

Taylor Slough and Coastal Basins Data Tracking

Alternative **Method 1**: S332D + S18C

Total Phosphorus (TP) Tracking Data Report

4th Quarter 2018 (October 1, 2018 - December 31, 2018)

Sampling Event Date	TP Concentration (mg/L)		Daily Mean Flow (cfs)		Sampling Events		
	S332DX	S18C	S332D	S18C	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)
11/7/2017	0.006	0.006	0	639	639	3.83	6.0
11/14/2017	0.006	0.006	0	651	651	3.91	6.0
11/21/2017	0.006		562	386	562	3.37	6.0
11/22/2017		0.004	554	347	347	1.39	4.0
11/28/2017	0.007	0.005	0	588	588	2.94	5.0
12/5/2017	0.007	0.005	274	388	662	3.86	5.8
12/12/2017	0.008	0.006	414	551	965	6.62	6.9
12/19/2017	0.005	0.005	442	327	769	3.85	5.0
12/26/2017	0.006	0.004	407	278	685	3.55	5.2
1/2/2018	0.007	0.005	441	288	729	4.53	6.2
1/9/2018	0.006	0.003	330	220	550	2.64	4.8
1/16/2018	0.005	0.004	318	206	524	2.41	4.6
1/23/2018	0.005	0.004	316	217	533	2.45	4.6
1/30/2018	0.005	0.004	441	130	571	2.72	4.8
2/6/2018	0.007	0.005	275	64	339	2.25	6.6
2/13/2018	0.006	0.004	440	102	542	3.05	5.6
2/20/2018	0.006	0.004	436	110	546	3.06	5.6
2/27/2018	0.007	0.006	248	48	296	2.03	6.8
3/6/2018	0.007	0.003	240	89	329	1.95	5.9
3/13/2018	0.008	0.009	248	79	326	2.69	8.2
3/20/2018	0.009	0.006	192	60	252	2.09	8.3
3/27/2018	0.009	0.005	123	26	148	1.23	8.3
4/3/2018	0.009	0.006	68	47	115	0.89	7.8
4/10/2018	0.011	0.007	68	34	102	0.99	9.7
4/17/2018	0.012	0.006	68	-	68	0.81	12.0
4/24/2018	0.013	0.005	14	31	45	0.34	7.5
5/1/2018	0.015	0.008	0	7	7	0.06	8.0
5/8/2018	0.014	0.008	0	12	12	0.09	8.0
5/15/2018	G ²	0.010	25	63	63	0.63	10.0
5/22/2018	0.007	0.007	89	730	819	5.73	7.0
5/29/2018	0.007	0.007	247	715	962	6.74	7.0
6/5/2018	0.006	0.005	0	248	248	1.24	5.0
6/12/2018	0.007	0.006	0	286	286	1.72	6.0
6/19/2018	0.007	0.005	0	543	543	2.72	5.0
6/26/2018	0.007	0.005	0	736	736	3.68	5.0
7/2/2018	0.005	0.004	0	419	419	1.68	4.0
7/10/2018	0.005	0.005	0	230	230	1.15	5.0
7/17/2018	0.005	0.004	0	326	326	1.30	4.0
7/24/2018	0.005	0.004	0	400	400	1.60	4.0
7/31/2018	0.005	0.005	0	358	358	1.79	5.0
8/7/2018	0.004	0.004	2	326	328	1.31	4.0
8/14/2018	0.006	0.004	246	333	579	2.81	4.8
8/21/2018	0.006	0.004	252	543	795	3.69	4.6
8/28/2018	0.005	0.004	249	538	787	3.40	4.3
9/4/2018	0.008	0.017	543	1680	2,223	32.90	14.8
9/11/2018	0.006	0.004	541	393	934	4.82	5.2
9/18/2018	0.005	0.005	251	352	603	3.02	5.0
9/25/2018	0.005	0.003	438	310	748	3.12	4.2
10/2/2018	0.006	0.005	461	184	645	3.69	5.7
10/9/2018	0.005	0.003	533	295	828	3.55	4.3
10/16/2018	0.004	0.004	243	251	494	1.98	4.0
10/23/2018	0.005	0.003	248	160	408	1.72	4.2
10/30/2018	0.006	0.004	245	104	349	1.89	5.4
11/6/2018	0.006	0.004	216	127	343	1.80	5.3
11/13/2018	0.006	0.004	250	124	374	2.00	5.3
11/20/2018	0.007	G ²	247	134	247	1.73	7.0
11/27/2018	0.006	0.004	248	133	381	2.02	5.3
12/4/2018	0.006	0.004	214	119	333	1.76	5.3
12/11/2018	0.007	0.004	231	129	360	2.13	5.9
12/18/2018	0.006	0.004	194	100	293	1.56	5.3
12/26/2018	0.006	0.004	229	135	364	1.92	5.3
Period	Total Flow ¹		12-Month FWMC ³	12-Month Long-term Limit	Percent of Sampling Events Greater than 10 ppb		
	(kac-ft)				(ppb)	Guideline	Observed
November 1, 2017 - October 31, 2018	371.5		6.2	11.0	53.1%	3.8%	
December 1, 2017 - November 30, 2018	350.5		6.2	11.0	53.1%	3.8%	
January 1, 2018 - December 31, 2018	319.4		6.3	11.0	53.1%	3.8%	

