

Shark River Slough Second Quarter 2017

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

Total Phosphorus (TP) Tracking Provisional Data Report

Sampling Event Date	TP Concentration (mg/L)							Daily Mean Flow (cfs)									Event FWMC (ppb)
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S12A	S12B	S12C	S12D	S333	S355A	S355B	S333 + S355A&B	S334	
5/2/2016	0.008		0.006	0.006	0.010			0	0	180	292	1,207	0	141	1,348	324	8.6
5/9/2016	0.008		0.007	0.006	0.010	0.006	0.011	0	0	156	273	1,205	0	47	1,251	341	
5/16/2016	0.012		0.007	0.012	0.010			0	0	159	296	636	0	0	636	510	10.2
5/23/2016	0.011		0.008	0.012	0.015	0.007	0.014	0	0	167	319	701	0	0	701	508	
5/31/2016	0.015		0.009	0.009	0.011			0	0	144	306	702	0	0	702	516	9.6
6/6/2016	0.014		0.010	0.014	0.014	0.008	0.011	0	0	141	317	500	0	0	500	494	
6/13/2016	0.014		0.011	0.012	0.015			0	0	178	362	535	0	0	535	505	11.8
6/20/2016	0.013		0.010	0.012	0.013			0	0	196	373	556	0	0	556	494	
6/27/2016	0.012		0.008	0.009	0.015			0	0	183	338	1,142	0	0	1,142	1,002	10.0
7/5/2016	0.011		0.006	0.010	0.015			0	0	229	379	1,050	0	0	1,050	882	
7/11/2016	0.010		0.007	0.007	0.024	0.008	0.013	0	0	180	332	1,147	0	0	1,147	911	12.4
7/18/2016	0.011		0.007	0.012	0.013			0	0	161	331	1,118	0	0	1,118	896	
7/25/2016	0.009		0.005	0.007	0.019			0	0	199	351	1,151	0	0	1,151	945	9.7
8/1/2016	0.010		0.007	0.006	0.015			0	0	179	292	1,221	0	0	1,221	963	
8/8/2016	0.010		0.007	0.010	0.009			0	0	368	499	547	0	0	547	489	8.7
8/15/2016	0.007	0.006	0.008	0.010	0.010			161	144	355	522	506	0	0	506	692	
8/22/2016	0.006	0.007	0.008	0.008	0.010	0.009	0.011	135	129	307	515	392	0	0	392	0	8.3
8/29/2016	0.006	0.006	0.008	0.012	0.009			191	170	371	632	0	0	0	0	0	
9/6/2016	0.007	0.006	0.007	0.010	0.009	0.006	0.009	247	217	447	735	0	0	0	0	0	8.2
9/12/2016	0.006	0.008	0.009	0.010	0.008			280	244	490	784	132	0	0	132	126	
9/19/2016	0.005	0.005	0.006	0.008	0.007			314	279	533	842	255	0	0	255	258	6.6
9/26/2016	0.006	0.006	0.007	0.008	0.008			288	272	533	841	257	0	0	257	272	
10/3/2016	0.006	0.005	0.005	0.008	0.007	0.005	0.006	299	280	533	846	0	0	0	0	0	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			308	294	559	881	154	0	0	154	157	
10/17/2016	0.005	0.006	0.006	0.007	0.007			303	276	559	862	0	0	0	0	0	6.3
10/24/2016	0.004	0.003	0.004	0.005	0.006			276	252	523	796	0	0	0	0	0	
10/31/2016	0.004	0.004	0.004	0.007	0.007			132	243	528	796	0	0	0	0	0	5.4
11/7/2016	0.010	0.007	0.006	0.008	0.007			0	248	519	745	0	0	0	0	0	
11/14/2016	0.009	0.006	0.006	0.007	0.007	0.005	0.006	0	268	460	722	0	0	0	0	0	6.5
11/21/2016	0.008	0.005	0.002	0.007	0.006			0	237	419	657	0	0	0	0	0	
11/28/2016	0.008		0.006	0.007	0.007			0	0	266	616	0	0	0	0	0	6.7
12/5/2016	0.008				0.007			0	0	0	0	219	0	0	219	0	
12/12/2016	0.013				0.009	0.008	0.008	0	0	0	0	140	0	0	140	0	9.0
12/19/2016	0.014				0.011			0	0	0	0	110	0	0	110	0	
12/27/2016	0.009				0.010			0	0	0	0	85	0	0	85	0	10.0
1/3/2017	0.007				0.006			0	0	0	0	84	0	0	84	0	
1/9/2017	0.006				0.010	0.007	0.005	0	0	0	0	91	0	0	91	0	10.0
1/17/2017	0.007				0.005	0.007		0	0	0	0	43	0	0	43	0	
1/23/2017	0.012				0.007	0.006		0	0	0	0	28	0	0	28	0	6.0
1/30/2017	0.010				0.009	0.009		0	0	0	0	0	0	0	0	0	
2/1/2017					0.008			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	8.0
2/13/2017	0.018				0.006	0.007		0	0	0	0	99	0	0	99	0	
2/20/2017	0.014				0.008			0	0	0	0	97	0	0	97	0	8.0
2/28/2017	0.011				0.007			0	0	0	0	95	0	0	95	0	
3/6/2017	0.013				0.008			0	0	0	0	97	0	0	97	0	8.0
3/13/2017	0.018				0.008			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	N/A
3/27/2017	0.017				0.008			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	9.0
4/10/2017	0.022				0.010			0	0	0	0	102	0	0	102	91	
4/17/2017	0.030				0.014	0.069	0.098	0	0	0	0	75	0	0	75	71	14.0
4/24/2017	0.034				0.017			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	N/A
5/8/2017	0.027				0.014			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	16.0
5/22/2017	0.035				0.018			0	0	0	0	56	0	0	56	50	
5/30/2017	0.033				0.027			0	0	0	0	32	0	0	32	29	27.0
6/5/2017	0.036				0.024			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	646	846	926	0	0	926	0	44.7
6/19/2017	0.020		0.010	0.011	0.013			0	0	805	1080	959	0	0	959	312	
6/26/2017	0.014		0.010	0.009	0.017			0	0	788	1099	1392	0	0	1,392	956	10.8

