WEEKLY STA PERFORMANCE SUMMARY

PROJECT STA-1E **DATE** 3/12/2024 **LATEST DATA** 03/10/2024

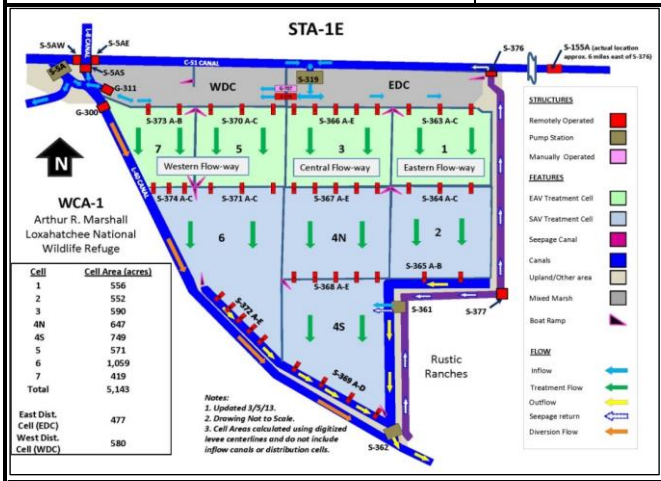
WY2024 to Date Flow-weighted Mean Conc (µg/L) Inflow: 105 Outflow: 22

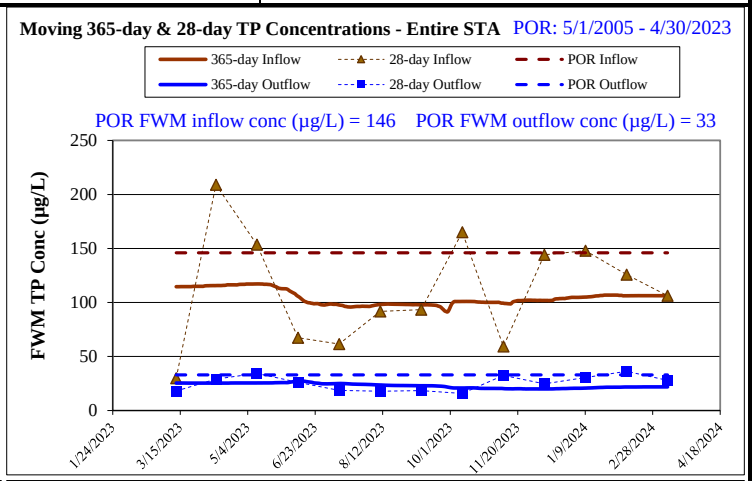
		Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)	144,865	no flow	72,989	60,715
	Inflow Load (kg)	19,002	N/A	9,321	4,881
	Inflow Flow-weighted Mean Conc (µg/L)	106	N/A	104	65
	Outflow Volume (ac-ft)	134,607	2,957	61,273	64,903
	Outflow Load (kg)	3,637	N/A	2,597	1,079
	Outflow Flow-weighted Mean Conc (µg/L)	22	N/A	34	13
365-day load reduction (kg)		15,365	no flow	6,724	3,802
28-day Values	Inflow Volume (ac-ft)	3,063	no flow	1,750	no flow
	Inflow Load (kg)	401	N/A	196	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	106	N/A	91	no flow
	Outflow Volume (ac-ft)	2,272	300	1,256	2,741
	Outflow Load (kg)	78	9	44	N/A
	Outflow Flow-weighted Mean Conc (µg/L)	28	24	28	N/A
7-day Values	Inflow Volume (ac-ft)	704	no flow	189	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	116	no flow	68	no flow
	Outflow Volume (ac-ft)	155	no flow	no flow	713
	Outflow Flow-weighted Mean Conc (µg/L)	23	no flow	no flow	N/A
365-day Phosphorus Loading Rate ($g/m^2/yr$)		1.6	N/A	1.3	N/A
6-month trend in outflow TP concentration (- means decrease; µg/L)		-1	no flow	-1	-3

