WEEKLY STA PERFORMANCE SUMMARY

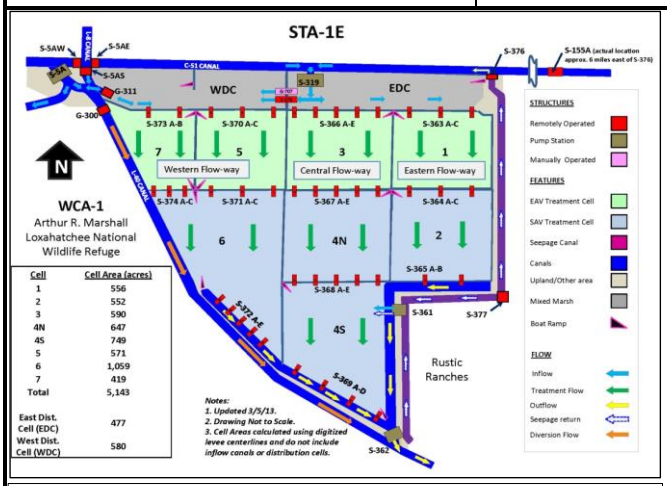
PROJECT STA-1E **DATE** 9/15/2014 **LATEST DATA** 09/14/2014

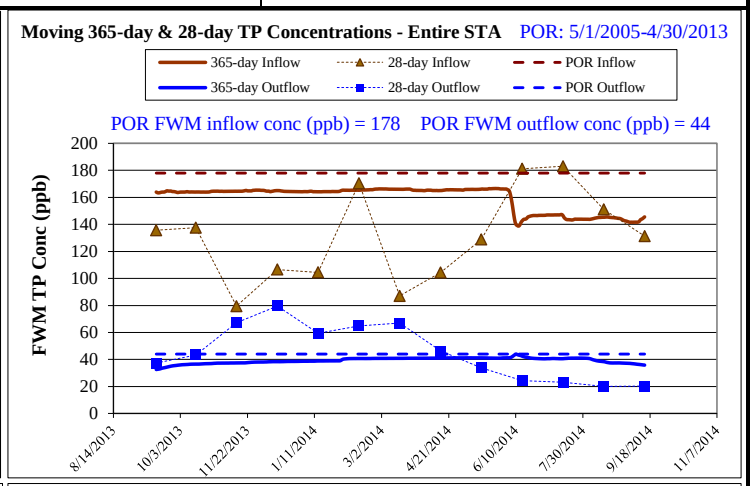
		Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)	92,456	57,465	29,925	2,406
	Inflow Load (kg)	16,600	8,045	2,298	147
	Inflow Flow-weighted Mean Conc (ppb)	146	113	62	50
	Outflow Volume (ac-ft)	88,894	61,560	22,708	22
	Outflow Load (kg)	3,927	2,872	1,701	1
	Outflow Flow-weighted Mean Conc (ppb)	36	38	61	19
365-day load reduction (kg)		12,673	5,172	597	147
28-day Values	Inflow Volume (ac-ft)	11,935	4,532	9,323	837
	Inflow Load (kg)	1,934	670	784	52
	Inflow Flow-weighted Mean Conc (ppb)	131	120	68	50
	Outflow Volume (ac-ft)	10,507	5,414	4,682	no flow
	Outflow Load (kg)	262	188	127	no flow
	Outflow Flow-weighted Mean Conc (ppb)	20	28	22	no flow
7-day Values	Inflow Volume (ac-ft)	3,614	87	3,579	209
	Inflow Flow-weighted Mean Conc (ppb)	136	110	68	50
	Outflow Volume (ac-ft)	3,093	330	2,828	no flow
	Outflow Flow-weighted Mean Conc (ppb)	20	29	20	no flow
365-day Phosphorus Loading Rate ($g/m^2/yr$)		1.0	1.0	0.3	off-line
6-month trend in outflow TP concentration (- means decrease; ppb)		-5	-11	1	-9

