

## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-1E**

**DATE 11/27/2023**

**LATEST DATA**

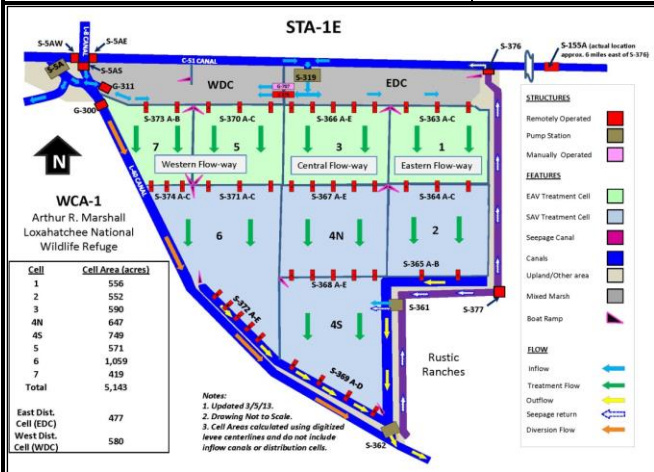
**11/26/2023**

WY2024 to Date Flow-weighted Mean Conc (µg/L)	Inflow: 101	Outflow: 19	Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)		131,498	no flow	53,974	65,234
	Inflow Load (kg)		16,578	no flow	6,944	5,178
	Inflow Flow-weighted Mean Conc (µg/L)		102	no flow	104	64
	Outflow Volume (ac-ft)		114,334	2,016	43,968	59,162
	Outflow Load (kg)		2,764	N/A	1,835	963
	Outflow Flow-weighted Mean Conc (µg/L)		20	N/A	34	13
<b>365-day load reduction (kg)</b>			<b>13,814</b>	<b>no flow</b>	<b>5,109</b>	<b>4,215</b>
28-day Values	Inflow Volume (ac-ft)		8,516	no flow	6,578	1,607
	Inflow Load (kg)		1,682	no flow	678	135
	Inflow Flow-weighted Mean Conc (µg/L)		160	no flow	84	68
	Outflow Volume (ac-ft)		4,391	no flow	3,593	no flow
	Outflow Load (kg)		88	N/A	159	no flow
	Outflow Flow-weighted Mean Conc (µg/L)		16	N/A	36	no flow
7-day Values	Inflow Volume (ac-ft)		4,803	no flow	4,374	661
	Inflow Flow-weighted Mean Conc (µg/L)		163	no flow	84	68
	Outflow Volume (ac-ft)		2,606	no flow	2,374	no flow
	Outflow Flow-weighted Mean Conc (µg/L)		16	N/A	36	no flow
<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>			<b>1.5</b>	<b>N/A</b>	<b>1.0</b>	<b>1.2</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)			-6	no flow	2	-7

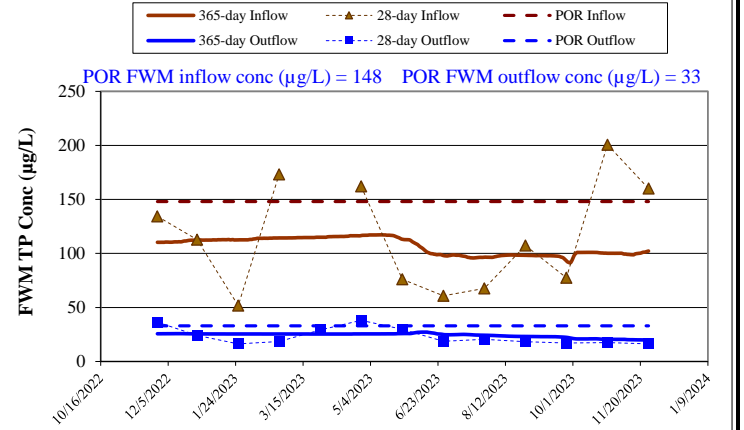
Redirected to STA-1 Inflow Basin for the last 365 days through G-311 Volume (ac-ft) 6,276 Load (kg) 783 Conc (µg/L) 101

### Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

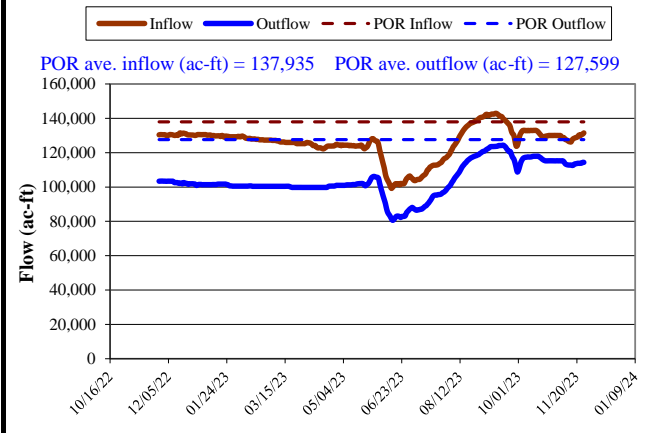
W Flow-way	C Flow-way	E Flow-way
Off-line	On-line	On-line
Off-line for post-construction vegetation grow in starting on 3/28/2022.		



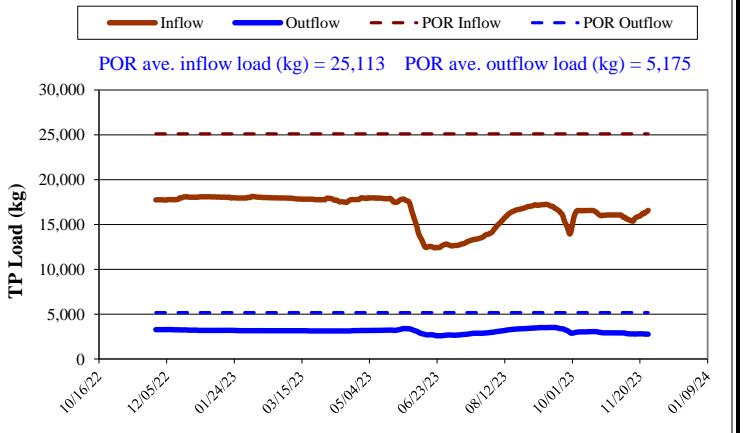
**Moving 365-day & 28-day TP Concentrations - Entire STA** POR: 5/1/2005 - 4/30/2022



