

# Taylor Slough and Coastal Basins First Quarter 2019

Alternative **Method 1**: S332D + S18C  
Total Phosphorus (TP) Tracking Data Report

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)
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
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 <sup>2</sup>	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
1/2/2019	0.006	0.003	158	104	263	1.26	4.8
1/8/2019	0.006	0.003	91	56	148	0.72	4.9
1/15/2019	0.008	0.004	87	0	87	0.70	8.0
1/22/2019	0.008	0.004	91	0	91	0.73	8.0
1/29/2019	0.006	0.002	194	187	381	1.54	4.0
2/5/2019	0.006	0.004	92	139	232	1.11	4.8
2/12/2019	0.007	0.004	68	34	102	0.61	6.0
2/19/2019	0.006	0.003	116	125	241	1.07	4.4
2/26/2019	0.007	0.003	119	10	128	0.86	6.7
3/5/2019	0.002	0.003	98	0	98	0.20	2.0
3/12/2019	0.008	0.003	74	0	74	0.60	8.0
3/19/2019	0.008	0.004	68	23	91	0.64	7.0
3/26/2019	0.008	0.006	116	12	129	1.00	7.8
Period	Total Flow <sup>1</sup>		12-Month FWMC <sup>3</sup>	12-Month Long-term Limit	Percent of Sampling Events Greater than 10 ppb		
	(kac-ft)				(ppb)	Guideline	Observed
February 1, 2018 - January 31, 2019	296.5		6.4	11.0	53.1%	3.8%	
March 1, 2018 - February 28, 2019	279.6		6.3	11.0	53.1%	3.8%	
April 1, 2018 - March 31, 2019	269.1		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:

1. Total of flow at S332D + S18C.

2. 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.

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

# Taylor Slough and Coastal Basins First Quarter 2019

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)			
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			
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	4.4			
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	4.6			
8/7/2018	0.004	0.004	0.005	2	326	226	554	2.44	4.4			
8/14/2018	0.006	0.004	0.005	246	333	226	805	3.94	4.9			
8/21/2018	0.006	0.004	0.004	252	543	225	1,021	4.59	4.5			
8/28/2018	0.005	0.004	0.004	249	538	225	1,012	4.30	4.2			
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	4.6			
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	4.1			
10/2/2018	0.006	0.005	0.004	461	184	59	705	3.93	5.6			
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	4.0			
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 <sup>3</sup>	G <sup>3</sup>	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			
1/2/2019	0.006	0.003	0.005	158	104	0	263	1.26	4.8			
1/8/2019	0.006	0.003	0.004	91	56	0	148	0.72	4.9			
1/15/2019	0.008	0.004	0.004	87	0	0	87	0.70	8.0			
1/22/2019	0.008	0.004	0.004	91	0	0	91	0.73	8.0			
1/29/2019	0.006	0.002	0.004	194	187	0	381	1.54	4.0			
2/5/2019	0.006	0.004	0.004	92	139	0	232	1.11	4.8			
2/12/2019	0.007	0.004	0.004	68	34	0	102	0.61	6.0			
2/19/2019	0.006	0.003	0.005	116	125	0	241	1.07	4.4			
2/26/2019	0.007	0.003	0.004	119	10	0	128	0.86	6.7			
3/5/2019	0.002	0.003	0.003	98	0	0	98	0.20	2.0			
3/12/2019	0.008	0.003		74	0	0	74	0.60	8.0			
3/19/2019	0.008	0.004		68	23	0	91	0.64	7.0			
3/26/2019	0.008	0.006		116	12	0	129	1.00	7.8			
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		
February 1, 2018 - January 31, 2019				342.4			6.1			11.0	53.1%	3.8%
March 1, 2018 - February 28, 2019				325.8			6.1			11.0	53.1%	3.8%
April 1, 2018 - March 31, 2019				315.3			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 First Quarter 2019

