

PROVISIONAL
Shark River Slough
Total Phosphorus (TP) Tracking Data Report¹
 First Quarter 2016 (January 2016 - March 2016)

Sampling 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	
2/2/2015	0.008			0.008		0	0	0	311	0	617	0	0	
2/9/2015	0.009			0.009		0	0	0	249	0	494	0	0	9.0
2/16/2015	0.008			0.008		0	0	0	302	0	599	0	0	
2/23/2015	0.007			0.007		0	0	0	258	0	512	0	0	7.0
3/2/2015	0.009			0.011		0	0	0	195	0	387	0	0	
3/9/2015	0.012			0.011	0.011	0	0	0	137	68	406	68	0	11.0
3/16/2015	0.015			0.011	0.011	0	0	0	0	173	343	173	0	
3/23/2015	0.017			0.010	0	0	0	0	0	170	337	170	0	10.0
3/30/2015	0.012			0.012	0	0	0	0	0	29	57	29	0	
4/6/2015	0.015			0.011	0	0	0	0	0	0	0	0	0	no flow
4/13/2015	0.020			0.010	0	0	0	0	0	0	0	0	0	
4/20/2015	0.024			0.011	0	0	0	0	0	0	0	0	0	no flow
4/27/2015	0.021			0.010	0	0	0	0	0	0	0	0	0	
5/4/2015	0.019			0.014	0	0	0	0	0	0	0	0	0	no flow
5/11/2015	0.023			0.012	0	0	0	0	0	0	0	0	0	
5/18/2015	0.020			0.027	0	0	0	0	0	0	0	0	0	no flow
5/26/2015	0.030			0.011	0	0	0	0	0	0	0	0	0	
6/1/2015	0.023			0.013	0	0	0	0	0	0	0	0	0	no flow
6/8/2015	0.034			0.019	0	0	0	0	0	0	0	0	0	
6/15/2015	0.026			0.009	0	0	0	0	0	0	0	0	0	no flow
6/22/2015	0.037			0.012	0	0	0	0	0	0	0	0	0	
6/29/2015	0.039			0.013	0	0	0	0	0	0	0	0	0	no flow
7/6/2015	0.030			0.015	0	0	0	0	0	0	0	0	0	
7/13/2015	0.036			0.015	0	0	0	0	0	0	0	0	0	no flow
7/20/2015	0.045			0.018	0	0	0	0	0	0	0	0	0.29	
7/27/2015	0.036			0.015	0	0	0	0	0	0	0	0	0	no flow
8/3/2015	0.031			0.015	0	0	0	0	0	0	0	0	0	
8/10/2015	0.021			0.015	0	0	0	0	0	0	0	0	0	no flow
8/17/2015	0.015			0.015	0	0	0	0	0	0	0	0	0.34	
8/24/2015	0.017			0.015	0	0	0	0	0	0	0	0	0	no flow
8/31/2015	0.018			0.012	0	0	0	0	0	0	0	0	0	
9/8/2015	0.017			0.013	0	0	0	0	0	0	0	0	0	no flow
9/14/2015	0.013			0.014	0	0	0	0	0	0	0	0	0	
9/21/2015	0.011			0.013	0	0	0	0	0	0	0	0	0	no flow
9/28/2015	0.014			0.011	0	0	228	458	658	1,344	658	0	0	
10/5/2015	0.012		0.009	0.008	0.014	0	0	535	612	878	2,025	878	0	10.9
10/12/2015	0.006	0.006	0.008	0.016	0.013	120	171	467	616	827	2,201	827	0	
10/19/2015	0.006	0.006	0.008	0.013	0.009	126	186	504	703	221	1,740	221	0	9.8
10/26/2015	0.005	0.005	0.007	0.009	0.009	187	198	487	666	344	1,882	344	0	
11/2/2015	0.011	0.009	0.007	0.008	0.008	0	204	438	610	550	1,802	550	0	7.9
11/9/2015	0.014	0.01	0.006	0.009	0.010	0	192	420	568	586	1,766	586	0	
11/16/2015	0.013			0.009	0.009	0	0	0	320	392	712	392	0	9.0
11/23/2015	0.011			0.010	0.012	0	0	0	120	361	481	361	0	
12/1/2015	0.008			0.008	0.007	0	0	0	304	417	721	417	0	7.4
12/7/2015	0.011	0.007	0.007	0.009	0.008	0	183	643	867	0	1,693	0	0	
12/14/2015	0.01	0.006	0.005	0.007	0.008	0	320	612	893	23	1,848	23	0	6.2
12/21/2015	0.008	0.006	0.005	0.008	0.007	0	307	591	855	163	1,916	163	0	
12/28/2015	0.009	0.006	0.004	0.008	0.007	0	302	586	836	230	1,954	230	0	6.4
1/4/2016	0.011		0.006	0.008	0.008	0	0	614	822	281	1,717	281	0	
1/11/2016	0.008		0.006	0.006	0.006	0	0	640	922	113	1,675	113	0	6.0
1/19/2016	0.008		0.004	0.007	0.006	0	0	684	989	119	1,792	119	0	
1/25/2016	0.007		0.005	0.006	0.006	0	0	685	985	140	1,810	140	0	5.6
2/1/2016	0.005		0.005	0.008	0.007	0	0	872	1275	0	2,147	0	0	
2/8/2016	0.006		0.005	0.007	0.006	0	0	991	1489	58	2,538	338	280	6.2
2/15/2016	0.006		0.004	0.006	0.005	0	0	1070	1578	217	2,865	628	411	
2/22/2016	0.007		0.004	0.004	0.006	137	0	1104	1616	1003	3,860	1332	329	4.6
2/29/2016	0.006		0.004	0.004	0.007	250	0	1079	1594	1341	4,264	1341	0	
3/7/2016	0.007		0.005	0.004	0.005	249	0	1010	1477	1293	4,029	1293	0	4.8
3/14/2016	0.008		0.007	0.008	0.008	0	0	854	1223	1171	3,248	1337	166	
3/21/2016	0.011		0.007	0.006	0.008	0	0	915	852	1137	2,904	1306	169	7.1
3/28/2016	0.008		0.006	0.006	0.007	0	0	788	690	1150	2,628	1321	171	
Period	Total Flow ¹					12-Month FWMC ²	12-Month Moving Long-term Limit ²	Percent of Sampling Events Greater than 10 ppb						
	(kac-ft)							Guideline ²	Observed ²					
Feb 2015 - Jan 2016	435.5					7.7	10.9	57.4%	15.4%					
Mar 2015 - Feb 2016	617.1					7.0	9.9	51.6%	15.4%					
Apr 2015 - Mar 2016 ³	817.1					6.6	8.8	45.9%	7.7%					