**Moving 365-day Flows - Entire STA** POR: 5/1/2005 - 4/30/2022



**Moving 365-day TP Loads - Entire STA** POR: 5/1/2005 - 4/30/2022



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-1W**

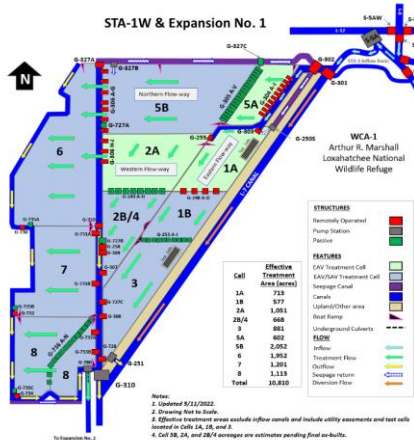
**DATE 11/27/2023**

**LATEST DATA 11/26/2023**

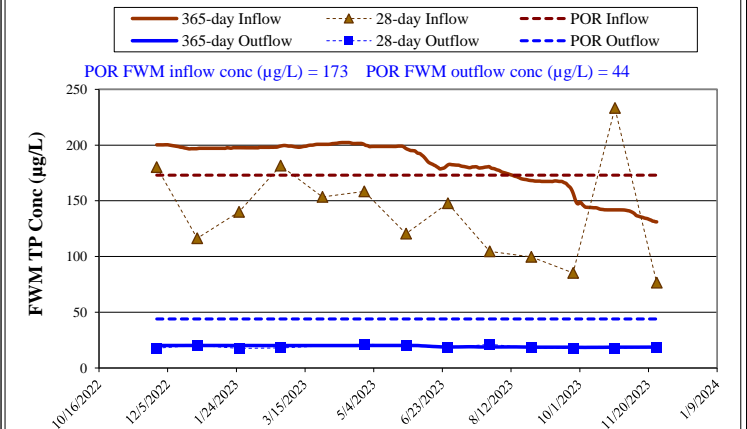
WY2024 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 129	Outflow: 19	Entire STA	W Flow-way	E Flow-way	N Flow-way	Cell 7	Cell 8
365-day Values	Inflow Volume (ac-ft)			157,079	36,934	122,028	22,520	N/A	N/A
	Inflow Load (kg)			25,403	5,378	15,284	4,063	N/A	N/A
	Inflow Flow-weighted Mean Conc (µg/L)			131	118	102	146	N/A	N/A
	Outflow Volume (ac-ft)			183,323	37,684	118,032	122,865	31,195	26,526
	Outflow Load (kg)			4,247	905	4,061	2,478	751	588
	Outflow Flow-weighted Mean Conc (µg/L)			19	19	28	16	20	18
<b>365-day load reduction (kg)</b>				<b>21,155</b>	<b>4,473</b>	<b>11,223</b>	<b>1,585</b>	<b>N/A</b>	<b>N/A</b>
28-day Values	Inflow Volume (ac-ft)			12,645	2,245	7,495	3,203	no flow	3,033
	Inflow Load (kg)			1,195	261	856	287	no flow	114
	Inflow Flow-weighted Mean Conc (µg/L)			77	94	93	73	no flow	30
	Outflow Volume (ac-ft)			10,503	1,270	8,330	6,197	2,623	1,748
	Outflow Load (kg)			244	33	259	151	73	47
	Outflow Flow-weighted Mean Conc (µg/L)			19	21	25	20	23	22
7-day Values	Inflow Volume (ac-ft)			3,014	1,438	1,782	no flow	no flow	690
	Inflow Flow-weighted Mean Conc (µg/L)			75	73	73	no flow	no flow	29
	Outflow Volume (ac-ft)			3,107	883	2,642	1,979	737	503
	Outflow Flow-weighted Mean Conc (µg/L)			20	21	25	20	23	22
<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>				<b>0.6</b>	<b>0.8</b>	<b>1.7</b>	<b>0.2</b>	<b>N/A</b>	<b>N/A</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)				-1	1	0	-1	-3	-3
Redirection to STA-1E over the last 365 days Volume (ac-ft)				0	Load (kg)	0	Conc (µg/L)	no flow	
Redirection to S-5AS over the last 365 days Volume (ac-ft)				114,321	Load (kg)	23,176	Conc (µg/L)	164	

### Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

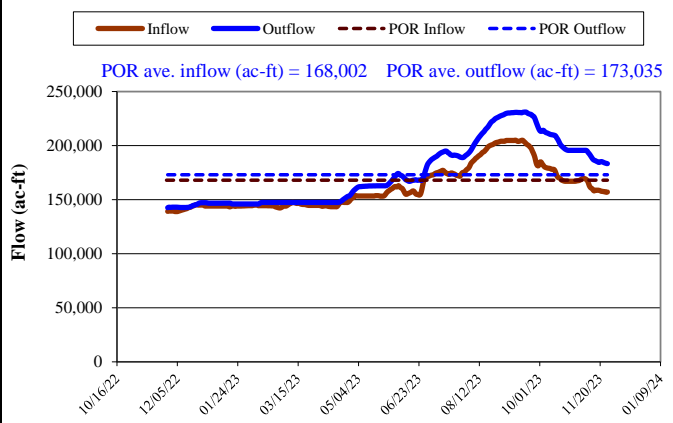
W Flow-way	E Flow-way	N Flow-way	Cells 7 + 8
On-line	On-line	On-line	On-line
		Online with restrictions for vegetation management activities effective 5/16/2022.	Cell 8 online with restrictions for construction activities.



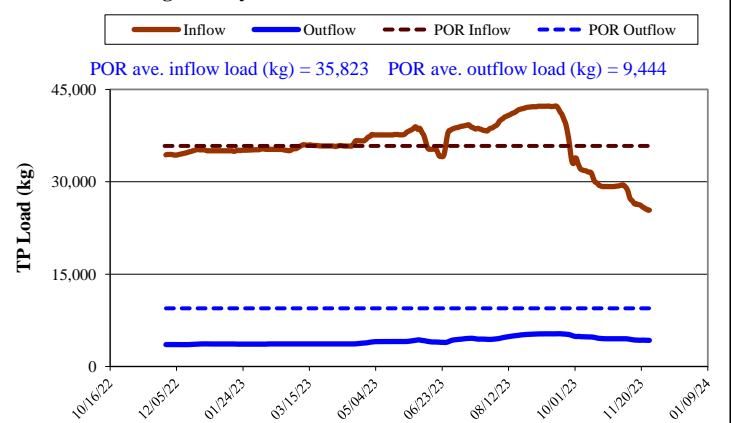
**Moving 365-day & 28-day TP Concentrations - Entire STA**      POR: 5/1/1995 - 4/30/2022



