



Second, Third, and Fourth Quarters of Calendar Year 2025 and First Quarter of 2026 Settlement Agreement Report

April 2025 – March 2026

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Office of Water Quality

Technical Oversight Committee

September 15, 2026



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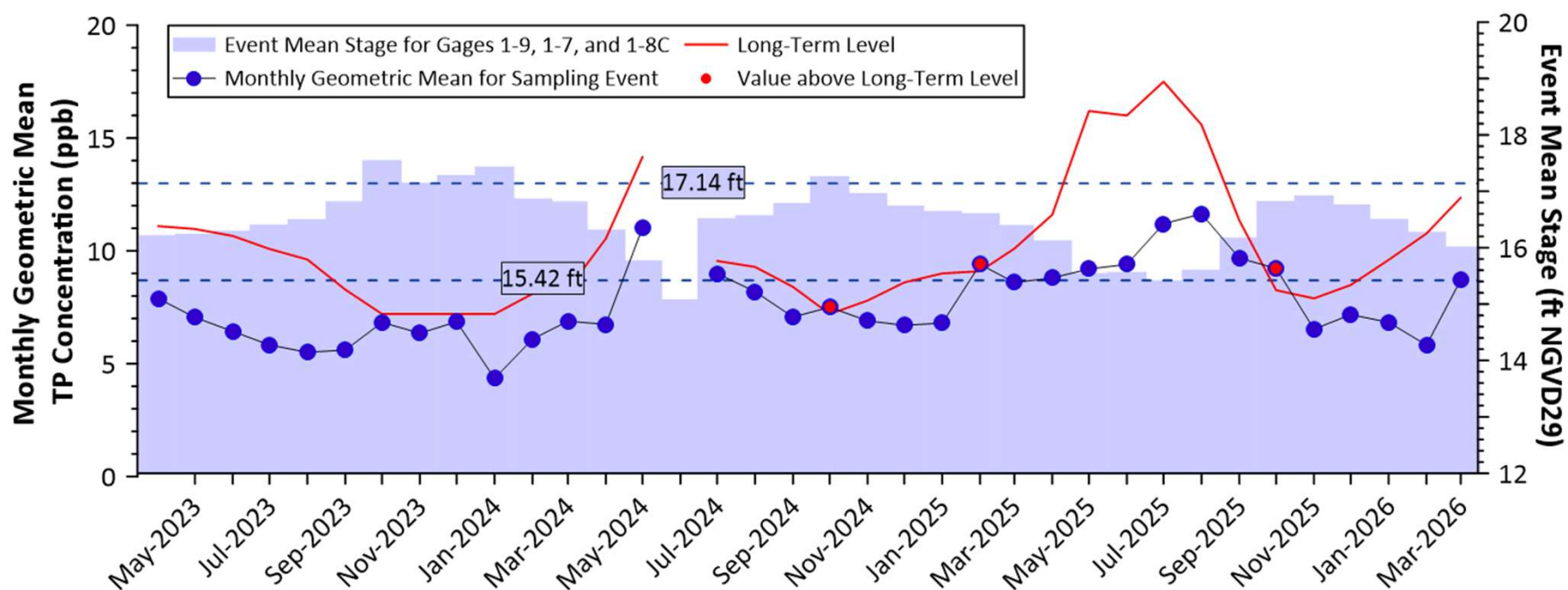
Refuge TP Compliance Tracking with Outlook

Month	Average Stage (feet NGVD29)	Long-Term Level (ppb) Effective 12/31/2006	Geometric Mean TP Concentration (ppb)	Number of Samples
Compliance Tracking for the 2nd, 3rd, and 4th Quarters of 2025 and the 1st Quarter of 2026				
Apr-2025	16.13	11.6	8.8	11
May-2025	15.55	16.2	9.2	4
Jun-2025	15.57	16.0	9.4	4
Jul-2025	15.42	17.5	11.2	4
Aug-2025	15.61	15.6	11.6	5
Sep-2025	16.18	11.3	9.7	9
Oct-2025	16.83	8.3	9.2	14
Nov-2025	16.93	7.9	6.5	14
Dec-2025	16.77	8.5	7.2	14
Jan-2026	16.51	9.6	6.8	14
Feb-2026	16.28	10.8	5.8	12
Mar-2026	16.02	12.4	8.7	11
Preliminary Data Outlook				
Apr-2026	16.06	12.1	10.5	11
May-2026	16.07	12.0	8.7	9
Jun-2026	16.13	11.6	9.6	12

Note: Fewer than 14 samples indicate either that samples could not be collected due to dry conditions or that the data are being qualified because the samples were not representative of the water column at the sampling sites.

A.R.M. Loxahatchee National Wildlife Refuge

Monthly Total Phosphorus Geometric Mean Concentrations



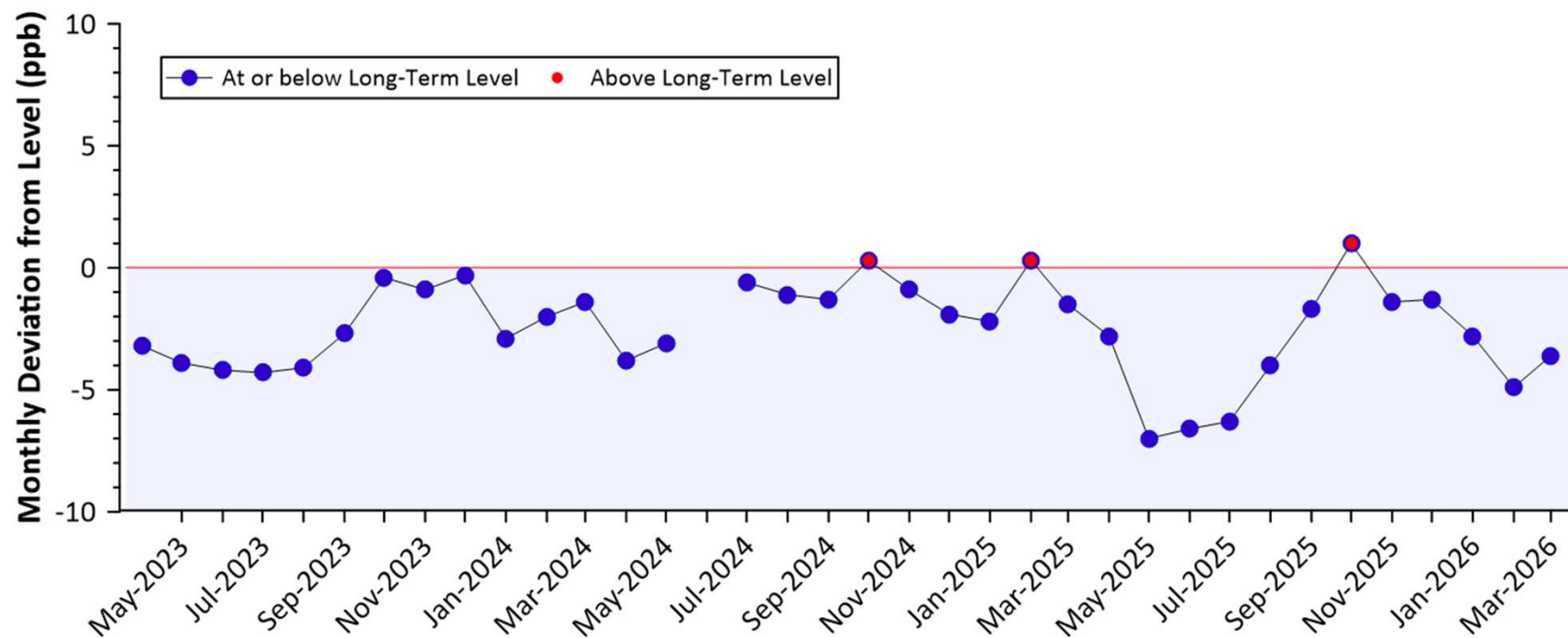
36-Month Average TP Geometric Mean = 7.7 ppb

36-Month Average TP Long-term Level is = 10.2 ppb

Note: There was no TP data for June 2024 because of the dry conditions.

A.R.M. Loxahatchee National Wildlife Refuge

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



36-Month Average TP geometric mean = 2.5 ppb below the Long-Term Level.