Blue shaded and **bolded** dates are the 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:

- Total of flow at S332D + S18C.
- G qualified. 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.
- All sampling events and flow data are used to calculate flow-weighted mean concentrations.

Taylor Slough and Coastal Basins Data Tracking

Alternative Method 2: S332D + G737 + S18C Total Phosphorus (TP) Tracking Provisional Data Report 4th Quarter 2018 (October 1, 2018 - December 31, 2018)

Sampling Event Date	TP Concentration (mg/L)			Daily Mean Flow (cfs)			Sampling Events			
	S332D (S332DX)	S18C	G737	S332D	S18C	G737 ²	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)	
11/7/2017	0.006	0.006	NOB ⁴	0	639	225	639	3.83	6.0	
11/14/2017	0.006	0.006	NOB ⁴	0	651	224	651	3.91	6.0	
11/21/2017	0.006			562	386	224	562	3.37	6.0	
11/22/2017		0.004	NOB ⁴	554	347	224	347	1.39	4.0	
11/28/2017	0.007	0.005	NOB ⁴	0	588	224	588	2.94	5.0	
12/5/2017	0.007	0.005	NOB ⁴	274	388	224	662	3.86	5.8	
12/12/2017	0.008	0.006	NOB ⁴	414	551	224	965	6.62	6.9	
12/19/2017	0.005	0.005	NOB ⁴	442	327	224	769	3.85	5.0	
12/26/2017	0.006	0.004	NOB ⁴	407	278	224	685	3.55	5.2	
1/2/2018	0.007	0.005	NOB ⁴	441	288	224	729	4.53	6.2	
1/9/2018	0.006	0.003	NOB ⁴	330	220	224	550	2.64	4.8	
1/16/2018	0.005	0.004		318	206	0	524	2.41	4.6	
1/23/2018	0.005	0.004	0.008	316	217	0	533	2.45	4.6	
1/30/2018	0.005	0.004	0.006	441	130	0	571	2.72	4.8	
2/6/2018	0.007	0.005	0.006	275	64	0	339	2.25	6.6	
2/13/2018	0.006	0.004	0.006	440	102	0	542	3.05	5.6	
2/20/2018	0.006	0.004	0.018	436	110	0	546	3.06	5.6	
2/27/2018	0.007	0.006	0.006	248	48	0	296	2.03	6.8	
3/6/2018	0.007	0.003	0.004	240	89	0	329	1.95	5.9	
3/13/2018	0.008	0.009	0.007	248	79	0	326	2.69	8.2	
3/20/2018	0.009	0.006	0.018	192	60	0	252	2.09	8.3	
3/27/2018	0.009	0.005	0.015	123	26	0	148	1.23	8.3	
4/3/2018	0.009	0.006		68	47	0	115	0.89	7.8	
4/10/2018	0.011	0.007	J ³	68	34	0	102	0.99	9.7	
4/17/2018	0.012	0.006	J ³	68	-	0	68	0.81	12.0	
4/24/2018	0.013	0.005		14	31	0	45	0.34	7.5	
5/1/2018	0.015	0.008		0	7	0	7	0.06	8.0	
5/8/2018	0.014	0.008		0	12	0	12	0.09	8.0	
5/15/2018	G ³	0.010		25	63	0	63	0.63	10.0	
5/22/2018	0.007	0.007		89	730	0	819	5.73	7.0	
5/29/2018	0.007	0.007		247	715	0	962	6.74	7.0	
6/5/2018	0.006	0.005		0	248	0	248	1.24	5.0	
6/12/2018	0.007	0.006		0	286	0	286	1.72	6.0	
6/19/2018	0.007	0.005		0	543	0	543	2.72	5.0	
6/26/2018	0.007	0.005		0	736	0	736	3.68	5.0	
7/2/2018	0.005	0.004		0	419	0	419	1.68	4.0	
