreement Report, July–September 2004
- Attachment 5a: Using District GIS Resources for Hydrologic Monitoring (Presentation)
- Attachment 5b: Using District GIS Resources for Hydrologic Monitoring (Handout)
- Attachment 6: Update on Regional Water Management Decision Study
- Attachment 7: Quarterly Update on Enhanced Water Quality Monitoring and Modeling Program for the A.R.M. Loxahatchee National Wildlife Refuge
- Attachment 8a: Hydrologic Mass Balance Analysis for STA-1W Inflow Basin and Flow Data Estimation for G301 Spillway (Nov. 2, 1999 to Sep. 30, 2004) (Presentation)
- Attachment 8b: Hydrologic Mass Balance Analysis for STA-1W Inflow Basin and Flow Data Estimation for G301 Spillway (Nov. 2, 1999 to Sep. 30, 2004) (Technical Notes)
- STA-1E Startup
- STA1E Aerial Map
- Final Draft: Progress Report on Remedial Measures to Control Phosphorus Loads to the A.R.M. Loxahatchee National Wildlife Refuge
- Signed Copy: Progress Report on Remedial Measures to Control Phosphorus Loads to the A.R.M. Loxahatchee National Wildlife Refuge, February 24, 2005 (signed copy)
- TOC Recommendations for Further Investigations of the Relationship Between Water Management and Water Quality in the Refuge, 01-25-05
- TOC Preliminary Recommendations for Further Investigations of the Relationship Between Water Management and Water Quality (Draft), 02-24-05
- Memo from Principals to TOC Reps Regarding 02-24-05 Progress Report, 3/11/05

January 25, 2005 – Special Meeting

- Final Meeting Summary
- Draft Progress Report to the Principals

2004 TOC Meetings

November 30, 2004

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: August 26, 2004 TOC Meeting Minutes
- Attachment 3: Presentation on the April–June 2004 Settlement Agreement Report
- Attachment 4: Settlement Agreement Report, April–June 2004
- Attachment 5: Refuge Stage Data
- Attachment 6: Draft STA-1W Recovery Plan (Presentation)
- Attachment 7: Draft STA-1W Recovery Plan (Report)
- Attachment 8: STA Operations and Performance Update
- Attachment 9: Update on STA-1 East
- Attachment 10: Quarterly Update on Enhanced Water Quality Monitoring and Modeling Program for the Refuge
- Attachment 11: Refuge Enhanced Monitoring Program: Project Implementation Update
- Letter from Principals of the Consent Decree, 11-09-04
- Attachment 12: Deviations from Water Control Plans
- Attachment 13: Phosphorus Controls to the Refuge
- Attachment 14: Ecological Status of the Everglades, May–October 2004
- Attachment 15: Load Reduction Assessment Water Year 2004
- Attachment 16: Potential Refinements to the Load Reduction Methodology

November 8, 2004 – Special Meeting

- Draft Meeting Summary
- Special Data Update: 24 Months of Refuge Phosphorus Data
- Factors Contributing to 2003/4 Exceedance of Interim P Levels in the Refuge
- Analysis of Refuge Interim P Level Excursions September 2003 & August 2004
- Frank Nearhoof's Presentation

August 26, 2004

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: Settlement Agreement Report website
- Attachment 3: Presentation on the Jan–Mar 2004 Settlement Agreement Report
- Attachment 5: Presentation on the Jan–Mar 2004 Quality Assessment Report for Water Quality Monitoring
- Attachment 6: Quality Assessment Reports for Water Quality Monitoring
- Attachment 7: STA-1W & STA-3/4 Updates
- Attachment 8: STA-1E Update
- Attachment 9: Refuge Enhanced Monitoring Program Update
- Attachment 10: FDEP and SFWMD TP Data Comparability
- Attachment 11: Water Conservation Area Regulation Schedules
- Attachment 12: Discussion of Phosphorus Load Compliance Methodology

May 25, 2004

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: Draft minutes from 04/06/04 TOC meeting
- Attachment 3: Oct–Dec 2003 Settlement Agreement Report (Presentation)
- Attachment 4: Factors in the Timing of Settlement Agreement Reports
- Attachment 5: Oct–Dec 2003 QA Report for Water Quality Monitoring (Presentation)
- Attachment 6: The Operational Design Envelope for the STAs
- Attachment 7: Phosphorus load reduction methodology: Consistency with the operational design envelope for the STAs

April 6, 2004

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: Letter from Principals to TOC Representatives, April 2, 2004
- Attachment 3: Recommendations to the TOC by Gary Goforth, March 29, 2004: "District Activities Completed,

