

# Taylor Slough and Coastal Basins Fourth 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)
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	191	407	2.06	5.1
11/13/2018	0.006	0.004	250	175	425	2.20	5.2
11/20/2018	0.007	G <sup>1</sup>	247	148	247	1.73	7.0
11/27/2018	0.006	0.004	248	125	373	1.99	5.3
12/4/2018	0.006	0.004	214	158	372	1.92	5.2
12/11/2018	0.007	0.004	231	119	350	2.09	6.0
12/18/2018	0.006	0.004	194	94	288	1.54	5.3
12/26/2018	0.006	0.004	229	125	354	1.87	5.3
1/2/2019	0.006	0.003	158	142	300	1.38	4.6
1/8/2019	0.006	0.003	91	53	144	0.71	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	184	378	1.53	4.1
2/5/2019	0.006	0.004	92	139	232	1.11	4.8
2/12/2019	0.007	0.004	68	84	152	0.81	5.3
2/19/2019	0.006	0.003	116	190	306	1.27	4.1
2/26/2019	0.007	0.003	119	47	165	0.97	5.9
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	36	104	0.69	6.6
3/26/2019	0.008	0.006	116	39	155	1.17	7.5
4/2/2019	0.007	0.004	67	0	67	0.47	7.0
4/9/2019	0.008	0.003	61	94	155	0.77	5.0
4/16/2019	0.008	0.004	68	0	68	0.54	8.0
4/23/2019	0.007	0.005	68	0	68	0.48	7.0
4/30/2019	0.008	0.005	68	0	68	0.54	8.0
5/7/2019	0.008	0.005	185	39	224	1.68	7.5
5/14/2019	0.008	0.006	68	0	68	0.54	8.0
5/21/2019	0.008	0.006	68	0	68	0.54	8.0
5/28/2019	0.011	0.007	20	0	20	0.22	11.0
6/4/2019	0.010	0.006	64	76	140	1.09	7.8
6/11/2019	0.010	0.006	135	106	241	1.98	8.2
6/18/2019	0.007	0.006	367	329	696	4.55	6.5
6/25/2019	0.005	0.004	223	276	499	2.22	4.4
7/2/2019	0.005	0.005	122	221	343	1.71	5.0
7/9/2019	0.006	0.005	278	302	580	3.18	5.5
7/16/2019	0.005	0.004	246	244	490	2.20	4.5
7/23/2019	0.006	0.004	249	205	454	2.31	5.1
7/30/2019	0.006	0.005	246	282	528	2.89	5.5
8/6/2019	0.007	0.004	366	247	613	3.55	5.8
8/13/2019	0.006	0.004	369	345	714	3.59	5.0
8/20/2019	0.006	0.002	435	404	839	3.42	4.1
8/27/2019	0.007	0.004	341	266	607	3.45	5.7
9/4/2019	0.006	0.003	372	304	676	3.14	4.7
9/10/2019	0.006	0.003	247	179	426	2.02	4.7
9/17/2019	0.007	0.003	248	217	465	2.39	5.1
9/24/2019	0.006	0.003	247	M	247	1.48	6.0
10/1/2019	0.006	0.002	245	M	245	1.47	6.0
10/8/2019	0.006	0.003	291	232	523	2.44	4.7
10/15/2019	0.005	0.004	249	235	484	2.18	4.5
10/22/2019	0.005	0.003	248	266	514	2.04	4.0
10/29/2019	0.006	0.005	251	227	478	2.64	5.5
11/5/2019	0.006	0.003	250	177	427	2.03	4.8
11/12/2019	0.005	0.004	251	168	419	1.92	4.6
11/19/2019	0.006	0.003	252	146	398	1.95	4.9
11/26/2019	0.006	0.004	195	130	325	1.69	5.2
12/3/2019	0.005	0.003	251	89	339	1.52	4.5
12/10/2019	0.005	0.003	251	73	324	1.47	4.6
12/17/2019	0.007	0.004	250	115	365	2.21	6.1
12/26/2019	0.005	0.004	255	188	443	2.03	4.6
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)	Guideline	Observed
November 1, 2018 - October 31, 2019		229.8		5.3	11.0	53.1%	1.9%
December 1, 2018 - November 30, 2019		228.2		5.3	11.0	53.1%	1.9%
January 1, 2019 - December 31, 2019		231.8		5.2	11.0	53.1%	1.9%

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:**

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.

G<sup>1</sup>: November 20, 2019 at G737 - Construction on Project was ongoing. There was visible flow.

