

## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-1E**

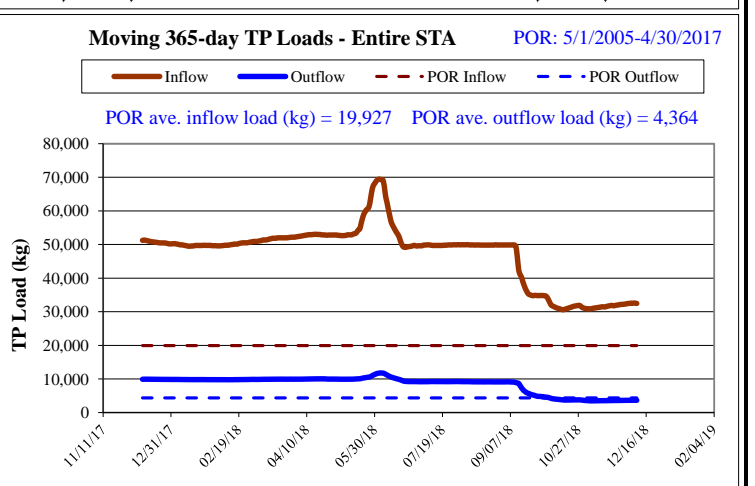
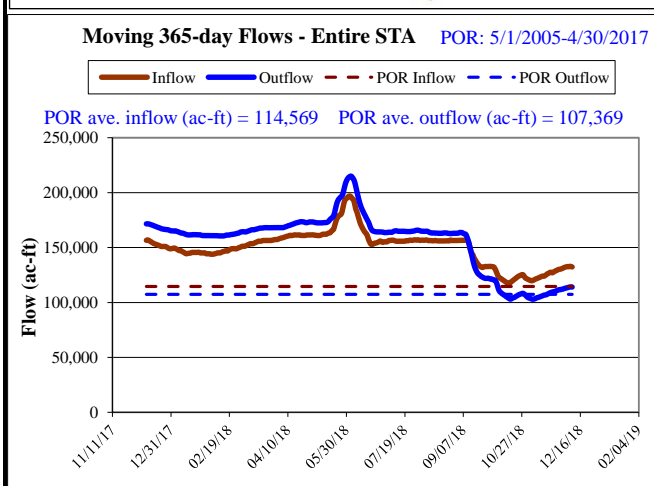
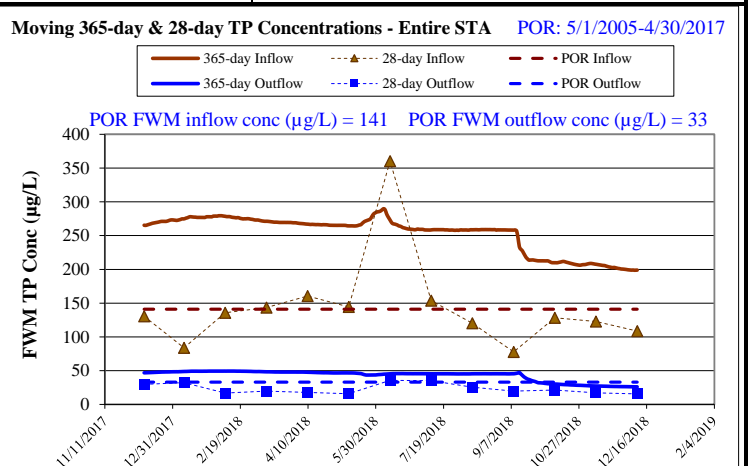
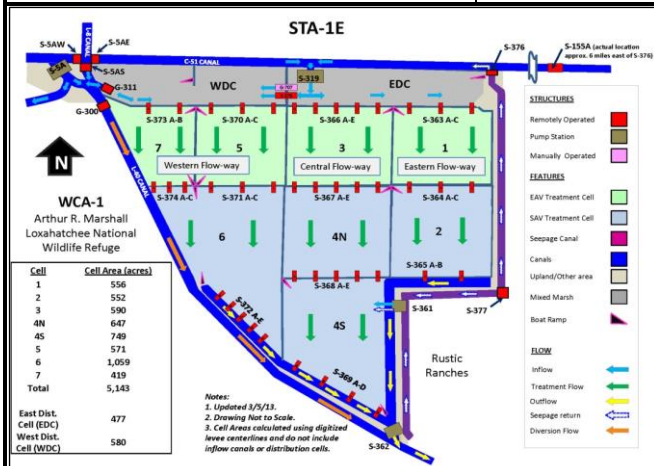
**DATE 12/10/2018**

