

Shark River Slough Water Year 2019

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

Total Phosphorus (TP) Tracking **Provisional** Data Report

WY2019 (October 1, 2018 - September 30, 2019)

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)								
10/1/2018	0.005	NOB ¹	0.005	0.007	0.007	0.007	0.010	79	86	446	669	977	0	0	977	0	977	0	0	14.15	2,171	6.5								
10/8/2018	0.011		0.006	0.008	0.008			0	0	497	727	692	0	113	804	0	692	0	113											
10/15/2018	0.010		0.007	0.008	0.007		0.006	0	0	472	684	816	0	169	984	0	816	0	169	15.50	2,140	7.2								
10/22/2018	0.011		0.006	0.008	0.009			0	0	391	547	1077	0	0	1077	0	1077	0	0											
10/30/2018	0.011				0.009			0	0	0	0	491	0	0	491	0	491	0	0	4.42	491	9.0								
11/5/2018	0.010				0.010			0	0	0	0	118	0	0	118	0	118	0	0											
11/13/2018	0.042				0.013	0.008	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0									
11/19/2018	0.014				0.012			0	0	0	0	53	0	0	53	46	7	0	0											
11/26/2018	0.016			0.008	0.011			0	0	0	0	110	0	0	110	109	1	0	0	0.01	1	11.0								
12/3/2018	0.010	0.013	0.011	0.007	0.007			0	0	0	0	239	0	0	239	230	9	0	0											
12/11/2018	0.014				0.009	0.008	0.006	0	0	0	0	248	0	0	248	234	14	0	0	0.12	14	9.0								
12/17/2018	0.014			0.007	0.009			0	0	0	0	244	0	0	244	230	14	0	0											
12/27/2018	0.019				0.008			0	0	0	0	241	0	0	241	229	12	0	0	0.09	12	8.0								
1/2/2019	0.019				0.008			0	0	0	0	241	0	0	241	230	11	0	0											
1/7/2019	0.020				0.010	0.013	0.012	0	0	0	0	242	0	0	242	224	18	0	0	0.18	18	10.0								
1/14/2019	0.015				0.010			0	0	0	0	240	0	0	240	225	15	0	0											
1/22/2019	0.017				0.010			0	0	0	0	235	0	0	235	220	14	0	0	0.14	14	10.0								
1/28/2019	0.019				0.009			0	0	0	0	169	0	0	169	151	19	0	0											
2/4/2019	0.016				0.010			0	0	0	0	253	0	0	253	224	30	0	0	0.30	30	10.0								
2/12/2019	0.022				0.010			0	0	0	0	364	0	0	364	225	138	0	0											
2/18/2019	0.023				0.011	0.011	0.013	0	0	0	0	489	0	0	489	229	261	0	0	2.87	261	11.0								
2/25/2019	0.021				0.016			0	0	0	0	1118	0	0	1118	257	861	0	0											
3/5/2019	0.018				0.017			0	0	0	0	1223	0	0	1223	236	987	0	0	16.78	987	17.0								
3/11/2019	0.015				0.012			0	0	0	0	893	0	0	893	249	644	0	0											
3/18/2019	0.014				0.012	0.017	0.019	0	0	230	0	36	0	0	36	111	-	0	0	0.00	0									
3/25/2019	0.016				0.012	0.013	0.014	0	0	232	0	247	0	0	247	246	1	0	0											
4/1/2019	0.030				0.015			0	0	0	0	658	0	0	658	261	397	0	0	5.96	397	15.0								