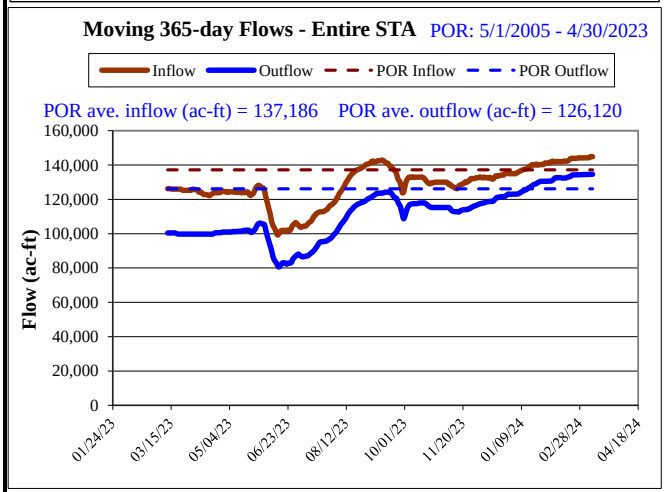
Redirected to STA-1 Inflow Basin for the last 365 days through G-311 Volume (ac-ft) 8,981 Load (kg) 1,143 Conc (µg/L) 103

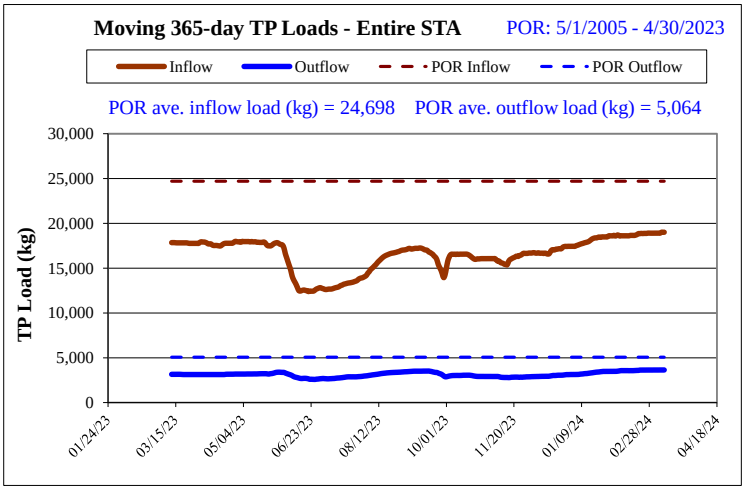
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	C Flow-way	E Flow-way
On-line	On-line	Off-line
On-line with restrictions for post-construction vegetation grow in starting on 12/27/2023.		Off-line for Cell 2 erosion repair effective 12/27/2023.









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WEEKLY STA PERFORMANCE SUMMARY

PROJECT STA-1W **DATE 3/12/2024** **LATEST DATA 3/10/2024**

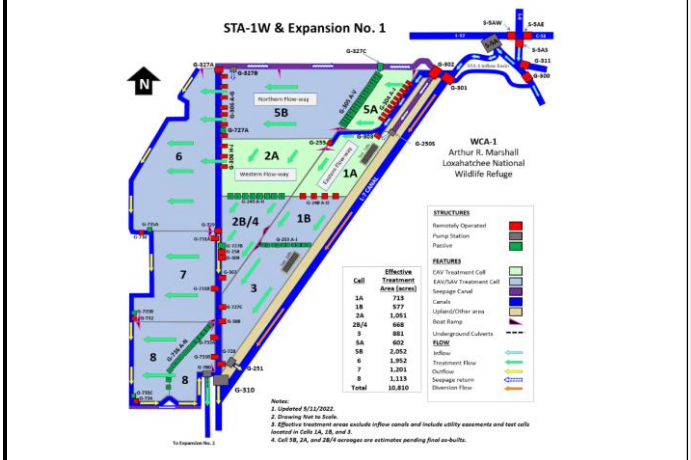
WY2024 to Date Flow-weighted Mean Conc (µg/L) Inflow: 123 Outflow: 18		Entire STA	W Flow-way	E Flow-way	N Flow-way	Cell 6	Cell 7+8
365-day Values	Inflow Volume (ac-ft)	192,319	55,522	156,700	11,671	115,044	107,430
	Inflow Load (kg)	29,489	7,650	19,923	2,213	3,404	3,324
	Inflow Flow-weighted Mean Conc (µg/L)	124	112	103	154	24	25
	Outflow Volume (ac-ft)	226,992	57,958	149,554	14,961	145,367	80,678
	Outflow Load (kg)	4,984	1,325	5,174	229	2,847	1,804
	Outflow Flow-weighted Mean Conc (µg/L)	18	19	28	12	16	18
365-day load reduction (kg)		24,506	6,325	14,748	1,984	557	1,519
28-day Values	Inflow Volume (ac-ft)	8,691	2,101	7,339	no flow	143	8,527
	Inflow Load (kg)	1,326	334	1,154	no flow	6	345
	Inflow Flow-weighted Mean Conc (µg/L)	124	129	127	no flow	35	33
	Outflow Volume (ac-ft)	7,879	1,934	6,735	no flow	4,129	3,953
	Outflow Load (kg)	183	53	297	no flow	97	113
	Outflow Flow-weighted Mean Conc (µg/L)	19	22	36	no flow	19	23
7-day Values	Inflow Volume (ac-ft)	2,368	447	1,919	no flow	no flow	3,059
	Inflow Flow-weighted Mean Conc (µg/L)	140	125	133	no flow	no flow	36
	Outflow Volume (ac-ft)	3,632	1,018	2,042	no flow	1,841	1,283
	Outflow Flow-weighted Mean Conc (µg/L)	19	24	42	no flow	23	28
365-day Phosphorus Loading Rate ($g/m^2/yr$)		0.7	1.1	2.3	0.1	0.7	0.7
6-month trend in outflow TP concentration (- means decrease; µg/L)		-1	0	1	-1	0	-2