1. Total of flow at S332D + S18C.

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

# Taylor Slough and Coastal Basins Fourth Quarter 2019

## Alternative Method 2: S332D + 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	S332D	S18C	G737 <sup>2</sup>	Sampled Flow (cfs)	TP Loads (cfs*mg/L)	FWMC (ppb)
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	191	0	407	2.06	5.1
11/13/2018	0.006	0.004	0.004	250	175	0	425	2.20	5.2
11/20/2018	0.007	G <sup>1</sup>	G <sup>2</sup>	247	148	0	247	1.73	7.0
11/27/2018	0.006	0.004	0.004	248	125	0	373	1.99	5.3
12/4/2018	0.006	0.004	0.004	214	158	0	372	1.92	5.2
12/11/2018	0.007	0.004	0.003	231	119	0	350	2.09	6.0
12/18/2018	0.006	0.004	0.004	194	94	0	288	1.54	5.3
12/26/2018	0.006	0.004	0.003	229	125	0	354	1.87	5.3
1/2/2019	0.006	0.003	0.005	158	142	0	300	1.38	4.6
1/8/2019	0.006	0.003	0.004	91	53	0	144	0.71	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	184	0	378	1.53	4.1
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	84	0	152	0.81	5.3
2/19/2019	0.006	0.003	0.005	116	190	0	306	1.27	4.1
2/26/2019	0.007	0.003	0.004	119	47	0	165	0.97	5.9
3/5/2019	0.002	0.003	0.003	98	0	0	98	0.20	2.0
3/12/2019	0.008	0.003	0.003	74	0	0	74	0.60	8.0
3/19/2019	0.008	0.004	0.004	68	36	0	104	0.69	6.6
3/26/2019	0.008	0.006	0.004	116	39	0	155	1.17	7.5
4/2/2019	0.007	0.004	0.004	67	0	0	67	0.47	7.0
4/9/2019	0.008	0.003	0.004	61	94	0	155	0.77	5.0
4/16/2019	0.008	0.004	0.004	68	0	0	68	0.54	8.0
4/23/2019	0.007	0.005	0.004	68	0	0	68	0.48	7.0
4/30/2019	0.008	0.005	0.004	68	0	0	68	0.54	8.0
5/7/2019	0.008	0.005	0.005	185	39	0	224	1.68	7.5
5/14/2019	0.008	0.006	0.004	68	0	0	68	0.54	8.0
5/21/2019	0.008	0.006	0.004	68	0	0	68	0.54	8.0
5/28/2019	0.011	0.007	0.004	20	0	0	20	0.22	11.0
6/4/2019	0.010	0.006	0.004	64	76	0	140	1.09	7.8
6/11/2019	0.010	0.006	0.008	135	106	0	241	1.98	8.2
6/18/2019	0.007	0.006	0.004	367	329	0	696	4.55	6.5
6/25/2019	0.005	0.004	0.006	223	276	0	499	2.22	4.4
7/2/2019	0.005	0.005	0.005	122	221	0	343	1.71	5.0
7/9/2019	0.006	0.005	0.004	278	302	68	648	3.45	5.3
7/16/2019	0.005	0.004	0.004	246	244	58	547	2.43	4.4
7/23/2019	0.006	0.004	0.002	249	205	61	515	2.43	4.7
7/30/2019	0.006	0.005	0.003	246	282	63	591	3.08	5.2
8/6/2019	0.007	0.004	0.004	366	247	67	680	3.82	5.6
8/13/2019	0.006	0.004	0.003	369	345	56	770	3.76	4.9
8/20/2019	0.006	0.002	0.003	435	404	48	886	3.56	4.0
8/27/2019	0.007	0.004	0.004	341	266	40	647	3.61	5.6
9/4/2019	0.006	0.003	0.003	372	304	42	718	3.27	4.6
9/10/2019	0.006	0.003	0.004	247	179	43	469	2.19	4.7
9/17/2019	0.007	0.003	0.004	248	217	44	510	2.57	5.0
9/24/2019	0.006	0.003	0.003	247	M	45	292	1.62	5.5
10/1/2019	0.006	0.002	0.004	245	M	33	277	1.60	5.8
10/8/2019	0.006	0.003	0.004	291	232	27	549	2.55	4.6
10/15/2019	0.005	0.004	0.002	249	235	41	524	2.26	4.3
10/22/2019	0.005	0.003	0.004	248	266	34	547	2.17	4.0
10/29/2019	0.006	0.005	0.003	251	227	28	507	2.73	5.4
11/5/2019	0.006	0.003	0.004	250	177	11	438	2.07	4.7
11/12/2019	0.005	0.004	0.004	251	168	-	419	1.92	4.6
11/19/2019	0.006	0.003	0.003	252	146	22	420	2.02	4.8
11/26/2019	0.006	0.004	0.004	195	130	-	325	1.69	5.2
12/3/2019	0.005	0.003	0.004	251	89	0.004	339	1.52	4.5
12/10/2019	0.005	0.003	0.004	251	73	0	324	1.47	4.6
12/17/2019	0.007	0.004	0.003	250	115	0	365	2.21	6.1
12/26/2019	0.005	0.004	0.003	255	188	30	473	2.12	4.5

