

PROVISIONAL

Shark River Slough

Total Phosphorus (TP) Tracking Report¹

Second Quarter 2014 (April 2014 - June 2014)

Event Date	TP Concentration (mg/L)					Daily Mean Flow (cfs) ²								Event FWMC (ppb)
	S12A	S12B	S12C	S12D	S333	S12A	S12B	S12C	S12D	S333-S334	SRS Inflow* in ac-ft	S333	S334	
5/6/2013	0.026			0.010	0.015	0	0	0	261	69	654	508	439	11.0
5/13/2013	0.017		0.011	0.008	0.012	0	0	190	178	525	1,771	1148	623	
5/20/2013	0.020		0.008	0.008	0.018	0	0	154	147	544	1,675	936	392	14.4
5/28/2013	0.021		0.009	0.008	0.012	0	0	177	178	663	2,020	836	173	
6/3/2013	0.021		0.010	0.010	0.010	0	0	308	296	490	2,169	490	0	10.0
6/10/2013	0.023		0.009	0.011	0.011	0	0	445	406	65	1,817	360	295	
6/17/2013	0.019		0.008	0.009	0.016	0	0	423	421	269	2,207	994	725	10.3
6/24/2013	0.012		0.008	0.007	0.017	0	0	352	399	370	2,224	1095	724	
7/1/2013	0.011		0.008	0.009	0.015	0	0	396	450	561	2,791	762	201	11.1
7/8/2013	0.011	0.010	0.008	0.011	0.008	0	0	510	585	27	2,225	226	199	
7/15/2013	0.010		0.009	0.011	0.010	207	180	706	860		3,874	15	16	10.1
7/22/2013	0.006	0.007	0.008	0.011	0.009	346	348	717	871	4	4,535	120	116	
7/29/2013	0.006	0.005	0.006	0.009	0.008	404	390	793	939	11	5,032	405	394	7.0
8/5/2013	0.006	0.005	0.007	0.008	0.008	482	453	870	1020	36	5,675	531	495	
8/12/2013	0.004	0.004	0.005	0.007	0.007	441	407	790	895	8	5,040	967	959	5.4
8/19/2013	0.005	0.003	0.004	0.007	0.011	398	361	705	787	6	4,477	994	988	
8/26/2013	0.005	0.004	0.005	0.008	0.007	389	346	674	748	33	4,343	1036	1004	5.9
9/3/2013	0.005	0.006	0.006	0.007	0.007	368	341	696	353	7	3,501	316	309	
9/9/2013	0.005	0.005	0.006	0.007	0.007	365	341	685	854		4,453	400	407	6.1
9/16/2013	0.005	0.004	0.005	0.007	0.007	398	355	714	878	13	4,677	297	284	
9/23/2013	0.005	0.006	0.006	0.007	0.007	392	346	712	898		4,657	87	168	6.2
9/30/2013	0.005	0.004	0.005	0.006	0.006	408	359	721	913		4,762	403	463	
10/7/2013	0.004	0.004	0.006	0.007	0.007	399	400	773	873		4,850	536	544	5.7
10/14/2013	0.004	0.004	0.005	0.006	0.006	348	352	712	756		4,300	669	670	
10/21/2013	0.005	0.004	0.006	0.006	0.006	319	331	684	769		4,171	0	0	5.5
10/28/2013	0.005	0.004	0.006	0.007	0.007	330	340	690	765		4,215	0	0	
11/4/2013	0.008	0.008	0.006	0.008	0.008	0	354	682	717		3,477	0	0	7.2
11/12/2013	0.010	0.007	0.006	0.007	0.006	0	347	666	677		3,352	0	0	
11/18/2013	0.011	0.007	0.005	0.007	0.007	0	318	628	617		3,100	0	0	6.2
11/25/2013	0.008	0.006	0.006	0.007	0.008	0	354	402	676		2,840	0	0	
12/2/2013	0.007	0.005	0.004	0.006	0.006	0	210	444	689		2,664	0	0	5.2
12/9/2013	0.011	0.005	0.004	0.006	0.007	0	204	406	617		2,434	0	0	
12/16/2013	0.006			0.008	0.007	0	0	0	399		791	0	0	8.0
12/23/2013	0.007			0.007	0.006	0	0	0	227		450	0	0	
12/30/2013	0.008				0.008	0	0	0	190		377	0	0	
