

Shark River Slough Fourth Quarter 2016

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	
11/2/2015	0.011	0.009	0.007	0.008	0.008			0	204	439	623	550	0		550	0	7.9
11/9/2015	0.014	0.010	0.006	0.009	0.010			0	193	416	605	586	0		586	0	
11/10/2015						0.029	0.023	0	91	214	444	595	0		595	0	
11/16/2015	0.013			0.009	0.009			0	0	0	309	392	0		392	0	9.0
11/23/2015	0.011			0.010	0.012			0	0	0	114	361	0		361	0	
12/1/2015	0.008			0.008	0.007			0	0	0	304	417	0		417	0	7.4
12/7/2015	0.011	0.007	0.007	0.009	0.008			0	237	814	1,040	0	0		0	0	
12/8/2015						0.011	0.009	0	461	795	1,020	0	0		0	0	
12/14/2015	0.010	0.006	0.005	0.007	0.008			0	435	742	952	23	0		23	0	6.1
12/21/2015	0.008	0.006	0.005	0.008	0.007			0	422	712	897	163	0		163	0	
12/28/2015	0.009	0.006	0.004	0.008	0.007			0	418	698	882	230	0		230	0	6.3
1/4/2016	0.011		0.006	0.008	0.008			0	0	720	919	281	0		281	0	
1/5/2016						0.008	0.008	0	0	717	916	265	0		265	0	
1/11/2016	0.008		0.006	0.006	0.006			0	0	742	932	113	0		113	0	6.0
1/19/2016	0.008		0.004	0.007	0.006			0	0	808	961	119	0		119	0	
1/25/2016	0.007		0.005	0.006	0.006			0	0	819	922	140	0		140	0	5.6
2/1/2016	0.005		0.005	0.008	0.007			0	0	1,040	1,160	0	0		0	0	
2/4/2016						0.007	0.007	0	0	1,060	1,160	1	0		1	156	
2/8/2016	0.006		0.005	0.007	0.006			0	0	1,200	1,300	338	0		338	280	6.0
2/15/2016	0.006		0.004	0.006	0.005			0	0	1,290	1,330	628	0		628	411	
2/22/2016	0.007		0.004	0.004	0.006			163	0	1,320	1,320	1,332	0		1,332	329	4.7
2/29/2016	0.006		0.004	0.004	0.007			309	0	1,290	1,340	1,341	0		1,341	0	
3/3/2016						0.006	0.006	279	0	1,260	1,320	1,321	31	0	1,352	0	
3/7/2016	0.007		0.005	0.004	0.005			267	0	1,190	1,270	1,293	12	0	1,305	0	4.8
3/14/2016	0.008		0.007	0.008	0.008			0	0	988	1,080	1,337		188	1,524	166	
3/17/2016							0.006	0	0	946	1,050	1,327		142	1,468	166	
3/21/2016	0.011		0.007	0.006	0.008			0	0	878	990	1,306		124	1,430	169	7.1
3/28/2016	0.008		0.006	0.006	0.007		0.006	0	0	731	845	1,321		170	1,491	171	
4/4/2016	0.008		0.006	0.004	0.010			0	0	639	780	1,330		180	1,510	156	7.2
4/12/2016	0.008		0.006	0.005	0.008			0	0	490	631	1,333		125	1,458	198	
4/13/2016						0.006	0.008	0	0	471	612	1,317		91	1,408	195	
4/18/2016	0.009		0.005	0.007	0.008			0	0	388	515	1,302		161	1,463	195	7.2
4/25/2016	0.010		0.006	0.007	0.006			0	0	310	439	1,246		152	1,398	187	