Shark River Slough

TP Concentration Compliance Tracking and Outlook

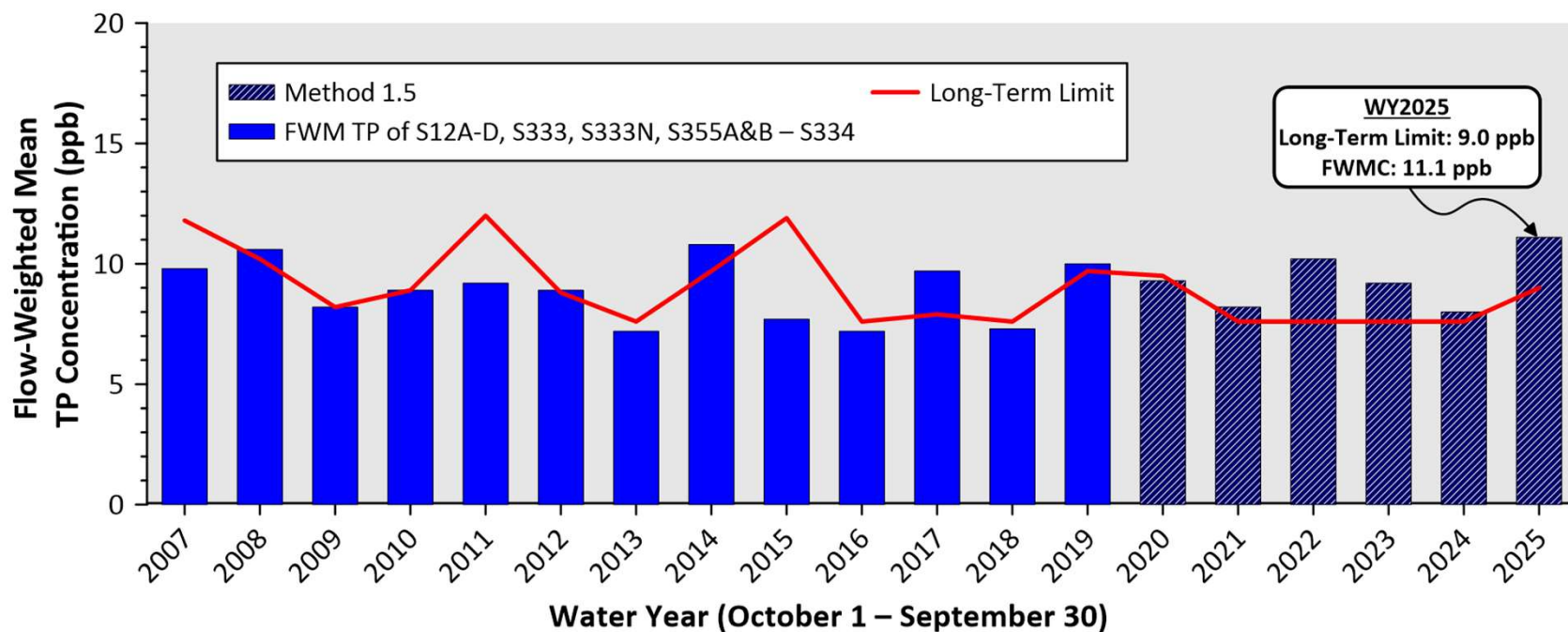
Provisional Data and Results Beginning with October 2025

12-Month Period	Total Flow (kac-ft)	Long-Term Limit (ppb)	12-Month TP FWMC (ppb)	Percent of Sampling Events Greater than 10 ppb	
				Guideline (%)	Observed (%)
May 2024 - Apr 2025	1,212.6	7.6	8.8	40.1	36.0
Jun 2024 - May 2025	1,171.3	7.6	8.7	40.1	36.0
Jul 2024 - Jun 2025	1,108.5	7.6	8.6	40.1	36.0
Aug 2024 - Jul 2025	980.1	8.0	9.2	41.9	48.0
Sep 2024 - Aug 2025	873.0	8.5	10.1	44.5	56.0
Oct 2024 - Sep 2025	780.8	9.0	11.1	46.9	64.0
Nov 2024 - Oct 2025	643.1	9.7	12.6	50.8	72.0
Dec 2024 - Nov 2025	542.5	10.3	13.9	53.9	76.0
Jan 2025 - Dec 2025	486.5	10.6	15.1	55.7	80.8
Feb 2025 - Jan 2026	437.8	10.9	17.3	57.3	92.0
Mar 2025 - Feb 2026	397.2	11.1	17.6	58.7	92.3
Apr 2025 - Mar 2026	368.2	11.3	17.3	59.7	92.3
Preliminary Data Outlook					
May 2025 - Apr 2026	360.5	11.4	17.3	60.0	92.3
Jun 2025 - May 2026	355.6	11.4	17.2	60.2	92.3
Jul 2025 - Jun 2026	349.0	11.4	16.3	60.4	92.6

FWMC computed as $S12A + S12B + S12C + S12D + [S333 + S333N + S355A + S355B + \text{minimum of } (S356, S335) - S334]$ using all flow and TP grabs on bi-weekly compliance sampling dates.

S334 flow was not excluded from the flow for long-term limit calculations.

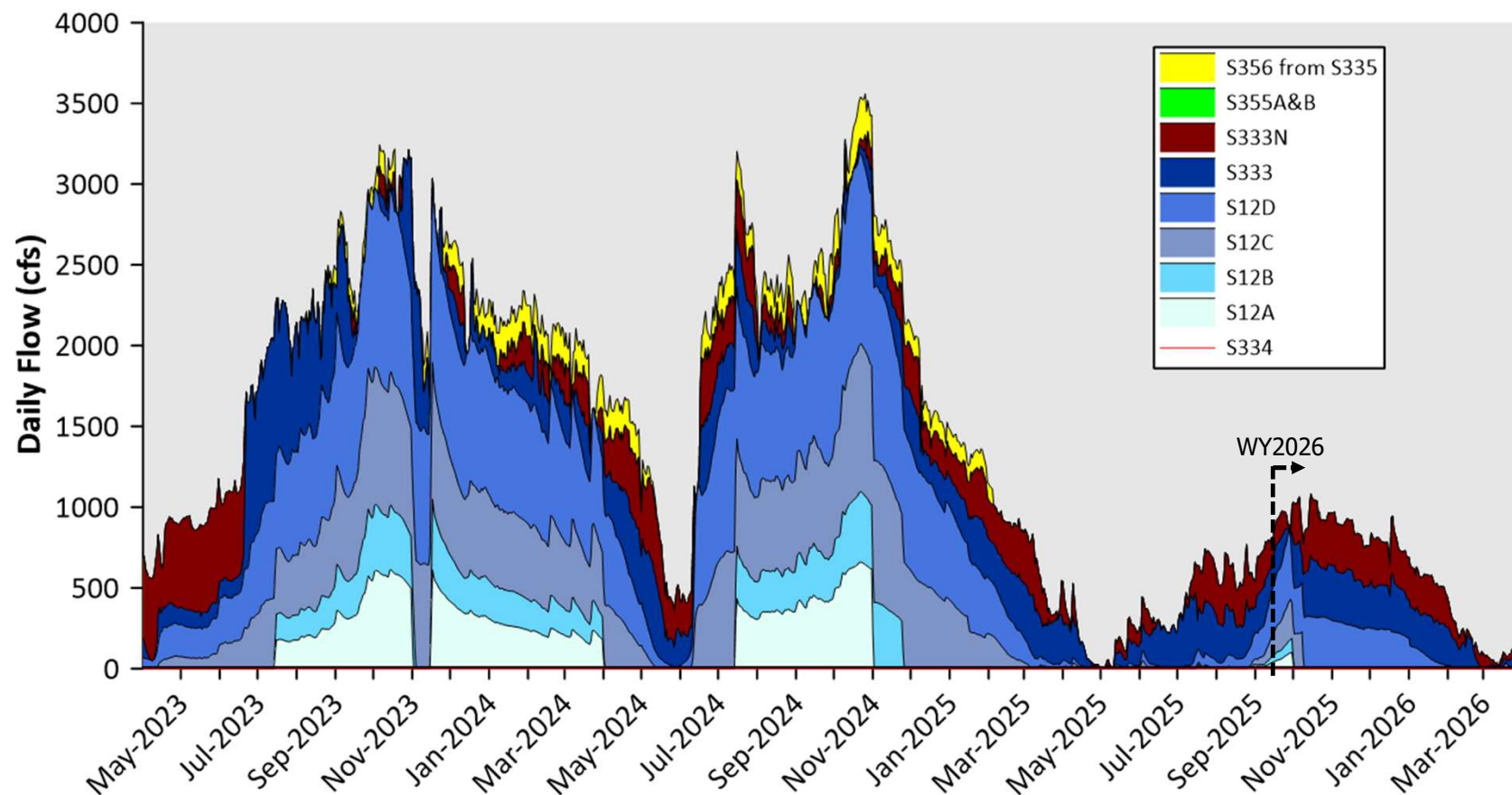
Annual Flow-Weighted Mean Concentrations of Inflows to ENP through Shark River Slough