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.
 S355B flows represent weir and temporary pumps.

- 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.

Period	Total Flow ¹	12-Month Moving FWMC ²	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Observed	Guideline
May 2016 - April 2017	680.8	7.8	9.5	16.0%	49.7%
June 2016 - May 2017	601.4	7.6	10.0	20.8%	52.0%
July 2016 - June 2017	658.3	12.1	9.7	25.0%	50.3%

Shark River Slough Second Quarter 2017

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

Total Phosphorus (TP) Tracking Provisional Data Report

Sampling Event Date	TP Concentration (mg/L)								Daily Mean Flow (cfs)										Event FWMC (ppb)
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S333 + S355A&B + S356	S334	
5/2/2016	0.008		0.006	0.006	0.010			0.006	0	0	180	292	1,207		141	0	1,348	324	8.6
5/9/2016	0.008		0.007	0.006	0.010	0.006	0.011	0.008	0	0	156	273	1,205		47	0	1,251	341	
5/16/2016	0.012		0.007	0.012	0.010			0.010	0	0	159	296	636			0	636	510	10.2
5/23/2016	0.011		0.008	0.012	0.015	0.007	0.014	0.012	0	0	167	319	701			0	701	508	
5/31/2016	0.015		0.009	0.009	0.011			0.010	0	0	144	306	702	0	0	4	706	516	9.6
6/6/2016	0.014		0.010	0.014	0.014	0.008	0.011	0.011	0	0	141	317	500	0	0	0	500	494	
6/13/2016	0.014		0.011	0.012	0.015			0.012	0	0	178	362	535	0	0	0	535	505	11.8
6/20/2016	0.013		0.010	0.012	0.013			0.012	0	0	196	373	556	0	0	0	556	494	
6/27/2016	0.012		0.008	0.009	0.015			0.022	0	0	183	338	1,142	0	0	0	1,142	1,002	10.0
7/5/2016	0.011		0.006	0.010	0.015			0.013	0	0	229	379	1,050	0	0	5	1,054	882	
7/11/2016	0.010		0.007	0.007	0.024	0.008	0.013	0.016	0	0	180	332	1,147	0	0	0	1,147	911	12.4
7/18/2016	0.011		0.007	0.012	0.013			0.013	0	0	161	331	1,118	0	0	0	1,118	896	
7/25/2016	0.009		0.005	0.007	0.019			0.014	0	0	199	351	1,151	0	0	0	1,151	945	9.7
8/1/2016	0.010		0.007	0.006	0.015			0.017	0	0	179	292	1,221	0	0	0	1,221	963	
8/8/2016	0.010		0.007	0.010	0.009			0.010	0	0	368	499	547	0	0	0	547	489	8.7
8/15/2016	0.007	0.006	0.008	0.010	0.010			0.011	161	144	355	522	506	0	0	0	506	692	
8/22/2016	0.006	0.007	0.008	0.008	0.010	0.009	0.011	0.007	135	129	307	515	392	0	0	133	525	0	8.2
8/29/2016	0.006	0.006	0.008	0.012	0.009			0.006	191	170	371	632	0	0	0	132	132	0	
9/6/2016	0.007	0.006	0.007	0.010	0.009	0.006	0.009	0.015	247	217	447	735	0	0	0	4	4	0	8.2
9/12/2016	0.006	0.008	0.009	0.010	0.008			0.014	280	244	490	784	132	0	0	0	132	126	
9/19/2016	0.005	0.005	0.006	0.008	0.007			0.011	314	279	533	842	255	0	0	0	255	258	6.6
9/26/2016	0.006	0.006	0.007	0.008	0.008			0.011	288	272	533	841	257	0	0	0	257	272	
10/3/2016	0.006	0.005	0.005	0.008	0.007	0.005	0.006	0.009	299	280	533	846	0	0	0	0	0	0	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			0.010	308	294	559	881	154	0	0	0	154	157	
