

Shark River Slough Water Year 2018

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

Total Phosphorus (TP) Tracking Provisional Data Report

WY2018 (October 1, 2017 - September 30, 2018)

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)
10/2/2017	0.006	0.006	0.005	0.008	0.009	0.007	0.006	1,171	1,068	1,080	1,469	409	0	0	409	237	171	0	0	32.13	4,959	6.5
10/9/2017	0.008	0.006	0.006	0.007	0.007			1,398	1,290	1,070	1,548	99	0	0	99	106	-	0	0			
10/16/2017	0.008	0.005	0.004	0.006	0.007	0.006	0.012	1,378	1,272	982	1,628	377	0	0	377	377	1	0	0	31.09	5,261	5.9
10/23/2017	0.008	0.007	0.005	0.008	0.007			1,281	1,185	1,154	1,554	440	0	0	440	436	4	0	0			
10/30/2017	0.007	0.006	0.005	0.007	0.007			1,347	1,259	1,117	1,694	117	0	0	117	112	5	0	0	34.46	5,422	6.4
11/6/2017	0.007	0.006	0.006	0.008	0.007			1,195	1,117	1,052	1,540	631	0	0	631	628	3	0	0			
11/13/2017	0.005	0.004	0.004	0.006	0.007	0.006	0.011	1,014	956	957	1,335	858	0	0	858	867	-	0	0	20.73	4,262	4.9
11/20/2017	0.005	0.004	0.004	0.006	0.005			845	794	1,152	1,179	860	0	0	860	868	-	0	0			
11/27/2017	0.005	0.004	0.003	0.006	0.006			695	629	822	1,132	1,416	0	0	1,416	926	491	0	0	18.19	3,769	4.8
12/4/2017	0.005	0.006	0.004	0.006	0.005			559	511	909	1,014	1,716	0	0	1,716	1,016	700	0	0			
12/11/2017	0.004	0.005	0.004	0.006	0.006	0.004	0.006	458	441	768	855	1,495	0	0	1,495	632	862	0	0	17.41	3,384	5.1
12/18/2017	0.004	0.005	0.003	0.006	0.007			374	369	901	1,047	1,497	0	0	1,497	733	763	0	0			
12/26/2017	0.005	0.004	0.005	0.006	0.007			301	306	821	955	1,490	0	0	1,490	740	750	0	0	17.81	3,133	5.7
1/2/2018	0.010		0.005	0.006	0.007			0	0	576	914	1,489	0	0	1,489	769	721	0	0			
1/8/2018	0.005		0.004	0.005	0.004	0.005	0.004	0	0	639	1,014	262	0	0	262	258	4	0	0	7.64	1,657	4.6
1/16/2018	0.010		0.006	0.007	0.006			0	0	507	817	258	0	0	258	255	3	0	0			
1/22/2018	0.008	0.010	0.005	0.005	0.006	0.003	0.003	0	0	468	736	232	0	0	232	137	96	0	0	6.59	1,300	5.1
1/29/2018	0.011		0.006	0.006	0.006			0	0	238	703	122	0	0	122	0	122	0	0			
2/5/2018	0.012			0.007	0.008			0	0	0	505	415	0	0	415	0	415	0	0	6.85	920	7.5
2/12/2018	0.013			0.009	0.010			0	0	0	372	506	0	0	506	90	416	0	0			
2/19/2018	0.015			0.008	0.009	0.010	0.013	0	0	0	352	586	0	0	586	137	449	0	0	6.86	801	8.6
2/26/2018	0.017				0.011			0	0	0	454	0	0	0	454	130	324	0	0			
3/5/2018	0.021			0.010	0.014	0.012	0.012	0	0	0	291	0	0	0	291	123	168	0	0	2.35	168	14.0
3/12/2018	0.019			0.009	0.009			0	0	0	187	0	0	0	187	154	33	0	0			
3/19/2018	0.023			0.011	0.012			0	0	0	156	0	0	0	156	156	0	0	0	0.01	0	12.0
3/26/2018	0.024			0.011	0.012			0	0	0	163	0	0	0	163	129	33	0	0			
4/2/2018	0.032			0.014	0.014			0	0	0	159	0	0	0	159	134	25	0	0	0.35	25	14.0