Underway or Scheduled that are Related to the TOC Category A Recommendations"

- Attachment 4: STA 3/4 Status Update
- Attachment 6: Refuge Monitoring and Modeling Update
- Attachment 7: Water Quality Monitoring and Modeling for the A.R.M. Loxahatchee National Wildlife Refuge: Brief and Status Update, April 2, 2004*
- Attachment 8: Work Plan: Water Quality Monitoring and Modeling for the A.R.M. Loxahatchee National Wildlife Refuge: 2004-2006, March 29, 2004*

*This work plan was originally posted on the TOC WebBoard on April 2, 2004. It was revised and reposted to the WebBoard on April 19, 2004. While it is *not* a TOC document, the plan is of interest to the TOC and was discussed at the February 3, 2004 and April 6, 2004 TOC meetings.

- Attachment 9/10: EFA Mandated Everglades BMP Regulatory Program (WY03 Compliance Briefing)
- Attachment 11: Public Comment from Charles Lee
- Schematic of STA-1E Contracts (COE)

March 2, 2004

- Final Meeting Summary
- Final Agenda
- Attachment 1: The TOC and the Florida Sunshine Law
- Attachment 3: STAs: Inflow vs. Outflow P Concentrations
- Attachment 4: DEP & District Recommended Priorities: Recommendations to Principals of the Consent Decree (July 24, 2003)
- Attachment 5: State Recommendations to the Technical Oversight Committee For Consideration at the February 3, 2004 Meeting (DRAFT 1/28/04)
- Attachment 6: Letter to Principals: TOC Progress on Recommendations Concerning the Refuge
- Attachment 7: Item Presented to the TOC as a Public Comment by Charles Lee, Audubon of Florida
- Attachment 8: Refuge Monitoring & Modeling: Progress Since Feb. 3 TOC
- Attachment 9: Recommendations Regarding the New Proposed Monitoring and Modeling of Refuge, Office of Modeling, SFWMD
- FDEP Comments on Federal Everglades Team Work Plan: Water Quality Monitoring and Modeling for the A.R.M. Loxahatchee National Wildlife Refuge

February 3, 2004

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2a: Jul-Sep 2003 Settlement Agreement Report (Presentation)
- Attachment 2b: Jul-Sep 2003 QA Report for Water Quality Monitoring (Presentation)
- Attachment 3: History of STA-1E
- Attachment 4: STA-1E (PSTA/SAV): Advanced Treatment Technology Implementation, January 2004
- Attachment 5: State Recommendations to the Technical Oversight Committee For Consideration at the February 3, 2004 Meeting (DRAFT 1/28/04)
- Attachment 6: Matrix Summary of State's Response to TOC Recommendations
- Schematic of STA-1 East Contracts
- STA-1E Partnering Schedule, January 2004
- Work Plan: Water Quality Monitoring and Modeling for the A.R.M. Loxahatchee National Wildlife Refuge: 2004-2006 (*DRAFT*)

*This work plan was originally posted on the TOC WebBoard on February 2, 2004, and will likely be modified in the future. While it is not a TOC document, the plan is of interest to the TOC and was discussed at the TOC meeting on February 3, 2004.

January 8, 2004 – Special Meeting

- Final Meeting Summary
 - Attachment 1: Final Agenda
 - Attachment 2: STA-3/4 Enhancements Schedule
 - Attachment 3: STA Operations and Performance
 - Attachment 4: Discussion of Recommendations on "Enhancing monitoring of the Refuge"
 - Principals Response to July 24, 2003 Note from TOC Representatives
-

October 30, 2003

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: June 3, 2003 TOC Meeting Minutes
- Attachment 3: July 24, 2003 TOC Meeting Minutes
- Attachment 7: Phosphorus in Refuge Canals
- Attachment 8: Total-Flow Automatic Sampler for Pumping Station S-5A
- Attachment 10: Update on C111D Water Quality Monitoring
- Chapter 2: Water Conservation Area Canal Sediment Phosphorus Studies – Inventory, Release and Transport
- Chapter 2: Attachment 2A – Contribution of Internal Phosphorus Loads in South Florida Water Conservation Area Canal Sediments
- Chapter 2: Attachments 2B (Transect Locations) & 2C (Methods)