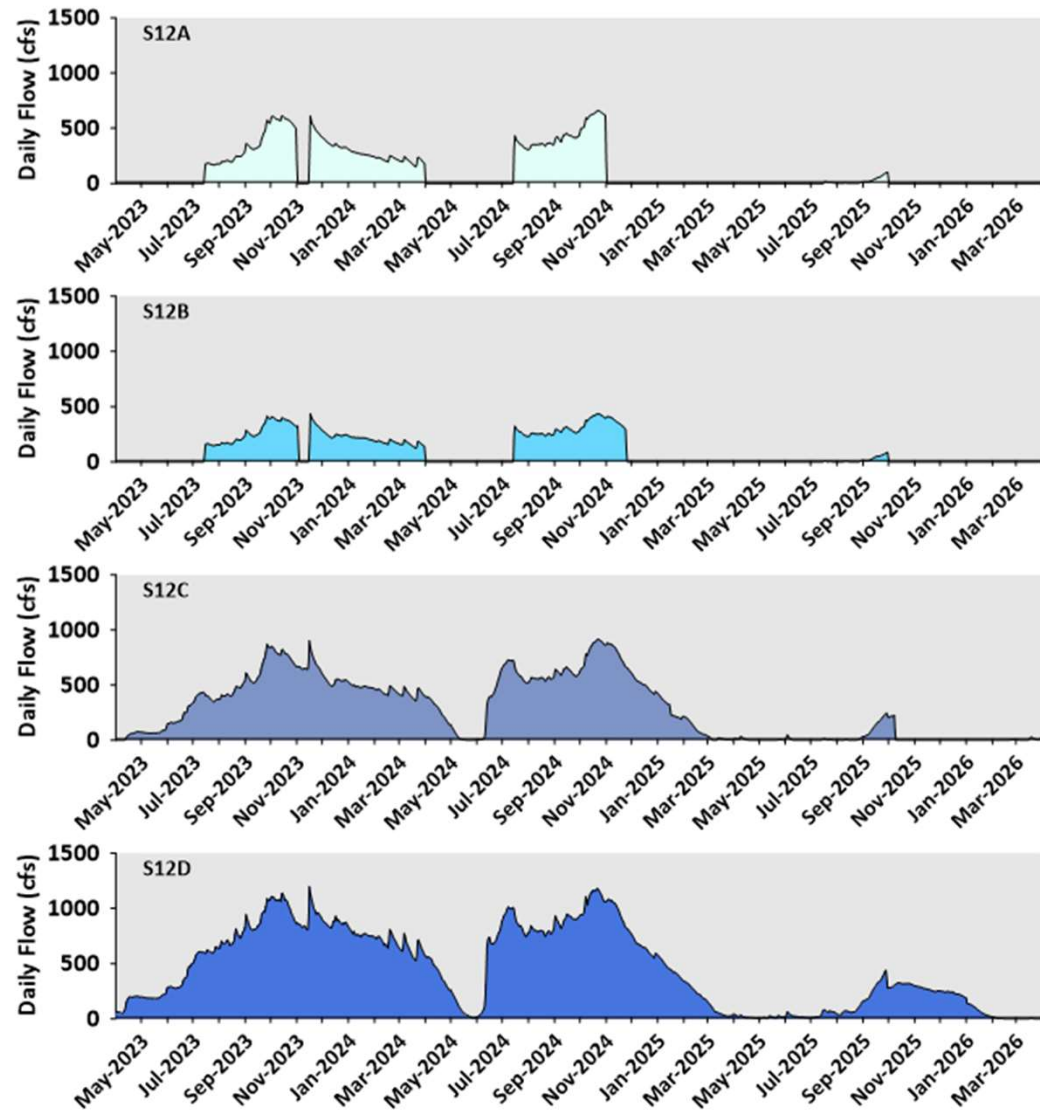
12-Month FWMC at the end of each water year compared to the TP long – term limit

Shark River Slough Structure Daily Flows

WY2026 Flow Data for S12s are Provisional.