**LATEST DATA**

**12/09/2018**

WY2019 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 216	Outflow: 28	Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)			132,340	16,983	42,284	68,406
	Inflow Load (kg)			32,466	2,745	12,169	10,534
	Inflow Flow-weighted Mean Conc (µg/L)			199	131	233	125
	Outflow Volume (ac-ft)			114,030	19,134	29,703	63,572
	Outflow Load (kg)			3,660	1,567	2,000	1,385
	Outflow Flow-weighted Mean Conc (µg/L)			26	66	55	18
<b>365-day load reduction (kg)</b>				<b>28,806</b>	<b>1,178</b>	<b>10,168</b>	<b>9,149</b>
28-day Values	Inflow Volume (ac-ft)			14,172	no flow	4,040	9,968
	Inflow Load (kg)			1,898	no flow	474	1,066
	Inflow Flow-weighted Mean Conc (µg/L)			109	no flow	95	87
	Outflow Volume (ac-ft)			11,165	no flow	2,275	8,362
	Outflow Load (kg)			215	no flow	38	171
	Outflow Flow-weighted Mean Conc (µg/L)			16	no flow	13	17
7-day Values	Inflow Volume (ac-ft)			2,462	no flow	99	2,190
	Inflow Flow-weighted Mean Conc (µg/L)			113	no flow	30	88
	Outflow Volume (ac-ft)			2,030	no flow	99	1,895
	Outflow Flow-weighted Mean Conc (µg/L)			16	no flow	18	18
<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>				<b>1.6</b>	<b>0.3</b>	<b>1.6</b>	<b>2.4</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)				-20	-65	-31	1

Redirected to STA-1 Inflow Basin for the last 365 days through G-311		Volume (ac-ft)	no flow	Load (kg)	no flow	Conc (µg/L)	no flow
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)							
W Flow-way		C Flow-way			E Flow-way		
On-line		On-line			On-line		
Operational restrictions due to topographic deficiencies.							



