

SETTLEMENT AGREEMENT REPORT

October – December 2012

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Technical Oversight Committee February 19, 2013

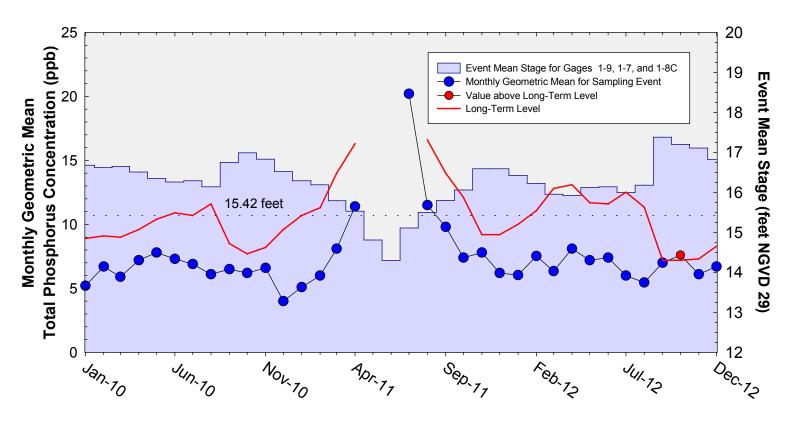


SUMMARY

Month			netric Mean Long-ter entration (ppb) (pp				n Stage NGVD 29)	Number of Samples		
Arthur R. Marshall Loxahatchee National Wildlife Refuge										
Oct 2012		7.6		7.2		17.20		14		
Nov 2012			6.1	7.3		17.11		14		
Dec 20	Dec 2012		6.7	5.7 8.3		16.82		14		
Darind		I Flow Flow-weigh TP Concentra		nted Mean Long-tern			Percent of Sampling Events Greater than 10 ppb			
						D)	Guideline	е	Observed	
Everglades National Park – Shark River Slough										
Oct 2012										
Nov 2012		The flow data for this table are pending at the time of initial publication.								
Dec 2012										
Everglades National Park – Taylor Slough and Coastal Basins										
Oct 2012	28	33.6	5.3	3	11.	0	53.1		0.0	
Nov 2012	27	73.0	5.1		11.	0	53.1		0.0	
Dec 2012	27	79.6	5.1		11.	0	53.1		0.0	



A.R.M Loxahatchee National Wildlife RefugeMonthly Total Phosphorus Geometric Mean Concentrations

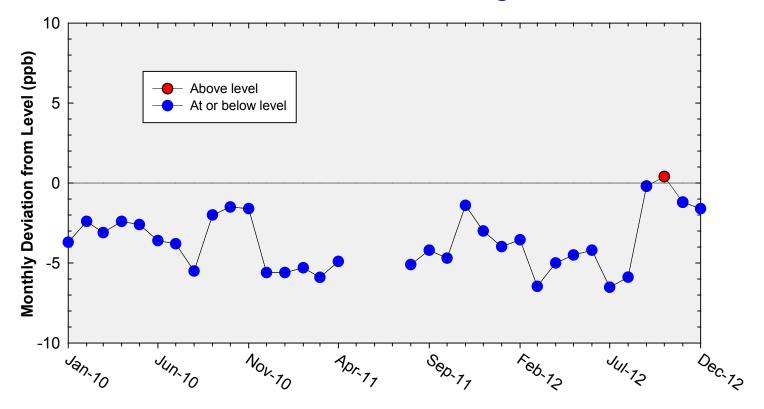


Note: Long-term level was not applicable for May 2011, June 2011, and July 2011 (sampling day average stages < 15.42 ft).



A.R.M Loxahatchee National Wildlife Refuge

Deviation of monthly geometric mean total phosphorus concentrations with calculated long-term levels



Note: Long-term level was not applicable for May 2011, June 2011, and July 2011 (sampling day average stages < 15.42 ft).