7/10/2018	0.005	0.005	0.005	0	230	226	456	2.28	5.0	
7/17/2018	0.005	0.004	0.005	0	326	225	551	2.43	4.0	
7/24/2018	0.005	0.004	0.004	0	400	226	626	2.50	4.0	
7/31/2018	0.005	0.005	0.004	0	358	226	584	2.69	5.0	
8/7/2018	0.004	0.004	0.005	2	326	226	554	2.44	4.0	
8/14/2018	0.006	0.004	0.005	246	333	226	805	3.94	4.8	
8/21/2018	0.006	0.004	0.004	252	543	225	1,021	4.59	4.6	
8/28/2018	0.005	0.004	0.004	249	538	225	1,012	4.30	4.3	
9/4/2018	0.008	0.017	0.006	543	1680	276	2,499	34.56	13.8	
9/11/2018	0.006	0.004	0.003	541	393	295	1,229	5.70	5.2	
9/18/2018	0.005	0.005	0.005	251	352	298	901	4.50	5.0	
9/25/2018	0.005	0.003	0.004	438	310	295	1,043	4.30	4.2	
10/2/2018	0.006	0.005	0.004	461	184	59	705	3.93	5.7	
10/9/2018	0.005	0.003	0.004	533	295	51	879	3.75	4.3	
10/16/2018	0.004	0.004	0.004	243	251	45	539	2.16	4.0	
10/23/2018	0.005	0.003	0.002	248	160	53	461	1.82	4.2	
10/30/2018	0.006	0.004	0.004	245	104	-	349	1.89	5.4	
11/6/2018	0.006	0.004	0.005	216	127	0	343	1.80	5.3	
11/13/2018	0.006	0.004	0.004	250	124	0	374	2.00	5.3	
11/20/2018	0.007	G ³	G ³	247	134	0	247	1.73	7.0	
11/27/2018	0.006	0.004	0.004	248	133	0	381	2.02	5.3	
12/4/2018	0.006	0.004	0.004	214	119	0	333	1.76	5.3	
12/11/2018	0.007	0.004	0.003	231	129	0	360	2.13	5.9	
12/18/2018	0.006	0.004	0.004	194	100	0	293	1.56	5.3	
12/26/2018	0.006	0.004	0.003	229	135	0	364	1.92	5.3	
Period	Total Flow ¹			12-Month FWMC ⁵			12-Month Long-term Limit		Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)			(ppb)			(ppb)		Guideline	Observed
November 1, 2017 - October 31, 2018	447.8			6.0			11.0		53.1%	3.8%
December 1, 2017 - November 30, 2018	413.5			6.0			11.0		53.1%	3.8%
January 1, 2018 - December 31, 2018	368.9			6.0			11.0		53.1%	3.8%

Blue shaded and **bolded** dates are the 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:

- Total of flow at S332D + G737 + S18C.
- Up to September 30, 2018, S200 daily mean flow on days when G737 gates were open was used for G737 flow to estimate sampling event TP FWMC. From October 1, 2018, G737 flow was directly measured at G737.
- 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.
- J: The sample was collected from a disconnected pool and was not representative of the surrounding water body. The surrounding area was dry.
- NOB - No Bottle Sample. Construction at the site during this period precluded safe, representative samples.
- All sampling events and flow data are used to calculate flow-weighted mean concentrations.