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-1W**

**DATE 12/10/2018**

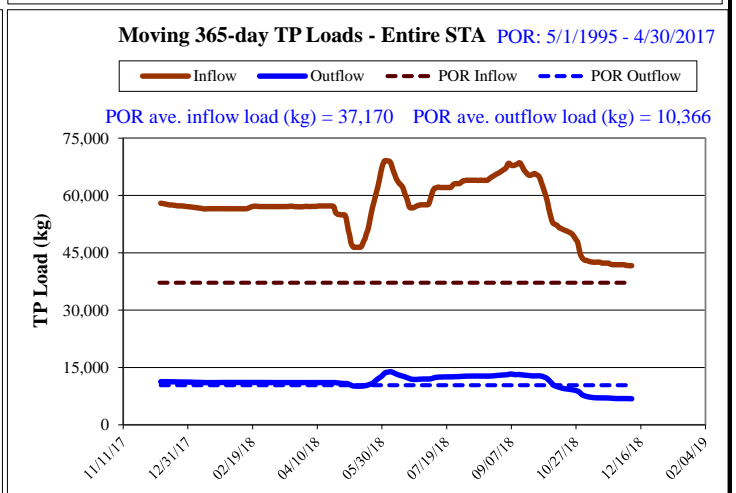
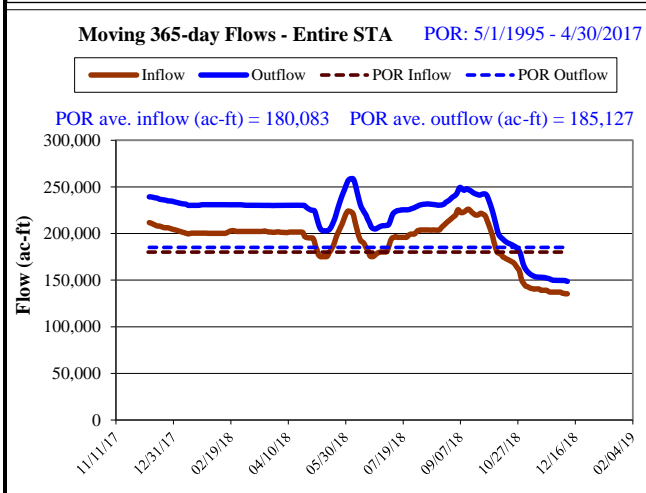
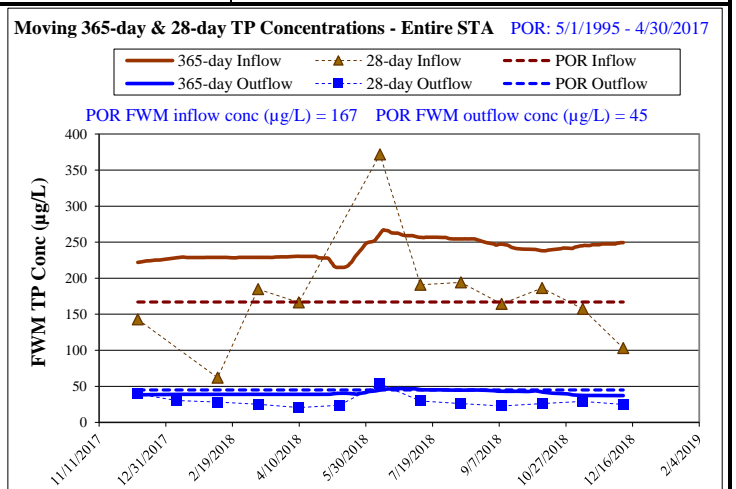
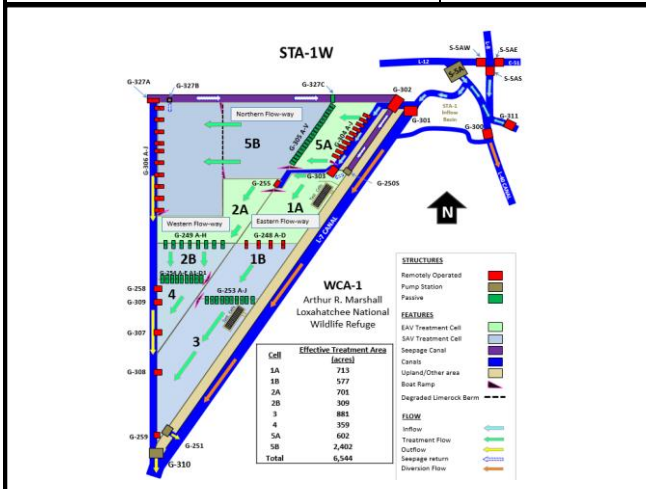
**LATEST DATA**

**12/9/2018**

WY2019 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 255	Outflow: 37	Entire STA	W Flow-way	E Flow-way	N Flow-way
365-day Values	Inflow Volume (ac-ft)			135,362	33,420	40,955	61,072
	Inflow Load (kg)			41,628	9,734	11,882	19,119
	Inflow Flow-weighted Mean Conc (µg/L)			249	236	235	254
	Outflow Volume (ac-ft)			148,622	24,675	54,279	65,750
	Outflow Load (kg)			6,820	1,523	1,590	2,308
	Outflow Flow-weighted Mean Conc (µg/L)			37	50	24	28
<b>365-day load reduction (kg)</b>				<b>34,808</b>	<b>8,211</b>	<b>10,293</b>	<b>16,812</b>
28-day Values	Inflow Volume (ac-ft)			10	10	no flow	no flow
	Inflow Load (kg)			1	2	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)			103	122	no flow	no flow
	Outflow Volume (ac-ft)			513	no flow	no flow	no flow
	Outflow Load (kg)			16	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)			25	no flow	no flow	no flow
7-day Values	Inflow Volume (ac-ft)			no flow	no flow	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)			no flow	no flow	no flow	no flow
	Outflow Volume (ac-ft)			127	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)			23	no flow	no flow	no flow
<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>				<b>1.6</b>	<b>1.8</b>	<b>1.4</b>	<b>1.7</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)				-9	3	-11	-7
Redirection to STA-1E over the last 365 days		Volume (ac-ft)	34,139	Load (kg)	8,734	Conc (µg/L)	207
Redirection to S-5AS over the last 365 days		Volume (ac-ft)	183,991	Load (kg)	50,597	Conc (µg/L)	223

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

W Flow-way	E Flow-way	N Flow-way
On-line	On-line	Off-line
Restrictions due to construction activities related to the STA-1W expansion starting on Feb. 20, 2018.	Restrictions due to construction activities related to the STA-1W expansion starting on Feb. 20, 2018.	Offline due to construction activities related to the STA-1W expansion starting on Nov. 09, 2018.