Refuge TP Compliance TrackingFor October 2012 – February 2013

Month	Geometric Mean TP Concentration (ppb)	Long-Term Level (ppb) Effective 12/31/2006	Average Stage (feet NGVD 29)	Number of Samples
Oct-2012	7.6*	7.2	17.20	14
Nov-2012	6.1	7.3	17.11	14
Dec-2012	6.7	8.3	16.82	14
Jan-2013	7.2	9.1	16.62	14
Feb-2013	6.7	10.3	16.36	13

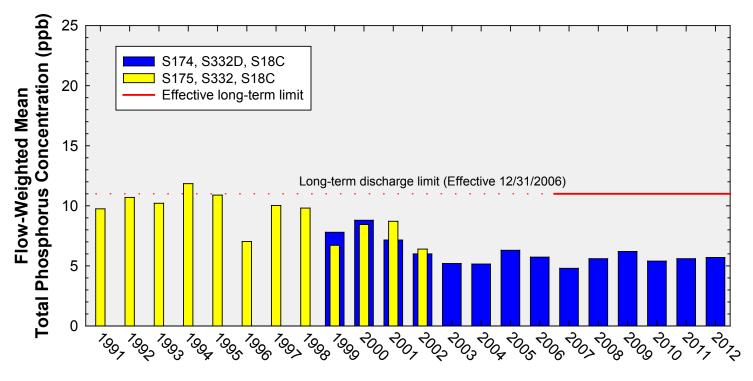
Note: January and February 2013 values are preliminary.



^{*} October 2012 14-station geometric mean was higher than the long-term level.

Annual Flow-Weighted Mean Concentrations

Inflows to the ENP through Taylor Slough and Coastal Basins



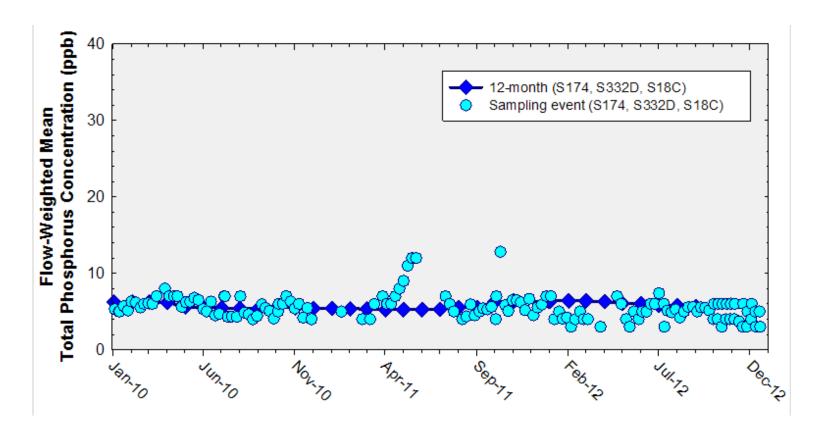
Water Year (October 1 - September 30)

The 12-month FWMC at the end of each water year compared to the 11 ppb long-term TP limit



Flow-Weighted Mean Concentrations

Inflows to the ENP through Taylor Slough and Coastal Basins



The 12-month FWMC at the end of each month and the composite TP concentration for each sampling event

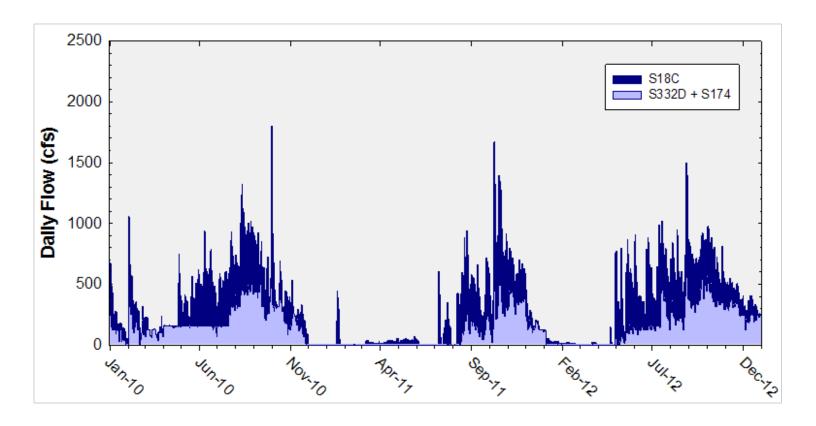


Taylor Slough and the Coastal Basins TP Concentration Compliance Tracking for October 2012 – December 2012