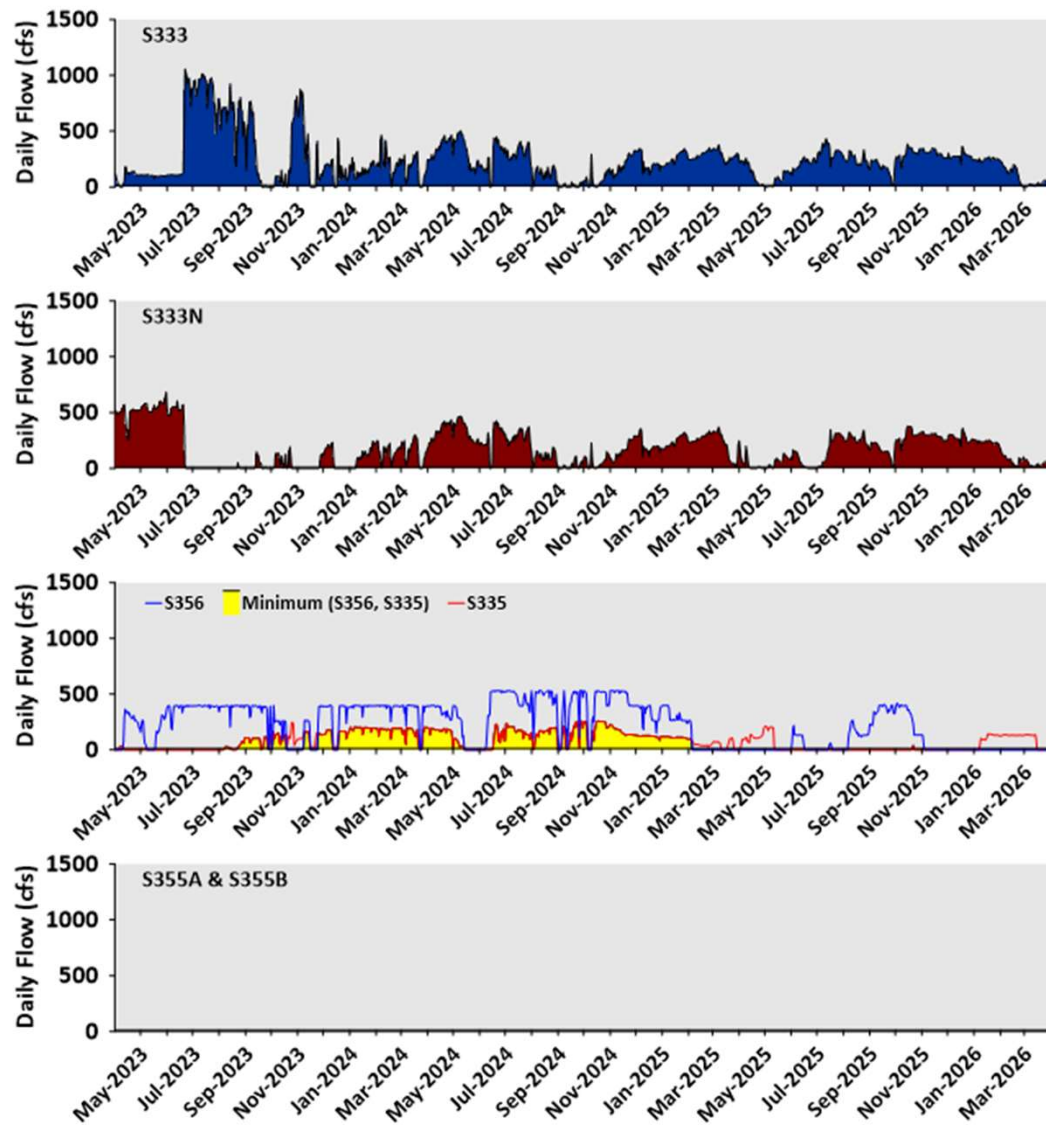


Daily Flows at S12 Structures to Shark River Slough

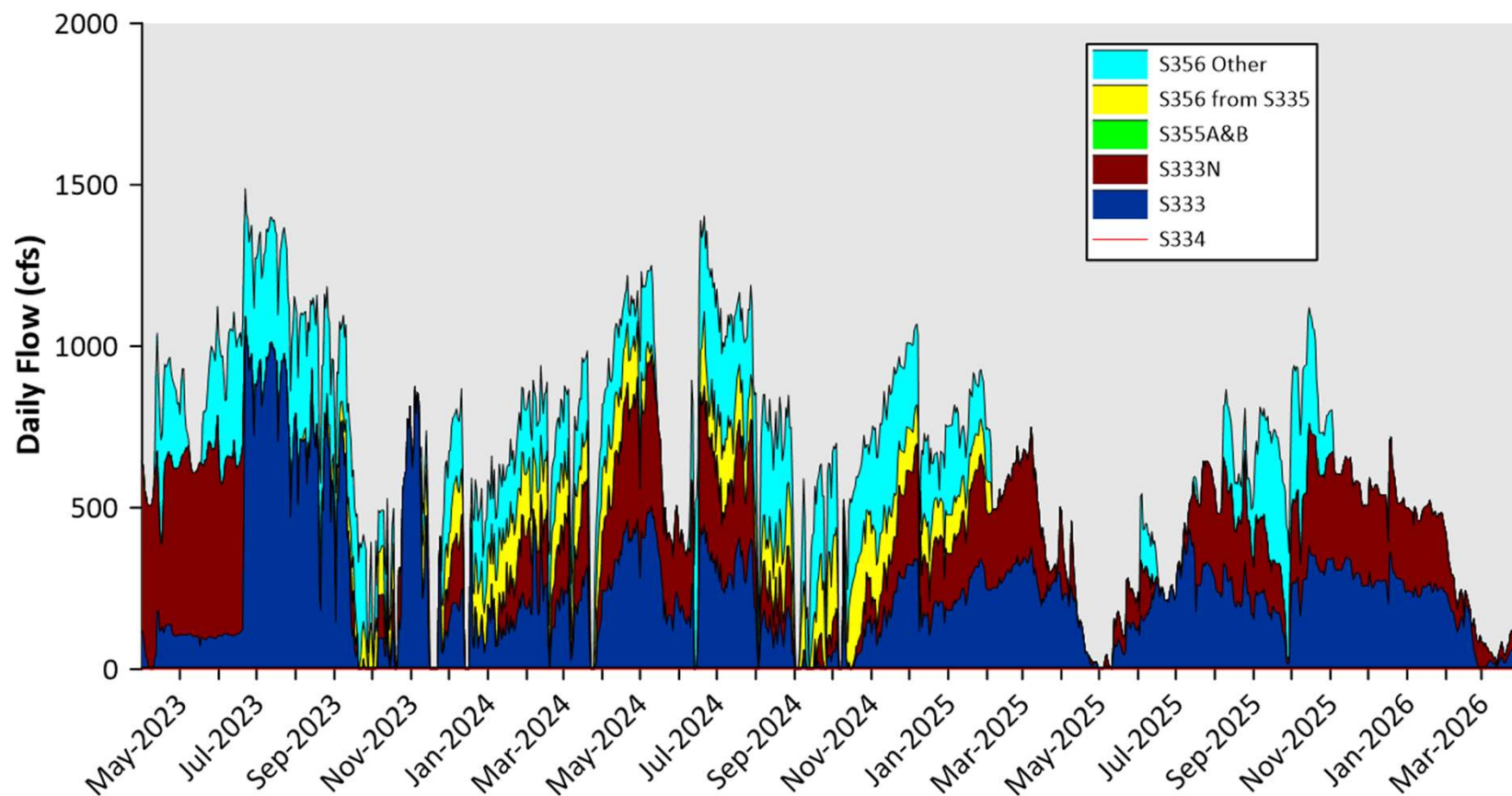


Daily Flows at Individual Inflow Structures to Shark River Slough

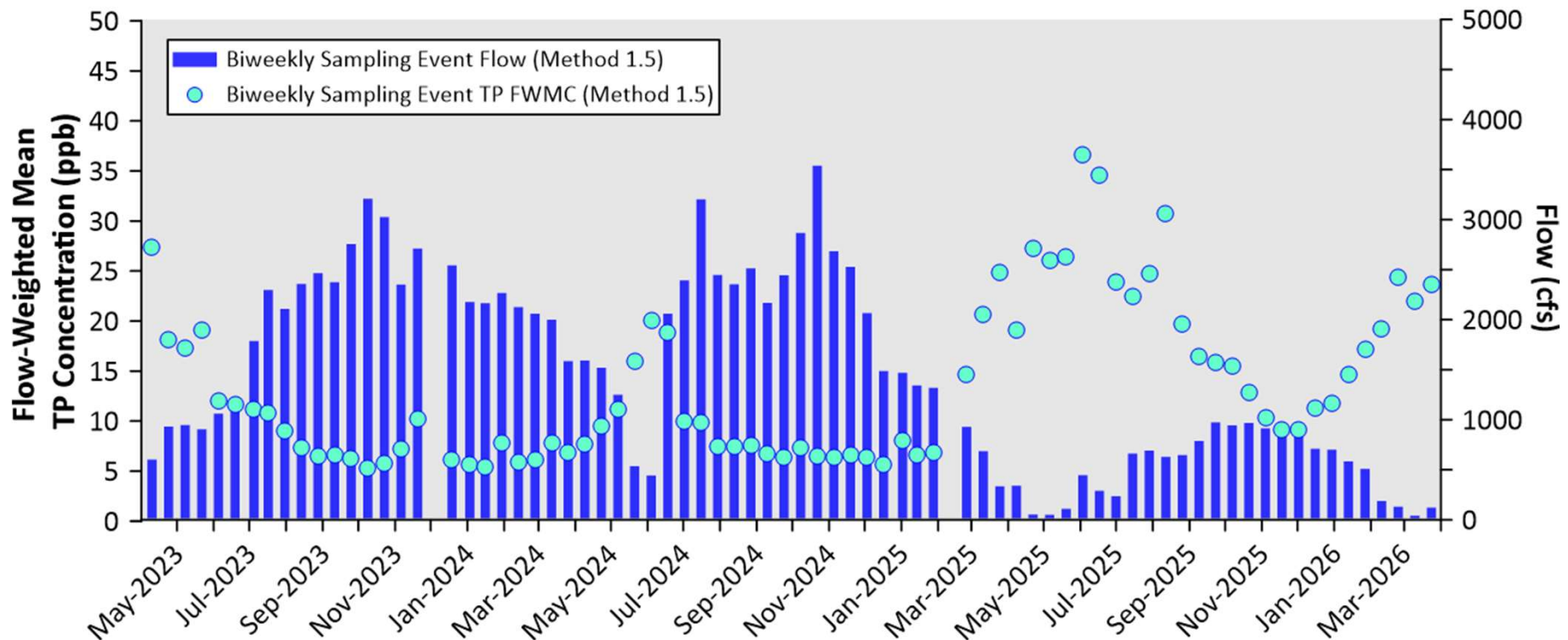
(Note: There was no flow at S355A or S355B during the period)



Daily Flows Into Shark River Slough through S333 & S333N, S355A&B, and S356 and Out through S334



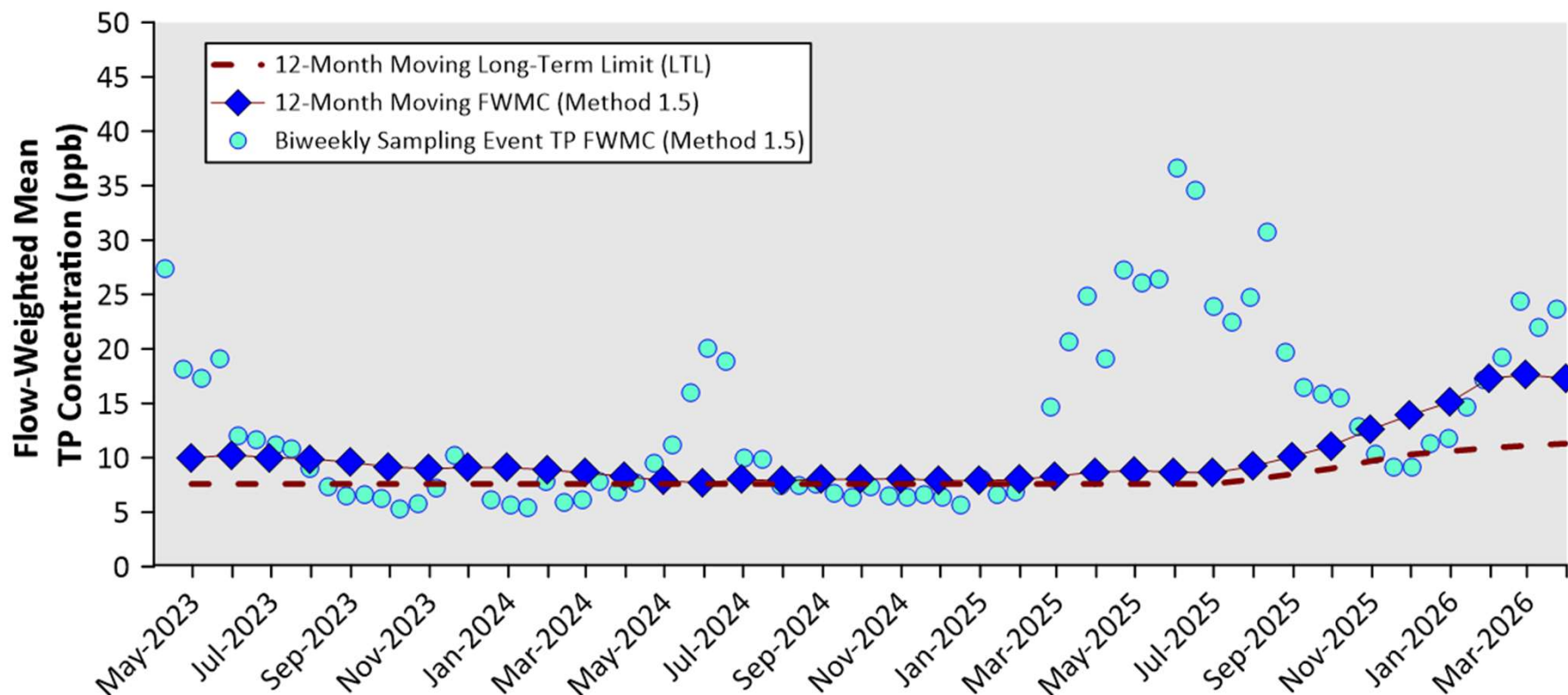
Shark River Slough Sampling Event Flow and FWMC