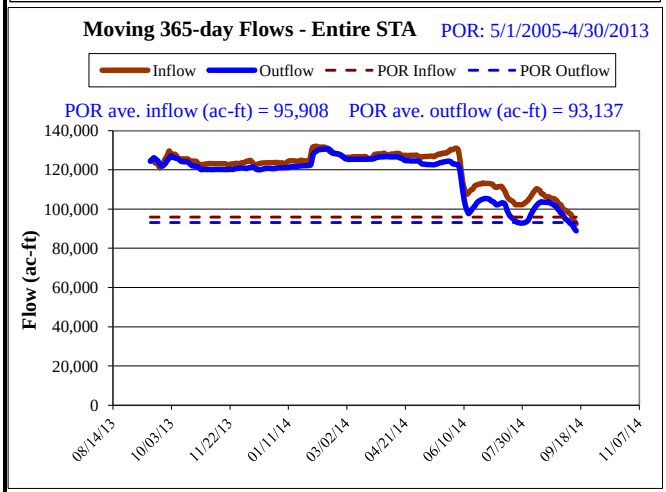
Redirected to STA-1 Inflow Basin for the last 365 days through G-311 Volume (ac-ft) no flow Load (kg) no flow Conc (ppb) no flow

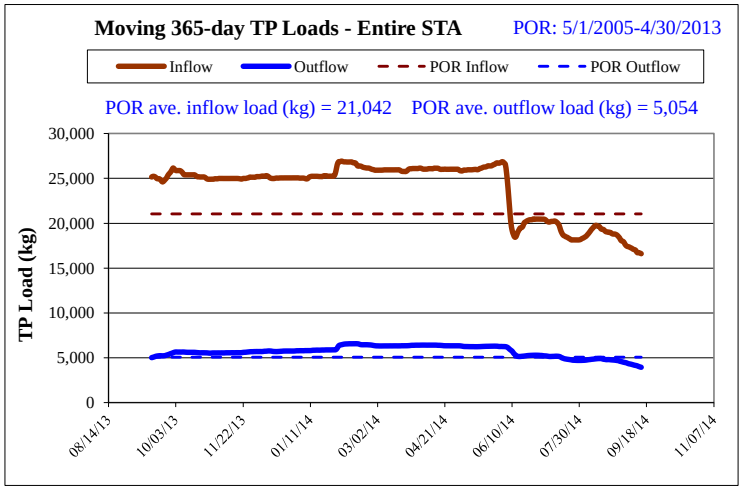
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	C Flow-way	E Flow-way
On-line	On-line	Off-line
Online with restrictions. S-372E is offline for repair by USACE.	Online with restrictions. S-366D, S-367C, S-368D, and S-369D are offline for repair by USACE.	Offline for vegetation grow-in.









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WEEKLY STA PERFORMANCE SUMMARY

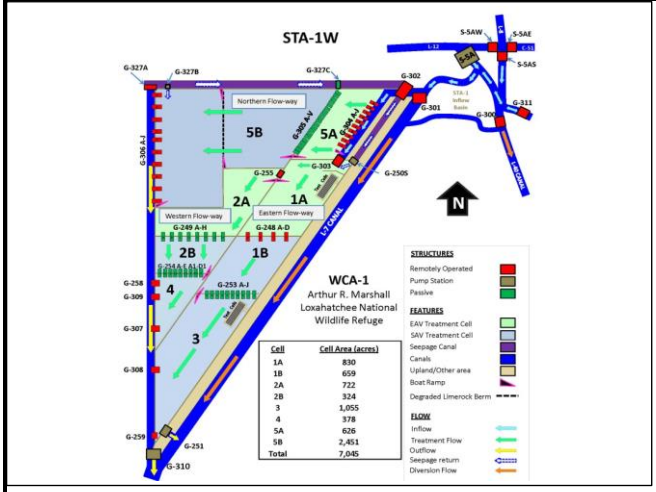
PROJECT STA-1W **DATE 9/15/2014** **LATEST DATA 9/14/2014**

