

Taylor Slough and Coastal Basins Second Quarter 2022

[S332D-S332DX1-S328]+S328+G737+S18C

Total Phosphorus (TP) Data Report

Sampling Event Date	TP Concentration (mg/L)				Daily Mean Flow (cfs)						Sampling Events TP FPMC		
	S332D (S332DX)	S18C	G737	S328 ¹	S332D	S18C	G737	S332D - S332DX1-S328	S332DX1	S328	Sampled Flow (cfs)	Flow (cfs) * TP (mg/L)	Event FPMC (ppb)
5/4/2021	0.005	0.004		J	251	0	0	251	0	0	251	1.25	5.0
5/11/2021	0.006	0.005		J	152	-	0	152	0	0	152	0.91	6.0
5/18/2021	0.007	0.006		J	123	-	0	123	0	0	123	0.86	7.0
5/25/2021	0.006	0.005		J	0	-	0	0	0	0	0	0.00	No flow
6/2/2021	0.007	0.006		J	0	0	0	0	0	0	0	0.00	No flow
6/8/2021	0.010	0.006		J	0	0	0	0	0	0	0	0.00	No flow
6/15/2021	0.006	0.006	0.013	J	0	-	0	0	0	0	0	0.00	No flow
6/22/2021	0.005	0.004		0.014	247	177	0	247	0	0	424	1.94	4.6
6/29/2021	0.006	0.004		J	124	126	0	124	0	0	250	1.25	5.0
7/6/2021	0.005	0.003	0.004	J	247	223	0	247	0	0	470	1.90	4.1
7/13/2021	0.006	0.004		J	193	160	0	193	0	0	353	1.80	5.1
7/20/2021	0.006	0.004			82	244	0	82	0	0	326	1.47	4.5
7/27/2021	0.005	0.003		J	200	235	0	200	0	0	435	1.70	3.9
8/3/2021	0.006	0.003			248	317	0	248	0	0	565	2.44	4.3
8/10/2021	0.006	0.005		0.014	248	216	0	248	0	0	464	2.57	5.5
8/17/2021	0.005	0.004			439	195	0	439	0	0	634	2.98	4.7
8/24/2021	0.006	0.004		0.010	249	62	0	249	0	0	311	1.74	5.6
8/31/2021	0.005	0.004	No flow		251	207	29	251	0	-	458	2.08	4.5
9/8/2021	0.005	0.004	0.004	0.003	366	297	71	366	0	-	734	3.30	4.5
9/14/2021	0.006	0.004	0.003		250	244	62	250	0	-	556	2.66	4.8
9/21/2021	0.006	0.004	0.003	0.004	389	269	75	389	0	6	733	3.63	4.9
9/28/2021	0.005	0.004	0.003		319	221	71	319	0	-	611	2.69	4.4
10/5/2021	0.005	0.003	0.003	0.004	317	212	55	317	0	-	584	2.39	4.1
10/12/2021	0.005	0.004	0.003		433	266	59	433	0	-	758	3.41	4.5
10/19/2021	0.005	0.003	0.003	0.003	397	139	55	397	0	-	591	2.57	4.3
10/26/2021	0.005	0.004	0.004		435	209	52	435	0	-	696	3.22	4.6
11/2/2021	0.005	0.004	0.004	0.004	366	206	53	366	0	-	625	2.87	4.6
11/9/2021	0.005	0.003	0.003		443	234	55	352	0	91	641	2.63	4.1
11/16/2021	0.006	0.004	0.004	0.003	420	166	52	299	0	121	638	3.03	4.7
11/23/2021	G	G	G		413	272	51	312	0.03	101	0	0.00	No flow
11/30/2021	0.006	0.004	Too shallow	0.003	277	167	45	220	0	57	444	2.16	4.9
12/7/2021	0.006	0.003	Too shallow		318	172	32	252	0	67	424	2.03	4.8
12/14/2021	0.006	0.004	Too shallow	0.002	315	82	24	229	0	86	397	1.87	4.7
12/21/2021	0.006	0.006	Too shallow		423	146	22	423	0	-	569	3.42	6.0
12/28/2021	0.006	0.004	No record flow	0.004	444	131	16	438	0	6	575	3.18	5.5
1/4/2022	0.005	0.003	Too shallow		318	40	18	318	0	-	358	1.71	4.8
1/11/2022	0.007	0.005	Too shallow	0.002	317	136	23	289	0	28	453	2.76	6.1
1/18/2022	0.005	0.004	Too shallow		320	65	21	269	0	50	334	1.61	4.8
1/25/2022	0.006	0.004	Too shallow	0.002	434	163	41	291	143	1	455	2.40	5.3