4/26/2016							0.016	0	0	294	422	1,232		168	1,400	187	
5/2/2016	0.008		0.006	0.006	0.010			0	0	180	292	1,207		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		47	1,251	341	
5/16/2016	0.012		0.007	0.012	0.010			0	0	159	296	636			636	510	10.2
5/23/2016	0.011		0.008	0.012	0.015	0.007	0.014	0	0	167	319	701			701	508	
5/31/2016	0.015		0.009	0.009	0.011			0	0	144	306	702			702	516	9.6
6/6/2016	0.014		0.010	0.014	0.014	0.008	0.011	0	0	141	317	500			500	494	
6/13/2016	0.014		0.011	0.012	0.015			0	0	178	362	535			535	505	11.8
6/20/2016	0.013		0.010	0.012	0.013			0	0	196	373	556			556	494	
6/27/2016	0.012		0.008	0.009	0.015			0	0	183	338	1,142			1,142	1,002	10.0
7/5/2016	0.011		0.006	0.010	0.015			0	0	229	379	1,050			1,050	882	
7/11/2016	0.010		0.007	0.007	0.024	0.008	0.013	0	0	180	332	1,147			1,147	911	12.4
7/18/2016	0.011		0.007	0.012	0.013			0	0	161	331	1,118			1,118	896	
7/25/2016	0.009		0.005	0.007	0.019			0	0	199	351	1,151			1,151	945	9.7
8/1/2016	0.010		0.007	0.006	0.015			0	0	179	292	1,221			1,221	963	
8/8/2016	0.010		0.007	0.010	0.009			0	0	368	499	547			547	489	8.7
8/15/2016	0.007	0.006	0.008	0.010	0.010			161	144	355	522	506			506	692	
8/22/2016	0.006	0.007	0.008	0.008	0.010	0.009	0.011	135	129	307	515	392			392	0	8.3
8/29/2016	0.006	0.006	0.008	0.012	0.009			191	170	371	632	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	8.2
9/12/2016	0.006	0.008	0.009	0.010	0.008			280	244	490	784	132			132	126	
9/19/2016	0.005	0.005	0.006	0.008	0.007			314	279	533	842	255			255	258	6.6
9/26/2016	0.006	0.006	0.007	0.008	0.008			288	272	533	841	257			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	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			308	294	559	881	154			154	157	
10/17/2016	0.005	0.006	0.006	0.007	0.007			303	276	559	862	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	
10/31/2016	0.004	0.004	0.004	0.007	0.007			132	243	528	796	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	
11/14/2016	0.009	0.006	0.006	0.007	0.007	0.005	0.006	0	268	460	722	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	
11/28/2016	0.008		0.006	0.007	0.007			0	0	266	616	0			0	0	6.7
12/5/2016	0.008				0.007			0	0	0	0	219			219	0	
12/12/2016	0.013				0.009	0.008	0.008	0	0	0	0	140			140	0	9.0
12/19/2016	0.014				0.011			0	0	0	0	110			110	0	
12/27/2016	0.009				0.010			0	0	0	0	85			85	0	10.0