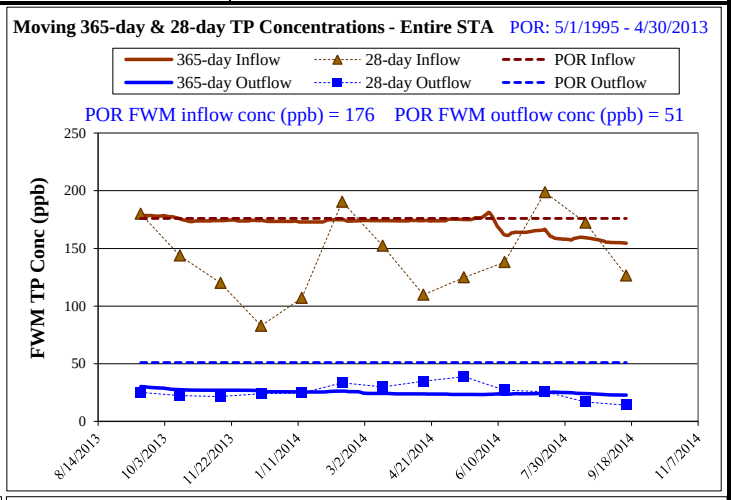
		Entire STA	W Flow-way	E Flow-way	N Flow-way
365-day Values	Inflow Volume (ac-ft)	191,514	47,329	62,224	89,234
	Inflow Load (kg)	36,507	7,667	11,960	17,637
	Inflow Flow-weighted Mean Conc (ppb)	155	131	156	160
	Outflow Volume (ac-ft)	189,047	38,773	67,448	99,326
	Outflow Load (kg)	5,319	1,161	1,563	2,333
	Outflow Flow-weighted Mean Conc (ppb)	23	24	19	19
365-day load reduction (kg)		31,188	6,506	10,397	15,304
28-day Values	Inflow Volume (ac-ft)	20,474	3,737	6,086	10,424
	Inflow Load (kg)	3,191	646	976	1,607
	Inflow Flow-weighted Mean Conc (ppb)	126	140	130	125
	Outflow Volume (ac-ft)	22,496	3,940	9,299	11,012
	Outflow Load (kg)	392	75	146	179
	Outflow Flow-weighted Mean Conc (ppb)	14	16	13	13
7-day Values	Inflow Volume (ac-ft)	1,813	no flow	no flow	1,210
	Inflow Flow-weighted Mean Conc (ppb)	100	no flow	no flow	101
	Outflow Volume (ac-ft)	2,403	264	638	1,858
	Outflow Flow-weighted Mean Conc (ppb)	15	16	12	13
365-day Phosphorus Loading Rate ($g/m^2/yr$)		1.4	1.4	1.4	1.5
6-month trend in outflow TP concentration (- means decrease; ppb)		-1	-3	0	-2

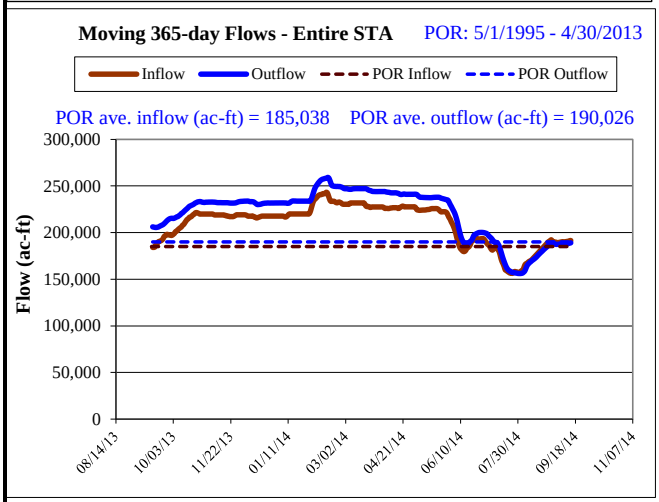
Redirection to STA-1E over the last 365 days	Volume (ac-ft)	61,253	Load (kg)	12,434	Conc (ppb)	165
Redirection to S-5AS over the last 365 days	Volume (ac-ft)	111,891	Load (kg)	19,883	Conc (ppb)	144

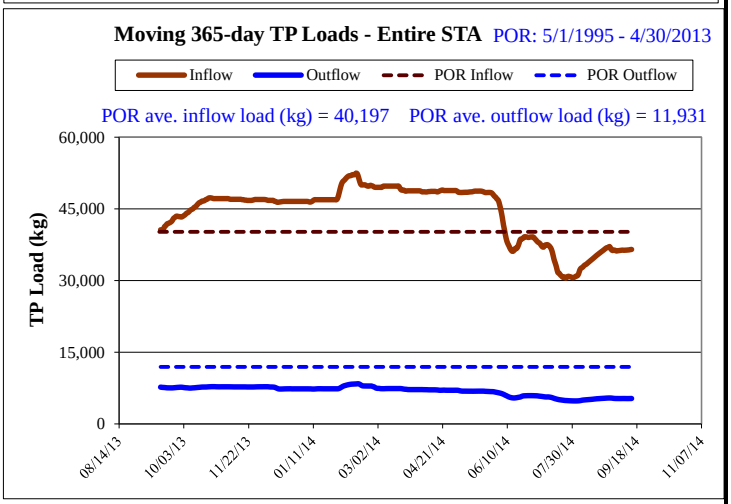
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	E Flow-way	N Flow-way
On-line	On-line	On-line