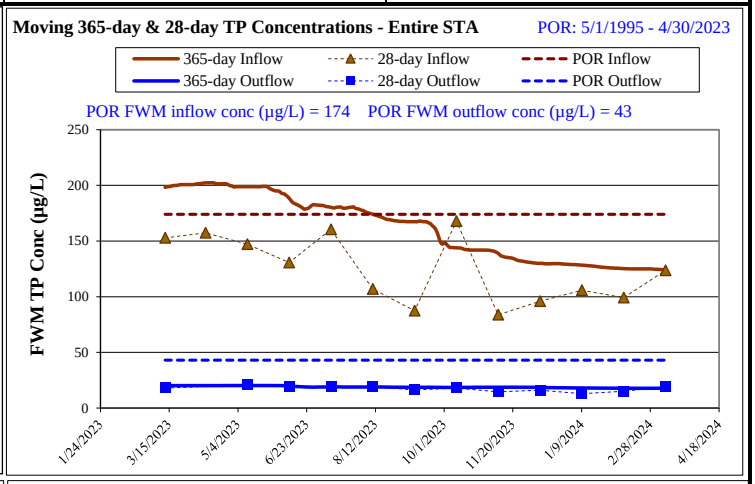
Redirection to STA-1E over the last 365 days Volume (ac-ft) 0 Load (kg) 0 Conc (µg/L) no flow

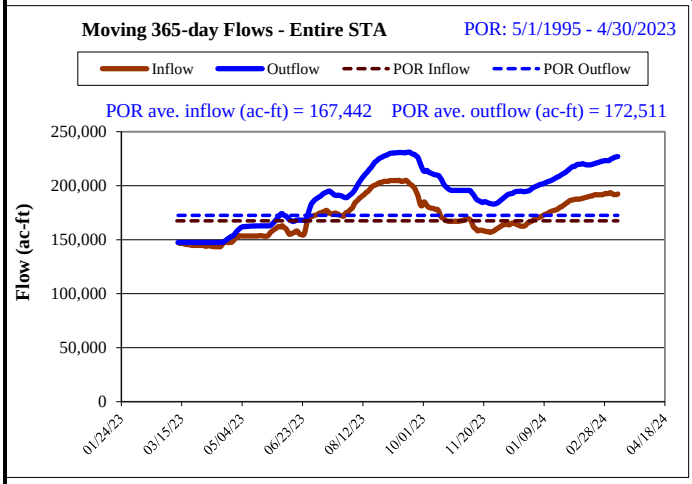
Redirection to S-5AS over the last 365 days Volume (ac-ft) 190,888 Load (kg) 29,483 Conc (µg/L) 125