  

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	Observed
November 1, 2018 - October 31, 2019	241.6	5.2	11.0	53.1%	1.9%
December 1, 2018 - November 30, 2019	240.4	5.2	11.0	53.1%	1.9%
January 1, 2019 - December 31, 2019	244.6	5.1	11.0	53.1%	1.9%

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:**

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.

G<sup>1</sup>: November 20, 2019 at G737 - Construction on Project was ongoing. There was visible flow.

G<sup>2</sup>: November 20, 2019 at S18C - Gates were opened but there were algal film and dead vegetation on surface at the gates.

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

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

# Taylor Slough and Coastal Basins Fourth 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)
10/2/2018	0.006	0.005	0.004	0.004	461	184	59	313	0	148	704.64	3.63	5.2
10/9/2018	0.005	0.003	0.004	0.003	533	295	51	355	0	178	879.15	3.40	3.9
10/16/2018	0.004	0.004	0.004	0.004	243	251	45	115	0	128	539.23	2.16	4.0
10/23/2018	0.005	0.003	0.002	0.003	248	160	53	103	0	145	460.62	1.53	3.3
10/30/2018	0.006	0.004	0.004	0.004	245	104	-	116	0	129	349.01	1.63	4.7
11/6/2018	0.006	0.004	0.005	0.003	216	191	0	106	0	110	406.66	1.73	4.3
11/13/2018	0.006	0.004	0.004	0.003	250	175	0	140	0	110	424.76	1.87	4.4
11/20/2018	0.007	G <sup>1</sup>	G <sup>2</sup>	0.006	247	148	0	139	0	108	247.20	1.62	6.6
11/27/2018	0.006	0.004	0.004	0.007	248	125	0	169	0	79	373.48	2.07	5.5
12/4/2018	0.006	0.004	0.004	0.010	214	158	0	214	0	0	372.21	1.92	5.2
12/11/2018	0.007	0.004	0.003	0.011	231	119	0	231	0	0	350.28	2.09	6.0
12/18/2018	0.006	0.004	0.004	0.018	194	94	0	194	0	0	287.93	1.54	5.3
12/26/2018	0.006	0.004	0.003	0.010	229	125	0	229	0	0	354.05	1.87	5.3
1/2/2019	0.006	0.003	0.005	0.020	158	142	0	158	0	0	300.35	1.38	4.6
1/8/2019	0.006	0.003	0.004	0.024	91	53	0	91	0	0	143.95	0.71	4.9
1/15/2019	0.008	0.004	0.004	0.022	87	0	0	87	0	0	87.31	0.70	8.0
1/22/2019	0.008	0.004	0.004		91	0	0	91	0	0	90.74	0.73	8.0
1/29/2019	0.006	0.002	0.004		194	184	0	194	0	0	378.09	1.53	4.1
2/5/2019	0.006	0.004	0.004	J	92	139	0	92	0	0	231.80	1.11	4.8
2/12/2019	0.007	0.004	0.004	J	68	84	0	68	0	0	151.90	0.81	5.3
2/19/2019	0.006	0.003	0.005		116	190	0	116	0	0	306.43	1.27	4.1
2/26/2019	0.007	0.003	0.004	J	119	47	0	119	0	0	165.21	0.97	5.9
3/5/2019	0.002	0.003	0.003	J	98	0	0	98	0	0	98.02	0.20	2.0
3/12/2019	0.008	0.003		J	74	0	0	74	0	0	74.47	0.60	8.0
3/19/2019	0.008	0.004		0.022	68	36	0	68	0	0	103.80	0.69	6.6
3/26/2019	0.008	0.006		0.017	116	39	0	116	0	0	155.43	1.17	7.5
4/2/2019	0.007	0.004		J	67	0	0	67	0	0	67.12	0.47	7.0
4/9/2019	0.008	0.003		J	61	94	0	61	0	0	155.10	0.77	5.0
4/16/2019	0.008	0.004		J	68	0	0	68	0	0	68.00	0.54	8.0
4/23/2019	0.007	0.005		J	68	0	0	68	0	0	68.00	0.48	7.0
4/30/2019	0.008	0.005			68	0	0	68	0	0	67.53	0.54	8.0
5/7/2019	0.008	0.005		J	185	39	0	185	0	0	224.12	1.68	7.5
5/14/2019	0.008	0.006		J	68	0	0	68	0	0	68.00	0.54	8.0
5/21/2019	0.008	0.006		J	68	0	0	68	0	0	68.00	0.54	8.0