**Moving 365-day Flows - Entire STA**      POR: 5/1/1995 - 4/30/2022



**Moving 365-day TP Loads - Entire STA**      POR: 5/1/1995 - 4/30/2022



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-2**

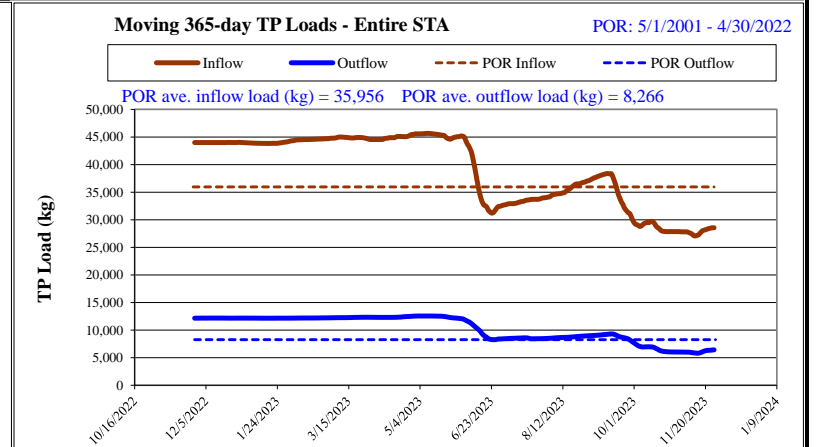
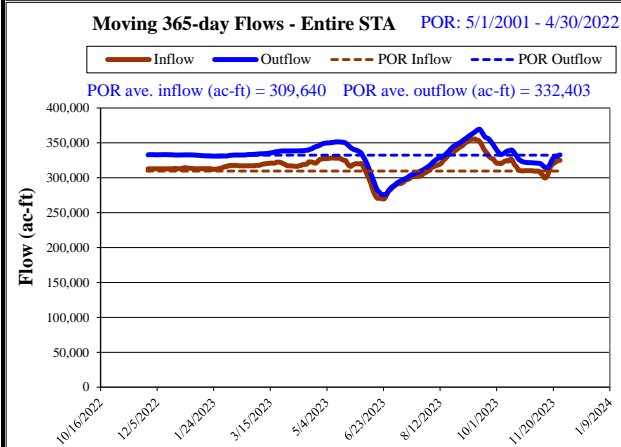
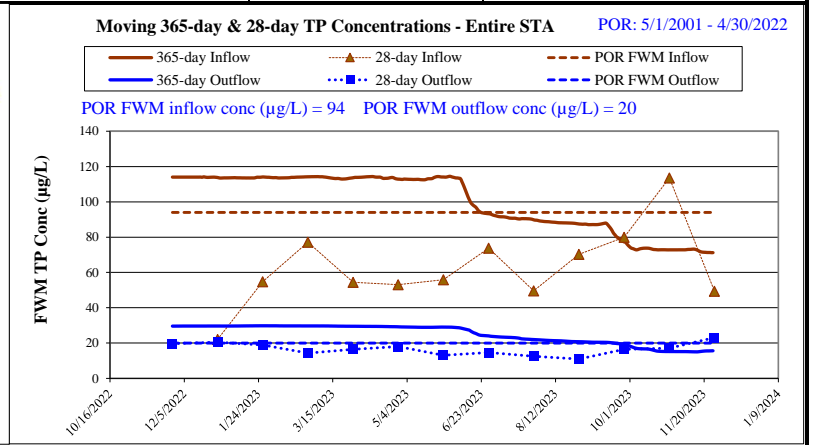
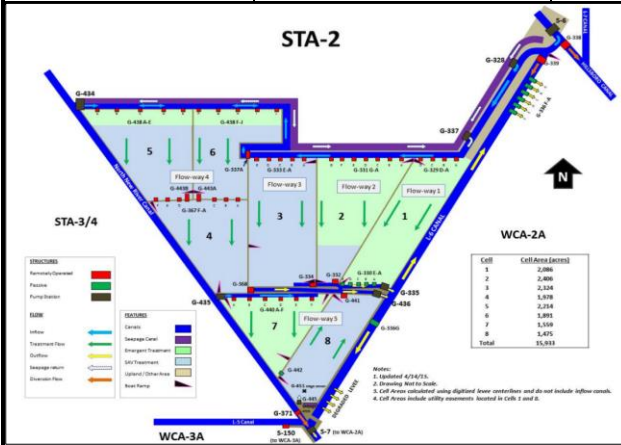
**DATE 11/27/2023**