August 12, 2003

- Final Meeting Summary
- Attachment 1: Final Agenda
- Attachment 2: Settlement Agreement Report: January–March 2003
- Attachment 3: QA Report for Water Quality Monitoring: January–March 2003
- Attachment 4: STA-1 East EFA/NPDES Permit Application Update
- Attachment 7: WRAC Issues Committee Comments on the Long-term Plan
- ERR XIII Charts (DRAFT)
- Technology Review of Periphyton Stormwater Treatment
As of December 1, 2003, this article has been revised from the original draft version of August 8, 2003. All changes pertain to the S332B basin.
- DEP Everglades Program – Phosphorus Round Robin (ERR) [[Link to website](#)]

July 24, 2003 – Special Meeting

- Final Meeting Summary
- Attachment A: Final Agenda
- Attachment B: Factors Contributing to Exceedances of Interim P Levels in the Refuge
- Attachment C: Draft Combined Letter to Principals
- Attachment D: Update on the Performance of STA-1W
- Attachment E: COE STA-1E PSTA Demonstration Project
- Attachment F: Final Consensus Letter to Principals
- Compliance of Marsh Phosphorus Concentrations in the A.R.M. Loxahatchee National Wildlife Refuge with Interim Levels Required under the Consent Decree

June 3, 2003

- Final Meeting Summary
- Final Agenda
- Attachment A: February 11, 2003 Final Meeting Minutes
- Attachment B: Settlement Agreement Report: October–December 2002
- Attachment C: Settlement Agreement Report: First Quarter 2003 Data for A.R.M. Loxahatchee National Wildlife Refuge
- Attachment D: QA Report for Water Quality Monitoring: Oct–Dec 2002
- Attachment E: Appendices A & B of the Settlement Agreement
- Attachment F: Draft Letter to Principals from TOC Reps of SFWMD
- Attachment G: Draft Letter to Principals from TOC Reps of ENP, LNWR & COE
- Attachment H: Preliminary Analysis of Factors Contributing to Exceedances of Interim P Levels in A.R.M. Loxahatchee National Wildlife Refuge
- Attachment I: Conceptual Plan for Achieving Long-Term Everglades Water Quality Goals
- Attachment J: Excerpt from the Conceptual Plan: "Pre-2006 Strategies & Estimated Performance of Pre-2006 Projects"
- Attachment K: Request for Modification of Water Quality Monitoring Requirements for FDEP Permit Number 06, 502590709 (Non-ECP Permit)
- Attachment L: SFWMD C-111 Project Monitoring Plan, June 1, 2003
- Attachment M: Total-Flow Automatic Sampler for Pumping Station S-5A
- Attachment N: Excerpt from the Water Resources Development Act of 1996: "Sec. 315. Central and Southern Florida, Canal 51"

February 11, 2003

- Meeting Minutes & Final Agenda
 - Attachment A: November 7, 2002 Final Meeting Minutes
 - Attachment B: TOC Website Draft for Review and Comment (*Large file: 4.01 MB)
 - Attachment C: Jul–Sep 2002 Water Quality Conditions Reports (*Large file: 3.78 MB)
 - Attachments D and E: The Quality Assessment Report for Water Quality Monitoring, July–September 2002 (*Large file: 3.49 MB)
 - Attachment F: Results from Various Split Studies and Round Robin Studies, March–August 2002
 - Attachment G: A Comparison of DEP versus District data.
 - Attachment H: IOP Monitoring Plan for the New FDEP EO of January 29, 2003
 - Attachment I: Basis for Revised Total Phosphorus Analysis Data
 - Attachment J: Composition of Stainless Steel Follow-up Memo
 - Attachment K: Memo Regarding Network Optimization and Coastal Monitoring
-

2002 TOC Meetings

November 7, 2002

- Meeting Minutes & Final Agenda
- Attachment C: Settlement Agreement: April-June 2002 Report
- Attachment D: A.R.M. Loxahatchee National Wildlife Refuge Map & P Data
- Attachment E: QA Report for Water Quality Monitoring: April–June 2002
- Attachment F: Generalized Operational Modifications Associated With Water Conservation Area 3A and the South Dade Conveyance System (*Large file: 4.81 MB)
- Attachment I: Test for Evaluating Performance of Stormwater Treatment Areas
- Attachment J: Network Optimization: Introduction to the Process and Current Projects
- Attachment K: Map Series: Monitoring Projects in the South Florida Coastal Water Quality Monitoring Network (*Large file: 2.53 MB)
- Attachment P: STA-5 Status

August 1, 2002

- Meeting Minutes & Final Agenda

April 23, 2002

- Meeting Minutes & Final Agenda

January 29, 2002

- Meeting Minutes & Final Agenda