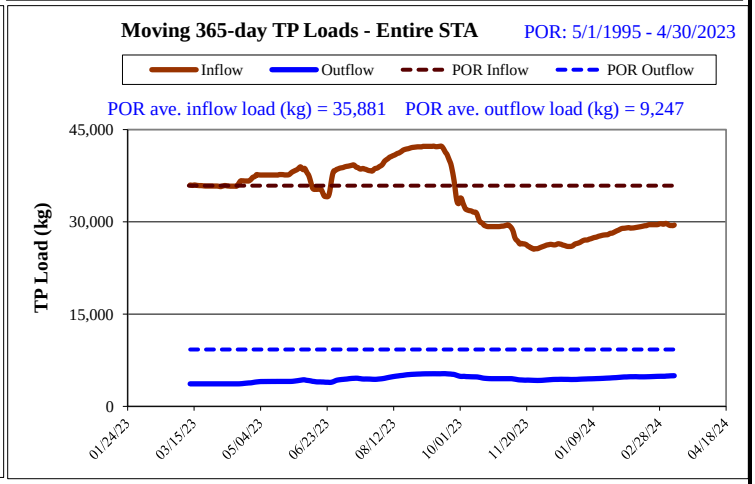
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	E Flow-way	N Flow-way	Cells 6, 7, and 8
On-line	On-line	On-line	On-line
		Online with restrictions for vegetation management activities effective 5/16/2022.	









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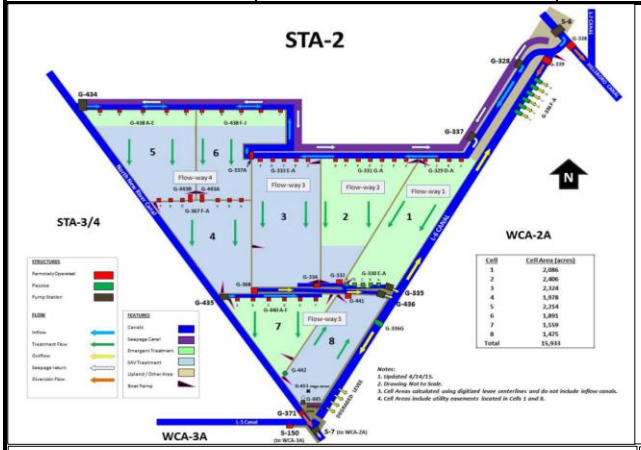
WEEKLY STA PERFORMANCE SUMMARY

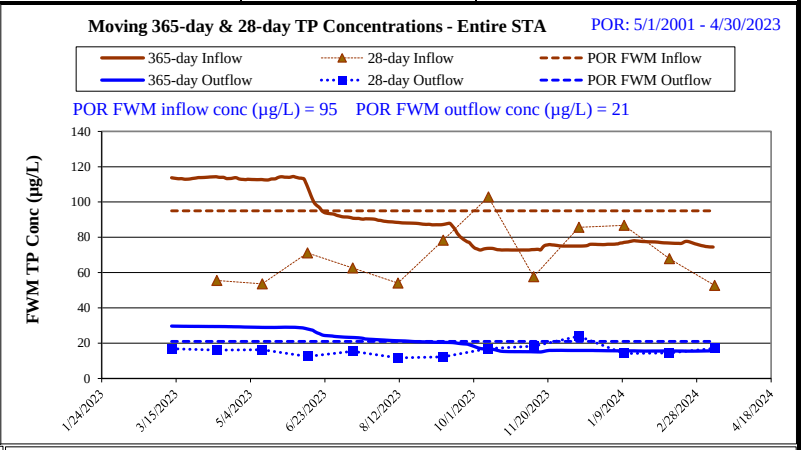
PROJECT STA-2 **DATE** 3/12/2024 **LATEST DATA** 3/10/2024

