

# Taylor Slough and Coastal Basins Data Tracking

Second Quarter 2018 Alternative **Method 1: S332D + S18C**

Total Phosphorus (TP) Tracking Provisional Data Report

Sampling Event Date	TP Concentration (mg/L)		Daily Mean Flow (cfs)		Sampling Events		
	S332DX	S18C	S332D	S18C	Sampled Flow (cfs)	Total Loads (cfs*mg/L)	FWMC (ppb)
5/1/2017	0.006		0	0	0	0.00	
5/2/2017		0.006	0	0	0	0.00	
5/8/2017	0.008		0	0	0	0.00	
5/9/2017		0.006	0	0	0	0.00	
5/15/2017	0.020		0	0	0	0.00	
5/16/2017		0.005	0	0	0	0.00	
5/22/2017	0.007		0	79	0	0.00	
5/23/2017		G <sup>3</sup>	0	0	0	0.00	
5/30/2017	0.008		0	0	0	0.00	
5/31/2017		0.007	2	0	0	0.00	
6/6/2017	0.008	0.008	0	0	0	0.00	
6/13/2017	0.005	0.004	430	352	782	3.56	4.6
6/20/2017	0.007	0.004	307	762	1,069	5.19	4.9
6/27/2017	0.009	0.007	246	516	762	5.82	7.6
7/5/2017	0.008	0.007	270	381	651	4.83	7.4
7/11/2017	0.008	0.006	278	426	704	4.78	6.8
7/18/2017	0.007	0.005	243	716	959	5.28	5.5
7/25/2017	0.006	0.004	246	669	915	4.15	4.5
8/1/2017	0.007	0.005	274	658	932	5.21	5.6
8/8/2017	0.007	0.004	279	495	774	3.94	5.1
8/15/2017	0.006	0.006	121	630	751	4.51	6.0
8/22/2017	0.008	0.006	157	763	920	5.83	6.3
8/29/2017	0.006	0.006	247	805	1,052	6.31	6.0
9/5/2017	0.007	0.006	275	610	885	5.58	6.3
9/14/2017	0.007	0.011	496	1860	2,356	23.93	10.2
9/19/2017	0.006	0.006	561	862	1,423	8.54	6.0
9/26/2017	0.008	0.006	539	978	1,517	10.18	6.7
10/3/2017	0.006	0.005	554	830	1,384	7.47	5.4
10/10/2017	0.006	0.005	171	1130	1,301	6.67	5.1
10/17/2017	0.007	0.005	348	805	1,153	6.46	5.6
10/24/2017	0.006	G <sup>3</sup>	478	674	478	2.87	6.0
10/31/2017	0.005	0.004	0	759	759	3.04	4.0
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 <sup>3</sup>	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
Period	Total Flow <sup>1</sup>		12-Month FWMC <sup>2</sup>	12-Month Long-term Limit	Percent of Sampling Events Greater than 10 ppb		
	(kac-ft)				(ppb)	(ppb)	Guideline
May 1, 2017 - April 30, 2018	503.0		6.1	11.0	53.1%	4.3%	
June 1, 2017 - May 31, 2018	526.0		6.1	11.0	53.1%	3.8%	
July 1, 2017 - June 30, 2018	512.2		6.1	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:

1. Total of flow at S332D + S18C.

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

3. 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.