10/17/2016	0.005	0.006	0.006	0.007	0.007			0.009	303	276	559	862	0	0	0	0	0	0	6.3
10/24/2016	0.004	0.003	0.004	0.005	0.006			0.009	276	252	523	796	0	0	0	0	0	0	
10/31/2016	0.004	0.004	0.004	0.007	0.007			0.008	132	243	528	796	0	0	0	0	0	0	5.4
11/7/2016	0.010	0.007	0.006	0.008	0.007			0.014	0	248	519	745	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	268	460	722	0	0	0	0	0	0	6.5
11/21/2016	0.008	0.005	0.002	0.007	0.006			0.008	0	237	419	657	0	0	0	0	0	0	
11/28/2016	0.008		0.006	0.007	0.007			0.007	0	0	266	616	0	0	0	0	0	0	6.7
12/5/2016	0.008				0.007			0.009	0	0	0	0	219	0	0	5	225	0	
12/12/2016	0.013				0.009	0.008	0.008	0.008	0	0	0	0	140	0	0	0	140	0	9.0
12/19/2016	0.014				0.011			0.007	0	0	0	0	110	0	0	0	110	0	
12/27/2016	0.009				0.010			0.008	0	0	0	0	85	0	0	4	89	0	9.9
1/3/2017	0.007				0.006			0.006	0	0	0	0	84	0	0	5	89	0	
1/9/2017	0.006				0.010	0.007	0.005	0.006	0	0	0	0	91	0	0	0	91	0	10.0
1/17/2017	0.007			0.005	0.007			0.006	0	0	0	0	43	0	0	3	46	0	
1/23/2017	0.012			0.007	0.006			0.008	0	0	0	0	28	0	0	0	28	0	6.0
1/30/2017	0.010			0.009	0.009			0.008	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	
2/6/2017	0.010				0.008	0.008	0.006	0.009	0	0	0	0	99	0	0	0	99	0	8.0
2/13/2017	0.018			0.006	0.007			0.010	0	0	0	0	99	0	0	0	99	0	
2/20/2017	0.014				0.008			0.009	0	0	0	0	97	0	0	0	97	0	8.0
2/28/2017	0.011				0.007			0.008	0	0	0	0	95	0	0	4	99	0	
3/6/2017	0.013				0.008			0.011	0	0	0	0	97	0	0	4	101	0	8.1
3/13/2017	0.018				0.008			0.010	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	8.0
3/27/2017	0.017				0.008			0.010	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	9.2
4/10/2017	0.022				0.010			0.023	0	0	0	0	102	0	0	0	102	91	
4/17/2017	0.030				0.014	0.069	0.098	0.016	0	0	0	0	75	0	0	0	75	71	14.0
4/24/2017	0.034				0.017			0.010	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	N/A
5/8/2017	0.027				0.014			0.010	0	0	0	0	0	0	0	0	0	0	
5/15/2017	0.029				0.016			0.014	0	0	0	0	0	0	0	0	55	52	16.0
5/22/2017	0.035				0.018			0.015	0	0	0	0	0	0	0	0	56	50	
5/30/2017	0.033				0.027			0.018	0	0	0	0	32	0	0	4	35	29	26.1
6/5/2017	0.036				0.024			0.013	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	646	846	926	0	0	0	926	0	44.7
6/19/2017	0.020		0.010	0.011	0.013			0.012	0	0	805	1080	959	0	0	0	959	312	
6/26/2017	0.014		0.010	0.009	0.017			0.022	0	0	788	1099	1392	0	0	0	1,392	956	10.8

Period	Total Flow ¹	12-Month Moving FWMC ²	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Observed	Guideline
May 2016 - April 2017	684.7	7.8	9.5	15.4%	49.6%
June 2016 - May 2017	605.2	7.6	10.0	20.0%	51.9%
July 2016 - June 2017	662.1	12.0	9.6	24.0%	50.2%

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.

S355B flows represent weir and temporary pumps.

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.