12-Month Period	Total Flow (kac-ft)	Flow-Weighted Mean TP Concentration	Long-Term Limit (ppb) Effective	Percent of Sampling Events Greater than 10 ppb	
	((ppb)	12/31/2006	Guideline	Observed
Nov 2011 - Oct 2012	283.6	5.3	11.0	53.1	0.0
Dec 2011 - Nov 2012	273.0	5.1	11.0	53.1	0.0
Jan 2012 - Dec 2012	279.6	5.1	11.0	53.1	0.0



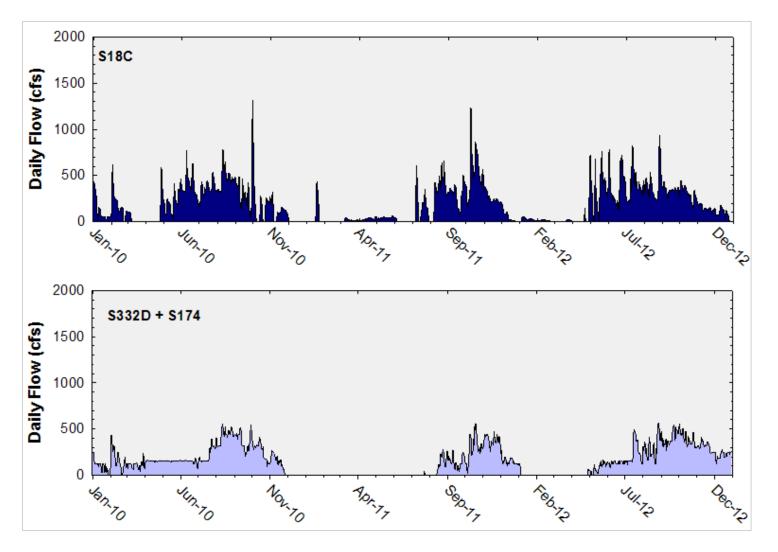
Taylor Slough and Coastal Basins Daily Flows



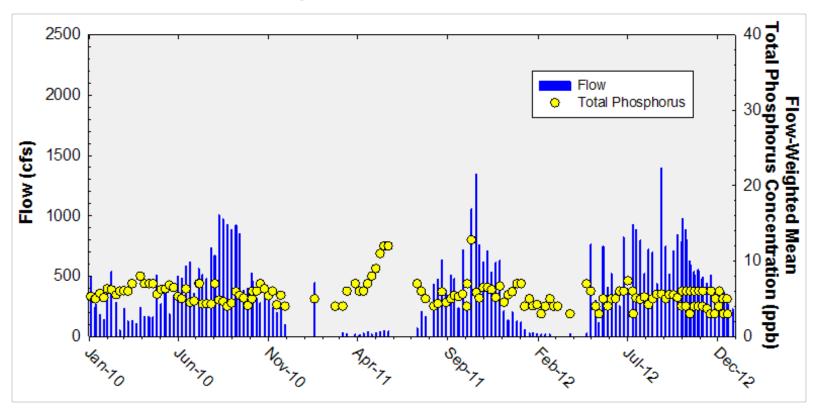
Daily flows into Everglades National Park through Taylor Slough and Coastal Basins



Daily Flows at individual Taylor Slough and Coastal Basins structures into the ENP



Taylor Slough and Coastal Basins Sampling Event Flow and FWMC



Flow at Taylor Slough and Coastal Basins structures and the corresponding TP FWMCs for individual sampling events