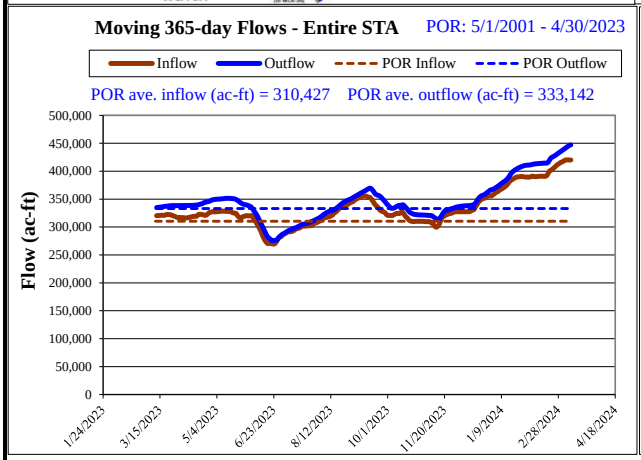
WY2024 to Date Flow-weighted Mean Conc (µg/L) Inflow: 76 Outflow: 16		Entire STA	Flow-way 5	Flow-way 4	Flow-way 3	Flow-way 2	Flow-way 1
365-day Values	Inflow Volume (ac-ft)	419,300	42,346	172,423	77,477	84,511	81,753
	Inflow Load (kg)	38,564	2,162	15,367	7,162	8,246	9,120
	Inflow Flow-weighted Mean Conc (µg/L)	75	41	72	75	79	90
	Outflow Volume (ac-ft)	447,152	40,445	146,610	90,633	93,087	105,563
	Outflow Load (kg)	8,657	516	1,710	2,571	2,257	1,379
	Outflow Flow-weighted Mean Conc (µg/L)	16	10	9	23	20	11
365-day load reduction (kg)		29,907	1,647	13,657	4,591	5,989	7,741
28-day Values	Inflow Volume (ac-ft)	38,449	2,164	11,527	5,978	18,326	4,668
	Inflow Load (kg)	2,502	56	403	545	1,313	440
	Inflow Flow-weighted Mean Conc (µg/L)	53	21	28	74	58	76
	Outflow Volume (ac-ft)	40,808	2,478	9,164	7,049	17,546	7,866
	Outflow Load (kg)	861	39	148	191	471	82
	Outflow Flow-weighted Mean Conc (µg/L)	17	13	13	22	22	8
7-day Values	Inflow Volume (ac-ft)	6,883	1,656	1,156	1,479	3,175	226
	Inflow Flow-weighted Mean Conc (µg/L)	30	21	32	25	22	39
	Outflow Volume (ac-ft)	10,806	559	3,274	2,875	4,557	555
	Outflow Flow-weighted Mean Conc (µg/L)	20	24	13	25	21	12
365-day phosphorus loading rate ($g/m^2/yr$)		0.7	0.2	0.6	0.8	1.5	1.2
6-month trend in outflow TP concentration (- means decrease; µg/L)		-11	0	-1	-28	-22	-5

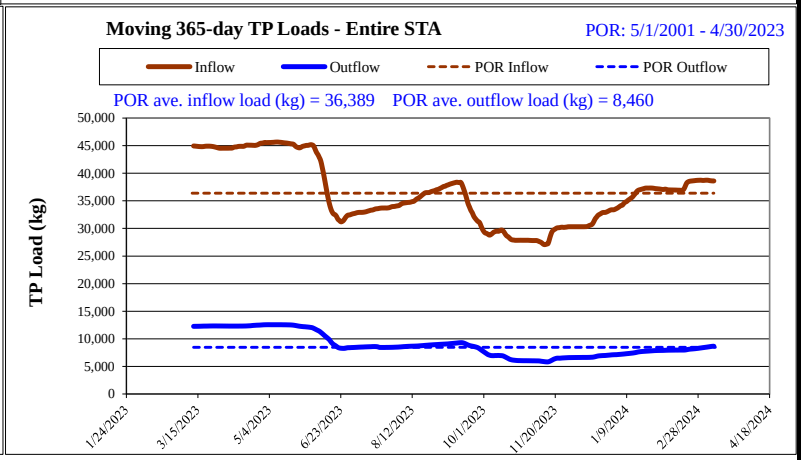
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

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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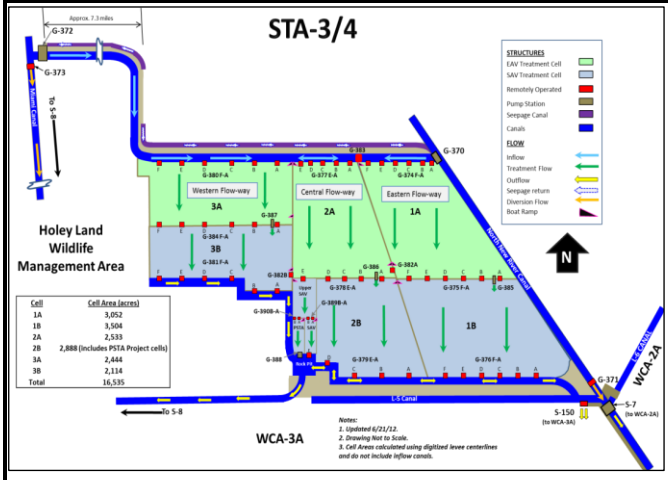
WEEKLY STA PERFORMANCE SUMMARY