Alternative **Method 3**: [S332D-S332DX1-S328]+S328+G737+S18C  
Total Phosphorus (TP) Tracking 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)
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	-	314.8	132	234	1.07	4.6
2/20/2018	0.006	0.004	0.018	0.005	436	110	0	100	316.2	20	230	1.14	5.0
2/27/2018	0.007	0.006	0.006	0.006	248	48	0	-	158.3	-	48	0.29	6.0
3/6/2018	0.007	0.003	0.004	0.016	240	89	0	-	166.2	-	89	0.27	3.0
3/13/2018	0.008	0.009	0.007	0.020	248	79	0	81	166.7	-	160	1.36	8.5
3/20/2018	0.009	0.006	0.018	0.047	192	60	0	83	109.7	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	0	148	1.23	8.3
4/3/2018	0.009	0.006			68	47	0	68	0.0	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	0	102	0.99	9.7
4/17/2018	0.012	0.006	J <sup>3</sup>	J <sup>3</sup>	68	-	0	68		0	68	0.81	12.0
4/24/2018	0.013	0.005		J <sup>3</sup>	14	31	0	14	0.0	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	0	7	0.06	8.0
5/8/2018	0.014	0.008		J <sup>3</sup>	0	12	0	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	0	63	0.63	10.0
5/22/2018	0.007	0.007		0.044	89	730	0	89	0.0	0	819	5.73	7.0
5/29/2018	0.007	0.007		0.021	247	715	0	247	0.0	0	962	6.74	7.0
6/5/2018	0.006	0.005		J <sup>3</sup>	0	248	0	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	0	286	1.72	6.0
6/19/2018	0.007	0.005		J <sup>3</sup>	0	543	0	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	0	736	3.68	5.0
7/2/2018	0.005	0.004		J <sup>3</sup>	0	419	0	0	0.0	0	419	1.68	4.0
7/10/2018	0.005	0.005	0.005	J <sup>3</sup>	0	230	226	0	0.0	0	456	2.28	5.0
7/17/2018	0.005	0.004	0.005	J <sup>3</sup>	0	326	225	0	0.0	0	551	2.43	4.4
7/24/2018	0.005	0.004	0.004	0.023	0	400	226	0	0.0	0	626	2.50	4.0
7/31/2018	0.005	0.005	0.004	J <sup>3</sup>	0	358	226	0	0.0	0	584	2.69	4.6
8/7/2018	0.004	0.004	0.005	J <sup>3</sup>	2	326	226	2	0.0	0	554	2.44	4.4
8/14/2018	0.006	0.004	0.005	0.019	246	333	226	246	0.0	0	805	3.94	4.9
8/21/2018	0.006	0.004	0.004	0.014	252	543	225	252	0.0	0	1,021	4.59	4.5
8/28/2018	0.005	0.004	0.004	0.010	249	538	225	249	0.0	0	1,012	4.30	4.2
9/4/2018	0.008	0.017	0.006	0.085	543	1680	276	543	0.0	0	2,499	34.56	13.8
9/11/2018	0.006	0.004	0.003	0.003	541	393	295	374	0.0	167	1,229	5.20	4.2
9/18/2018	0.005	0.005	0.005	0.004	251	352	298	111	0.0	140	901	4.36	4.8
9/25/2018	0.005	0.003	0.004	0.003	438	310	295	211	0.0	227	1,043	3.85	3.7
10/2/2018	0.006	0.005	0.004	0.004	461	184	59	313	0.0	148	705	3.63	5.2
10/9/2018	0.005	0.003	0.004	0.003	533	295	51	355	0.0	178	879	3.40	3.9
10/16/2018	0.004	0.004	0.004	0.004	243	251	45	115	0.0	128	539	2.16	4.0
10/23/2018	0.005	0.003	0.002	0.003	248	160	53	103	0.0	145	461	1.53	3.3
10/30/2018	0.006	0.004	0.004	0.004	245	104		116	0.0	129	349	1.63	4.7
11/6/2018	0.006	0.004	0.005	0.003	216	127	0	106	0.0	110	343	1.47	4.3
11/13/2018	0.006	0.004	0.004	0.003	250	124	0	140	0.0	110	374	1.67	4.5
11/20/2018	0.007	G <sup>3</sup>	G <sup>3</sup>	0.006	247	134	0	139	0.0	108	247	1.62	6.6
11/27/2018	0.006	0.004	0.004	0.007	248	133	0	169	0.0	79	381	2.10	5.5
12/4/2018	0.006	0.004	0.004	0.010	214	119	0	214	0.0	0	333	1.76	5.3
12/11/2018	0.007	0.004	0.003	0.011	231	129	0	231	0.0	0	360	2.13	5.9
12/18/2018	0.006	0.004	0.004	0.018	194	100	0	194	0.0	0	293	1.56	5.3
12/26/2018	0.006	0.004	0.003	0.010	229	135	0	229	0.0	0	364	1.92	5.3
1/2/2019	0.006	0.003	0.005	0.020	158	104	0	158	0.0	0	263	1.26	4.8
1/8/2019	0.006	0.003	0.004	0.024	91	56	0	91	0.0	0	148	0.72	4.9
1/15/2019	0.008	0.004	0.004	0.022	87	0	0	87	0.0	0	87	0.70	8.0
1/22/2019	0.008	0.004	0.004		91	0	0	91	0.0	0	91	0.73	8.0
1/29/2019	0.006	0.002	0.004		194	187	0	194	0.0	0	381	1.54	4.0
2/5/2019	0.006	0.004	0.004		92	139	0	92	0.0	0	232	1.11	4.8
2/12/2019	0.007	0.004	0.004		68	34	0	68	0.0	0	102	0.61	6.0
2/19/2019	0.006	0.003	0.005		116	125	0	116	0.0	0	241	1.07	4.4
2/26/2019	0.007	0.003	0.004		119	10	0	119	0.0	0	128	0.86	6.7
3/5/2019	0.002	0.003	0.003		98	0	0	98	0.0	0	98	0.20	2.0
3/12/2019	0.008	0.003			74	0	0	74	0.0	0	74	0.60	8.0
3/19/2019	0.008	0.004		0.022	68	23	0	68	0.0	0	91	0.64	7.0
3/26/2019	0.008	0.006		0.017	116	12	0	116	0.0	0	129	1.00	7.8

  

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
February 1, 2018 - January 31, 2019	323.7	5.9	11.0	53.1%	3.8%
March 1, 2018 - February 28, 2019	319.1	5.9	11.0	53.1%	3.8%
April 1, 2018 - March 31, 2019	315.3	5.9	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.