

Shark River Slough Water Year 2017

Alternative **Method 1**: S12s + [(S333 + S355A + S355B) - S334]

Total Phosphorus (TP) Tracking Data

WY2017 (October 1, 2016 - September 30, 2017)

Sampling Event Date	TP Concentration (mg/L)							Daily Mean Flow (cfs)									S334 Adjusted Flow (cfs)			Event FWMC		
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S12A	S12B	S12C	S12D	S333	S355A	S355B	S333 + S355A&B	S334	S333	S355A	S355B	Loads	Total Flow	(ppb)
10/3/2016	0.006	0.005	0.005	0.008	0.007	0.005	0.006	305	278	545	852	0	0	0	0	0	0	0	0	12.8	1980.0	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			316	286	574	882	154	0	0	154	157	0	0	0			
10/17/2016	0.005	0.006	0.006	0.007	0.007			294	262	552	853	0	0	0	0	0	0	0	0	12.3	1961.0	6.3
10/24/2016	0.004	0.003	0.004	0.005	0.006			258	220	502	765	0	0	0	0	0	0	0	0			
10/31/2016	0.004	0.004	0.004	0.007	0.007			101	260	523	820	0	0	0	0	0	0	0	0	9.3	1704.0	5.4
11/7/2016	0.010	0.007	0.006	0.008	0.007			0	289	504	792	0	0	0	0	0	0	0	0			
11/14/2016	0.009	0.006	0.006	0.007	0.007	0.005	0.006	0	267	464	728	0	0	0	0	0	0	0	0	9.5	1459.0	6.5
11/21/2016	0.008	0.005	0.002	0.007	0.006			0	236	424	661	0	0	0	0	0	0	0	0			
11/28/2016	0.008		0.006	0.007	0.007			0	0	297	620	0	0	0	0	0	0	0	0	6.1	917.0	6.7
12/5/2016	0.008				0.007			0	0	0	0	219	0	0	219	0	219	0	0			
12/12/2016	0.013				0.009	0.008	0.008	0	0	0	0	140	0	0	140	0	140	0	0	1.3	139.8	9.0
12/19/2016	0.014				0.011			0	0	0	0	110	0	0	110	0	110	0	0			
12/27/2016	0.009				0.010			0	0	0	0	85	0	0	85	0	85	0	0	0.8	84.8	10.0
1/3/2017	0.007				0.006			0	0	0	0	84	0	0	84	0	84	0	0			
1/9/2017	0.006				0.010	0.007	0.005	0	0	0	0	91	0	0	91	0	91	0	0	0.9	91.1	10.0
1/17/2017	0.007			0.005	0.007			0	0	0	0	43	0	0	43	0	43	0	0			
1/23/2017	0.012			0.007	0.006			0	0	0	0	28	0	0	28	0	28	0	0	0.2	28.2	6.0
1/30/2017	0.010			0.009	0.009			0	0	0	0	0	0	0	0	0	0	0	0			
2/1/2017					0.008			0	0	0	0	0	0	0	0	0	0	0	0			
2/6/2017	0.010				0.008	0.008	0.006	0	0	0	0	99	0	0	99	0	99	0	0	0.8	99.2	8.0
2/13/2017	0.018			0.006	0.007			0	0	0	0	99	0	0	99	0	99	0	0			
2/20/2017	0.014				0.008			0	0	0	0	97	0	0	97	0	97	0	0	0.8	96.7	8.0
2/28/2017	0.011				0.007			0	0	0	0	95	0	0	95	0	95	0	0			
3/6/2017	0.013				0.008			0	0	0	0	97	0	0	97	0	97	0	0	0.8	96.5	8.0
3/13/2017	0.018				0.008			0	0	0	0	0	0	0	0	0	0	0	0			