Taylor Slough and Coastal Basins Data Tracking

Alternative **Method 3**: [S332D-S332DX1-S328]+S328+G737+S18C

Total Phosphorus (TP) Tracking Data Report

4th Quarter 2018 (October 1, 2018 - December 31, 2018)

Sampling Event Date	TP Concentration (mg/L)				Daily Mean Flow (cfs)						Sampling Events			
	S332D (S332DX)	S18C	G737	S328	S332D	S18C	G737 ²	S332D - S332DX1 - S328	S332DX1	S328	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)	
11/7/2017	0.006	0.006	NOB ⁴	0.006	0	639	225	0	6.0	0	639	3.83	6.0	
11/14/2017	0.006	0.006	NOB ⁴	0.008	0	651	224	0	6.0	0	651	3.91	6.0	
11/21/2017	0.006			0.004	562	386	224	346	6.0	216	562	2.94	5.2	
11/22/2017		0.004	NOB ⁴		554	347	224	476	4.0	78	347	1.39	4.0	
11/28/2017	0.007	0.005	NOB ⁴	0.005	0	588	224	0	5.0	0	588	2.94	5.0	
12/5/2017	0.007	0.005	NOB ⁴	0.008	274	388	224	274	5.8	0	662	3.86	5.8	
12/12/2017	0.008	0.006	NOB ⁴	0.004	414	551	224	245	6.9	169	965	5.94	6.2	
12/19/2017	0.005	0.005	NOB ⁴	0.005	442	327	224	262	5.0	180	769	3.85	5.0	
12/26/2017	0.006	0.004	NOB ⁴	0.004	407	278	224	240	5.2	166	685	3.22	4.7	
1/2/2018	0.007	0.005	NOB ⁴	0.004	441	288	224	263	6.2	178	729	4.00	5.5	
1/9/2018	0.006	0.003	NOB ⁴	0.005	330	220	224	195	4.8	135	550	2.50	4.6	
1/16/2018	0.005	0.004		0.004	318	206	0	192	4.6	126	524	2.29	4.4	
1/23/2018	0.005	0.004	0.008	0.004	316	217	0	198	4.6	119	533	2.33	4.4	
1/30/2018	0.005	0.004	0.006	0.004	441	130	0	339	4.8	102	571	2.62	4.6	
2/6/2018	0.007	0.005	0.006	0.005	275	64	0	275	6.6	-	339	2.25	6.6	
2/13/2018	0.006	0.004	0.006	0.005	440	102	0	-	5.6	132	234	1.07	4.6	
2/20/2018	0.006	0.004	0.018	0.005	436	110	0	100	5.6	20	230	1.14	5.0	
2/27/2018	0.007	0.006	0.006	0.006	248	48	0	-	6.8	-	48	0.29	6.0	
3/6/2018	0.007	0.003	0.004	0.016	240	89	0	-	5.9	-	89	0.27	3.0	
3/13/2018	0.008	0.009	0.007	0.020	248	79	0	81	8.2	-	160	1.36	8.5	
3/20/2018	0.009	0.006	0.018	0.047	192	60	0	83	8.3	0	143	1.10	7.7	
3/27/2018	0.009	0.005	0.015	J ³	123	26	0	123	8.3	0	148	1.23	8.3	
4/3/2018	0.009	0.006			68	47	0	68	7.8	0	115	0.89	7.8	
4/10/2018	0.011	0.007	J ³	J ³	68	34	0	68	9.7	0	102	0.99	9.7	
4/17/2018	0.012	0.006	J ³	J ³	68	-	0	68	13.9	0	68	0.81	12.0	
4/24/2018	0.013	0.005		J ³	14	31	0	14	7.5	0	45	0.34	7.5	
5/1/2018	0.015	0.008		Y ³ , J ³	0	7	0	0	8.0	0	7	0.06	8.0	
5/8/2018	0.014	0.008		J ³	0	12	0	0	8.0	0	12	0.09	8.0	
5/15/2018	G ³	0.010		J ³	25	63	0	25	10.0	0	63	0.63	10.0	
5/22/2018	0.007	0.007		0.044	89	730	0	89	7.0	0	819	5.73	7.0	
5/29/2018	0.007	0.007		0.021	247	715	0	247	7.0	0	962	6.74	7.0	
6/5/2018	0.006	0.005		J ³	0	248	0	0	5.0	0	248	1.24	5.0	
6/12/2018	0.007	0.006		J ³	0	286	0	0	6.0	0	286	1.72	6.0	
6/19/2018	0.007	0.005		J ³	0	543	0	0	5.0	0	543	2.72	5.0	
6/26/2018	0.007	0.005		J ³	0	736	0	0	5.0	0	736	3.68	5.0	
7/2/2018	0.005	0.004		J ³	0	419	0	0	4.0	0	419	1.68	4.0	
7/10/2018	0.005	0.005	0.005	J ³	0	230	226	0	5.0	0	456	2.28	5.0	
7/17/2018	0.005	0.004	0.005	J ³	0	326	225	0	4.0	0	551	2.43	4.4	