4/9/2018	0.038			0.015	0.024			0	0	0	154	0	0	0	154	147	7	0	0			
4/16/2018	0.039	0.026	0.018	0.015	0.018	0.067	0.074	0	0	0	274	0	0	0	274	258	17	0	0	0.30	17	18.0
4/23/2018	0.047			0.020	0.030			0	0	0	296	0	0	0	296	279	17	0	0			
4/30/2018	0.044			0.024	0.032			0	0	0	346	0	0	0	346	324	22	0	0	0.71	22	32.0
5/7/2018	0.046			0.024	0.032			0	0	0	354	0	0	0	354	331	23	0	0			
5/14/2018	0.042			0.030	0.023	0.060	0.123	0	0	0	347	0	0	0	347	313	33	0	0	0.77	33	23.0
5/21/2018	0.024			0.020	0.018			0	0	0	0	0	0	0	0	0	0	0	0			
5/29/2018	0.030			0.012	0.014	0.053		0	0	413	622	715	0	0	715	0	715	0	0	51.56	1,750	29.5
6/4/2018	0.023			0.009	0.012	0.046		0	0	451	704	662	0	0	662	0	662	0	0			
6/11/2018	0.020			0.010	0.012	0.016	0.012	0	0	508	823	620	0	0	620	0	620	0	0	24.87	1,951	12.7
6/18/2018	0.015			0.007	0.010	0.009		0	0	660	850	565	0	0	565	0	565	0	0			
6/25/2018	0.018			0.008	0.012	0.009		0	0	713	937	441	0	0	441	0	441	0	0	20.91	2,091	10.0
7/2/2018	0.014			0.011	0.008	0.008		0	0	812	945	1,105	0	0	1,105	0	1,105	0	0			
7/9/2018	0.009	0.009	0.007	0.009	0.007	0.010	0.010	0	0	714	829	996	0	0	996	0	996	0	0	19.43	2,539	7.7
7/16/2018	0.007	0.005	0.009	0.009	0.008			229	244	582	653	945	0	0	945	0	945	0	0			
7/23/2018	0.006	0.007	0.008	0.009	0.010			201	207	524	580	987	0	0	987	0	987	0	0	21.94	2,499	8.8
7/30/2018	0.006	0.005	0.007	0.008	0.011			202	206	504	622	939	0	0	939	0	939	0	0			
8/6/2018	0.006	0.006	0.007	0.008	0.008	0.007	0.006	163	164	410	542	1,180	0	154	1,334	0	1,180	0	154	19.53	2,613	7.5
8/13/2018	0.006	0.006	0.007	0.008	0.007			197	192	465	654	775	0	124	900	0	775	0	124			
8/20/2018	0.007	0.007	0.008	NOB ¹	0.008		0.006	182	181	450	627	701	0	123	824	0	701	0	123	12.49	1,637	7.6
8/27/2018	G ²	G ²	G ²	G ²	G ²			177	180	446	618	797	0	135	931	0	797	0	135			
9/4/2018	0.006	0.004	0.006	0.007	0.006	0.005	0.005	266	273	594	1,045	220	0	140	359	0	220	0	140	15.58	2,537	6.1
9/10/2018	0.004	0.005	0.006	0.008	0.007			257	264	574	994	442	0	174	615	0	442	0	174			
9/17/2018	0.006	0.004	0.006	0.008	0.007			252	250	574	973	0	0	0	0	0	0	0	0	13.74	2,049	6.7
9/24/2018	0.005	0.004	0.005	0.007	0.006			214	204	487	731	1,115	0	0	1,115	0	1,115	0	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 Bottle; sampling area inaccessible due to large floating mats of vegetation. No clear, representative area to collect sample. No sample collected.
2. G: Analyte was detected at or above the method detection limit in both the sample and the associated field blank, equipment blank, or trip blank, and the blank value was greater than 10% of the associated sample value.
3. Total of all flow at S12s + S333 + S355A + S355B + S356.
4. The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.