3/20/2017	0.018				0.009	0.026	0.034	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
3/27/2017	0.017				0.008			0	0	0	0	0	0	0	0	0	0	0	0			
4/3/2017	0.023				0.009	0.037	0.071	0	0	0	0	52	0	0	52	41	10	0	0	0.1	10.5	9.0
4/10/2017	0.022				0.010			0	0	0	0	102	0	0	102	91	11	0	0			
4/17/2017	0.030				0.014	0.069	0.098	0	0	0	0	75	0	0	75	71	5	0	0	0.1	4.7	14.0
4/24/2017	0.034				0.017			0	0	0	0	0	0	0	0	0	0	0	0			
5/1/2017	0.029				0.016	0.054	0.089	0	0	0	0	0	0	0	0	0	0	0	0			
5/8/2017	0.027				0.014			0	0	0	0	0	0	0	0	0	0	0	0			
5/15/2017	0.029				0.016			0	0	0	0	55	0	0	55	52	3	0	0	0.1	3.4	16.0
5/22/2017	0.035				0.018			0	0	0	0	56	0	0	56	50	7	0	0			
5/30/2017	0.033				0.027			0	0	0	0	32	0	0	32	29	3	0	0	0.1	3.1	27.0
6/5/2017	0.036				0.024			0	0	0	0	0	0	0	0	0	0	0	0			
6/12/2017	0.032		0.011	0.024	0.087	0.033	0.034	0	0	424	560	926	0	0	926	0	926	0	0	98.7	1910.0	51.7
6/19/2017	0.020		0.010	0.011	0.013			0	0	616	789	959	0	0	959	312	647	0	0			
6/26/2017	0.014		0.010	0.009	0.017			0	0	741	890	1392	0	0	1392	956	436	0	0	22.8	2066.7	11.0
7/5/2017	0.006	0.005	0.004	0.008	0.006			381	388	761	904	1341	0	0	1341	912	430	0	0			
7/10/2017	0.008	0.006	0.006	0.007	0.008	0.018	0.010	358	366	766	931	1284	0	0	1284	914	370	0	0	19.1	2791.3	6.9
7/17/2017	0.007	0.005	0.005	0.007	0.014			476	456	917	1160	612	0	0	612	467	145	0	0			
7/24/2017	0.008	0.005	0.005	0.008	0.008		0.006	529	499	969	1230	244	0	0	244	249		0	0	21.4	3227.0	6.6
8/1/2017	0.007	0.006	0.006	0.008	0.008			546	514	964	1250	224	0	0	224	229		0	0			
8/7/2017	0.007	0.005	0.007	0.008	0.007	0.008	0.006	479	464	861	1160	229	0	0	229	226	4	0	0	21.0	2967.6	7.1
8/14/2017	0.006	0.005	0.006	0.007	0.007			429	425	797	1040	651	0	0	651	657		0	0			
8/21/2017	0.005	0.006	0.006	0.006	0.007		0.005	357	359	702	857	1042	0	0	1042	1043		0	0	13.3	2275.0	5.8
8/28/2017	0.005	0.005	0.006	0.008	0.007			417	415	823	1040	119	0	0	119	126		0	0			
9/5/2017	0.006	0.006	0.005	0.008	0.008		0.006	350	355	704	790	679	0	0	679	689		0	0	14.1	2199.0	6.4
9/13/2017	0.011	0.007	0.006	0.010				783	672	1190	1370	0	0	0	0	0	0	0	0			
9/14/2017					0.011			817	710	1240	1420	0	0	0	0	0	0	0	0			
9/18/2017	0.009	0.007	0.006	0.006	0.010	0.008	0.008	838	751	1290	1460	927	0	0	927	0	927	0	0	38.6	5266.2	7.3
9/25/2017	0.008	0.006	0.006	0.005	0.007			868	769	1320	1530	1221	0	0	1221	466	754	0	0			

