

PROVISIONAL
Shark River Slough (SRS)
Total Phosphorus (TP) Tracking Data Report¹
 Second Quarter 2016 (April 2016 - June 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 (ac-ft)	S333	S334	
5/4/2015	0.019				0.014	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	
5/18/2015	0.020				0.027	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	
6/1/2015	0.023				0.013	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	
6/15/2015	0.026				0.009	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	
6/29/2015	0.039				0.013	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	
7/13/2015	0.036				0.015	0	0	0	0	0	0	0	0	no flow
7/20/2015	0.045				0.018	0	0	0	0	0	0	0	0.29	
7/27/2015	0.036				0.015	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	
8/10/2015	0.021				0.015	0	0	0	0	0	0	0	0	no flow
8/17/2015	0.015				0.015	0	0	0	0	0	0	0	0.34	
8/24/2015	0.017				0.015	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	
9/8/2015	0.017				0.013	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	
9/21/2015	0.011				0.013	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	
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	0.010	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	1,275	0	2,147	0	0	
2/8/2016	0.006		0.005	0.007	0.006	0	0	991	1,489	58	2,538	338	280	6.2
2/15/2016	0.006		0.004	0.006	0.005	0	0	1,070	1,578	217	2,865	628	411	
2/22/2016	0.007		0.004	0.004	0.006	137	0	1,104	1,616	1,003	3,860	1,332	329	4.6
2/29/2016	0.006		0.004	0.004	0.007	250	0	1,079	1,594	1,341	4,264	1,341	0	
3/7/2016	0.007		0.005	0.004	0.005	249	0	1,010	1,477	1,293	4,029	1,293	0	4.8
3/14/2016	0.008		0.007	0.008	0.008	0	0	854	1,223	1,171	3,248	1,337	166	
3/21/2016	0.011		0.007	0.006	0.008	0	0	915	852	1,137	2,904	1,306	169	7.1
3/28/2016	0.008		0.006	0.006	0.007	0	0	788	690	1,150	2,628	1,321	171	
4/4/2016	0.008		0.006	0.004	0.010	0	0	665	754	1,174	2,593	1,330	156	7.2
4/12/2016	0.008		0.006	0.005	0.008	0	0	546	586	1,135	2,267	1,333	198	
4/18/2016	0.009		0.005	0.007	0.008	0	0	403	515	1,106	2,024	1,302	195	7.1
4/25/2016	0.010		0.006	0.007	0.006	0	0	348	430	1,059	1,837	1,246	187	
5/2/2016	0.008		0.006	0.006	0.010	0	0	245	309	883	1,437	1,207	324	8.5
5/9/2016	0.008		0.007	0.006	0.010	0	0	257	321	863	1,441	1,205	341	
5/16/2016	0.013		0.007	0.012	0.010	0	0	253	328	126	707	636	510	9.9
5/23/2016	0.011		0.008	0.012	0.015	0	0	248	326	193	767	701	508	
5/31/2016	0.015		0.009	0.009	0.011	0	0	221	304	186	711	702	516	9.5
6/6/2016	0.014		0.010	0.014	0.014	0	0	231	313	6	550	500	494	
6/13/2016	0.014		0.011	0.013	0.015	0	0	264	348	30	642	535	505	12.3
6/20/2016	0.013		0.010	0.012	0.013	0	0	269	352	145	766	556	411	
6/27/2016	0.012		0.009	0.009	0.015	0	0	245	338	535	1,118	1,142	607	11.9
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)					(ppb)			(ppb)			Guideline ²	Observed ²	
May 2015 - April 2016 ³	956.1					6.7			8.1			42.5%	6.7%	
June 2015 - May 2016 ³	1042.9					6.9			7.7			40.5%	5.6%	
July 2015 - June 2016 ³	1117.9					7.1			7.6			40.1%	15.0%	

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.

Notes:

- 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.
- The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations (FWMC).
- Flow at S355A, S355B, S355B temporary pumps, and S356 are not included.

PROVISIONAL

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

Partial WY 2016 (October 2015 - June 2016)

(Includes data collected at 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	0.010	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	1,275	0	0	0	0	0
2/8/2016	0.006		0.005	0.007	0.006			0.010	0	0	991	1,489	338	0	0	280	0
2/15/2016	0.006		0.004	0.006	0.005			0.006	0	0	1,070	1,578	628	0	0	411	0
2/22/2016	0.007		0.004	0.004	0.006			0.007	137	0	1,104	1,616	1,332	0	0	329	0
2/29/2016	0.006		0.004	0.004	0.007			0.008	250	0	1,079	1,594	1,341	0	0	0	0
3/3/2016						0.006	0.006		250	0	1,055	1,557	1,321	TBD	TBD	0	0
3/7/2016	0.007		0.005	0.004	0.005			0.008	249	0	1,010	1,477	1,293	TBD	TBD	0	0
3/14/2016	0.008		0.007	0.008	0.008			0.006	0	0	854	1,223	1,337	0	188	166	0
3/17/2016							0.006		0	0	991	928	1,327	0	142	166	4
3/21/2016	0.011		0.007	0.006	0.008			0.007	0	0	915	852	1,306	0	124	169	0
3/28/2016	0.008		0.006	0.006	0.007		0.006	0.008	0	0	788	690	1,321	0	170	171	0
4/4/2016	0.008		0.006	0.004	0.010			0.008	0	0	665	754	1,330	0	180	156	0
4/12/2016	0.008		0.006	0.005	0.008			0.008	0	0	546	586	1,333	0	125	198	0
4/13/2016						0.006	0.008		0	0	531	568	1,317	0	91	195	4
4/18/2016	0.009		0.005	0.007	0.008			0.008	0	0	403	515	1,302	0	161	195	0
4/25/2016	0.010		0.006	0.007	0.006			0.006	0	0	348	430	1,246	0	152	187	0
4/26/2016							0.016		0	0	333	414	1,232	0	168	187	4
5/2/2016	0.008		0.006	0.006	0.010			0.006	0	0	245	309	1,207	0	141	324	0
5/9/2016	0.008		0.007	0.006	0.010	0.007	0.011	0.008	0	0	257	321	1,205	0	47	341	0
5/16/2016	0.013		0.007	0.012	0.010			0.010	0	0	253	328	636	0	0	510	0
5/23/2016	0.011		0.008	0.012	0.015	0.007	0.014	0.012	0	0	248	326	701	0	0	508	0
5/31/2016	0.015		0.009	0.009	0.011			0.010	0	0	221	304	702	0	0	516	4
6/6/2016	0.014		0.010	0.014	0.014	0.008	0.011	0.011	0	0	231	313	500	0	0	494	0
6/13/2016	0.014		0.011	0.013	0.015			0.012	0	0	264	348	535	0	0	505	0
6/20/2016	0.013		0.010	0.012	0.013			0.012	0	0	269	352	556	0	0	411	0
6/27/2016	0.012		0.009	0.009	0.015			0.022	0	0	245	338	1,142	0	0	607	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.

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

S355B flows represent temporary pumps.

TBD: To be determined. Flow through S355A and B gated culverts pending United States Army Corps of Engineers/United States Geological Survey field measurement and flow rating analysis.