1/6/2014	0.011			0.007	0.007	0	0	0	193		383	0	0	
1/13/2014	0.009				0.008	0	0	0	0	6	13	6	0	8.0
1/21/2014	0.008				0.005	0	0	0	0	49	98	49	0	
1/27/2014	0.012				0.007	0	0	0	0	0	0	0	0	
2/3/2014	0.008				0.005	0	0	0	0	0	0	0	0	
2/10/2014	0.012				0.010	0	0	0	0	776	1,539	776	0	10.0
2/17/2014	0.008			0.006	0.008	0	0	0	460	617	2,136	617	0	
2/24/2014	0.009			0.008	0.008	0	0	0	434	635	2,120	635	0	8.0
3/3/2014	0.011			0.007	0.009	0	0	0	496	535	2,045	544	8	
3/10/2014	0.012			0.007	0.010	0	0	0	466	649	2,211	649	0	8.7
3/17/2014	0.014			0.008	0.008	0	0	0	416	620	2,055	620	0	
3/24/2014	0.017			0.009	0.010	0	0	0	353	419	1,532	419	0	9.5
3/31/2014	0.021			0.012	0.011	0	0	0	251	165	825	165	0	
4/7/2014	0.023				0.012	0	0	0	0	13	26	13	0	12.0
4/14/2014	0.023				0.010	0	0	0	0	0	0	0	0	
4/21/2014	0.024				0.011	0	0	0	0	0	0	0	0	
4/28/2014	0.021				0.013	0	0	0	0	1	1	77	76	
5/5/2014	0.031				0.014	0	0	0	0	6	12	155	149	14.0
5/12/2014	0.041				0.015	0	0	0	0	6	12	301	295	
5/19/2014	0.040				0.018	0	0	0	0	7	15	347	340	18.0
5/27/2014	0.050				0.030	0	0	0	0	0	0	268	275	
6/2/2014	0.065				0.038	0	0	0	0	2	5	245	243	38.0
6/9/2014	0.062				0.034	0	0	0	0	0	0	87	93	
6/16/2014	0.048				0.037	0	0	0	0	0	0	0	0	
6/23/2014	0.043				0.041	0	0	0	0	513	1,018	513	0	
6/30/2014	0.044		0.019	0.035	0.037	0	0	47	203	474	1,436	474	0	35.3
Period	Total Flow ¹		12-Month FWMC ^{2,3}			12-Month Moving Long-term Limit ²		Percent of Sampling Events Greater than 10 ppb						
	(kac-ft)		(ppb)			(ppb)		Guideline ²		Observed ^{2,3}				
5/1/2013-4/30/2014	1037.1		7.4			7.7		40.6%		26.1%				
6/1/2013-5/31/2014	984.0		7.2			8.0		41.8%		26.1%				
7/1/2013-6/30/2014	908.9		7.7			8.4		43.6%		30.4%				

Blue shaded and bolded dates were the bi-weekly compliance sampling events and corresponding flow-weighted mean concentrations.
 Light green shaded cell indicates there was flow at the site on the sampling day.
 Yellow shaded cell indicates a compliance TP concentration datum was missing (See Settlement Agreement Report Appendix Table B-1 for detail).

- Notes:
1. WY2014 (starting 10/1/2013) daily mean flow data for S12s are provisional values, and all Water Year 2013 (WY2013, ending 9/30/2013) daily mean flow data are final approved values.
 2. The final 12-month flow-weighted mean concentration (FWMC) and long-term limit for Water Year 2014 (WY2014, October 1, 2013 – September 30, 2014) will be published at a later date when the final approved flow data are available for the federal water year (ending 9/30/2014). These values will be used to determine annual compliance.
 3. The bi-weekly sampling events and flow data are used to calculate a **provisional** flow-weighted mean concentration (FWMC).