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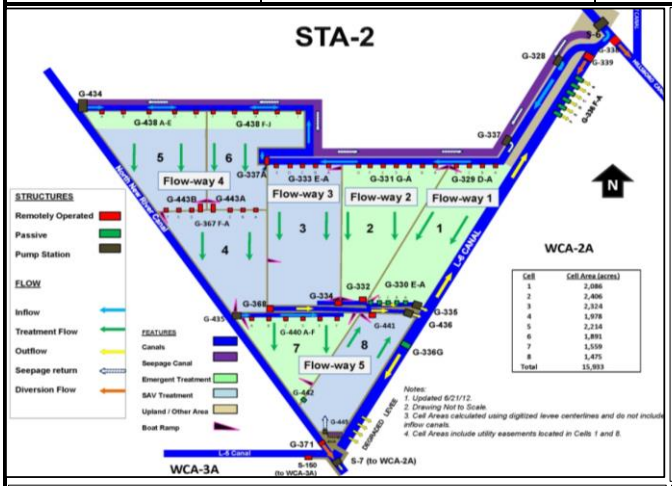
WEEKLY STA PERFORMANCE SUMMARY

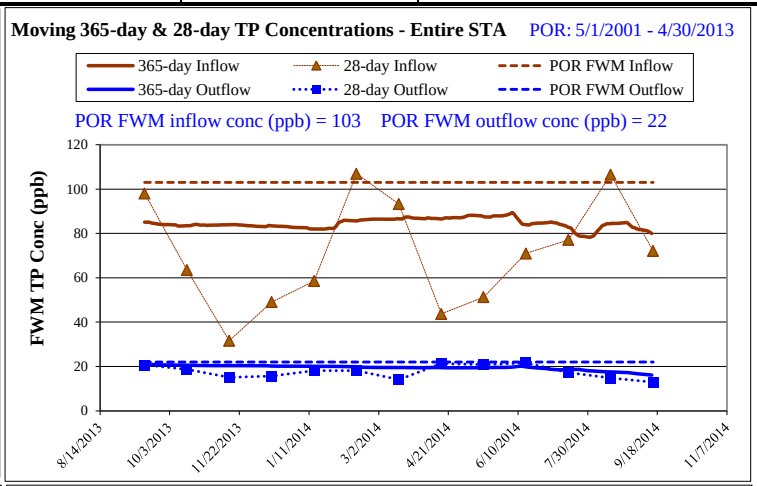
PROJECT STA-2 **DATE** 9/15/2014 **LATEST DATA** 9/14/2014