4/8/2019	0.018				0.014			0	0	0	0	511	0	0	511	241	270	0	0											
4/15/2019	0.018				0.012			0	0	0	0	594	0	0	594	262	331	0	0	3.98	331	12.0								
4/22/2019	0.024				0.012			0	0	0	0	531	0	0	531	254	277	0	0											
4/29/2019	0.026				0.012	0.021	0.029	0	0	0	0	549	0	0	549	309	240	0	0	2.88	240	12.0								
5/6/2019	0.019				0.013			0	0	0	0	285	0	0	285	251	34	0	0											
5/13/2019	0.018				0.012			0	0	0	0	402	0	0	402	138	264	0	0	3.17	264	12.0								
5/20/2019	0.021				0.031			0	0	0	0	1161	0	0	1161	255	906	0	0											
5/28/2019	0.024				0.019	0.020	0.028	0	0	0	0	640	0	0	640	356	285	0	0	5.41	285	19.0								
6/3/2019	0.031				0.013			0	0	0	0	492	0	0	492	332	161	0	0											
6/10/2019	0.025				0.016			0	0	0	0	66	0	0	66	58	8	0	0	0.13	8	16.0								
6/17/2019	0.020				0.009			0	0	0	0	672	0	0	672	0	672	0	0											
6/24/2019	0.016				0.019	0.013	0.022	0	0	0	0	1227	0	0	1227	0	1227	0	0	23.31	1227	19.0								
7/1/2019	0.019			0.009	0.011	0.016		0	0	164	257	1,056	0	0	1,477	0	1,056	0	0											
7/8/2019	0.026			0.011	0.012	0.010	0.014	0	0	159	255	969	0	0	1,383	0	969	0	0	14.50	1383	10.5								
7/15/2019	0.021			0.009	0.012	0.014		15	12	29	312	914	0	0	1,282	0	914	0	0											
7/22/2019	0.012	0.009	0.008	0.011	0.013			34	18	20	284	902	0	0	1,258	0	902	0	0	15.58	1258	12.4								
7/29/2019	0.012	0.012	0.011	0.012	0.012			52	48	43	351	824	0	0	1,318	0	824	0	0											
8/5/2019	0.010	0.009	0.008	0.012	0.012	0.017	0.010	55	82	128	425	802	0	0	1,492	0	802	0	0	17.04	1492	11.4								
8/12/2019	0.009	0.007	0.008	0.011	0.010			72	118	179	564	697	0	0	1,630	0	697	0	0											
8/19/2019	0.008	0.007	0.008	0.010	0.010			75	123	182	574	795	0	0	1,749	0	795	0	0	16.61	1749	9.5								
8/26/2019	0.007	0.007	0.006	0.010	0.009			66	108	168	516	1,137	0	0	1,995	0	1,137	0	0											
9/4/2019	0.007	0.006	0.007	0.008	0.010	0.009	0.010	80	133	198	611	1,205	0	0	2,227	0	1,205	0	0	19.68	2227	8.8								
9/9/2019	0.007	0.007	0.008	0.010	0.011			74	126	192	602	1,075	0	0	2,069	0	1,075	0	0											
9/16/2019	0.007	0.006	0.006	0.008	0.007	0.007	0.008	90	144	321	650	1,083	0	0	2,288	0	1,083	0	0	16.20	2288	7.1								
9/23/2019	0.006	0.006	0.007	0.008	0.007			86	138	205	643	1,045	0	0	2,117	0	1,045	0	0											
9/30/2019	0.006	0.006	0.007	0.008	0.007			72	114	174	544	1,010	0	0	1,914	0	1,010	0	0	13.75	1914	7.2								
Period	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 1, 2018 - September 30, 2019							646.8									10.0									9.7			50.7%		52.0%

