

Shark River Slough Water Year 2020

Method 1.5: S12s + [S333 + S355A + S355B + minimum(S356,S335) - S334]
Total Phosphorus (TP) Tracking Data Report

Sampling Event Date	TP Concentration (mg/L)								Daily Mean Flow (cfs)											S334 Adjusted Flow (cfs)				FWMC: S12s + [S333+S355A&B+ min(S356,S335)-S334]			
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S335	min (S356, S335)	S333 + S355A&B + min(S356,S335)	S334	S333	S355A	S355B	min(S356, S335)	Loads	Total Flow	FWMC
10/7/2019	0.012		0.007	0.008	0.008			0.006	0	0	295	483	955	0	0	400	84	84	1038	0	955	0	0	84			
10/14/2019	0.008		0.007	0.007	0.008	0.006	0.007	0.005	0	0	0	423	0	0	0	400	178	178	178	0	0	0	0	178	3.85	601	6.4
10/21/2019	0.010		0.007	0.007	0.008			0.008	0	0	380	536	1179	0	0	400	173	173	1352	0	1179	0	0	173			
10/28/2019	0.011		0.007	0.008	0.008	0.009	0.011	0.006	0	0	350	494	1019	0	0	395	170	170	1189	0	1019	0	0	170	15.57	2,033	7.7
11/4/2019	0.011		0.005	0.008	0.008			0.005	0	0	0	0	903	0	0	396	169	169	1072	0	903	0	0	169			
11/12/2019	0.008		0.008	0.009	0.009	0.006	0.009	0.005	0	0	0	0	20	0	0	264	154	154	174	0	20	0	0	154	0.95	174	5.5
11/18/2019	0.008			0.010	0.010			0.005	0	0	0	0	0	0	259	148	148	148	0	0	0	0	148				
11/25/2019	0.011		0.013	0.009	0.009			0.004	0	0	0	0	0	0	133	123	123	123	0	0	0	0	123	0.49	123	4.0	
12/2/2019	0.010		0.007	0.008	0.008			0.008	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0			
12/9/2019	0.009			0.006	0.006	0.005	0.012	0.012	0	0	0	0	106	0	0	0	59	0	106	110	--	0	0	0	0.00	0	No flow
12/16/2019	0.013			0.007	0.007			0.013	0	0	0	0	108	0	0	0	48	0	108	101	7	0	0	0			
12/26/2019	0.011			0.008	0.008			0.008	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0.00	0	No flow
12/30/2019	0.008			0.008	0.008			0.009	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0			
1/6/2020	0.008			0.009	0.009	0.007	0.010	0.010	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0.00	0	No flow
1/13/2020	0.007			0.008	0.008			0.016	0	0	0	0	166	0	0	0	82	0	166	166	--	0	0	0			
1/21/2020	0.012			0.007	0.007			0.013	0	0	0	0	213	0	0	1	63	1	214	206	8	0	0	0.02	0.05	8	7.0
1/27/2020	0.010			0.008	0.008			0.010	0	0	0	0	251	0	0	0	36	0	251	250	0.6	0	0	0			
2/3/2020	0.011			0.007	0.009	0.008	0.012	0.012	0	0	0	0	125	0	0	0	52	0	125	106	19	0	0	0	0.13	19	7.0
2/10/2020	0.011			0.006	0.006			0.012	0	0	0	0	163	0	0	0	52	0	163	163	0.3	0	0	0			
2/17/2020	0.010			0.006	0.008	0.010	0.010	0.010	0	0	0	0	160	0	0	0	48	0	160	161	--	0	0	0	0.00	0	No flow
2/24/2020	0.012			0.008	0.008			0.012	0	0	0	0	239	0	0	1	35	1	240	244	--	0	0	0			
3/2/2020	0.008			0.007	0.010	0.013	0.012	0.012	0	0	0	0	196	0	0	0	8	0	196	190	7	0	0	0	0.05	7	7.0
3/9/2020	0.013			0.010	0.010			0.016	0	0	0	0	254	0	0	2	0	0	254	242	13	0	0	0			
3/16/2020	0.026			0.010	0.010	0.029	0.011	0.011	0	0	0	0	203	0	0	12	0	0	203	205	--	0	0	0	0.00	0	No flow
3/23/2020	0.029			0.011	0.011			0.014	0	0	0	0	282	0	0	0	0	0	282	275	7	0	0	0			
3/30/2020	0.038			0.016	0.016			0.015	0	0	0	0	192	0	0	0	0	0	192	191	0.8	0	0	0	0.01	1	16.0
4/6/2020	0.040			0.023	0.023			0.016	0	0	0	0	240	0	0	14	0	0	240	228	11.5	0	0	0			