# Taylor Slough and Coastal Basins Data Tracking

Second Quarter 2018 Alternative **Method 2**: S332D + G737 + S18C

Total Phosphorus (TP) Tracking Provisional Data Report

Sampling Event Date	TP Concentration (mg/L)			Daily Mean Flow (cfs)			Sampling Events			
	S332D (S332DX)	S18C	G737	S332D	S18C	G737 <sup>2</sup>	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)	
5/1/2017	0.006			0	0	0	0	0.00		
5/2/2017		0.006		0	0	0	0	0.00		
5/8/2017	0.008			0	0	0	0	0.00		
5/9/2017		0.006		0	0	0	0	0.00		
5/15/2017	0.020			0	0	0	0	0.00		
5/16/2017		0.005		0	0	0	0	0.00		
5/22/2017	0.007			0	79	0	0	0.00		
5/23/2017		G <sup>3</sup>	0.097	0	0	0	0	0.00		
5/30/2017	0.008			0	0	0	0	0.00		
5/31/2017		0.007	0.016	2	0	0	0	0.00		
6/6/2017	0.008	0.008	0.021	0	0	0	0	0.00		
6/13/2017	0.005	0.004	0.016	430	352	0	782	3.56	4.6	
6/20/2017	0.007	0.004	0.014	307	762	0	1,069	5.19	4.9	
6/27/2017	0.009	0.007	0.013	246	516	0	762	5.82	7.6	
7/5/2017	0.008	0.007	0.007	270	381	226	877	6.41	7.3	
7/11/2017	0.008	0.006	0.007	278	426	226	930	6.36	6.8	
7/18/2017	0.007	0.005	0.006	243	716	225	1,183	6.63	5.6	
7/25/2017	0.006	0.004	0.005	246	669	211	1,125	5.20	4.6	
8/1/2017	0.007	0.005	0.006	274	658	225	1,157	6.56	5.7	
8/8/2017	0.007	0.004	0.004	279	495	225	999	4.83	4.8	
8/15/2017	0.006	0.006	0.005	121	630	225	977	5.63	5.8	
8/22/2017	0.008	0.006	0.007	157	763	225	1,145	7.41	6.5	
8/29/2017	0.006	0.006	0.005	247	805	224	1,276	7.43	5.8	
9/5/2017	0.007	0.006	0.007	275	610	224	1,109	7.16	6.5	
9/14/2017	0.007	0.011	0.058	496	1860	0	2,356	23.93	10.2	
9/19/2017	0.006	0.006	0.011	561	862	224	1,647	11.01	6.7	
9/26/2017	0.008	0.006	0.007	539	978	224	1,741	11.75	6.7	
10/3/2017	0.006	0.005	0.006	554	830	209	1,593	8.73	5.5	
10/10/2017	0.006	0.005	0.006	171	1130	224	1,525	8.02	5.3	
10/17/2017	0.007	0.005	0.006	348	805	224	1,377	7.81	5.7	
10/24/2017	0.006	G <sup>3</sup>	NOB <sup>4</sup>	478	674	224	478	2.87	6.0	
10/31/2017	0.005	0.004	NOB <sup>4</sup>	0	759	224	759	3.04	4.0	
11/7/2017	0.006	0.006	NOB <sup>4</sup>	0	639	225	639	3.83	6.0	
11/14/2017	0.006	0.006	NOB <sup>4</sup>	0	651	224	651	3.91	6.0	
11/21/2017	0.006		NOB <sup>4</sup>	562	386	224	562	3.37	6.0	
11/22/2017		0.004	NOB <sup>4</sup>	554	347	224	347	1.39	4.0	
11/28/2017	0.007	0.005	NOB <sup>4</sup>	0	588	224	588	2.94	5.0	
12/5/2017	0.007	0.005	NOB <sup>4</sup>	274	388	224	662	3.86	5.8	
12/12/2017	0.008	0.006	NOB <sup>4</sup>	414	551	224	965	6.62	6.9	
12/19/2017	0.005	0.005	NOB <sup>4</sup>	442	327	224	769	3.85	5.0	
12/26/2017	0.006	0.004	NOB <sup>4</sup>	407	278	224	685	3.55	5.2	
1/2/2018	0.007	0.005		441	288	224	729	4.53	6.2	
1/9/2018	0.006	0.003		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 <sup>3</sup>	68	34	0	102	0.99	9.7	
4/17/2018	0.012	0.006	J <sup>3</sup>	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 <sup>3</sup>	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	
Period	Total Flow <sup>1</sup>			12-Month FWMC <sup>5</sup>			12-Month Long-term Limit		Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)			(ppb)			(ppb)		Guideline	Observed
May 1, 2017 - April 30, 2018	584.1			6.1			11.0		53.1%	4.3%
June 1, 2017 - May 31, 2018	607.0			6.2			11.0		53.1%	3.8%
July 1, 2017 - June 30, 2018	592.9			6.2			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:

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

2. S200 daily mean flow on the day when G737 gates were opened.

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.

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.