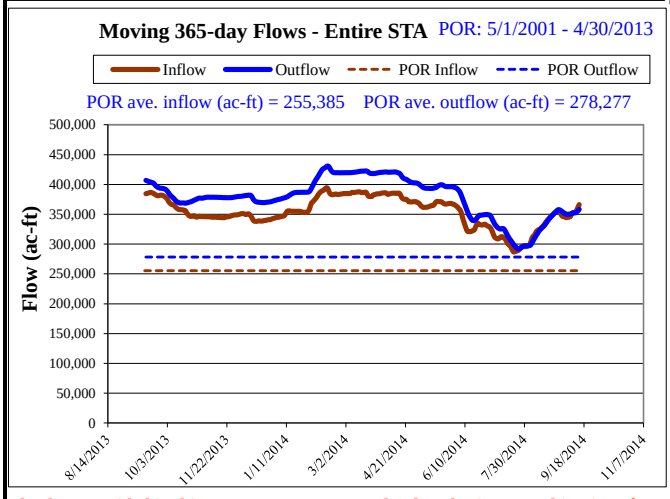
		Entire STA	Flow-way 5	Flow-way 4	Flow-way 3	Flow-way 2	Flow-way 1
365-day Values	Inflow Volume (ac-ft)	365,379	5,052	131,159	77,670	103,725	76,108
	Inflow Load (kg)	36,035	143	10,820	7,623	10,327	8,097
	Inflow Flow-weighted Mean Conc (ppb)	80	23	67	80	81	86
	Outflow Volume (ac-ft)	358,186	5,829	108,431	99,410	99,208	60,564
	Outflow Load (kg)	7,118	136	2,245	2,036	2,162	529
	Outflow Flow-weighted Mean Conc (ppb)	16	19	17	17	18	7
365-day load reduction (kg)		28,917	7	8,575	5,587	8,165	7,568
28-day Values	Inflow Volume (ac-ft)	78,792	3,690	15,341	21,561	18,716	21,539
	Inflow Load (kg)	7,005	87	1,079	2,916	2,384	2,717
	Inflow Flow-weighted Mean Conc (ppb)	72	19	57	110	103	102
	Outflow Volume (ac-ft)	72,721	2,709	14,444	24,481	20,430	17,588
	Outflow Load (kg)	1,156	65	210	349	367	125
	Outflow Flow-weighted Mean Conc (ppb)	13	19	12	12	15	6
7-day Values	Inflow Volume (ac-ft)	31,000	1,029	6,952	7,634	8,968	6,462
	Inflow Flow-weighted Mean Conc (ppb)	60	15	48	103	97	98
	Outflow Volume (ac-ft)	21,461	486	2,917	8,100	7,838	6,643
	Outflow Flow-weighted Mean Conc (ppb)	12	17	11	11	14	5
365-day phosphorus loading rate ($g/m^2/yr$)		0.7	0.0	0.4	0.8	1.1	1.1
6-month trend in outflow TP concentration (- means decrease; ppb)		-3	-10	-3	0	-4	-1

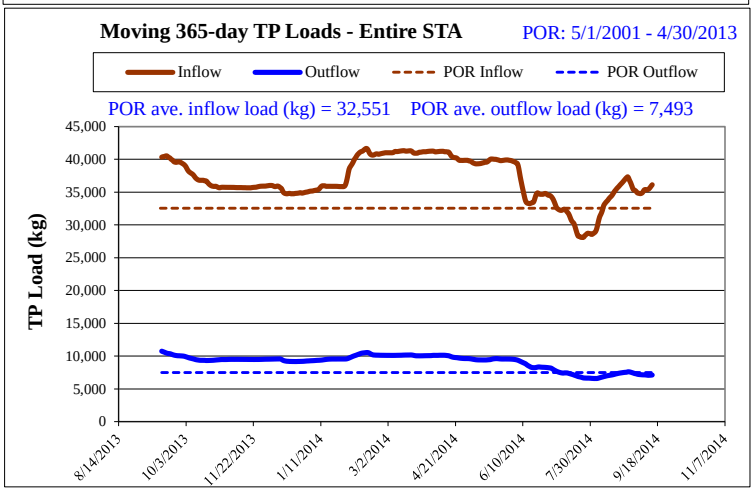
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

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
Back online starting from August 6, 2014.				









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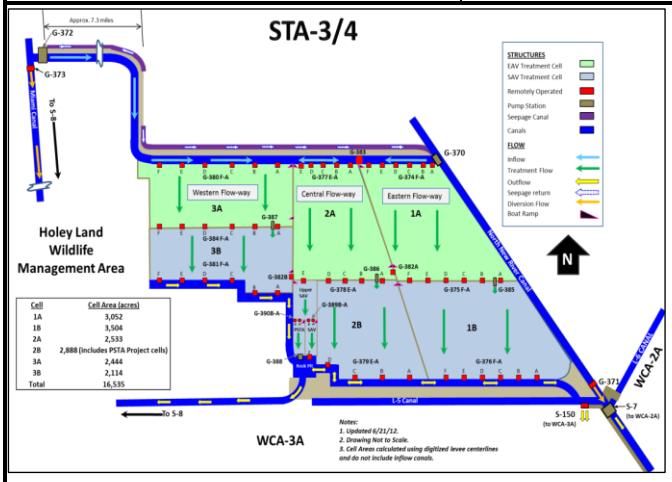
WEEKLY STA PERFORMANCE SUMMARY