**Flow to Shark River Slough and the corresponding TP FWMCs
for individual sampling events**

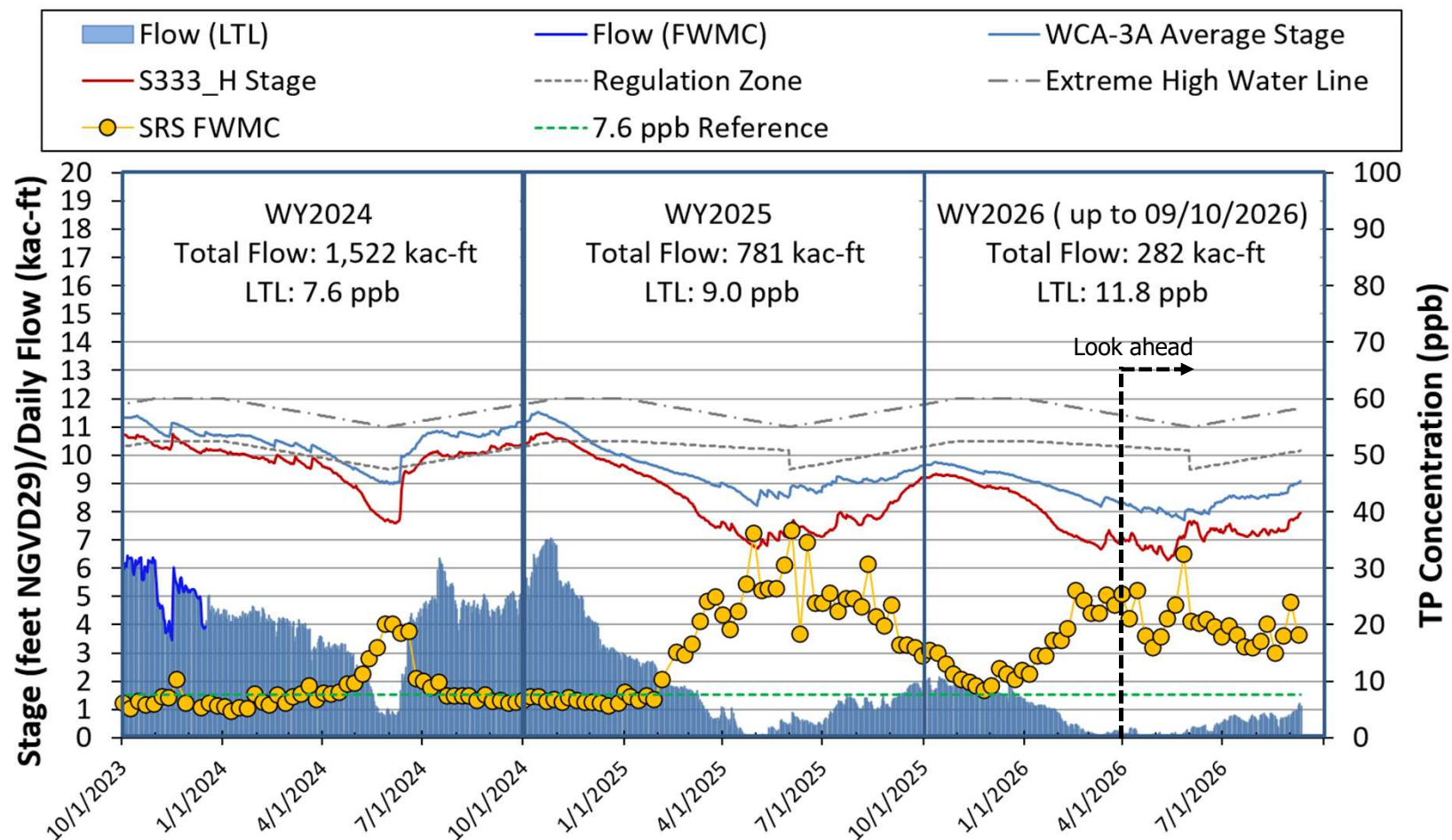
Shark River Slough

12-month Moving Flow-Weighted Mean TP and Long-Term Limit



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

WCA3A Stage, Shark River Slough Inflow, and TP FWMC



*** WY2026 results are Provisional**

Taylor Slough and Coastal Basins

TP Concentration Compliance Tracking

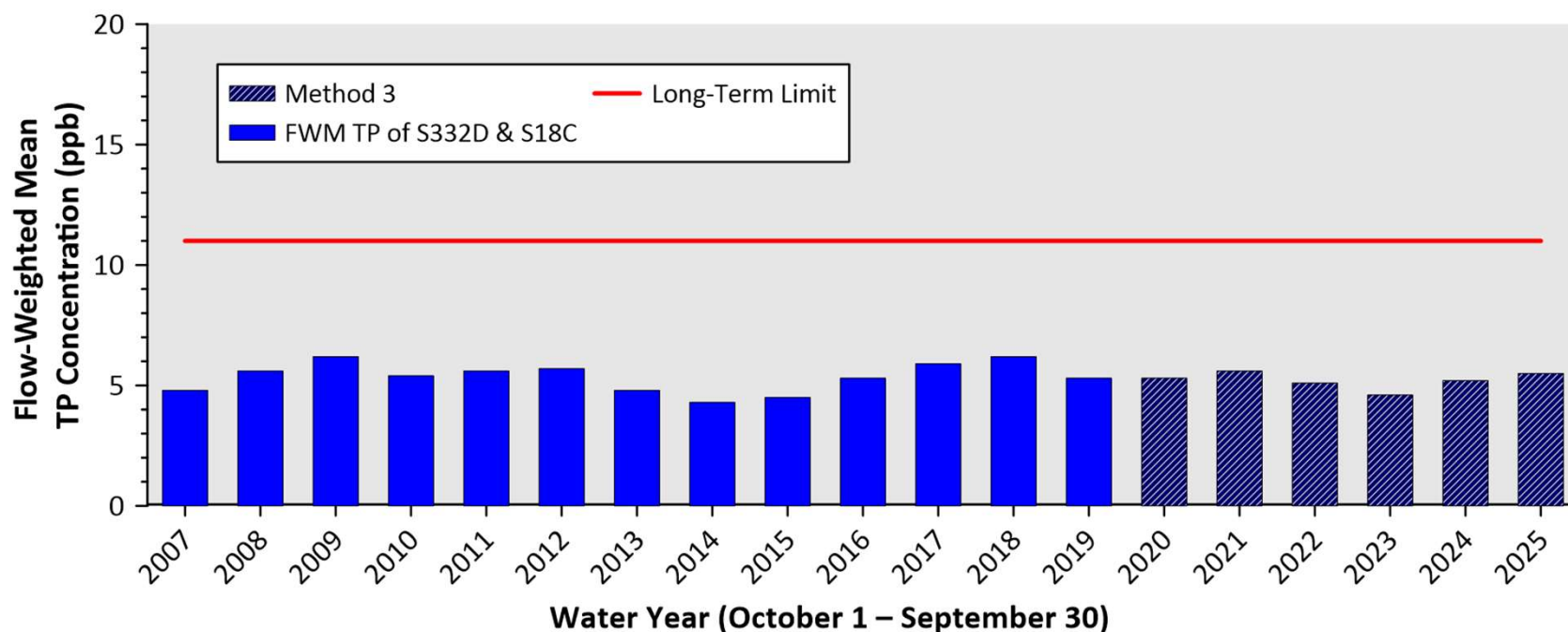
Provisional Data and Results Beginning with October 2025

12-Month Period	Total Flow (kac-ft)	Flow-Weighted Mean TP Concentration in ppb LTL = 11.0 ppb Effective 12/31/2006	Observed Percent of Sampling Events Greater than 10 ppb Guideline = 53.1%
May 2024 - Apr 2025	381.4	5.4	0.0
Jun 2024 - May 2025	371.3	5.4	0.0
Jul 2024 - Jun 2025	336.2	5.4	0.0
Aug 2024 - Jul 2025	303.6	5.4	0.0
Sep 2024 - Aug 2025	285.6	5.4	0.0
Oct 2024 - Sep 2025	274.2	5.5	0.0
Nov 2024 - Oct 2025	249.8	5.5	0.0
Dec 2024 - Nov 2025	238.7	5.4	0.0
Jan 2025 - Dec 2025	217.6	5.5	0.0
Feb 2025 - Jan 2026	189.8	5.5	0.0
Mar 2025 - Feb 2026	173.2	5.5	0.0
Apr 2025 - Mar 2026	174.5	5.9	6.5
Preliminary Data Outlook			
May 2025 - Apr 2026	175.1	5.9	12.9
Jun 2025 - May 2026	171.3	5.8	13.3

FWMC is computed as $[(S332D-S332DX1-S328)+S328+G737+S18C]$ using all flow and TP grabs on weekly sampling.