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 temporary pumps.

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

Notes:

1. NOB: No flow was observed at the time of the sampling visit. No sample collected.
2. Total of all flow at S12s + S333 + S355A + S355B + S356.
3. The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.

Shark River Slough Water Year 2019

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

Total Phosphorus (TP) Tracking **Provisional** Data Report

WY2019 (October 1, 2018 - September 30, 2019)

Sampling Event Date	TP Concentration (mg/L)								Daily Mean Flow (cfs)									S334 Adjusted Flow (cfs)				FWMC: S12s + [(S333+S355A&B)-S334]			
	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S355A	S355B	S356	S333 + S355A&B + S356	S334	S333	S355A	S355B	S356	Loads	Total Flow	FWMC
10/1/2018	0.005	NOB	0.005	0.007	0.007	0.007	0.010	0.004	79	86	446	669	977	0	0	396	1,373	0	977	0	0	396	15.73	2,567	6.1
10/8/2018	0.011		0.006	0.008	0.008			0.006	0	0	497	727	692	0	113	400	1,204	0		0	113	400			
10/15/2018	0.010		0.007	0.008	0.007		0.006	0.006	0	0	472	684	816	0	169	335	1,319	0	816	0	169	335	17.51	2,475	7.1
10/22/2018	0.011		0.006	0.008	0.009			0.005	0	0	391	547	1077	0	0	131	1,208	0	1077	0	0	131			
10/30/2018	0.011				0.009			0.009	0	0	0	0	491	0	0	0	491	0	491	0	0	0	4.42	491	9.0
11/5/2018	0.010				0.010			0.009	0	0	0	0	118	0	0	0	118	0	118	0	0	0			
11/13/2018	0.042				0.013	0.008	0.009	0.008	0	0	0	0	0	0	0	0	0	0		0	0	0	0.00	0	
11/19/2018	0.014				0.012			0.013	0	0	0	0	53	0	0	0	53	46		0	0	0			
11/26/2018	0.016			0.008	0.011			0.013	0	0	0	0	110	0	0	0	110	109	1	0	0	0	0.01	1	11.0
12/3/2018	0.010	0.013	0.011	0.007	0.007			0.012	0	0	0	0	239	0	0	0	239	230	9	0	0	0			
12/11/2018	0.014				0.009	0.008	0.006	0.011	0	0	0	0	248	0	0	0	248	234	14	0	0	0	0.12	14	9.0
12/17/2018	0.014			0.007	0.009			0.012	0	0	0	0	244	0	0	0	244	230	14	0	0	0			
12/27/2018	0.019				0.008			0.011	0	0	0	0	241	0	0	0	241	229	12	0	0	0	0.09	12	8.0
1/2/2019	0.019				0.008			0.013	0	0	0	0	241	0	0	0	241	230	11	0	0	0			
1/7/2019	0.020				0.010	0.013	0.012	0.012	0	0	0	0	242	0	0	0	242	224	18	0	0	0	0.18	18	10.0
1/14/2019	0.015				0.010	0.016		0.016	0	0	0	0	240	0	0	0	240	225	15	0	0	0			
1/22/2019	0.017				0.010			0.015	0	0	0	0	235	0	0	0	235	220	14	0	0	0	0.14	14	10.0
1/28/2019	0.019				0.009			0.015	0	0	0	0	169	0	0	0	169	151	19	0	0	0			
2/4/2019	0.016				0.010			0.014	0	0	0	0	253	0	0	0	254	224	30	0	0	0	0.30	30	10.0
2/12/2019	0.022				0.010			0.018	0	0	0	0	364	0	0	0.4	364	225	138	0	0	0.2			
2/18/2019	0.023				0.011	0.011	0.013	0.016	0	0	0	0	489	0	0	0	489	229	261	0	0	0	2.87	261	11.0
2/25/2019	0.021				0.016			0.016	0	0	0	0	1118	0	0	10	1,128	257	863	0	0	8			
3/5/2019	0.018				0.017			0.014	0	0	0	0	1223	0	0	0	1,223	236	987	0	0	0	16.78	987	17.0
3/11/2019	0.015				0.012			0.014	0	0	0	0	893	0	0	0	893	249	644	0	0	0			
3/18/2019	0.014		NOB		0.012	0.017	0.019	0.019	0	0	230	0	36	0	0	0	36	111		0	0	0	0.00	0	