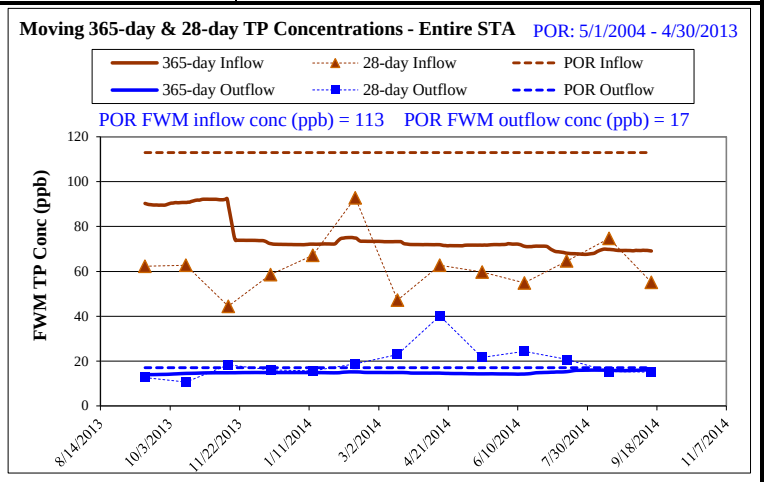
PROJECT STA-3/4 **DATE** 9/15/2014 **LATEST DATA** 9/14/2014

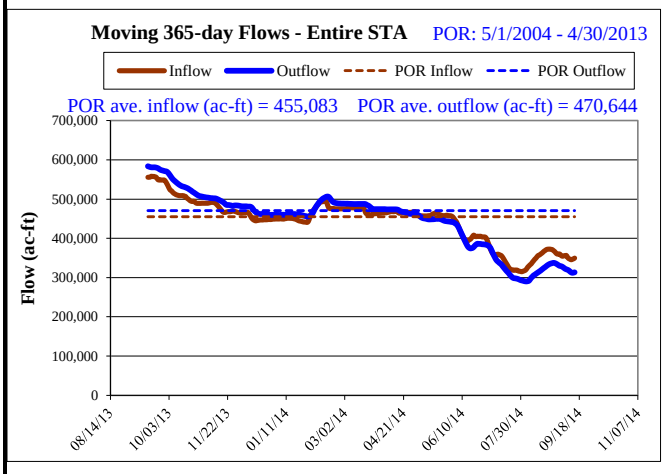
		Entire STA	W Flow-way	C Flow-way	E Flow-way
365-day Values	Inflow Volume (ac-ft)	349,627	169,416	80,403	100,166
	Inflow Load (kg)	29,793	9,286	5,042	5,939
	Inflow Flow-weighted Mean Conc (ppb)	69	44	51	48
	Outflow Volume (ac-ft)	313,379	146,604	71,590	95,185
	Outflow Load (kg)	6,258	2,348	1,953	1,957
	Outflow Flow-weighted Mean Conc (ppb)	16	13	22	17
365-day load reduction (kg)		23,535	6,938	3,089	3,982
28-day Values	Inflow Volume (ac-ft)	41,903	16,677	8,393	18,867
	Inflow Load (kg)	2,848	963	509	1,149
	Inflow Flow-weighted Mean Conc (ppb)	55	47	49	49
	Outflow Volume (ac-ft)	43,578	16,289	8,315	18,974
	Outflow Load (kg)	807	207	231	369
	Outflow Flow-weighted Mean Conc (ppb)	15	10	23	16
7-day Values	Inflow Volume (ac-ft)	16,493	4,904	4,489	7,352
	Inflow Flow-weighted Mean Conc (ppb)	52	46	48	43
	Outflow Volume (ac-ft)	15,331	4,472	4,276	6,583
	Outflow Flow-weighted Mean Conc (ppb)	16	9	21	17
365-day Phosphorus Loading Rate ($g/m^2/yr$)		0.5	0.5	0.2	0.2
6-month trend in outflow TP concentration (- means decrease; ppb)		1	0	-1	3

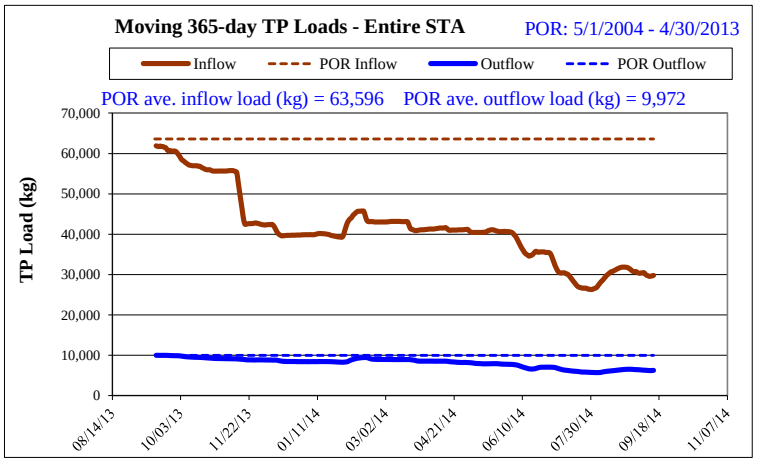
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