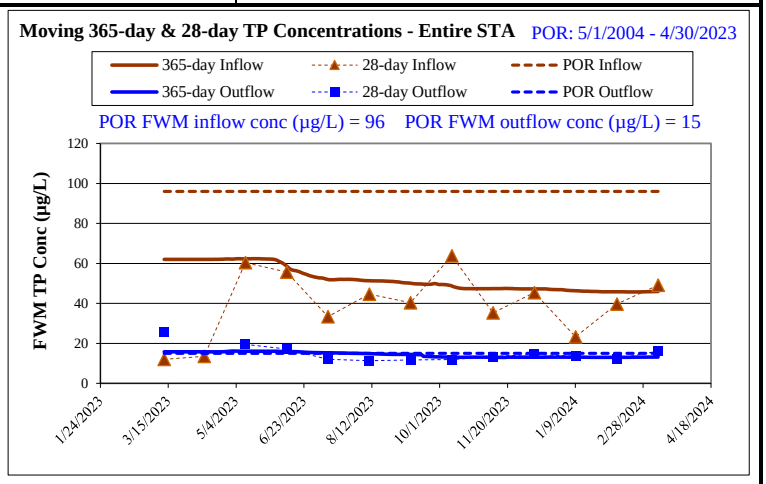
PROJECT STA-3/4 **DATE 3/12/2024** **LATEST DATA 3/10/2024**

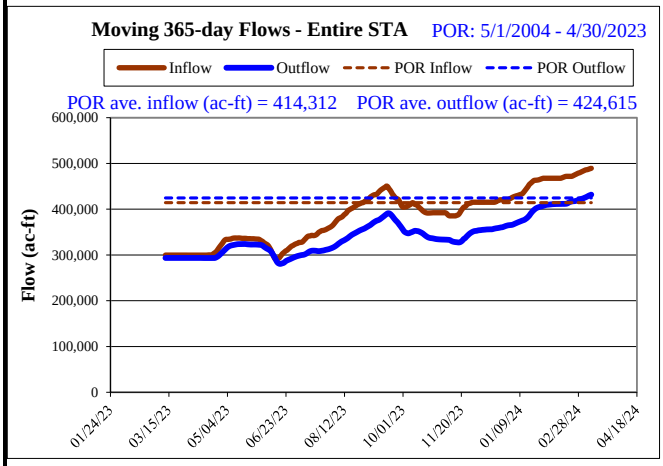
WY2024 to Date Flow-weighted Mean Conc (µg/L) Inflow: 63 Outflow: 13		Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)	489,404	210,362	265,904	13,137
	Inflow Load (kg)	43,540	12,956	14,200	576
	Inflow Flow-weighted Mean Conc (µg/L)	72	50	43	36
	Outflow Volume (ac-ft)	431,823	191,704	211,808	28,311
	Outflow Load (kg)	7,003	3,286	3,046	671
	Outflow Flow-weighted Mean Conc (µg/L)	13	14	12	19
365-day load reduction (kg)		36,537	9,670	11,155	-96
28-day Values	Inflow Volume (ac-ft)	21,832	7,357	7,704	6,770
	Inflow Load (kg)	1,943	451	486	386
	Inflow Flow-weighted Mean Conc (µg/L)	72	50	51	46
	Outflow Volume (ac-ft)	20,950	8,194	5,749	7,007
	Outflow Load (kg)	415	170	110	135
	Outflow Flow-weighted Mean Conc (µg/L)	16	17	16	16
7-day Values	Inflow Volume (ac-ft)	6,052	2,476	2,524	1,052
	Inflow Flow-weighted Mean Conc (µg/L)	65	53	56	50
	Outflow Volume (ac-ft)	8,189	3,185	2,352	2,652
	Outflow Flow-weighted Mean Conc (µg/L)	15	15	16	13
365-day Phosphorus Loading Rate ($g/m^2/yr$)		0.8	0.7	0.7	N/A
6-month trend in outflow TP concentration (- means decrease; µg/L)		-1	-3	0	-3