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-2**

**DATE 12/10/2018**

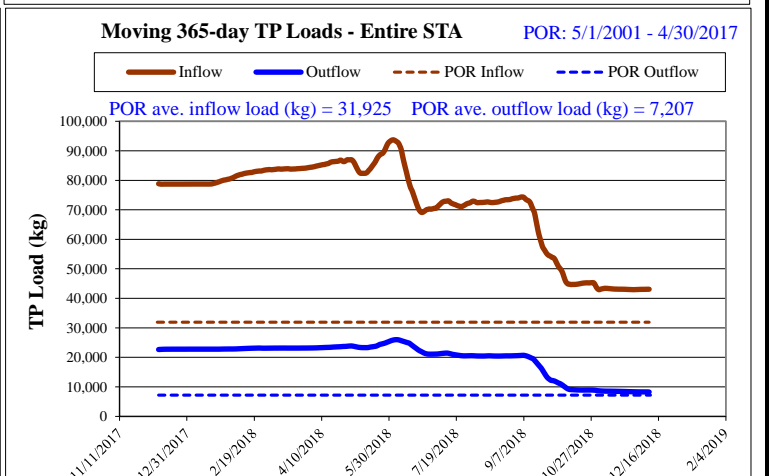
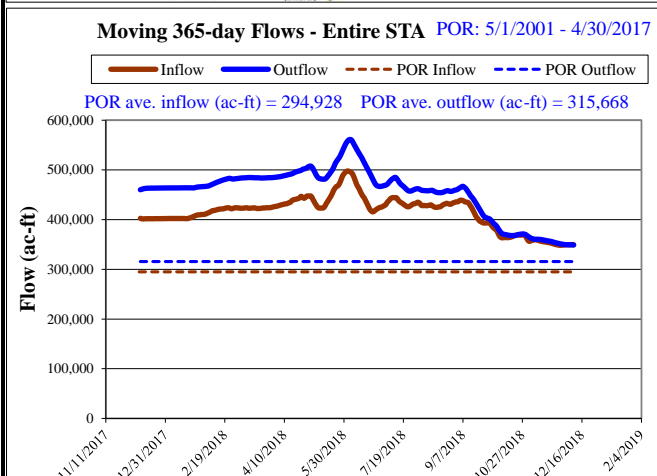
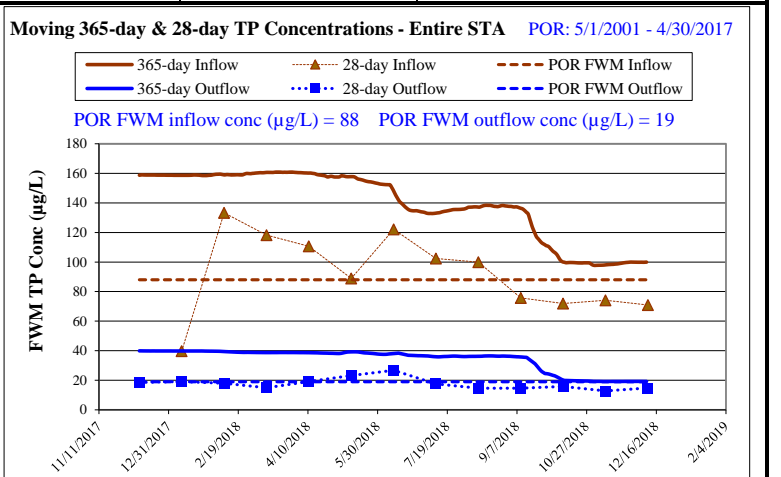
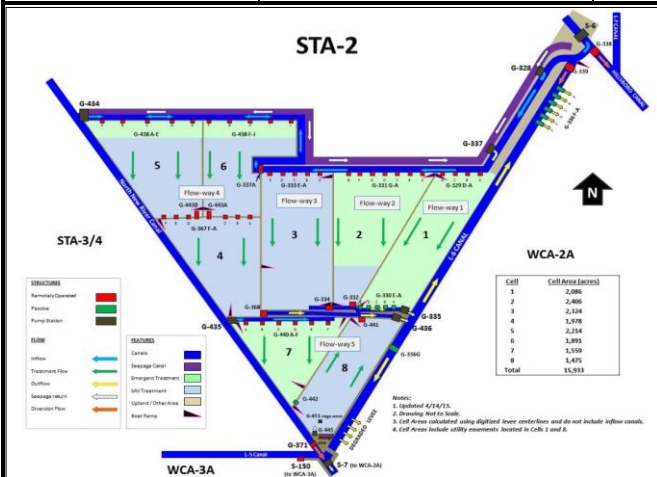
**LATEST DATA**