3/25/2019	0.016		NOB		0.012	0.013	0.014	0.019	0	0	232	0	247	0	0	0	247	246	1	0	0	0			
4/1/2019	0.030				0.015			0.018	0	0	0	0	658	0	0	0	658	261	397	0	0	0	5.96	397	15.0
4/8/2019	0.018				0.014			0.014	0	0	0	0	511	0	0	0	511	241	270	0	0	0			
4/15/2019	0.018				0.012			0.016	0	0	0	0	594	0	0	0	594	262	331	0	0	0	3.98	331	12.0
4/22/2019	0.024				0.012			0.016	0	0	0	0	531	0	0	0	531	254	277	0	0	0			
4/29/2019	0.026				0.012	0.021	0.029	0.016	0	0	0	0	549	0	0	0	549	309	240	0	0	0	2.88	240	12.0
5/6/2019	0.019				0.013			0.024	0	0	0	0	285	0	0	0	285	251	34	0	0	0			
5/13/2019	0.018				0.012			0.014	0	0	0	0	402	0	0	0	402	138	264	0	0	0	3.17	264	12.0
5/20/2019	0.021				0.031			0.014	0	0	0	0	1161	0	0	0	1,161	255	906	0	0	0			
5/28/2019	0.024				0.019	0.020	0.028	0.017	0	0	0	0	640	0	0	0	640	356	285	0	0	0	5.41	285	19.0
6/3/2019	0.031				0.013			0.019	0	0	0	0	492	0	0	0	492	332	161	0	0	0			
6/10/2019	0.025				0.016			0.017	0	0	0	0	66	0	0	0	66	58	8	0	0	0	0.13	8	16.0
6/17/2019	0.020				0.009			0.008	0	0	0	0	672	0	0	223	895	0	672	0	0	223			
6/24/2019	0.016				0.019	0.013	0.022	0.007	0	0	0	0	1227	0	0	264	1,491	0	1227	0	0	264	25.16	1,491	16.9
7/1/2019	0.019		0.009	0.011	0.016			0.007	0	0	164	257	1,056	0	0	346	1,402	0	1,056	0	0	346			
7/8/2019	0.026		0.011	0.012	0.010	0.014	0.017	0.005	0	0	159	255	969	0	0	420	1,389	0	969	0	0	420	16.60	1,803	9.2
7/15/2019	0.021		0.009	0.012	0.014			0.006	15	12	29	312	914	0	0	398	1,312	0	914	0	0	398			
7/22/2019	0.012	0.009	0.008	0.011	0.013			0.006	34	18	20	284	902	0	0	357	1,259	0	902	0	0	357	17.72	1,615	11.0
7/29/2019	0.012	0.012	0.011	0.012	0.012			0.007	52	48	43	351	824	0	0	357	1,180	0	824	0	0	357			
8/5/2019	0.010	0.009	0.008	0.012	0.012	0.017	0.010	0.006	55	82	128	425	802	0	0	398	1,200	0	802	0	0	398	19.43	1,890	10.3
8/12/2019	0.009	0.007	0.008	0.011	0.010			0.006	72	118	179	564	697	0	0	398	1,095	0	697	0	0	398			
8/19/2019	0.008	0.007	0.008	0.010	0.010	0.014	0.014	0.004	75	123	182	574	795	0	0	398	1,193	0	795	0	0	398	18.20	2,147	8.5
8/26/2019	0.007	0.007	0.006	0.010	0.009	0.006	0.006	0.006	66	108	168	516	1,137	0	0	399	1,536	0	1,137	0	0	399			
9/4/2019	0.007	0.006	0.007	0.008	0.010	0.009	0.010	0.006	80	133	198	611	1,205	0	0	404	1,609	0	1,205	0	0	404	22.10	2,631	8.4
9/9/2019	0.007	0.007	0.008	0.010	0.011			0.006	74	126	192	602	1,075	0	0	399	1,474	0	1,075	0	0	399			
9/16/2019	0.007	0.006	0.006	0.008	0.007	0.007	0.008	0.006	90	144	321	650	1,083	0	0	399	1,482	0	1,083	0	0	399	18.59	2,687	6.9
9/23/2019	0.006	0.006	0.007	0.008	0.007			0.006	86	138	205	643	1,045	0	0	400	1,446	0	1,045	0	0	400			
9/30/2019	0.006	0.006	0.007	0.008	0.007			0.007	72	114	174	544	1,010	0	0	395	1,405	0	1,010	0	0	395	16.52	2,309	7.2

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 temporary pumps.

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

Notes:

1. NOB: No flow was observed at the time of the sampling visit. No sample collected.
2. Total of all flow at S12s + S333 + S355A + S355B + S356.
3. The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.