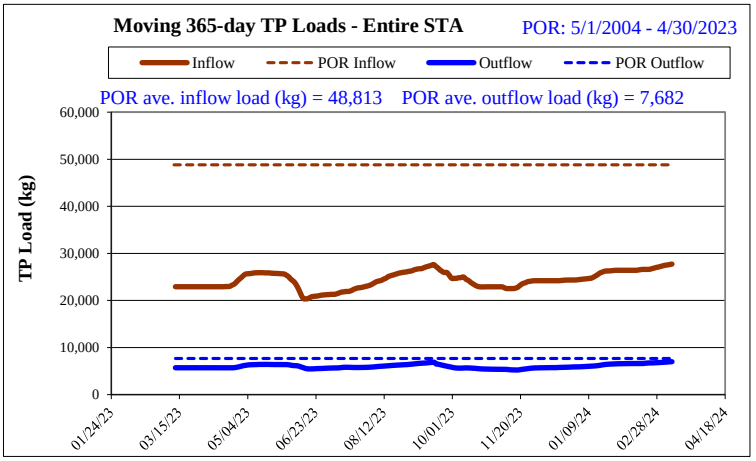
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

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

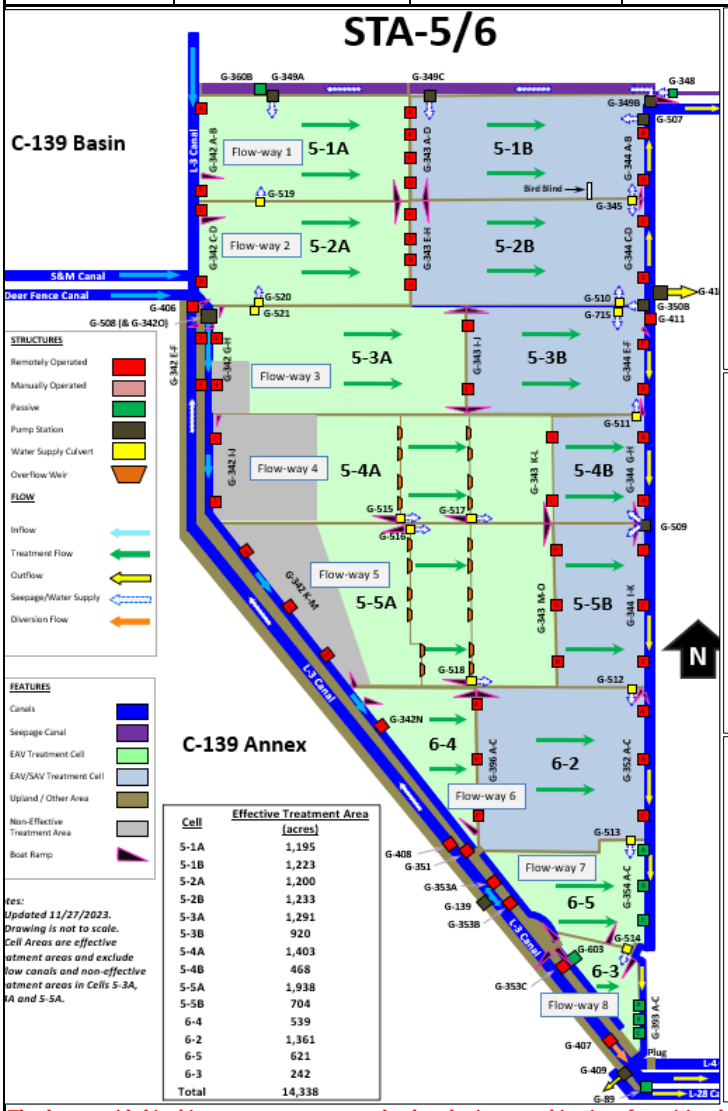
PROJECT STA-5/6 **DATE 3/12/2024** **LATEST DATA 3/10/2024**