**12/9/2018**

WY2019 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 97	Outflow: 19	Entire STA	Flow-way 5	Flow-way 4	Flow-way 3	Flow-way 2	Flow-way 1
365-day Values	Inflow Volume (ac-ft)			348,075	32,934	146,768	10,362	82,191	85,992
	Inflow Load (kg)			43,012	2,609	18,748	1,395	11,287	9,152
	Inflow Flow-weighted Mean Conc (µg/L)			100	64	104	109	111	86
	Outflow Volume (ac-ft)			348,959	27,757	129,871	17,420	78,488	96,819
	Outflow Load (kg)			8,275	419	2,362	1,220	3,646	1,069
	Outflow Flow-weighted Mean Conc (µg/L)			19	12	15	57	38	9
<b>365-day load reduction (kg)</b>				<b>34,738</b>	<b>2,190</b>	<b>16,386</b>	<b>176</b>	<b>7,641</b>	<b>8,083</b>
28-day Values	Inflow Volume (ac-ft)			5,191	2,427	2,855	no flow	no flow	87
	Inflow Load (kg)			454	161	287	no flow	no flow	5
	Inflow Flow-weighted Mean Conc (µg/L)			71	54	82	no flow	no flow	47
	Outflow Volume (ac-ft)			4,107	1,093	1,504	no flow	no flow	310
	Outflow Load (kg)			75	18	33	no flow	no flow	4
	Outflow Flow-weighted Mean Conc (µg/L)			15	13	18	no flow	no flow	11
7-day Values	Inflow Volume (ac-ft)			1,180	705	699	no flow	no flow	-13
	Inflow Flow-weighted Mean Conc (µg/L)			74	52	84	no flow	no flow	27
	Outflow Volume (ac-ft)			478	306	no flow	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)			13	14	no flow	no flow	no flow	no flow
<b>365-day phosphorus loading rate (g/m<sup>2</sup>/yr)</b>				<b>0.7</b>	<b>0.2</b>	<b>0.8</b>	<b>0.2</b>	<b>1.2</b>	<b>1.2</b>
6-month trend in outflow TP concentration (- means decrease; µg/L)				-24	1	0	-17	-46	0

