

SUMMARY

Month	Mean Stage (ft NGVD29)	Long-Term Level (ppb)	Geometric Mean TP Concentration (ppb)	Number o	f Samples
Arthur R. Marshall Loxahatchee National Wildlife Refuge					
Jul-24	16.52	9.6	9.0	1	4
Aug-24	16.58	9.3	8.2	1	3
Sep-24	16.79	8.4	7.1	14	
12-Month Period Ending		Long-Term	12-Month TP	Percent of Sampling Even Greater than 10 ppb	
Enaing	(kac-ft)	Limit (ppb)	FWMC (ppb)	Guideline (%)	Observed (%)
Everglades National Park – Shark River Slough – PROVISIONAL DATA and RESULTS					
Jul-24	1531.0	7.6	7.9	40.1	20.0
Aug-24	1534.3	7.6	8.0	40.1	20.0
Sep-24	1521.8	7.6	8.0	40.1	20.0
Everglades National Park – Taylor Slough and Coastal Basins					
Jul-24	406.3	11.0	5.0	53.1	0.0
Aug-24	405.7	11.0	5.2	53.1	0.0
Sep-24	430.5		5.2	53.1	0.0

FWMC for SRS - computed as S12s+[S333+S333N+S355A+S355B+min(S356,S335)-S334]. S334 flow is not excluded from the total flow for long-term limit calculations. FWMC for TS and CB - computed as (S332D-S332DX1-S328)+S328+G737+S18C.

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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	
3rd Quarter 2024 Compliance Tracking					
Jul-2024	16.52	9.6	9.0	14	
Aug-2024	16.58	9.3	8.2	13	
Sep-2024	16.79	8.4	7.1	14	
Preliminary Data Outlook					
Oct-2024	17.27	7.2	7.5	14	
Nov-2024	16.97	7.7	6.9	14	
Dec-2024	16.75	8.6	6.7	14	
Jan-2025	16.65	9.0	6.8	14	

Note: 17.14 ft NGVD29 was used for the long-term level calculation when the average stage of the month exceeded the threshold of 17.14 ft.

In August, one out of 14 samples was not collected due to dry conditions.

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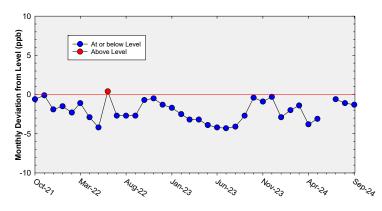
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A.R.M Loxahatchee National Wildlife Refuge

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



36-Month Average TP geometric mean = 2.1 ppb below the Long-Term Level.

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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Shark River Slough

TP Concentration Compliance Tracking and Outlook

PROVISIONAL DATA and RESULTS

12-Month Period	Total Flow (kac-ft)	Long-Term Limit (ppb) Effective 12/31/2006	Flow-Weighted Mean TP Concentration (ppb)	Events Gro	f Sampling eater than ppb Observed (%)	
3rd Quarter 2024 Compliance Tracking						
Aug 2023 - Jul 2024	1,531.0	7.6	7.9	40.1	20.0	
Sep 2023 - Aug 2024	1,534.3	7.6	8.0	40.1	20.0	
Oct 2023 - Sep 2024	1,521.8	7.6	8.0	40.1	20.0	
Outlook						
Nov 2023 - Oct 2024	1,529.3	7.6	8.1	40.1	20.0	
Dec 2023 - Nov 2024	1,536.0	7.6	7.9	40.1	16.0	
Jan 2024 - Dec 2024	1,495.7	7.6	7.9	40.1	15.4	

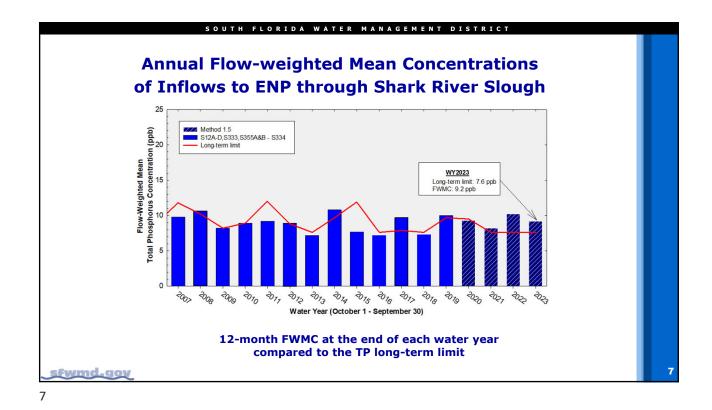
Shark River Slough PROVISIONAL RESULTS:

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

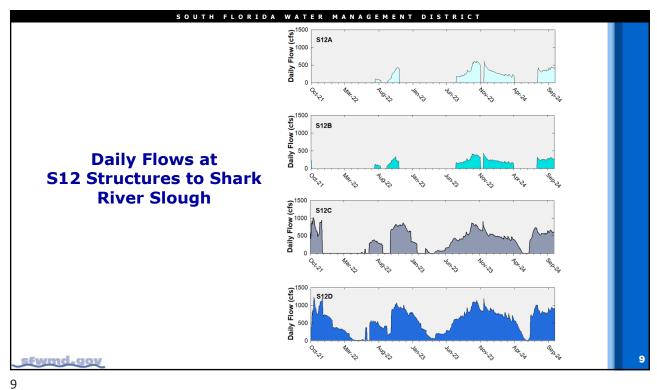
S334 flow was not excluded from the flow for long-term limit calculations.