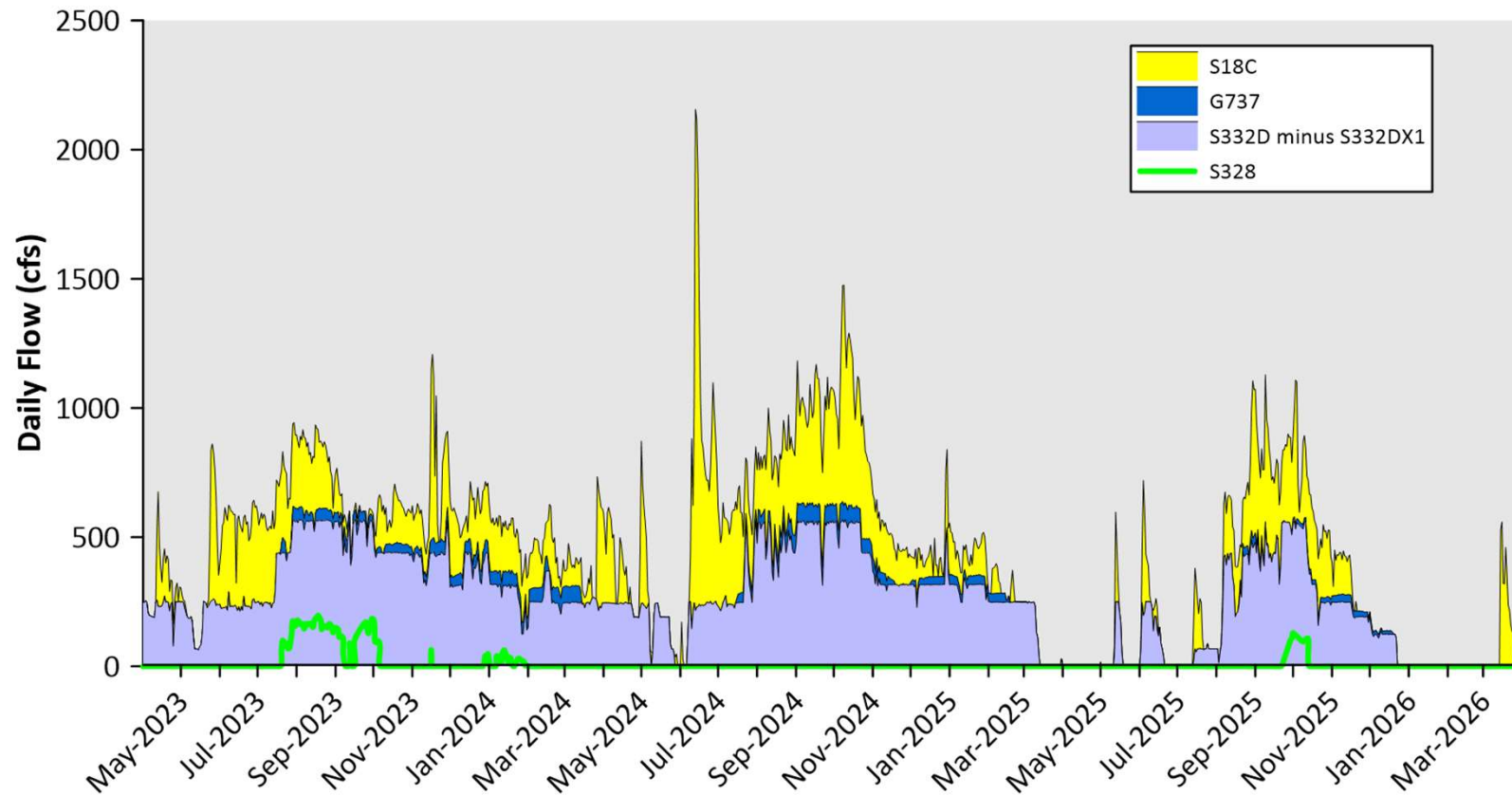
Total flow is $[(S332D-S332DX1)+G737+S18C]$

Annual Flow-Weighted Mean Concentrations of Inflows to the ENP through Taylor Slough and Coastal Basins

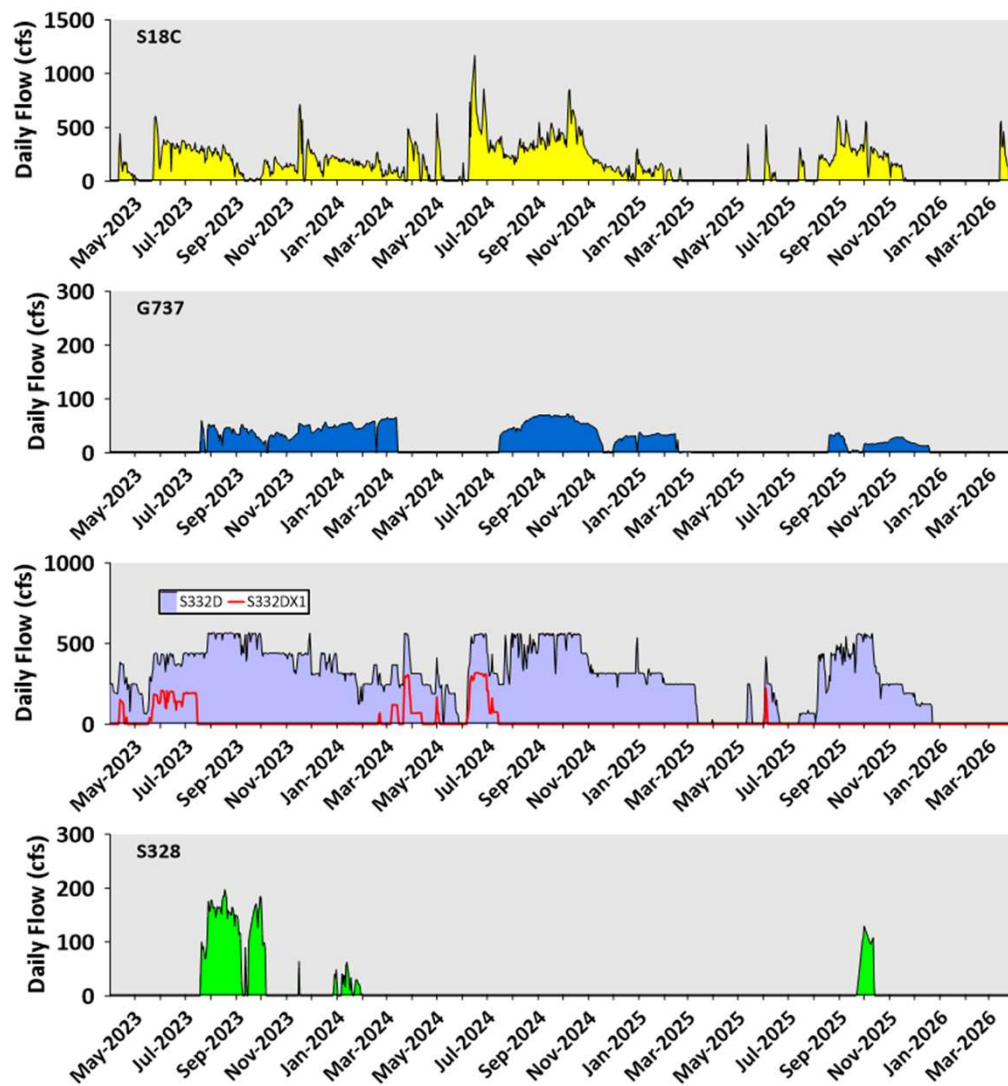


The 12-month FWMC at the end of each water year compared to the 11 ppb long-term TP limit