### 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



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-3/4**

**DATE 12/10/2018**

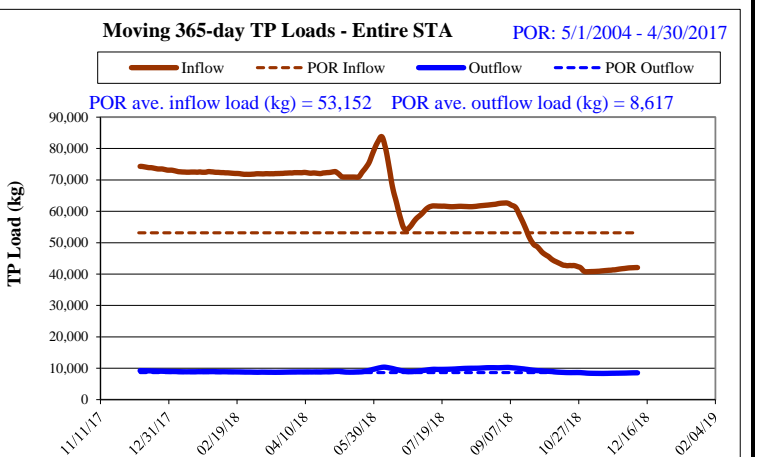
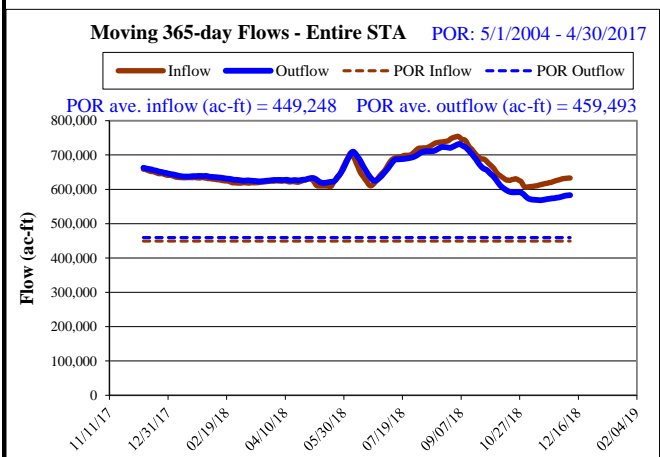
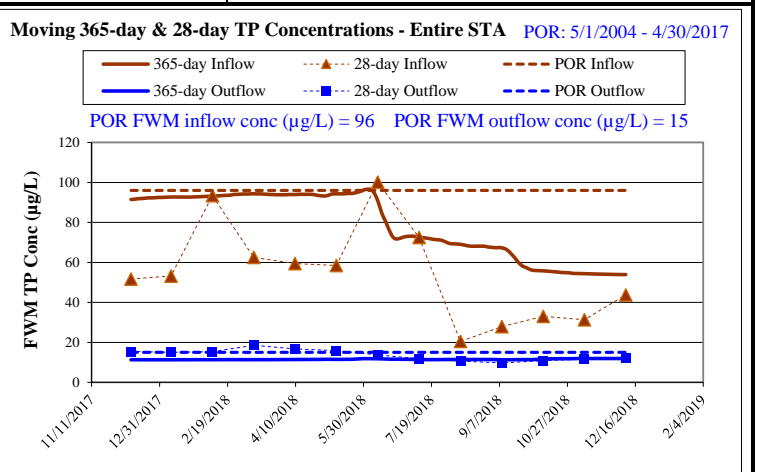
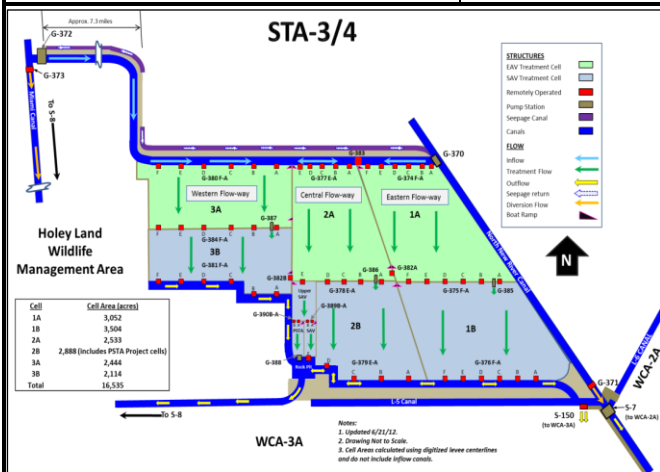
**LATEST DATA**

**12/9/2018**

WY2019 to Date Flow-weighted Mean Conc (µg/L)	Inflow: 53	Outflow: 12	Entire STA	W Flow-way	C Flow-way	E Flow-way	
365-day Values	Inflow Volume (ac-ft)		632,953	217,301	189,125	226,528	
	Inflow Load (kg)		42,084	16,302	11,237	14,545	
	Inflow Flow-weighted Mean Conc (µg/L)		54	61	48	52	
	Outflow Volume (ac-ft)		582,885	196,911	189,540	196,434	
	Outflow Load (kg)		8,551	3,254	2,580	2,717	
	Outflow Flow-weighted Mean Conc (µg/L)		12	13	11	11	
<b>365-day load reduction (kg)</b>			<b>33,533</b>	<b>13,049</b>	<b>8,656</b>	<b>11,828</b>	
28-day Values	Inflow Volume (ac-ft)		25,100	6,888	16,261	1,951	
	Inflow Load (kg)		1,355	356	905	95	
	Inflow Flow-weighted Mean Conc (µg/L)		44	42	45	39	
	Outflow Volume (ac-ft)		20,087	7,268	11,671	1,148	
	Outflow Load (kg)		307	113	171	22	
	Outflow Flow-weighted Mean Conc (µg/L)		12	13	12	15	
7-day Values	Inflow Volume (ac-ft)		2,903	1,736	1,119	48	
	Inflow Flow-weighted Mean Conc (µg/L)		45	42	51	43	
	Outflow Volume (ac-ft)		4,540	3,319	747	474	
	Outflow Flow-weighted Mean Conc (µg/L)		11	11	11	14	
	<b>365-day Phosphorus Loading Rate (g/m<sup>2</sup>/yr)</b>			<b>0.6</b>	<b>0.9</b>	<b>0.5</b>	<b>0.6</b>
	6-month trend in outflow TP concentration (- means decrease; µg/L)			0	-1	0	1

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

W Flow-way	C Flow-way	E Flow-way
On-line	On-line	On-line
Back to normal operations starting on Nov. 26, 2018.		