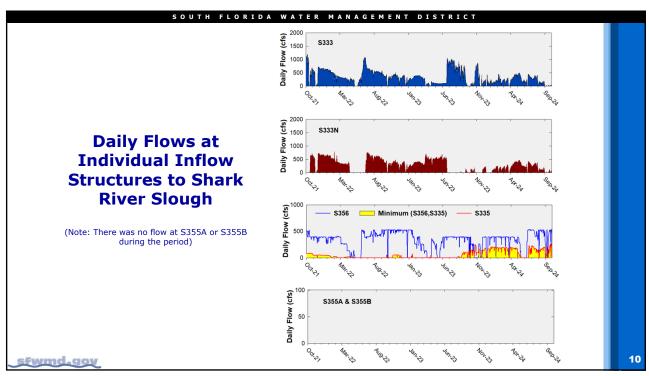
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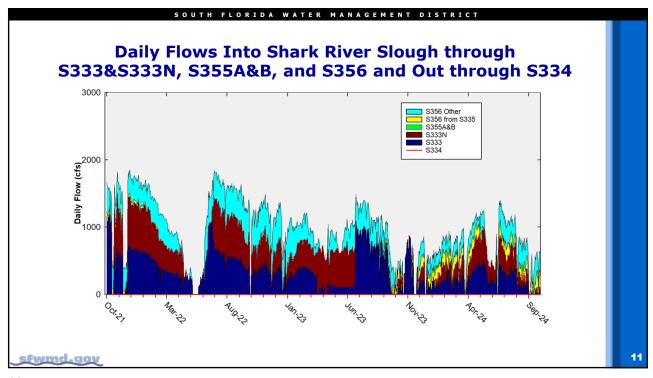
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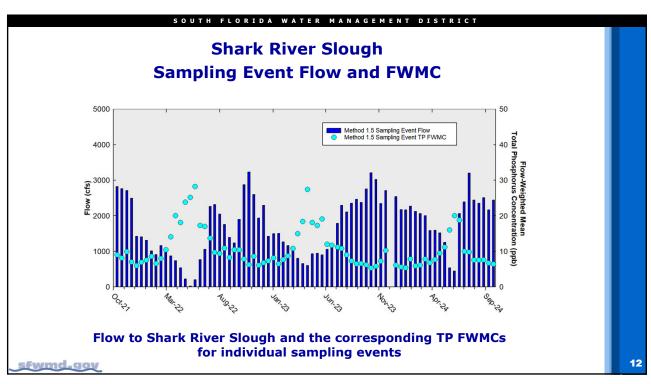


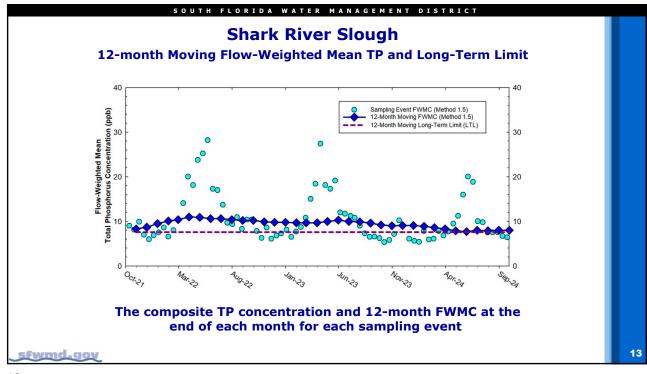
SOUTH FLORIDA WATER MANAGEMENT DISTRICT **Shark River Slough Structure Daily Flows** WY2024 Flow Data for S12s are Provisional. 4000 356 from S335 ■ S355A&B ■ S333N S333 3000 S12D S12C Daily Flow (cfs) S12B S334 1000 0 Oct. 27 Nar. 22 16×23 ¹ केग_र २३ ↓ √Un_23 Aug. 22 sfwmd.gov

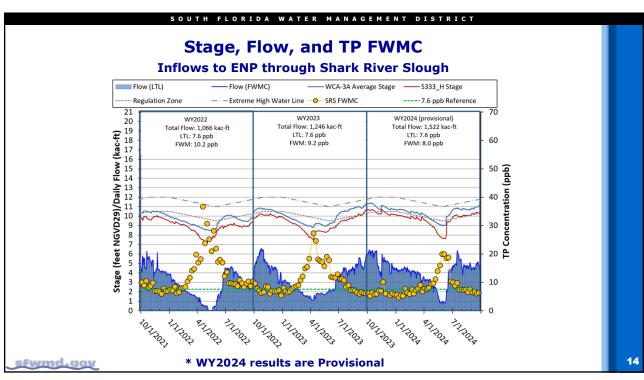












Taylor Slough and Coastal Basins

TP Concentration Compliance Tracking

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%	
Aug 2023 - Jul 2024	406.3	5.0	0.0	
Sep 2023 - Aug 2024	405.7	5.2	0.0	
Oct 2023 - Sep 2024	430.5	5.2	0.0	

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

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

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