4/13/2020	0.037			0.021	0.021			0.021	0	0	0	0	219	0	0	0	0	0	219	219	0.1	0	0	0	0.0019	0.09	21.0
4/20/2020	0.029			0.019	0.019			0.019	0	0	0	0	226	0	0	0	0	0	226	227	--	0	0	0			
4/27/2020	0.020			0.025	0.038	0.033	0.028	0.028	0	0	0	0	263	0	0	0	0	0	263	253	11	0	0	0	0.27	11	25.0
5/4/2020	0.032			0.025	0.025			0.023	0	0	0	0	288	0	0	0	0	0	288	285	2.8	0	0	0			
5/11/2020	0.026			0.027	0.027			0.024	0	0	0	0	317	0	0	0	0	0	317	305	11	0	0	0	0.31	11	27.0
5/18/2020	0.029			0.026	0.026			0.024	0	0	0	0	239	0	0	0	0	0	239	220	19	0	0	0			
5/26/2020	0.025			0.021	0.022	0.040	0.011	0.011	0	0	0	0	0	0	0	202	0	0	0	0	0	0	0	0.00	0	No flow	
6/1/2020	0.042			0.022	0.022			0.007	0	0	0	0	981	0	0	266	0	0	981	0	981	0	0	0			
6/8/2020	0.024		0.015	0.017	0.016			0.006	0	0	140	295	252	0	0	372	0	0	252	0	252	0	0	0	11.15	687	16.2
6/15/2020	0.017		0.010	0.014	0.014			0.005	0	0	147	332	651	0	0	332	0	0	651	0	651	0	0	0			
6/22/2020	0.014		0.008	0.012	0.013	0.010	0.017	0.006	0	0	194	435	678	0	0	485	32	32	711	0	678	0	0	32	15.78	1,340	11.8
6/29/2020	0.017		0.010	0.012	0.015			0.005	0	0	174	403	1369	0	0	399	33	33	1402	0	1369	0	0	33			
7/6/2020	0.014		0.010	0.010	0.019			0.006	0	0	178	407	1351	0	0	396	0	0	1351	0	1351	0	0	0	31.53	1,936	16.3
7/13/2020	0.022		0.009	0.010	0.009			0.005	0	0	197	415	1335	0	0	442	0	0	1335	0	1335	0	0	0			
7/20/2020	0.009	0.006	0.006	0.010	0.011	0.022	0.014	0.004	0	200	211	412	1360	0	0	133	58	58	1418	0	1360	0	0	58	21.77	2,241	9.7
7/27/2020	0.006	0.005	0.005	0.009	0.009			0.005	328	223	240	456	1359	0	0	397	63	63	1422	0	1359	0	0	63			
8/3/2020	0.007	0.006	0.007	0.013	0.009	0.008	0.011	0.005	329	227	247	483	1395	0	0	400	127	127	1522	0	1395	0	0	127	24.86	2,808	8.9
8/10/2020	0.006	0.006	0.007	0.009	0.009			0.006	313	226	257	516	1387	0	0	394	121	121	1508	0	1387	0	0	121			
8/17/2020	0.006	0.005	0.006	0.009	0.010			0.004	263	195	236	512	804	0	0	394	168	168	972	0	804	0	0	168	17.29	2,178	7.9
8/24/2020	0.006	0.005	0.006	0.008	0.009			0.006	271	200	232	481	1245	0	0	400	173	173	1418	0	1245	0	0	173			
8/31/2020	0.008	0.008	0.009	0.010	0.008			0.005	287	226	272	591	283	0	0	400	178	178	461	0	283	0	0	178	15.62	1,837	8.5
9/8/2020	0.006	0.005	0.006	0.008	0.008			0.006	323	248	275	547	1162	0	0	400	253	253	1415	0	1162	0	0	253			
9/14/2020	0.006	0.005	0.005	0.008	0.008			0.005	295	230	258	507	1386	0	0	388	252	252	1638	0	1386	0	0	252	20.61	2,928	7.0
9/21/2020	0.006	0.007	0.006	0.008	0.009			0.006	258	217	265	549	522	0	0	449	237	237	758	0	522	0	0	237			
9/28/2020	0.007	0.007	0.007	0.008	0.009	0.006	0.007	0.004	341	297	378	779	0	0	0	468	269	269	269	0	0	0	0	269	14.42	2,064	7.0

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.
"--" in flow data indicates the value was negative and zeroed out.

- Notes:
1. Calculation Method 1.5 was applied to the entire periods indicated.
2. Total of all flow at S12s + S333 + S355A + S355B + minimum(S356, S335)
3. The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.

Period ¹	Total Flow ²	12-Month Moving FWMC ³	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Guideline (%)	Observed (%)
October 2019 - September 2020	692.7	9.3	9.5	49.3	35.0