Blue shaded and **bolded** dates are 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 for TP concentration data indicates a compliance TP concentration datum was missing.

Notes:

¹ All WY2015 (ending 9/30/2015) daily mean flow data are final approved values but WY2016 (starting 10/1/2015) daily mean flow data for S12s are provisional values while the data for S333 and S334 are final approved values.

² The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations (FWMC).

³ Flow at S355A, S355B, S355B Temporary Pump and S356 are not included.

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Shark River Slough Total Phosphorus (TP) and Flow Monitoring Data

Partial WY 2016 (October 2015 - March 2016)

(Includes data collected for S355A, S355B, and S356)

Sampling Event Date	TP Concentration (mg/L)								Daily Mean Flow (cfs)								
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S355A	S355B	S334	S356
10/5/2015	0.012		0.009	0.008	0.014			0.009	0	0	535	612	878	0	0	0	0
10/12/2015	0.006	0.006	0.008	0.016	0.013			0.012	120	171	467	616	827	0	0	0	0
10/19/2015	0.006	0.006	0.008	0.013	0.009			0.007	126	186	504	703	221	0	0	0	343
10/26/2015	0.005	0.005	0.007	0.009	0.009			0.007	187	198	487	666	344	0	0	0	306
11/2/2015	0.011	0.009	0.007	0.008	0.008			0.006	0	204	438	610	550	0	0	0	266
11/9/2015	0.014	0.01	0.006	0.009	0.010			0.007	0	192	420	568	586	0	0	0	267
11/16/2015	0.013			0.009	0.009			0.007	0	0	0	320	392	0	0	0	267
11/23/2015	0.011			0.010	0.012			0.007	0	0	0	120	361	0	0	0	267
12/1/2015	0.008			0.008	0.007			0.006	0	0	0	304	417	0	0	0	267
12/7/2015	0.011	0.007	0.007	0.009	0.008			0.009	0	183	643	867	0	0	0	0	0
12/14/2015	0.01	0.006	0.005	0.007	0.008			0.004	0	320	612	893	23	0	0	0	266
12/21/2015	0.008	0.006	0.005	0.008	0.007			0.005	0	307	591	855	163	0	0	0	267
12/28/2015	0.009	0.006	0.004	0.008	0.007			0.006	0	302	586	836	230	0	0	0	266
1/4/2016	0.011		0.006	0.008	0.008			0.005	0	0	614	822	281	0	0	0	266
1/11/2016	0.008		0.006	0.006	0.006			0.005	0	0	640	922	113	0	0	0	270
1/19/2016	0.008		0.004	0.007	0.006			0.006	0	0	684	989	119	0	0	0	262
1/25/2016	0.007		0.005	0.006	0.006			0.007	0	0	685	985	140	0	0	0	46
2/1/2016	0.005		0.005	0.008	0.007			0.007	0	0	872	1275	0	0	0	0	0
2/8/2016	0.006		0.005	0.007	0.006			0.010	0	0	991	1489	338	0	0	280	0
2/15/2016	0.006		0.004	0.006	0.005			0.006	0	0	1070	1578	628	0	0	411	0
2/22/2016	0.007		0.004	0.004	0.006			0.007	137	0	1104	1616	1332	0	0	329	0
2/29/2016	0.006		0.004	0.004	0.007			0.008	250	0	1079	1594	1341	0	0	0	0
3/3/2016						0.006	0.006		250	0	1055	1557	1321	TBD	TBD	0	0
3/7/2016	0.007		0.005	0.004	0.005			0.008	249	0	1010	1477	1293	TBD	TBD	0	0
3/14/2016	0.008		0.007	0.008	0.008			0.006	0	0	854	1223	1337	0	188	166	0
3/17/2016							0.006						1327	0	142	166	4
3/21/2016	0.011		0.007	0.006	0.008			0.007	0	0	915	852	1306	0	124	169	0
3/28/2016	0.008		0.006	0.006	0.007		0.006	0.008	0	0	788	690	1321	0	170	171	0

Notes:

Blue shaded and **bolded** dates are 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.

11/2/2016 flow datum for S356 (red fonted) is an interpolated value.

S355B flows represent temporary pumps.

TBD: To Be Determined. Flow through S355A and B gated culverts pending USACE/USGS field measurement and flow rating analysis.