# Taylor Slough and Coastal Basins Data Tracking

Second Quarter 2018 Alternative **Method 3**: [S332D-S332DX1-S328]+S328+G737+S18C

Total Phosphorus (TP) Tracking Provisional Data Report

Sampling Event Date	TP Concentration (mg/L)				Daily Mean Flow (cfs)						Sampling Events		
	S332D (S332DX)	S18C	G737	S328	S332D	S18C	G737 <sup>2</sup>	S332D - S332DX1 - S328	S332DX1	S328	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)
5/1/2017	0.006				0	0	0	0	0	0	0	0.00	
5/2/2017		0.006			0	0	0	0	0	0	0	0.00	
5/8/2017	0.008				0	0	0	0	0	0	0	0.00	
5/9/2017		0.006			0	0	0	0	0	0	0	0.00	
5/15/2017	0.020				0	0	0	0	0	0	0	0.00	
5/16/2017		0.005			0	0	0	0	0	0	0	0.00	
5/22/2017	0.007				0	79	0	0	0	0	0	0.00	
5/23/2017		G <sup>3</sup>	0.097	0.962	0	0	0	0	0	0	0	0.00	
5/30/2017	0.008				0	0	0	0	0	0	0	0.00	
5/31/2017		0.007	0.016	0.465	2	0	0	2	0	0	0	0.00	
6/6/2017	0.008	0.008	0.021	0.320	0	0	0	0	0	0	0	0.00	
6/13/2017	0.005	0.004	0.016	0.044	430	352	0	179	251	0	531	2.30	4.3
6/20/2017	0.007	0.004	0.014	0.013	307	762	0	206	100	0	968	4.49	4.6
6/27/2017	0.009	0.007	0.013	0.023	246	516	0	246	0	0	762	5.82	7.6
7/5/2017	0.008	0.007	0.007	0.012	270	381	226	270	0	0	877	6.41	7.3
7/11/2017	0.008	0.006	0.007	0.009	278	426	226	278	0	0	930	6.36	6.8
7/18/2017	0.007	0.005	0.006	0.012	243	716	225	243	0	0	1,183	6.63	5.6
7/25/2017	0.006	0.004	0.005	0.010	246	669	211	246	0	0	1,125	5.20	4.6
8/1/2017	0.007	0.005	0.006	0.007	274	658	225	274	0	0	1,157	6.56	5.7
8/8/2017	0.007	0.004	0.004	0.006	279	495	225	279	0	0	999	4.83	4.8
8/15/2017	0.006	0.006	0.005	0.008	121	630	225	121	0	0	977	5.63	5.8
8/22/2017	0.008	0.006	0.007	0.019	157	763	225	157	0	0	1,145	7.41	6.5
8/29/2017	0.006	0.006	0.005	0.009	247	805	224	247	0	0	1,276	7.43	5.8
9/5/2017	0.007	0.006	0.007	0.011	275	610	224	256	0	19	1,109	7.23	6.5
9/14/2017	0.007	0.011	0.058	0.005	496	1860	0	496	0	M	2,356	23.93	10.2
9/19/2017	0.006	0.006	0.011	0.004	561	862	224	561	0	M	1,647	11.01	6.7
9/26/2017	0.008	0.006	0.007	0.005	539	978	224	481	0	58	1,741	11.58	6.6
10/3/2017	0.006	0.005	0.006	0.004	554	830	209	391	0	162	1,593	8.40	5.3
10/10/2017	0.006	0.005	0.006	0.010	171	1130	224	171	0	0	1,525	8.02	5.3
10/17/2017	0.007	0.005	0.006	0.006	348	805	224	280	0	68	1,377	7.74	5.6
10/24/2017	0.006	G <sup>3</sup>	NOB <sup>4</sup>	0.004	478	674	224	478	0	M	478	2.87	6.0
10/31/2017	0.005	0.004	NOB <sup>4</sup>	0.006	0	759	224	0	0	0	759	3.04	4.0
11/7/2017	0.006	0.006	NOB <sup>4</sup>	0.006	0	639	225	0	0	0	639	3.83	6.0
11/14/2017	0.006	0.006	NOB <sup>4</sup>	0.008	0	651	224	0	0	0	651	3.91	6.0
11/21/2017	0.006	0.006	NOB <sup>4</sup>	0.004	562	386	224	346	0	216	562	2.94	5.2
11/22/2017		0.004	NOB <sup>4</sup>		554	347	224	476	0	78	347	1.39	4.0