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.
 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
November 2015 - October 2016	1442.8	6.8	7.6	11.1%	40.1%
December 2015 - November 2016	1461.5	6.7	7.6	11.1%	40.1%
January 2016 - December 2016	1343.5	6.8	7.6	11.1%	40.1%

Shark River Slough Fourth Quarter 2016

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
11/2/2015	0.011	0.009	0.007	0.008	0.008			0.006	0	204	439	623	550	0		0	550	0	7.6
11/9/2015	0.014	0.010	0.006	0.009	0.010			0.007	0	193	416	605	586	0		0	267	852	
11/10/2015							0.029	0.023	0	91	214	444	595	0		0	262	857	0
11/16/2015	0.013			0.009	0.009			0.007	0	0	0	309	392	0		0	267	659	8.4
11/23/2015	0.011			0.010	0.012			0.007	0	0	0	114	361	0		0	267	628	0
12/1/2015	0.008			0.008	0.007			0.006	0	0	0	304	417	0		0	267	683	7.0
12/7/2015	0.011	0.007	0.007	0.009	0.008			0.009	0	237	814	1,040	0	0		0	0	0	0
12/8/2015							0.011	0.009	0	461	795	1,020	0	0		0	0	0	0
12/14/2015	0.010	0.006	0.005	0.007	0.008			0.004	0	435	742	952	23	0		0	266	289	5.9
12/21/2015	0.008	0.006	0.005	0.008	0.007			0.005	0	422	712	897	163	0		0	267	429	0
12/28/2015	0.009	0.006	0.004	0.008	0.007			0.006	0	418	698	882	230	0		0	266	496	6.2
1/4/2016	0.011		0.006	0.008	0.008			0.005	0	0	720	919	281	0		0	266	548	0
1/5/2016							0.008	0.008	0	0	717	916	265	0		0	266	531	0
1/11/2016	0.008		0.006	0.006	0.006			0.005	0	0	742	932	113	0		0	270	383	5.9
1/19/2016	0.008		0.004	0.007	0.006			0.006	0	0	808	961	119	0		0	262	381	0
1/25/2016	0.007		0.005	0.006	0.006			0.007	0	0	819	922	140	0		0	46	186	5.6
2/1/2016	0.005		0.005	0.008	0.007			0.007	0	0	1,040	1,160	0	0		0	0	0	0
2/4/2016							0.007	0.007	0	0	1,060	1,160	1	0		0	4	5	156
2/8/2016	0.006		0.005	0.007	0.006			0.010	0	0	1,200	1,300	338	0		0	338	280	6.0
2/15/2016	0.006		0.004	0.006	0.005			0.006	0	0	1,290	1,330	628	0		0	628	411	
2/22/2016	0.007		0.004	0.004	0.006			0.007	163	0	1,320	1,320	1,332	0		0	1,332	329	4.7
2/29/2016	0.006		0.004	0.004	0.007			0.008	309	0	1,290	1,340	1,341	0		0	1,341	0	
3/3/2016							0.006	0.006	279	0	1,260	1,320	1,321	31	0		0	1,352	0
3/7/2016	0.007		0.005	0.004	0.005			0.008	267	0	1,190	1,270	1,293	12	0		0	1,305	4.8
3/14/2016	0.008		0.007	0.008	0.008			0.006	0	0	988	1,080	1,337		188	0	1,524	166	
3/17/2016								0.006	0	0	946	1,050	1,327		142	4	1,472	166	
3/21/2016	0.011		0.007	0.006	0.008			0.007	0	0	878	990	1,306		124	0	1,430	169	7.1
3/28/2016	0.008		0.006	0.006	0.007			0.006	0	0	731	845	1,321		170	0	1,491	171	
4/4/2016	0.008		0.006	0.004	0.010			0.008	0	0	639	780	1,330		180	0	1,510	156	7.2
4/12/2016	0.008		0.006	0.005	0.008			0.008	0	0	490	631	1,333		125	0	1,458	198	
4/13/2016							0.006	0.008	0	0	471	612	1,317		91	4	1,412	195	
4/18/2016	0.009		0.005	0.007	0.008			0.008	0	0	388	515	1,302		161	0	1,463	195	7.2
4/25/2016	0.010		0.006	0.007	0.006			0.006	0	0	310	439	1,246		152	0	1,398	187	
4/26/2016								0.016	0	0	294	422	1,232		168	4	1,404	187	
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			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	500	494	
6/13/2016	0.014		0.011	0.012	0.015			0.012	0	0	178	362	535			0	535	505	11.8
6/20/2016	0.013		0.010	0.012	0.013			0.012	0	0	196	373	556			0	556	494	
6/27/2016	0.012		0.008	0.009	0.015			0.022	0	0	183	338	1,142			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			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	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	1,118	896	
7/25/2016	0.009		0.005	0.007	0.019			0.014	0	0	199	351	1,151			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	1,221	963	
8/8/2016	0.010		0.007	0.010	0.009			0.010	0	0	368	499	547			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	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			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			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			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	132	126	
9/19/2016	0.005	0.005	0.006	0.008	0.007			0.011	314	279	533	842	255			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	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	6.4
10/10/2016	0.005	0.005	0.005	0.007	0.007			0.010	308	294	559	881	154			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	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	
10/31/2016	0.004	0.004	0.004	0.007	0.007			0.008	132	243	528	796	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	
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	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	
11/28/2016	0.008		0.006	0.007	0.007			0.007	0	0	266	616	0			0	0	0	6.7
12/5/2016	0.008				0.007			0.009	0	0	0	0	219			5	225	0	
12/12/2016	0.013				0.009	0.008	0.008	0.008	0	0	0	0	140			0	140	0	9.0
12/19/2016	0.014				0.011			0.007	0	0	0	0	110			0	110	0	
12/27/2016	0.009				0.010			0.008	0	0	0	0	85			4	89	0	9.9

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
November 2015 - October 2016	1483.6	6.8	7.6	11.1%	40.1%
December 2015 - November 2016	1486.7	6.7	7.6	11.1%	40.1%
January 2016 - December 2016	1358.0	6.8	7.6	11.1%	40.1%

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.