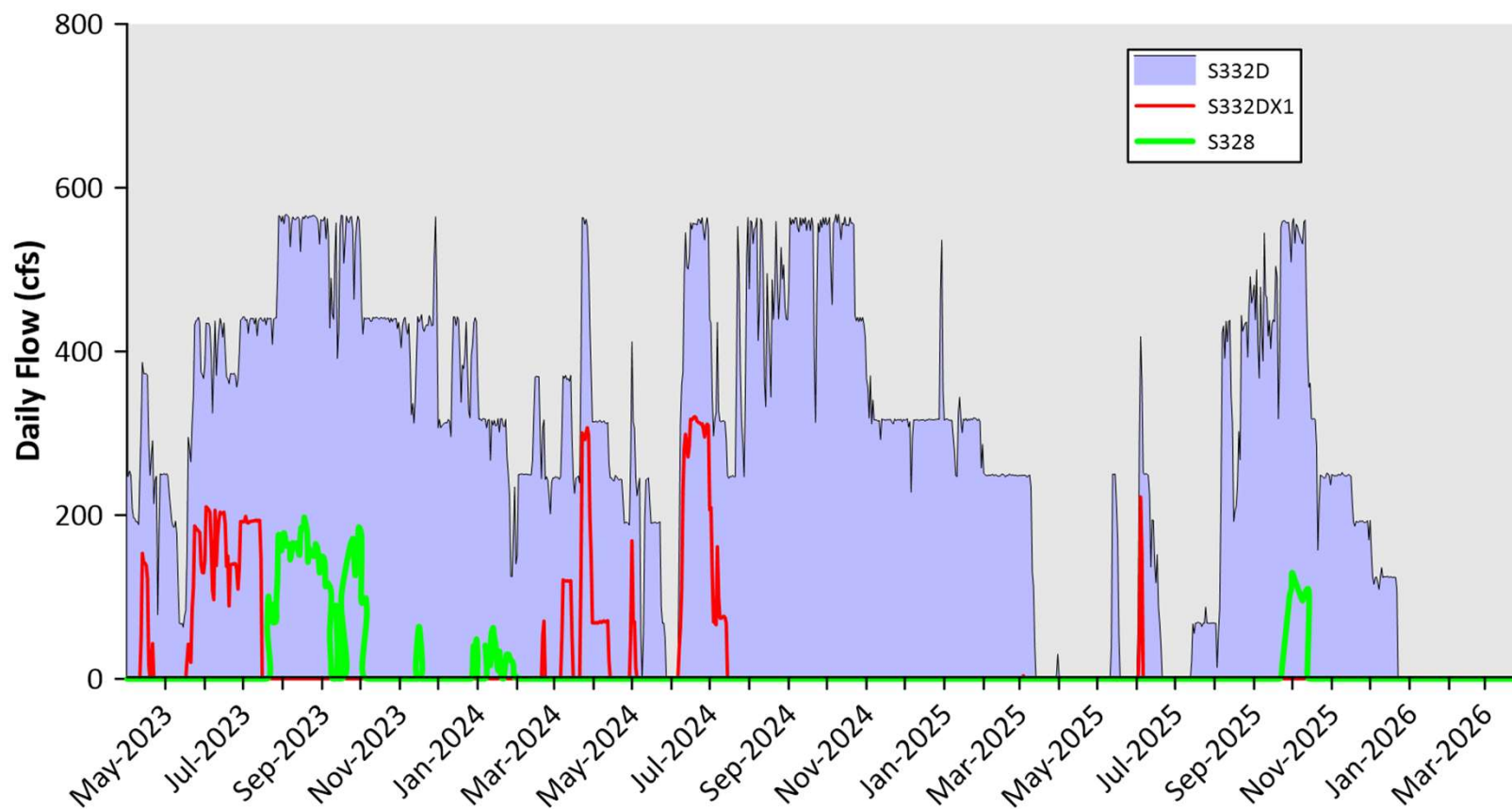
Daily Flows at Taylor Slough and Coastal Basins Structures into ENP