11/28/2017	0.007	0.005	NOB <sup>4</sup>	0.005	0	588	224	0	0	0	588	2.94	5.0
12/5/2017	0.007	0.005	NOB <sup>4</sup>	0.008	274	388	224	274	0	0	662	3.86	5.8
12/12/2017	0.008	0.006	NOB <sup>4</sup>	0.004	414	551	224	245	0	169	965	5.94	6.2
12/19/2017	0.005	0.005	NOB <sup>4</sup>	0.005	442	327	224	262	0	180	769	3.85	5.0
12/26/2017	0.006	0.004	NOB <sup>4</sup>	0.004	407	278	224	240	0	166	685	3.22	4.7
1/2/2018	0.007	0.005		0.004	441	288	224	263	0	178	729	4.00	5.5
1/9/2018	0.006	0.003		0.005	330	220	224	195	0	135	550	2.50	4.6
1/16/2018	0.005	0.004		0.004	318	206	0	192	0	126	524	2.29	4.4
1/23/2018	0.005	0.004	0.008	0.004	316	217	0	198	0	119	533	2.33	4.4
1/30/2018	0.005	0.004	0.006	0.004	441	130	0	339	0	102	571	2.62	4.6
2/6/2018	0.007	0.005	0.006	0.005	275	64	0	275	-	-	339	2.25	6.6
2/13/2018	0.006	0.004	0.006	0.005	440	102	0	-	315	132	234	1.07	4.6
2/20/2018	0.006	0.004	0.018	0.005	436	110	0	100	316	20	230	1.14	5.0
2/27/2018	0.007	0.006	0.006	0.006	248	48	0	-	158	-	48	0.29	6.0
3/6/2018	0.007	0.003	0.004	0.016	240	89	0	-	166	-	89	0.27	3.0
3/13/2018	0.008	0.009	0.007	0.020	248	79	0	81	167	-	160	1.36	8.5
3/20/2018	0.009	0.006	0.018	0.047	192	60	0	83	110	0	143	1.10	7.7
3/27/2018	0.009	0.005	0.015	J <sup>3</sup>	123	26	0	123	0	0	148	1.23	8.3
4/3/2018	0.009	0.006			68	47	0	68	0	0	115	0.89	7.8
4/10/2018	0.011	0.007	J <sup>3</sup>	J <sup>3</sup>	68	34	0	68	0	0	102	0.99	9.7
4/17/2018	0.012	0.006	J <sup>3</sup>	J <sup>3</sup>	68	-	0	68	M	0	68	0.81	12.0
4/24/2018	0.013	0.005	J <sup>3</sup>	J <sup>3</sup>	14	31	0	14	0	0	45	0.34	7.5
5/1/2018	0.015	0.008		Y <sup>3</sup> , J <sup>3</sup>	0	7	0	0	0	0	7	0.06	8.0
5/8/2018	0.014	0.008		J <sup>3</sup>	0	12	0	0	0	0	12	0.09	8.0
5/15/2018	G <sup>3</sup>	0.010		J <sup>3</sup>	25	63	0	25	0	0	63	0.63	10.0
5/22/2018	0.007	0.007		0.044	89	730	0	89	0	0	819	5.73	7.0
5/29/2018	0.007	0.007		0.021	247	715	0	247	0	0	962	6.74	7.0
6/5/2018	0.006	0.005		J <sup>3</sup>	0	248	0	0	0	0	248	1.24	5.0
6/12/2018	0.007	0.006		J <sup>3</sup>	0	286	0	0	0	0	286	1.72	6.0
6/19/2018	0.007	0.005		J <sup>3</sup>	0	543	0	0	0	0	543	2.72	5.0
6/26/2018	0.007	0.005		J <sup>3</sup>	0	736	0	0	0	0	736	3.68	5.0

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. S200 daily mean flow on the day when G737 gates were opened.

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.

Period	Total Flow <sup>1</sup>	12-Month FWMC <sup>5</sup>	12-Month Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Guideline	Observed
May 1, 2017 - April 30, 2018	559.0	6.0	11.0	53.1%	4.3%
June 1, 2017 - May 31, 2018	581.9	6.1	11.0	53.1%	3.8%
July 1, 2017 - June 30, 2018	574.2	6.0	11.0	53.1%	3.8%