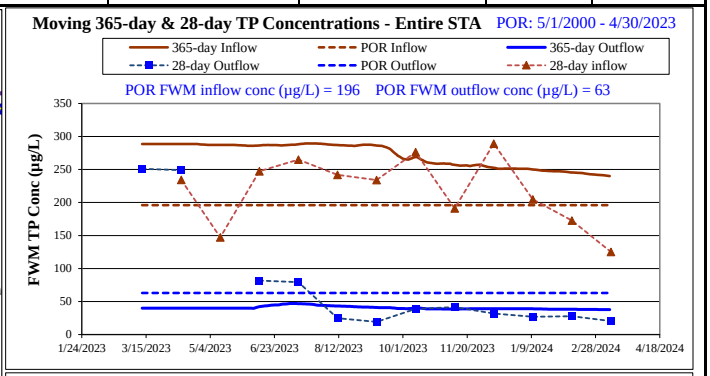
WY2024 to Date Flow-weighted Mean Conc (µg/L) Inflow: 241 Outflow: 38		Entire STA	Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
365-day Values	Inflow Volume (ac-ft)	202,644	23,556	53,066	42,186	11,992	47,322	26,796	4,614	2,110
	Inflow Load (kg)	60,013	5,195	12,979	14,697	3,800	13,132	4,889	982	304
	Inflow Flow-weighted Mean Conc (µg/L)	240	179	198	282	257	225	148	173	117
	Outflow Volume (ac-ft)	215,447	22,162	56,660	58,940	16,620	52,286	1,538	5,307	1,935
	Outflow Load (kg)	10,036	432	1,108	3,089	1,204	3,728	130	285	60
	Outflow Flow-weighted Mean Conc (µg/L)	38	16	16	42	59	58	68	44	25
365-day load reduction (kg)		49,976	4,763	11,871	11,608	2,596	9,404	4,759	697	243
28-day Values	Inflow Volume (ac-ft)	8,873	1,021	2,913	no flow	70	2,223	12,807	no flow	no flow
	Inflow Load (kg)	1,369	114	433	no flow	7	418	2,053	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	125	91	120	no flow	83	153	130	no flow	no flow
	Outflow Volume (ac-ft)	5,573	89	2,195	613	391	2,285	no flow	no flow	no flow
	Outflow Load (kg)	141	2	41	20	13	64	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)	20	20	15	27	27	23	no flow	no flow	no flow
7-day Values	Inflow Volume (ac-ft)	2,342	1,021	1,321	no flow	no flow	no flow	1,843	no flow	no flow
	Inflow Flow-weighted Mean Conc (µg/L)	106	91	118	no flow	no flow	no flow	111	no flow	no flow
	Outflow Volume (ac-ft)	1,601	34	1,094	114	111	248	no flow	no flow	no flow
	Outflow Flow-weighted Mean Conc (µg/L)	19	15	15	28	22	30	no flow	no flow	no flow
365-day phosphorus loading rate ($g/m^2/yr$)		1.0	0.5	1.3	1.6	0.5	1.2	0.6	0.4	0.3
6-month trend in outflow TP concentration (- means decrease; µg/L)		-3	0	-2	-2	7	-4	16	1	-11

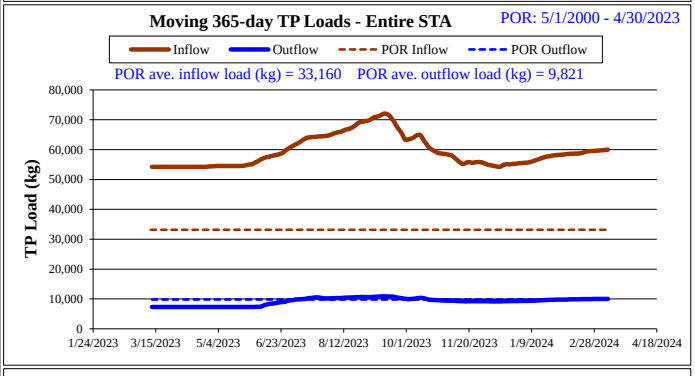
Inflows to Rotenberger over the last 365 days Volume (ac-ft) 48 TP Load (kg) 4 TP Conc (µg/L) 68

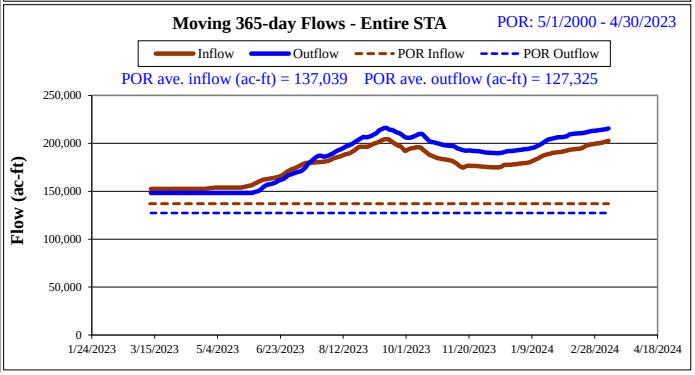
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

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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