W Flow-way	C Flow-way	E Flow-way
On-line	On-line	On-line









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WEEKLY STA PERFORMANCE SUMMARY

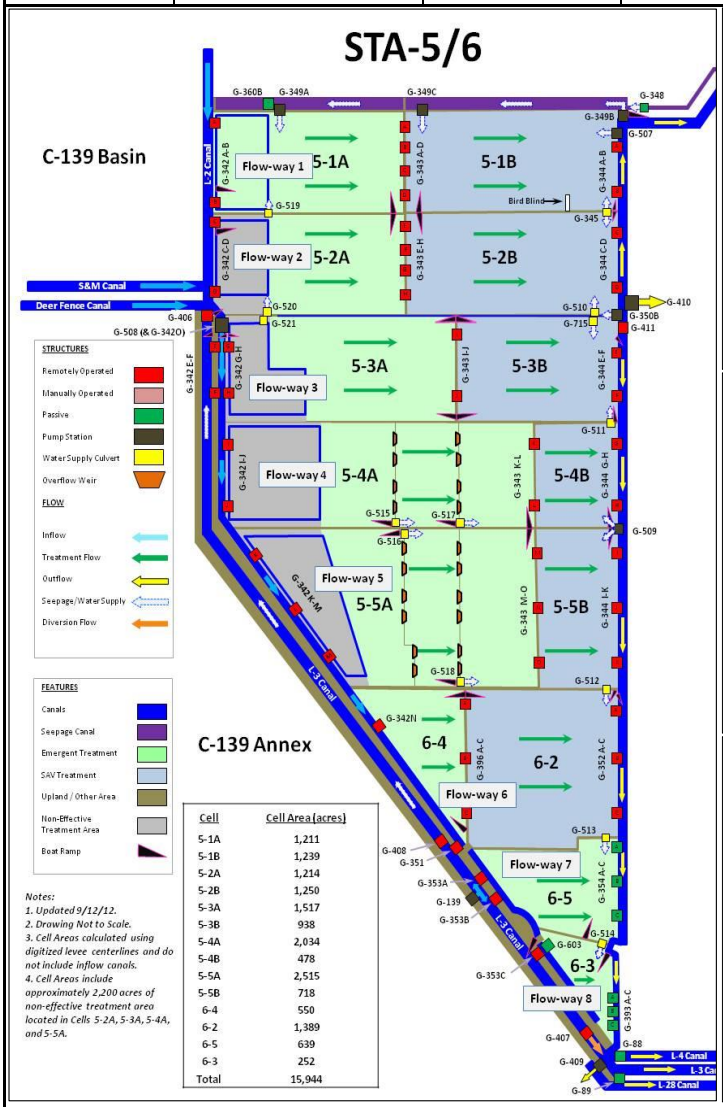
PROJECT STA-5/6 **DATE 9/15/2014** **LATEST DATA 9/14/2014**