**LATEST DATA 11/26/2023**

WY2024 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 74	Outflow: 15	Entire STA	Flow-way 5	Flow-way 4	Flow-way 3	Flow-way 2	Flow-way 1
365-day Values	Inflow Volume (ac-ft)			324,819	44,281	140,680	63,411	39,011	68,543
	Inflow Load (kg)			28,544	2,846	13,192	5,955	N/A	7,921
	Inflow Flow-weighted Mean Conc (µg/L)			71	52	76	76	N/A	94
	Outflow Volume (ac-ft)			332,863	39,090	108,166	70,534	59,144	85,460
	Outflow Load (kg)			6,422	504	1,257	1,987	1,850	1,230
	Outflow Flow-weighted Mean Conc (µg/L)			16	10	9	23	25	12
<b>365-day load reduction (kg)</b>				<b>22,122</b>	<b>2,342</b>	<b>11,935</b>	<b>3,968</b>	<b>N/A</b>	<b>6,691</b>
28-day Values	Inflow Volume (ac-ft)			33,448	2,381	8,008	14,515	6,864	3,889
	Inflow Load (kg)			2,038	115	526	511	660	331
	Inflow Flow-weighted Mean Conc (µg/L)			49	39	53	29	78	69
	Outflow Volume (ac-ft)			28,792	1,700	2,695	14,536	6,216	4,095
	Outflow Load (kg)			821	35	37	484	276	81
	Outflow Flow-weighted Mean Conc (µg/L)			23	17	11	27	36	16
7-day Values	Inflow Volume (ac-ft)			10,582	no flow	5,348	3,355	1,815	26
	Inflow Flow-weighted Mean Conc (µg/L)			54	no flow	61	28	78	69
	Outflow Volume (ac-ft)			11,382	960	2,089	4,804	2,016	2,155
	Outflow Flow-weighted Mean Conc (µg/L)			23	17	11	27	36	16
<b>365-day phosphorus loading rate (g/m<sup>2</sup>/yr)</b>				<b>0.5</b>	<b>0.2</b>	<b>0.5</b>	<b>0.6</b>	<b>N/A</b>	<b>1.1</b>
<b>6-month trend in outflow TP concentration (- means decrease; µg/L)</b>				<b>-21</b>	<b>0</b>	<b>-3</b>	<b>-33</b>	<b>-27</b>	<b>-17</b>

### Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

Flow-way 5	Flow-way 4	Flow-way 3	Flow-way 2	Flow-way 1
On-line	On-line	On-line	On-line	On-line
	On-line with restrictions for vegetation managements activities starting on 10/28/2019.		On-line with restrictions for vegetation management activities starting on 08/14/2023.	