Daily Flows at Individual Taylor Slough and Coastal Basins Structures

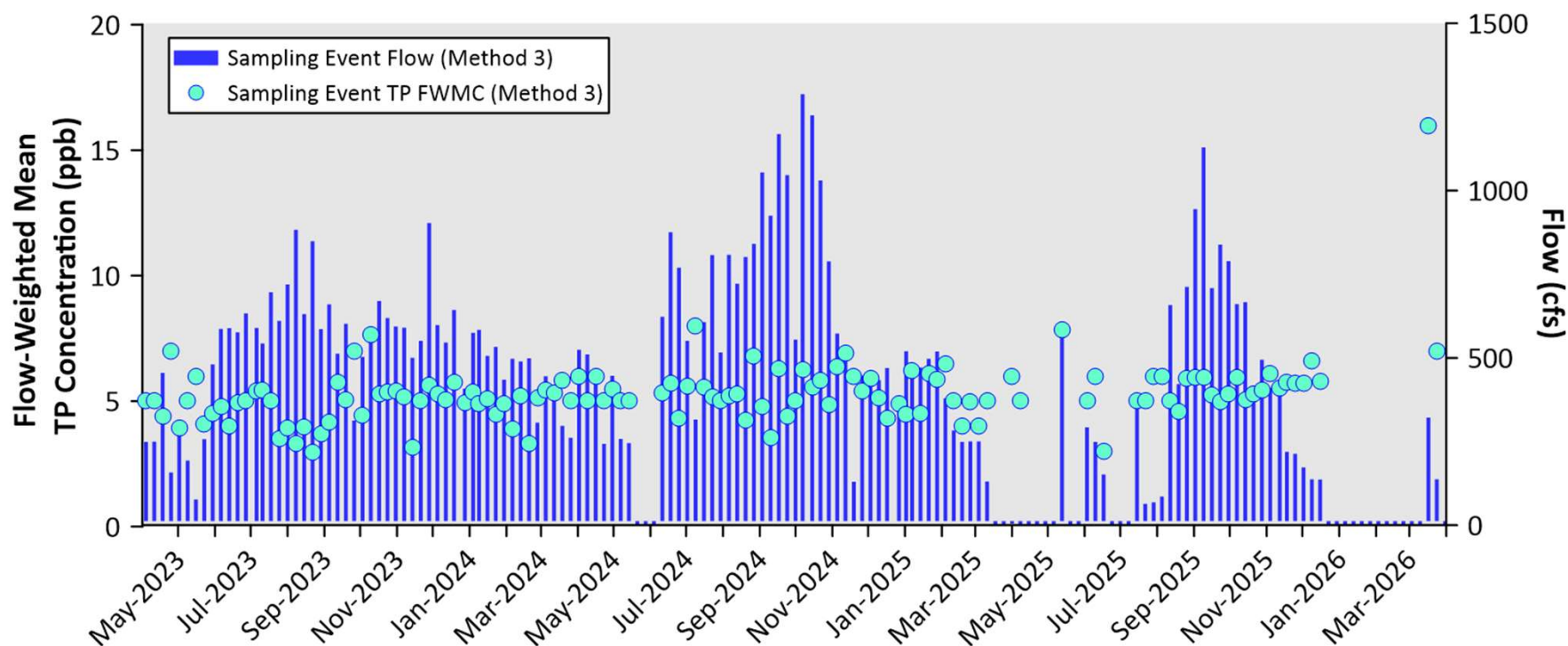


Daily Flows In and Out of S332D Flowway



Taylor Slough and Coastal Basins

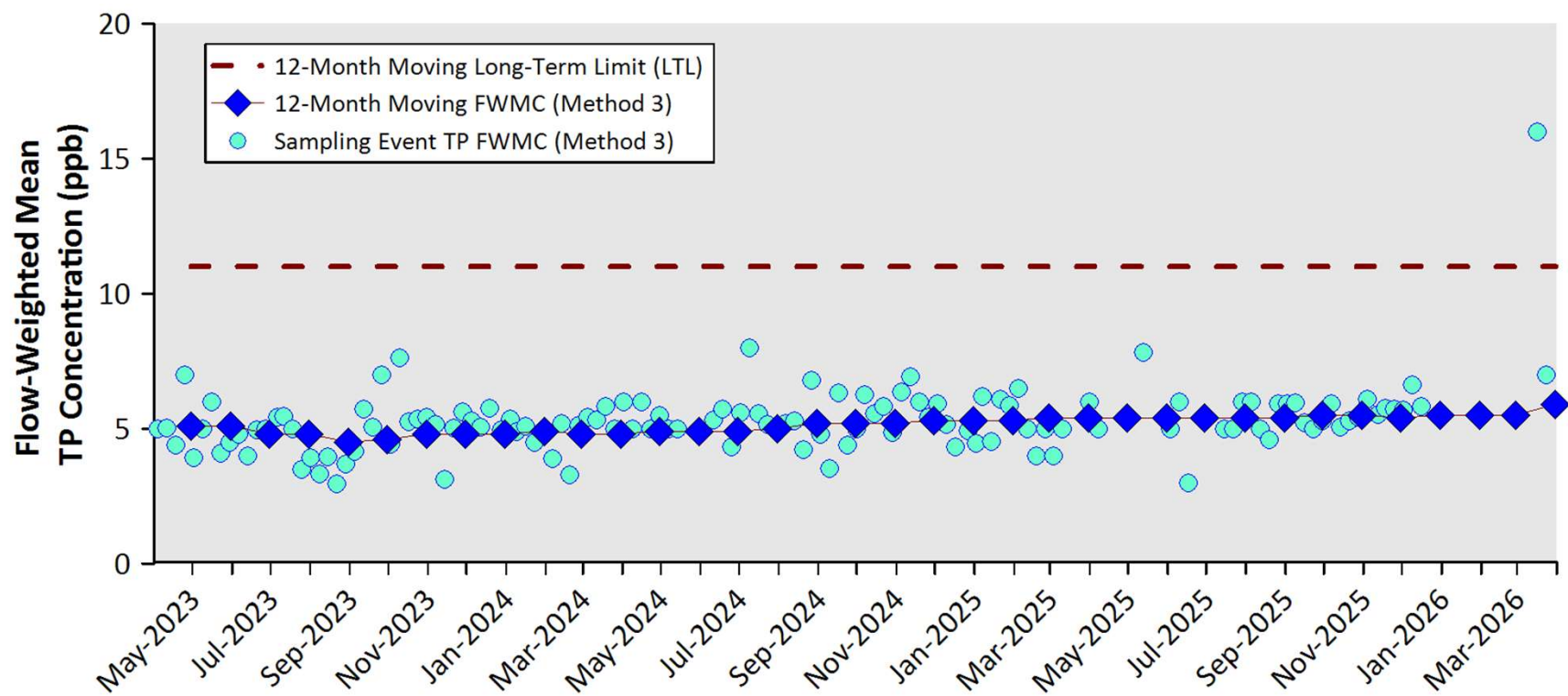
Sampling Event Flow and FWMC



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

Taylor Slough and Coastal Basins

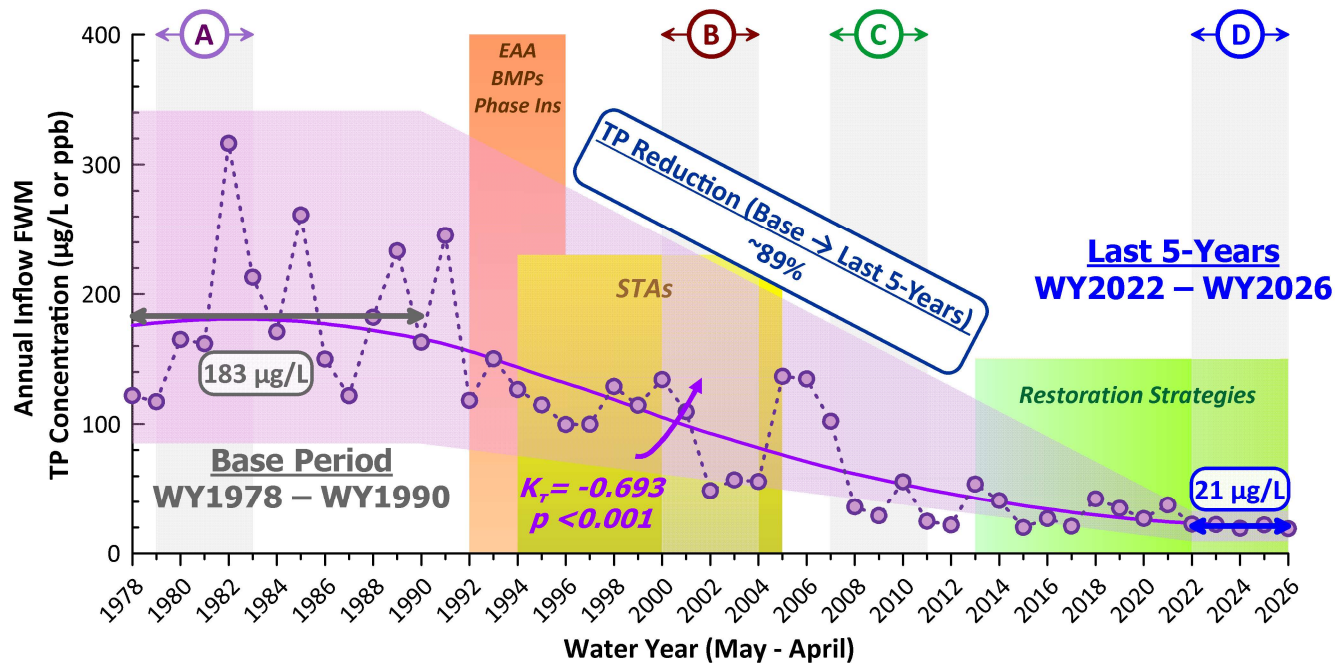
12-month Moving Flow-Weighted Mean TP and Long-Term Limit



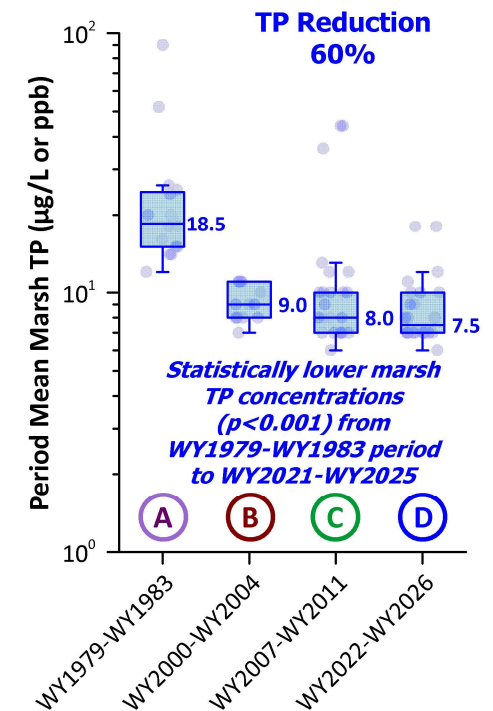
The 12-month FWMC at the end of each month and the composite TP concentration for each sampling event

Observed Reductions in TP concentrations for Inflows to the Refuge and Marsh Stations

Inflows to the Refuge



Marsh TP*

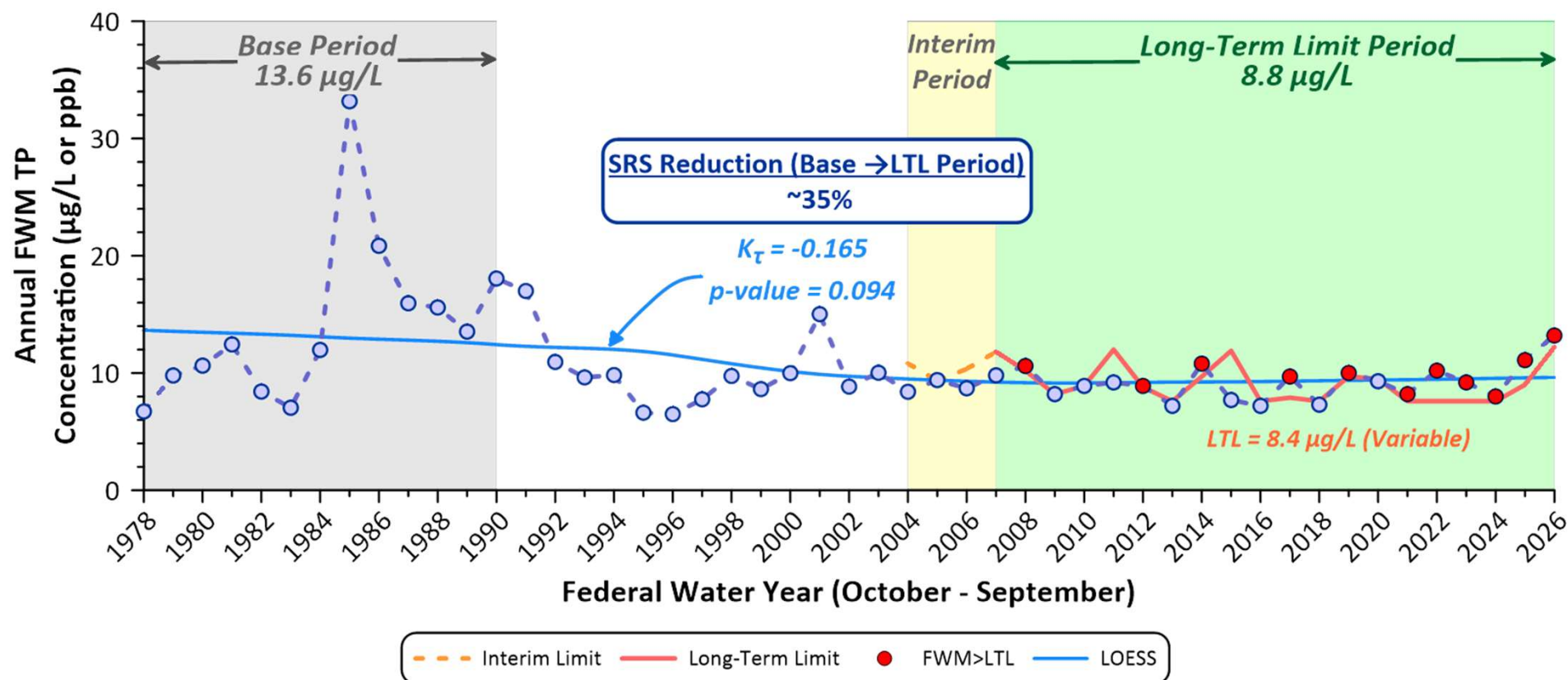


Marsh TP*: Period average of annual geometric means at App B compliance stations and TP Rule stations (impacted and unimpacted)

Observed Reductions in TP concentrations to SRS from Base Period to Long-Term Limit Period

WY1978 – WY1990

WY2007 – WY2026



sfwmd.gov Base, and Long-Term Limit period and LTL TP calculated as overall FWM

Thank You