7/24/2018	0.005	0.004	0.004	0.023	0	400	226	0	4.0	0	626	2.50	4.0	
7/31/2018	0.005	0.005	0.004	J ³	0	358	226	0	5.0	0	584	2.69	4.6	
8/7/2018	0.004	0.004	0.005	J ³	2	326	226	2	4.0	0	554	2.44	4.4	
8/14/2018	0.006	0.004	0.005	0.019	246	333	226	246	4.8	0	805	3.94	4.9	
8/21/2018	0.006	0.004	0.004	0.014	252	543	225	252	4.6	0	1,021	4.59	4.5	
8/28/2018	0.005	0.004	0.004	0.010	249	538	225	249	4.3	0	1,012	4.30	4.2	
9/4/2018	0.008	0.017	0.006	0.085	543	1680	276	543	14.8	0	2,499	34.56	13.8	
9/11/2018	0.006	0.004	0.003	0.003	541	393	295	374	5.2	167	1,229	5.20	4.2	
9/18/2018	0.005	0.005	0.005	0.004	251	352	298	111	5.0	140	901	4.36	4.8	
9/25/2018	0.005	0.003	0.004	0.003	438	310	295	211	4.2	227	1,043	3.85	3.7	
10/2/2018	0.006	0.005	0.004	0.004	461	184	59	308	5.7	148	699	3.60	5.1	
10/9/2018	0.005	0.003	0.004	0.003	533	295	51	351	4.3	178	875	3.38	3.9	
10/16/2018	0.004	0.004	0.004	0.004	243	251	45	111	4.0	128	535	2.14	4.0	
10/23/2018	0.005	0.003	0.002	0.003	248	160	53	99	4.2	145	456	1.51	3.3	
10/30/2018	0.006	0.004	0.004	0.004	245	104	-	110	5.4	129	390	1.78	4.6	
11/6/2018	0.006	0.004	0.005	0.003	216	127	0	101	5.3	110	338	1.44	4.3	
11/13/2018	0.006	0.004	0.004	0.003	250	124	0	135	5.3	110	369	1.63	4.4	
11/20/2018	0.007	G ³	G ³	0.006	247	134	0	132	7.0	108	247	1.62	6.6	
11/27/2018	0.006	0.004	0.004	0.007	248	133	0	164	5.3	79	376	2.07	5.5	
12/4/2018	0.006	0.004	0.004	0.010	214	119	0	209	5.3	0	328	1.73	5.3	
12/11/2018	0.007	0.004	0.003	0.011	231	129	0	225	5.9	0	354	2.09	5.9	
12/18/2018	0.006	0.004	0.004	0.018	194	100	0	188	5.3	0	288	1.53	5.3	
12/26/2018	0.006	0.004	0.003	0.010	229	135	0	224	5.3	0	359	1.88	5.2	
Period	Total Flow ¹				12-Month FWMC ⁵		12-Month Long-term Limit		Percent of Sampling Events Greater than 10 ppb					
	(kac-ft)				(ppb)		(ppb)		Guideline		Observed			
November 1, 2017 - October 31, 2018				429.2		5.8		11.0		53.1%		3.8%		
December 1, 2017 - November 30, 2018				394.8		5.8		11.0		53.1%		3.8%		
January 1, 2018 - December 31, 2018				350.2		5.8		11.0		53.1%		3.8%		

Blue shaded and **bolded** dates are the 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. "M" indicates the daily mean flow datum was not available.

Notes:

1. Total of flow at S332D + G737 + S18C.

2. Up to September 30, 2018, S200 daily mean flow on days when G737 gates were open was used for G737 flow to estimate sampling event TP FWMC.

From October 1, 2018, G737 flow was directly measured at G737.

3. 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.

J: The sample was collected from a disconnected pool and was not representative of the surrounding water body. The surrounding area was dry.

Y: Analysis performed on un/improperly preserved sample.

4. NOB - No Bottle Sample. Construction at the site during this period precluded safe, representative samples.

5. All sampling events and flow data are used to calculate flow-weighted mean concentrations.