Period	Total Flow ¹	WY2017 Long-term Limit	WY2017 FWMC ²	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Guideline	Observed
October 1, 2016 - September 30, 2017	1,010.6	7.9	9.7	41.2%	20.8%

Blue shaded and **bolded** dates are the bi-weekly compliance sampling events and corresponding flow-weighted mean concentrations (FWMC).
 Light green shaded cell indicates there was flow at the site on the sampling day.

Notes:

1. Total of all flow at S12s + S333 + S355A + S355B.

2. The bi-weekly sampling events and flow data are used to calculate FWMC.

Shark River Slough Water Year 2017

Alternative **Method 2**: S12s + [(S333 + S355A + S355B + S356) - S334]

Total Phosphorus (TP) Tracking Data

WY 2017 (October 1, 2016 - September 30, 2017)

Sampling Event Date	TP Concentration (mg/L)								Daily Mean Flow (cfs)								S334 Adjusted Flow (cfs)					Event FWMC			
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S333+S355A+S355B+S356	S334	S333	S355A	S355B	S356	Loads	Total Flow	(ppb)
10/3/2016	0.006	0.005	0.005	0.008	0.007	0.005	0.006	0.009	305	278	545	852	0	0	0	0	0	0	0	0	0	0	12.8	1980.0	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			0.010	316	286	574	882	154	0	0	0	154	157	0	0	0	0			
10/17/2016	0.005	0.006	0.006	0.007	0.007			0.009	294	262	552	853	0	0	0	0	0	0	0	0	0	0	12.3	1961.0	6.3
10/24/2016	0.004	0.003	0.004	0.005	0.006			0.009	258	220	502	765	0	0	0	0	0	0	0	0	0	0			
10/31/2016	0.004	0.004	0.004	0.007	0.007			0.008	101	260	523	820	0	0	0	0	0	0	0	0	0	0	9.3	1704.0	5.4
11/7/2016	0.010	0.007	0.006	0.008	0.007			0.014	0	289	504	792	0	0	0	0	0	0	0	0	0	0			
11/14/2016	0.009	0.006	0.006	0.007	0.007	0.005	0.006	0.009	0	267	464	728	0	0	0	0	0	0	0	0	0	0	9.5	1459.0	6.5
11/21/2016	0.008	0.005	0.002	0.007	0.006			0.008	0	236	424	661	0	0	0	0	0	0	0	0	0	0			
11/28/2016	0.008		0.006	0.007	0.007			0.007	0	0	297	620	0	0	0	0	0	0	0	0	0	0	6.1	917.0	6.7
12/5/2016	0.008				0.007			0.009	0	0	0	0	219	0	0	5	225	0	219	0	0	5			
12/12/2016	0.013				0.009	0.008	0.008	0.008	0	0	0	0	140	0	0	0	140	0	140	0	0	0	1.3	139.8	9.0
12/19/2016	0.014				0.011			0.007	0	0	0	0	110	0	0	0	110	0	110	0	0	0			
12/27/2016	0.009				0.010			0.008	0	0	0	0	85	0	0	4	89	0	85	0	0	4	0.9	88.8	9.9
1/3/2017	0.007				0.006			0.006	0	0	0	0	84	0	0	5	89	0	84	0	0	5			
1/9/2017	0.006				0.010	0.007	0.005	0.006	0	0	0	0	91	0	0	0	91	0	91	0	0	0	0.9	91.1	10.0
1/17/2017	0.007		0.005	0.007	0.007			0.006	0	0	0	0	43	0	0	3	46	0	43	0	0	3			
1/23/2017	0.012		0.007	0.006	0.006			0.008	0	0	0	0	28	0	0	0	28	0	28	0	0	0	0.2	28.2	6.0
1/30/2017	0.010		0.009	0.009	0.008			0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2/1/2017					0.008			0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2/6/2017	0.010				0.008	0.008	0.006	0.009	0	0	0	0	99	0	0	0	99	0	99	0	0	0	0.8	99.2	8.0
2/13/2017	0.018		0.006	0.007	0.007			0.010	0	0	0	0	99	0	0	0	99	0	99	0	0	0			
2/20/2017	0.014				0.008			0.009	0	0	0	0	97	0	0	0.05	97	0	97	0	0	0	0.8	96.8	8.0
2/28/2017	0.011				0.007			0.008	0	0	0	0	95	0	0	4	99	0	95	0	0	4			
3/6/2017	0.013				0.008			0.011	0	0	0	0	97	0	0	4	101	0	97	0	0	4	0.8	100.5	8.1
3/13/2017	0.018				0.008			0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3/20/2017	0.018				0.009	0.026	0.034	0.008	0	0	0	0	0	0	0	5	5	0	0	0	0	5	0.0	5.4	8.0