Period	Total Flow ³	12-Month Moving FWMC ⁴	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Guideline	Observed
October 1, 2017 - September 30, 2018	1,674.6	7.4	7.6	40.1%	30.8%

Shark River Slough Water Year 2018

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

Total Phosphorus (TP) Tracking Provisional Data Report

WY2018 (October 1, 2017 - September 30, 2018)

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
10/2/2017	0.006	0.006	0.005	0.008	0.009	0.007	0.006	0.007	1,171	1,068	1,080	1,469	409	0	0	0	409	237	171	0	0	0	32.13	4,959	6.5
10/9/2017	0.008	0.006	0.006	0.007	0.007			0.014	1,398	1,290	1,070	1,548	99	0	0	0	99	106	-	0	0	0			
10/16/2017	0.008	0.005	0.004	0.006	0.007	0.006	0.012	0.009	1,378	1,272	982	1,628	377	0	0	0	377	377	1	0	0	0	31.09	5,261	5.9
10/23/2017	0.008	0.007	0.005	0.008	0.007			0.010	1,281	1,185	1,154	1,554	440	0	0	0	440	436	4	0	0	0			
10/30/2017	0.007	0.006	0.005	0.007	0.007			0.010	1,347	1,259	1,117	1,694	117	0	0	0	117	112	5	0	0	0	34.46	5,422	6.4
11/6/2017	0.007	0.006	0.006	0.008	0.007			0.009	1,195	1,117	1,052	1,540	631	0	0	0	631	628	3	0	0	0			
11/13/2017	0.005	0.004	0.004	0.006	0.007	0.006	0.011	0.012	1,014	956	957	1,335	858	0	0	0	858	867	-	0	0	0	20.73	4,262	4.9
11/20/2017	0.005	0.004	0.004	0.006	0.005			0.012	845	794	1,152	1,179	860	0	0	0	860	868	-	0	0	0			
11/27/2017	0.005	0.004	0.003	0.006	0.006			0.010	695	629	822	1,132	1,416	0	0	0	1,416	926	491	0	0	0	18.19	3,769	4.8
12/4/2017	0.005	0.006	0.004	0.006	0.005			0.014	559	511	909	1,014	1,716	0	0	0	1,716	1,016	700	0	0	0			
12/11/2017	0.004	0.005	0.004	0.006	0.006	0.004	0.006	0.008	458	441	768	855	1,495	0	0	0	1,495	632	862	0	0	0	17.41	3,384	5.1
12/18/2017	0.004	0.005	0.003	0.006	0.007			0.007	374	369	901	1,047	1,497	0	0	0	1,497	733	763	0	0	0			
12/26/2017	0.005	0.004	0.005	0.006	0.007			0.007	301	306	821	955	1,490	0	0	0	1,490	740	750	0	0	0	17.81	3,133	5.7
1/2/2018	0.010		0.005	0.006	0.007			0.008	0	0	576	914	1,489	0	0	0	1,489	769	721	0	0	0			
1/8/2018	0.005		0.004	0.005	0.004	0.005	0.004	0.006	0	0	639	1,014	262	0	0	0	262	258	4	0	0	0	7.64	1,657	4.6
1/16/2018	0.010		0.006	0.007	0.006			0.007	0	0	507	817	258	0	0	0	258	255	3	0	0	0			
1/22/2018	0.008	0.010	0.005	0.005	0.006	0.003	0.003	0.005	0	0	468	736	232	0	0	6	238	137	99	0	0	2	6.63	1,305	5.1
1/29/2018	0.011		0.006	0.006	0.006			0.006	0	0	238	703	122	0	0	46	168	0	122	0	0	46			
2/5/2018	0.012			0.007	0.008			0.008	0	0	0	505	415	0	0	0	415	0	415	0	0	0	6.85	920	7.5
2/12/2018	0.013			0.009	0.010			0.009	0	0	0	372	506	0	0	0	506	90	416	0	0	0			
2/19/2018	0.015			0.008	0.009	0.010	0.013	0.010	0	0	0	352	586	0	0	0	586	137	449	0	0	0	6.86	801	8.6
2/26/2018	0.017				0.011			0.010	0	0	0	0	454	0	0	0	454	130	324	0	0	0			
3/5/2018	0.021			0.010	0.014	0.012	0.012	0.012	0	0	0	0	291	0	0	0	291	123	168	0	0	0	2.35	168	14.0
3/12/2018	0.019			0.009	0.009			0.011	0	0	0	0	187	0	0	0	187	154	33	0	0	0			
3/19/2018	0.023			0.011	0.012			0.014	0	0	0	0	156	0	0	0	156	156	0	0	0	0	0.01	0	12.0
3/26/2018	0.024			0.011	0.012			0.012	0	0	0	0	163	0	0	0	163	129	33	0	0	0			
4/2/2018	0.032			0.014	0.014			0.016	0	0	0	0	159	0	0	0	159	134	25	0	0	0	0.35	25	14.0