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-3/4**

**DATE 11/27/2023**

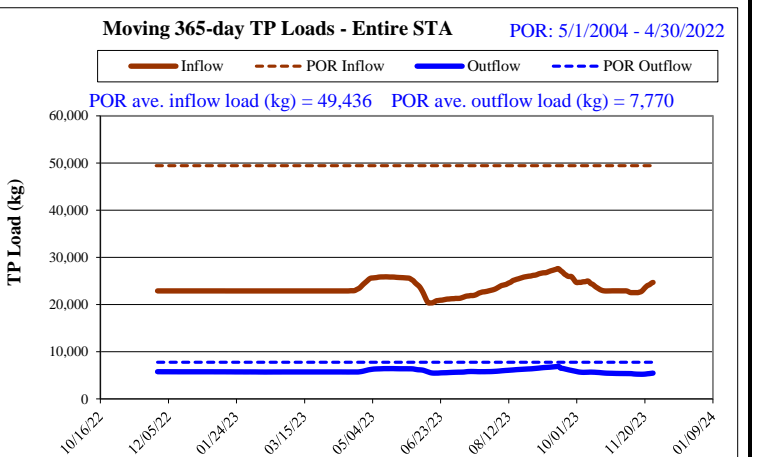
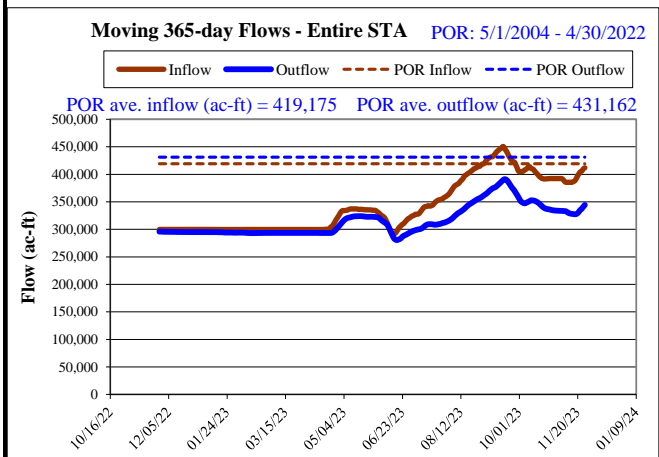
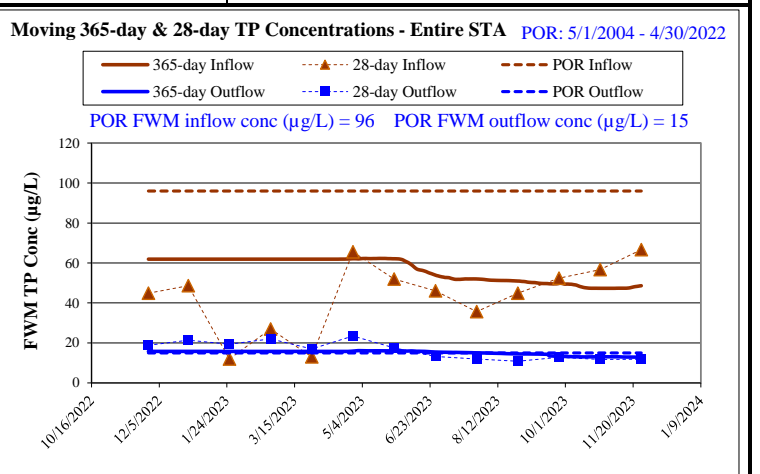
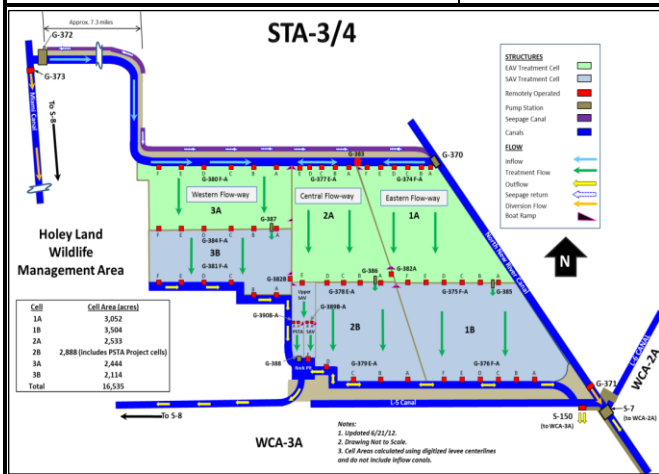
**LATEST DATA**

**11/26/2023**

WY2024 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 60	Outflow: 12	Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)			411,821	184,581	224,445	2,794
	Inflow Load (kg)			34,266	11,343	13,293	N/A
	Inflow Flow-weighted Mean Conc (µg/L)			67	50	48	N/A
	Outflow Volume (ac-ft)			344,305	160,090	172,387	11,828
	Outflow Load (kg)			5,465	2,708	2,462	295
	Outflow Flow-weighted Mean Conc (µg/L)			13	14	12	20
<b>365-day load reduction (kg)</b>				<b>28,801</b>	<b>8,636</b>	<b>10,831</b>	<b>-236</b>
28-day Values	Inflow Volume (ac-ft)			26,364	7,956	18,324	84
	Inflow Load (kg)			627	343	1,823	2
	Inflow Flow-weighted Mean Conc (µg/L)			19	35	81	18
	Outflow Volume (ac-ft)			18,415	7,304	10,306	805
	Outflow Load (kg)			269	85	173	11
	Outflow Flow-weighted Mean Conc (µg/L)			12	9	14	11
7-day Values	Inflow Volume (ac-ft)			18,219	5,756	12,409	53
	Inflow Flow-weighted Mean Conc (µg/L)			17	35	81	18
	Outflow Volume (ac-ft)			17,241	6,560	9,878	803
	Outflow Flow-weighted Mean Conc (µg/L)			12	9	14	11
<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>				<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>N/A</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)				-3	-7	-1	3

### Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	C Flow-way	E Flow-way
On-line	On-line	On-line
		On-line with restrictions for vegetation management activities effective 8/29/2023.