2/1/2022	0.005	0.003	Too shallow		378	84	30	218	141	19	302	1.34	4.4
2/8/2022	0.005	0.004	0.003	0.003	250	67	21	129	0	121	338	1.34	4.0
2/15/2022	0.007	0.004	0.003		0	138	0	0	0	0	138	0.55	4.0
2/22/2022	0.011	0.004	0.004	J	0	94	19	0	0	0	113	0.45	4.0
3/1/2022		0.004	0.006		0	42	5	0	0	0	48	0.20	4.2
3/8/2022		0.005		NOB	0	0	0	0	0	0	0	0.00	No flow
3/15/2022		0.004			0	0	0	0	0	0	0	0.00	No flow
3/23/2022	0.006	0.005		0.012	249	104	0	249	0	0	354	2.02	5.7
3/29/2022	0.005	0.004			148	70	0	148	0	0	218	1.02	4.7
4/5/2022	0.006	0.005		NOB	124.234	10	0	124	0	0	134	0.80	5.9
4/12/2022	0.007	0.012			0	17	0	0	0	0	17	0.21	12.0
4/19/2022	0.006	0.004		J	0	36	0	0	0	0	36	0.14	4.0
4/26/2022	0.005	0.005			0	0	0	0	0	0	0	0.00	No flow
5/5/2022	0.004	0.006		NOB	115.808	0	0	57	59	0	57	0.23	4.0
5/10/2022	0.006	0.006			0	0	0	0	0	0	0	0.00	No flow
5/17/2022	0.006	0.004		NOB	202.193	102	0	202	0	0	304	1.62	5.3
5/24/2022	0.004	0.004			0	43	0	0	0	0	43	0.17	4.0
5/31/2022	0.005	0.005		0.023	457.701	8	0	258	200	0	266	1.33	5.0
6/7/2022	0.007	0.012			561.797	593	0	344	218	0	937	9.52	10.2
6/14/2022	0.006	0.006		0.007	553.045	8	0	279	274	0	287	1.72	6.0
6/21/2022	0.006	0.004			497.120	74	0	223	274	0	297	1.63	5.5
6/28/2022	0.006	0.005		0.006	441.740	111	0	244	198	0	355	2.02	5.7
Period	Total Flow ²				12-Month FPMC ³		12-Month Long-term Limit		Percent of Sampling Events Greater than 10 ppb				
	(kac-ft)				(ppb)		(ppb)		Observed (%)		Guideline (%)		
May 1, 2021 to April 30, 2022	273.2				4.8		11.0		2.3		53.1		
June 1, 2021 to May 31, 2022	271.0				4.8		11.0		2.2		53.1		
July 1, 2021 to June 30, 2022	288.6				5.1		11.0		4.3		53.1		

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.

Yellow shaded cell indicates that there was flow at the site but the water quality data was missing.

No record flow: The site was not visited because the records indicated the gates were closed at the time of the sampling trip planning.

Too shallow: Water sample was not taken because total depth was less than 0.1 meters.

Blank cells in TP concentrations indicate NOB due to no-flow (gate closed) or too shallow water depth (less than 0.1 m) except for S328. S328 is on a bi-weekly sampling schedule as indicated in note number 1.

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

J: Sample was taken from an isolated pool and was not representative of the surrounding wetland.

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.

Notes:

1. S328 is bi-weekly sampling schedule from 7/13/2021. NOB for S328 data indicates the water sample was not taken because gate was closed and the site was an isolated pool, not representative of surrounding area.

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

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