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## WEEKLY STA PERFORMANCE SUMMARY

**PROJECT STA-5/6**

**DATE 12/10/2018**

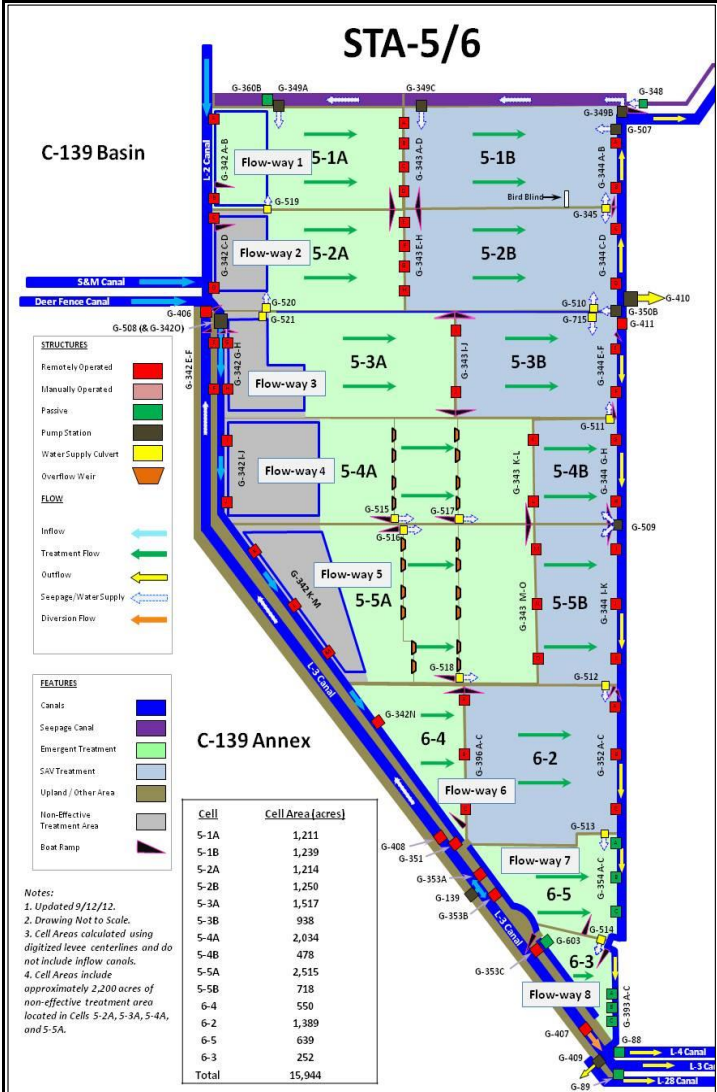
**LATEST DATA**

**12/2/2018**

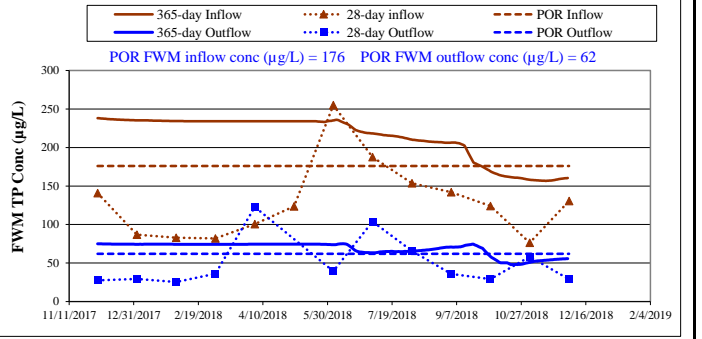
WY2019 to Date Flow-weighted Mean Conc (µg/L)		Inflow: 165	Outflow: 57	Entire STA	Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
365-day Values	Inflow Volume (ac-ft)	132,098	35,425	2,482	7,828	17,137	23,698	19,126	16,982	6,759		
	Inflow Load (kg)	26,132	5,657	668	2,058	2,930	4,287	5,154	2,114	783		
	Inflow Flow-weighted Mean Conc (µg/L)	160	129	218	213	139	147	218	101	94		
	Outflow Volume (ac-ft)	135,971	26,252	12,903	4,652	20,805	27,975	24,832	13,575	4,977		
	Outflow Load (kg)	9,334	822	760	254	1,527	2,433	2,246	835	457		
Outflow Flow-weighted Mean Conc (µg/L)	56	25	48	44	59	71	73	50	74			
<b>365-day load reduction (kg)</b>				<b>16,798</b>	<b>4,835</b>	<b>-93</b>	<b>1,805</b>	<b>1,403</b>	<b>1,853</b>	<b>2,908</b>	<b>1,279</b>	<b>327</b>
28-day Values	Inflow Volume (ac-ft)	2,329	2,268	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Inflow Load (kg)	375	364	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	131	130	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Outflow Volume (ac-ft)	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Outflow Load (kg)	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
7-day Values	Inflow Volume (ac-ft)	594	594	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	128	128	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Outflow Volume (ac-ft)	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