5/28/2019	0.011	0.007		J	20	0	0	20	0	0	20.13	0.22	11.0
6/4/2019	0.010	0.006		0.084	64	76	0	64	0	0	139.83	1.09	7.8
6/11/2019	0.010	0.006	0.008	0.062	135	106	0	135	0	0	240.69	1.98	8.2
6/18/2019	0.007	0.006	0.004	0.029	367	329	0	243	124	0	571.94	3.67	6.4
6/25/2019	0.005	0.004	0.006	0.030	223	276	0	223	0	0	499.49	2.22	4.4
7/2/2019	0.005	0.005	0.005	0.016	122	221	0	122	0	0	343.00	1.71	5.0
7/9/2019	0.006	0.005	0.004	0.009	278	302	68	194	35	50	613.37	3.39	5.5
7/16/2019	0.005	0.004	0.004	0.004	246	244	58	164	0	82	547.34	2.35	4.3
7/23/2019	0.006	0.004	0.002	0.003	249	205	61	162	0	86	515.03	2.18	4.2
7/30/2019	0.006	0.005	0.003	0.004	246	282	63	156	0	90	590.95	2.90	4.9
8/6/2019	0.007	0.004	0.004	0.004	366	247	67	271	0	94	680.06	3.53	5.2
8/13/2019	0.006	0.004	0.003	0.003	369	345	56	263	0	105	770.03	3.45	4.5
8/20/2019	0.006	0.002	0.003	0.003	435	404	48	320	0	115	886.30	3.21	3.6
8/27/2019	0.007	0.004	0.004	0.004	341	266	40	217	0	123	646.75	3.24	5.0
9/4/2019	0.006	0.003	0.003	0.003	372	304	42	248	0	124	717.69	2.90	4.0
9/10/2019	0.006	0.003	0.004	0.003	247	179	43	121	0	126	469.20	1.81	3.9
9/17/2019	0.007	0.003	0.004	0.004	248	217	44	113	0	135	509.71	2.16	4.2
9/24/2019	0.006	0.003	0.003	0.003	247	M	45	103	0	144	292.43	1.19	4.1
10/1/2019	0.006	0.002	0.004	0.005	245	M	33	71	0	173	277.25	1.42	5.1
10/8/2019	0.006	0.003	0.004	0.004	291	232	27	115	0	175	549.35	2.20	4.0
10/15/2019	0.005	0.004	0.002	0.003	249	235	41	142	0	107	524.46	2.05	3.9
10/22/2019	0.005	0.003	0.004	0.004	248	266	34	248	0	-	547.32	2.17	4.0
10/29/2019	0.006	0.005	0.003	0.004	251	227	28	251	0	-	506.53	2.73	5.4
11/5/2019	0.006	0.003	0.004	0.005	250	177	11	169	0.024	81	437.72	1.99	4.6
11/12/2019	0.005	0.004	0.004	0.005	251	168	-	134	0	116	418.52	1.92	4.6
11/19/2019	0.006	0.003	0.003	0.005	252	146	22	113	0	139	419.99	1.88	4.5
11/26/2019	0.006	0.004	0.004	0.005	195	130	-	55	0	140	325.48	1.55	4.8
12/3/2019	0.005	0.003	0.004	0.010	251	89	0.004	251	0	0	339.32	1.52	4.5
12/10/2019	0.005	0.003	0.004	0.010	251	73	0	251	0	0	323.81	1.47	4.6
12/17/2019	0.007	0.004	0.003	0.009	250	115	0	250	0	0	365.44	2.21	6.1
12/26/2019	0.005	0.004	0.003	0.005	255	188	30	255	0	0	473.39	2.12	4.5
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	Observed			
November 1, 2018 - October 31, 2019				239.8		5.0		11.0		53.1%	1.9%		
December 1, 2018 - November 30, 2019				238.6		4.9		11.0		53.1%	1.9%		
January 1, 2019 - December 31, 2019				242.8		4.8		11.0		53.1%	1.9%		

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:

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.

G<sup>1</sup>: November 20, 2019 at G737 - Construction on Project was ongoing. There was visible flow.

G<sup>2</sup>: November 20, 2019 at S18C - Gates were opened but there were algal film and dead vegetation on surface at the gates.

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

1. Total of flow at (S332D - S332DX1) + G737 + S18C.

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