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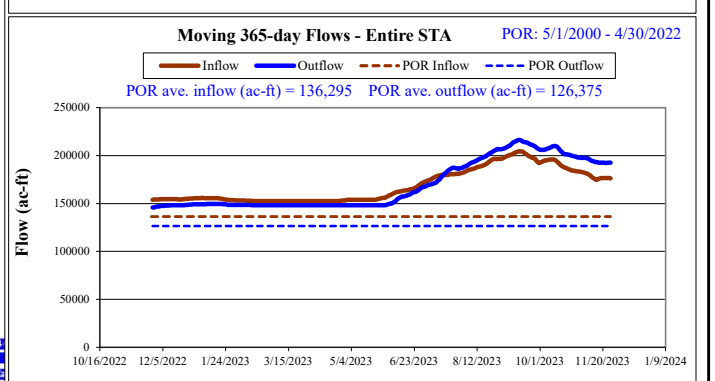
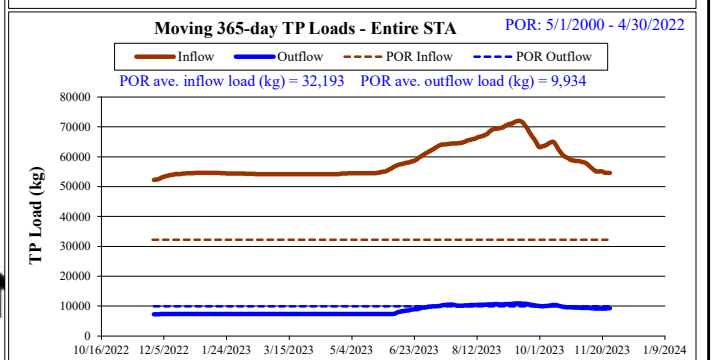
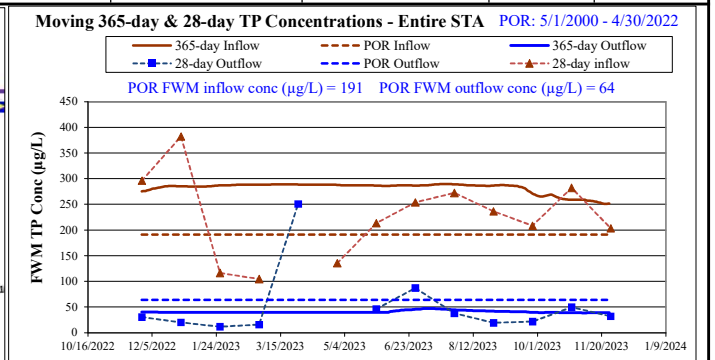
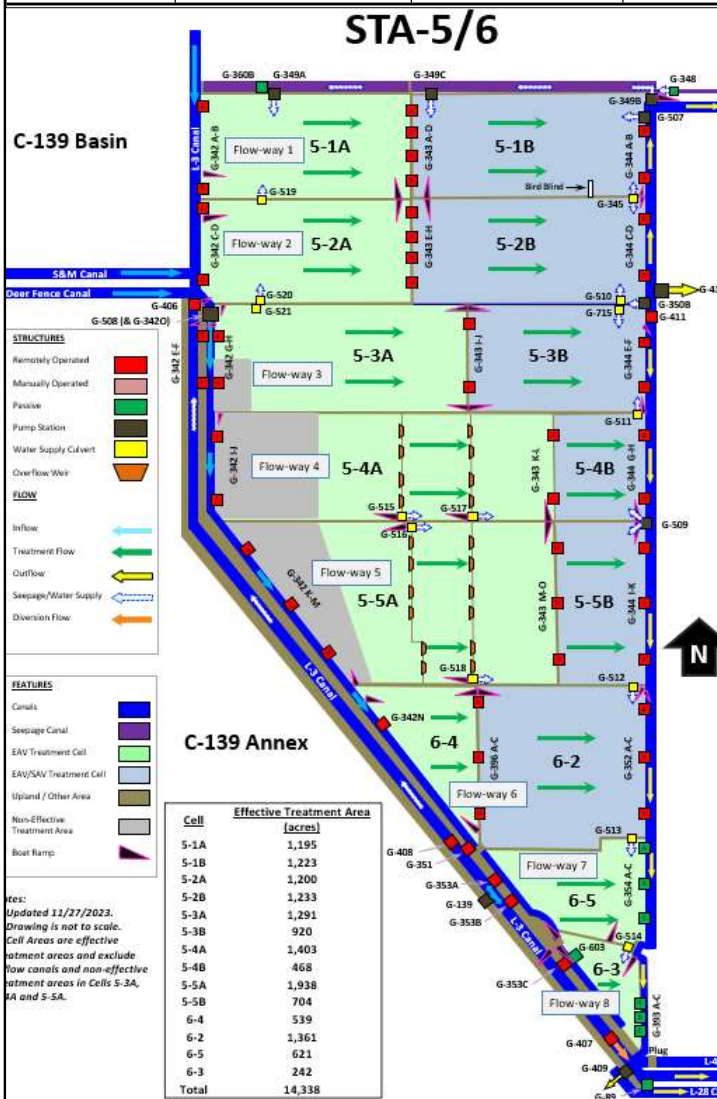
**WEEKLY STA PERFORMANCE SUMMARY**