	<b>365-day phosphorus loading rate (g/m<sup>2</sup>/yr)</b>				<b>0.5</b>	<b>0.6</b>	<b>0.1</b>	<b>0.5</b>	<b>0.4</b>	<b>0.4</b>	<b>0.7</b>	<b>0.8</b>
<b>6-month trend in outflow TP concentration (- means decrease; µg/L)</b>				<b>-18</b>	<b>-15</b>	<b>-54</b>	<b>-6</b>	<b>15</b>	<b>-3</b>	<b>-104</b>	<b>-105</b>	<b>-156</b>
Inflows to Rotenberger over the last 365 days				12,613	TP Load (kg)	332	TP Conc (µg/L)	21				

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

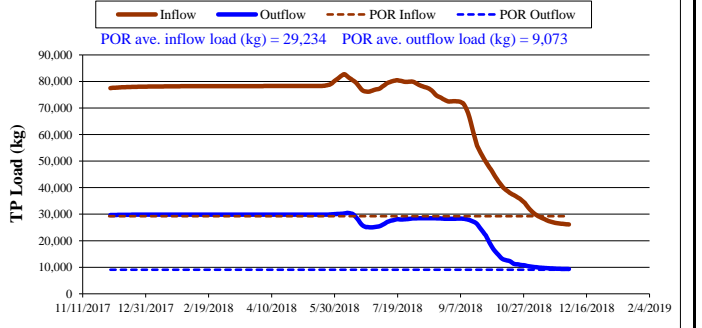
Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
On-line	Off-line	Off-line	On-line	On-line	On-line	On-line	On-line
	Offline for initiation of Restoration Strategies project to grade non-effective treatment area starting on 07/03/218	Offline for initiation of Restoration Strategies project to grade non-effective treatment area starting on 07/03/218	Back to normal operations starting on 11/20/2018.	Back to normal operations starting on 11/20/2018.	Back to normal operations starting on 11/20/2018.	Back to normal operations starting on 11/20/2018.	



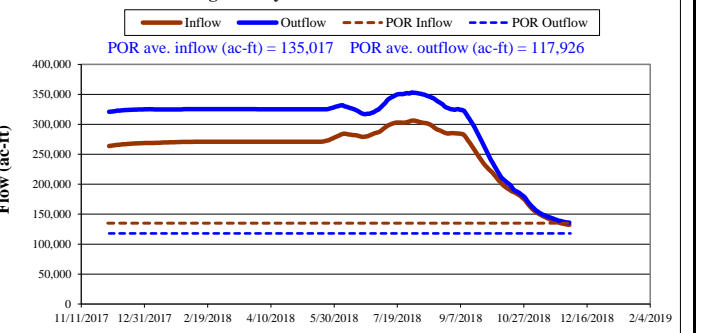
**Moving 365-day & 28-day TP Concentrations - Entire STA** POR: 5/1/2000 - 4/30/2017



**Moving 365-day TP Loads - Entire STA** POR: 5/1/2000 - 4/30/2017



**Moving 365-day Flows - Entire STA** POR: 5/1/2000 - 4/30/2017



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