4/9/2018	0.038			0.015	0.024			0.018	0	0	0	0	154	0	0	0	154	147	7	0	0	0			
4/16/2018	0.039	0.026	0.018	0.015	0.018	0.067	0.074	0.019	0	0	0	0	274	0	0	0	274	258	17	0	0	0	0.30	17	18.0
4/23/2018	0.047			0.020	0.030			0.019	0	0	0	0	296	0	0	0	296	279	17	0	0	0			
4/30/2018	0.044			0.024	0.032			0.022	0	0	0	0	346	0	0	7	354	324	29	0	0	1	0.93	29	31.8
5/7/2018	0.046			0.024	0.032			0.022	0	0	0	0	354	0	0	0	354	331	23	0	0	0			
5/14/2018	0.042			0.030	0.023	0.060	0.123	0.027	0	0	0	0	347	0	0	0	347	313	33	0	0	0	0.77	33	23.0
5/21/2018	0.024			0.020	0.018			0.009	0	0	0	0	0	0	72	0	0	0	0	0	0	72			
5/29/2018	0.030		0.012	0.014	0.053			0.009	0	0	413	622	715	0	0	0	715	0	715	0	0	0	51.56	1,750	29.5
6/4/2018	0.023		0.009	0.012	0.046			0.008	0	0	451	704	662	0	0	0	662	0	662	0	0	0			
6/11/2018	0.020		0.010	0.012	0.016	0.012	0.012	0.010	0	0	508	823	620	0	0	0	620	0	620	0	0	0	24.87	1,951	12.7
6/18/2018	0.015		0.007	0.010	0.009			0.011	0	0	660	850	565	0	0	0	565	0	565	0	0	0			
6/25/2018	0.018		0.008	0.012	0.009			0.011	0	0	713	937	441	0	0	0	441	0	441	0	0	0	20.91	2,091	10.0
7/2/2018	0.014		0.011	0.008	0.008			0.011	0	0	812	945	1,105	0	0	0	1,105	0	1,105	0	0	0			
7/9/2018	0.009	0.009	0.007	0.009	0.007	0.010	0.010	0.009	0	0	714	829	996	0	0	0	996	0	996	0	0	0	19.43	2,539	7.7
7/16/2018	0.007	0.005	0.009	0.009	0.008			0.010	229	244	582	653	945	0	0	0	945	0	945	0	0	0			
7/23/2018	0.006	0.007	0.008	0.009	0.010			0.008	201	207	524	580	987	0	0	0	987	0	987	0	0	0	21.94	2,499	8.8
7/30/2018	0.006	0.005	0.007	0.008	0.011			0.008	202	206	504	622	939	0	0	0	939	0	939	0	0	0			
8/6/2018	0.006	0.006	0.007	0.008	0.008	0.007	0.006	0.008	163	164	410	542	1,180	0	154	0	1,334	0	1,180	0	154	0	19.53	2,613	7.5
8/13/2018	0.006	0.006	0.007	0.008	0.007			0.008	197	192	465	654	775	0	124	0	900	0	775	0	124	0			
8/20/2018	0.007	0.007	0.008	NOB ¹	0.008		0.006	0.007	182	181	450	627	701	0	123	398	1,222	0	701	0	123	398	15.27	2,035	7.5
8/27/2018	G ²	G ²	G ²	G ²	G ²			G ²	177	180	446	618	797	0	135	267	1,198	0	797	0	135	267			
9/4/2018	0.006	0.004	0.006	0.007	0.006	0.005	0.005	0.004	266	273	594	1,045	220	0	140	399	759	0	220	0	140	399	17.18	2,937	5.9
9/10/2018	0.004	0.005	0.006	0.008	0.007			0.005	257	264	574	994	442	0	174	265	880	0	442	0	174	265			
9/17/2018	0.006	0.004	0.006	0.008	0.007			0.004	252	250	574	973	0	0	0	265	265	0	0	0	0	265	14.80	2,314	6.4
9/24/2018	0.005	0.004	0.005	0.007	0.006			0.006	214	204	487	731	1,115	0	0	255	1,370	0	1,115	0	0	255			

Period	Total Flow ³	12-Month Moving FWMC ⁴	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Guideline	Observed
October 1, 2017 - September 30, 2018	1,703.8	7.3	7.6	40.1%	30.8%

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 temporary pumps.

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

Notes:

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- G: Analyte was detected at or above the method detection limit in both the sample and the associated field blank, equipment blank, or trip blank, and the blank value was greater than 10% of the associated sample value.
- Total of all flow at S12s + S333 + S355A + S355B + S356.
- The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.