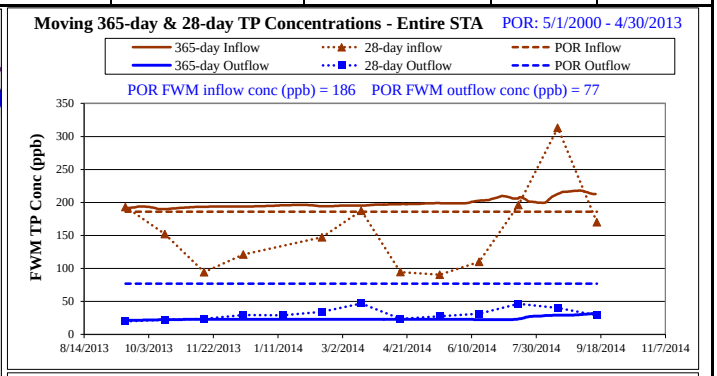
		Entire STA	Flow-way 1	Flow-way 2	Flow-way 3	Flow-way 4	Flow-way 5	Flow-way 6	Flow-way 7	Flow-way 8
365-day Values	Inflow Volume (ac-ft)	68,779	16,870	15,670	9,100	7,073	1,863	12,174	4,390	1,779
	Inflow Load (kg)	18,040	3,829	4,697	2,373	2,507	852	2,294	878	194
	Inflow Flow-weighted Mean Conc (ppb)	213	184	243	211	287	371	153	162	88
	Outflow Volume (ac-ft)	70,009	13,400	17,771	5,426	8,340	3,624	16,293	3,361	1,794
	Outflow Load (kg)	2,766	438	440	226	315	133	741	390	83
	Outflow Flow-weighted Mean Conc (ppb)	32	27	20	34	31	30	37	94	37
365-day load reduction (kg)		15,274	3,391	4,257	2,147	2,192	719	1,553	488	111
28-day Values	Inflow Volume (ac-ft)	11,227	2,841	1,780	4,043	555	298	1,532	823	186
	Inflow Load (kg)	2,354	482	382	1,059	139	89	293	155	28
	Inflow Flow-weighted Mean Conc (ppb)	170	137	174	212	204	241	155	152	122
	Outflow Volume (ac-ft)	9,306	1,680	2,248	2,832	799	725	325	528	168
	Outflow Load (kg)	334.2	55	56	125	31	26	15	21	6
	Outflow Flow-weighted Mean Conc (ppb)	29	27	20	36	31	29	37	32	27
7-day Values	Inflow Volume (ac-ft)	3,469	1,070	921	1,701	297	140	379	no flow	no flow
	Inflow Flow-weighted Mean Conc (ppb)	135	103	180	168	160	237	135	no flow	no flow
	Outflow Volume (ac-ft)	4,226	1,156	1,219	1,913	422	431	N/A	no flow	no flow
	Outflow Flow-weighted Mean Conc (ppb)	28	26	19	37	32	28	N/A	no flow	no flow
365-day phosphorus loading rate ($g/m^2/yr$)		0.3	0.4	0.6	0.3	0.3	0.1	0.3	0.3	0.2
6-month trend in outflow TP concentration (- means decrease; ppb)		9	11	2	0	2	1	-84	87	8

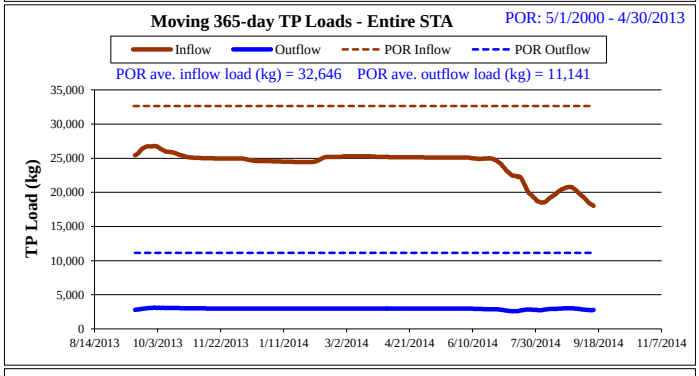
Inflows to Rotenberger over the last 365 days Volume (ac-ft) 18,047 TP Load (kg) 362 TP Conc 16

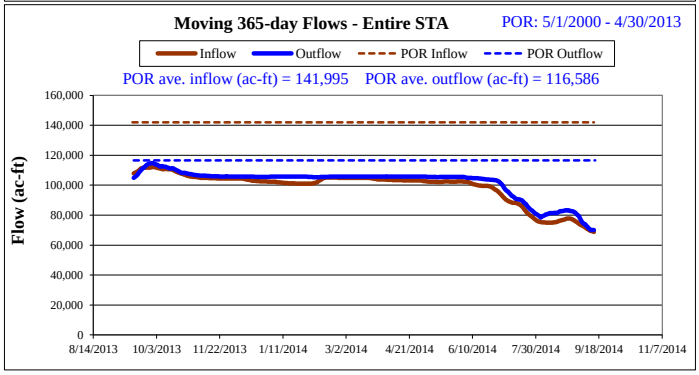
Flow-Way Information (Research projects, stage-duration, vegetation, etc.)

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
		Operations currently constrained due to species protected by the ESA/MBTA.		Operations currently constrained due to species protected by the ESA/MBTA.			









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