**PROJECT STA-5/6**      **DATE 11/28/2023**      **LATEST DATA 11/26/2023**

WY2024 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 249	Outflow: 40	Entire STA	Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
365-day Values	Inflow Volume (ac-ft)	176,335	24,519	44,807	42,186	8,953	35,754	10,493	4,558	2,309		
	Inflow Load (kg)	54,665	5,390	12,930	14,697	3,231	11,008	2,112	720	315		
	Inflow Flow-weighted Mean Conc (µg/L)	251	178	234	282	293	250	163	128	110		
	Outflow Volume (ac-ft)	192,408	23,055	48,902	57,408	13,281	40,914	128	6,447	2,273		
	Outflow Load (kg)	9,290	444	985	3,012	1,052	3,331	31	366	68		
	Outflow Flow-weighted Mean Conc (µg/L)	39	16	16	43	64	66	194	46	24		
<b>365-day load reduction (kg)</b>				<b>45,375</b>	<b>4,946</b>	<b>11,944</b>	<b>11,685</b>	<b>2,179</b>	<b>7,677</b>	<b>2,081</b>	<b>353</b>	<b>246</b>
28-day Values	Inflow Volume (ac-ft)	11,377	881	4,796	no flow	no flow	2,095	1,915	1,394	439		
	Inflow Load (kg)	2,854	149	1,207	no flow	no flow	351	269	220	69		
	Inflow Flow-weighted Mean Conc (µg/L)	203	137	204	no flow	no flow	136	114	128	127		
	Outflow Volume (ac-ft)	10,010	1,000	4,927	389	54	1,900	no flow	1,569	167		
	Outflow Load (kg)	393	21	106	35	3	127	no flow	98	4		
	Outflow Flow-weighted Mean Conc (µg/L)	32	17	17	72	40	54	no flow	50	22		
7-day Values	Inflow Volume (ac-ft)	3,600	39	1,246	no flow	no flow	879	313	805	282		
	Inflow Flow-weighted Mean Conc (µg/L)	217	147	233	no flow	no flow	136	114	128	127		
	Outflow Volume (ac-ft)	3,893	169	1,077	252	28	1,168	no flow	1,145	51		
	Outflow Flow-weighted Mean Conc (µg/L)	43	17	19	72	40	55	no flow	52	22		
<b>365-day phosphorus loading rate (g/m<sup>2</sup>/yr)</b>				<b>0.9</b>	<b>0.6</b>	<b>1.3</b>	<b>1.6</b>	<b>0.4</b>	<b>1.0</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>
<b>6-month trend in outflow TP concentration (- means decrease; µg/L)</b>				<b>-1</b>	<b>-3</b>	<b>-5</b>	<b>-1</b>	<b>25</b>	<b>24</b>	<b>124</b>	<b>8</b>	<b>-13</b>
Inflows to Rotenberger over the last 365 days		Volume (ac-ft)	105	TP Load (kg)	9	TP Conc (µg/L)	68					

**Flow-Way Information (Research projects, stage-duration, vegetation, etc.)**

Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
On-line	On-line	On-line	On-line	On-line	On-line	On-line	On-line
			Online with restrictions for vegetation management activities effective 9/11/2023.				



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