3/27/2017	0.017				0.008			0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4/3/2017	0.023				0.009	0.037	0.071	0.011	0	0	0	0	52	0	0	4	56	41	14	0	0	1	0.1	14.7	9.2
4/10/2017	0.022				0.010			0.023	0	0	0	0	102	0	0	0	102	91	11	0	0	0			
4/17/2017	0.030				0.014	0.069	0.098	0.016	0	0	0	0	75	0	0	0	75	71	5	0	0	0	0.1	4.7	14.0
4/24/2017	0.034				0.017			0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5/1/2017	0.029				0.016	0.054	0.089	0.018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
5/8/2017	0.027				0.014			0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5/15/2017	0.029				0.016			0.014	0	0	0	0	55	0	0	0	55	52	3	0	0	0	0.1	3.4	16.0
5/22/2017	0.035				0.018			0.015	0	0	0	0	56	0	0	0	56	50	7	0	0	0			
5/30/2017	0.033				0.027			0.018	0	0	0	0	32	0	0	4	35	29	6	0	0	1	0.2	6.8	26.1
6/5/2017	0.036				0.024			0.013	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6/12/2017	0.032		0.011	0.024	0.087	0.033	0.034	0.018	0	0	424	560	926	0	0	0	926	0	926	0	0	0	98.7	1910.0	51.7
6/19/2017	0.020		0.010	0.011	0.013			0.012	0	0	616	789	959	0	0	0	959	312	647	0	0	0			
6/26/2017	0.014		0.010	0.009	0.017			0.022	0	0	741	890	1392	0	0	0	1,392	956	436	0	0	0	22.8	2066.7	11.0
7/5/2017	0.006	0.005	0.004	0.008	0.006			0.015	381	388	761	904	1341	0	0	0	1,341	912	430	0	0	0			
7/10/2017	0.008	0.006	0.006	0.007	0.008	0.018	0.010	0.016	358	366	766	931	1284	0	0	0.08	1,284	914	370	0	0	0	19.1	2791.4	6.9
7/17/2017	0.007	0.005	0.005	0.007	0.014			0.007	476	456	917	1160	612	0	0	0	612	467	146	0	0	0			
7/24/2017	0.008	0.005	0.005	0.008	0.008		0.006	0.008	529	499	969	1230	244	0	0	0	244	249	0	0	0	0	21.4	3227.0	6.6
8/1/2017	0.007	0.006	0.006	0.008	0.008			0.008	546	514	964	1250	224	0	0	3	227	229	0	0	0				
8/7/2017	0.007	0.005	0.007	0.008	0.007	0.008	0.006	0.008	479	464	861	1160	229	0	0	0	229	226	4	0	0	0	21.0	2967.6	7.1
8/14/2017	0.006	0.005	0.006	0.007	0.007			0.007	429	425	797	1040	651	0	0	0	651	657	0	0	0	0			
8/21/2017	0.005	0.006	0.006	0.006	0.007		0.005	0.011	357	359	702	857	1042	0	0	0	1,042	1043	0	0	0	0	13.3	2275.0	5.8
8/28/2017	0.005	0.005	0.006	0.008	0.007			0.008	417	415	823	1040	119	0	0	0	119	126	0	0	0	0			
9/5/2017	0.006	0.006	0.005	0.008	0.008		0.006	0.012	350	355	704	790	679	0	0	0	679	689	0	0	0	0	14.1	2199.0	6.4
9/13/2017	0.011	0.007	0.006	0.010				0.005	783	672	1190	1370	0	0	0	152	152	0	0	0	152				
9/14/2017					0.011				817	710	1240	1420	0	0	0	343	343	0							
9/18/2017	0.009	0.007	0.006	0.006	0.010	0.008	0.008	0.007	838	751	1290	1460	927	0	0	0	927	0	927	0	0	0	38.6	5266.2	7.3
9/25/2017	0.008	0.006	0.006	0.005	0.007			0.008	868	769	1320	1530	1221	0	0	0	1,221	466	754	0	0	0			
Period	Total Flow ¹								WY2017 Long-term Limit				WY2017 FWMC ²				Percent of Sampling Events Greater than 10 ppb								
	(kac-ft)								(ppb)				(ppb)				Guideline		Observed						
October 1, 2016 - September 30, 2017	1,014.8								7.8				9.7				41.1%		20.0%						

Blue shaded and **bolded** dates are the bi-weekly compliance sampling events and corresponding flow-weighted mean concentrations (FWMC).

Light green shaded cell indicates there was flow at the site on the sampling day.

Notes:

1. Total of all flow at S12s + S333 + S355A + S355B + S356.

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