

Taylor Slough and Coastal Basins Fourth 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 FWMC		
	S332D (S332DX)	S18C	G737	S328 ¹	S332D	S18C	G737	S332D - S332DX1 - S328	S332DX1	S328	Sampled Flow (cfs)	Flow (cfs) * TP (mg/L)	Event FWMC (ppb)
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	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	116	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	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	458	8	0	258	200	0	266	1.33	5.0
6/7/2022	0.007	0.012			562	593	0	344	218	0	937	9.52	10.2
6/14/2022	0.006	0.006		0.007	553	8	0	279	274	0	287	1.72	6.0
6/21/2022	0.006	0.004			497	74	0	223	274	0	297	1.63	5.5
6/28/2022	0.006	0.005		0.006	442	111	0	244	198	0	355	2.02	5.7
7/5/2022	0.005	0.006			318	223	0	234	84	0	457	2.51	5.5
7/12/2022	0.006	0.006		0.006	213	382	0	213	0	0	595	3.57	6.0
7/19/2022	0.006	0.004	No record flow		341	144	54	341	0	-	485	2.62	5.4
7/26/2022		0.004	0.003		407	262	48	407	0	-	310	1.19	3.8
7/28/2022	0.004			0.002	529	309	63	369	0	160	529	1.80	3.4
8/2/2022	0.005	0.004	0.004		549	239	54	434	0	115	728	3.35	4.6
8/9/2022	0.005	0.014	0.003	0.003	441	298	49	441	0	-	788	6.53	8.3
8/16/2022	0.005	0.004	0.003		441	296	49	441	0	-	786	3.53	4.5
8/23/2022	0.005	0.003	0.004	0.003	371	301	49	371	0	-	721	2.95	4.1
8/30/2022	0.005	0.004	0.002		314	193	47	314	0	-	554	2.44	4.4
9/6/2022	0.006	0.004	0.003	0.002	408	221	42	408	0	-	672	3.46	5.2
9/13/2022	0.005	0.004	0.003		501	223	30	413	0	88	666	3.05	4.6
9/20/2022	0.003	0.004	0.003	0.003	539	191	52	329	0	210	782	2.54	3.2
9/27/2022	0.004	0.004	0.003		562	499	64	311	0	251	874	3.43	3.9
10/4/2022	0.005	0.006	0.004	0.003	542	331	59	367	0	175	933	4.58	4.9
10/11/2022	0.006	0.005	0.002		550	178	45	371	0	178	593	3.20	5.4
10/18/2022	0.004	0.004	0.003	0.002	561	163	44	374	0	187	767	2.65	3.5
10/25/2022	0.005	0.004	0.003		437	187	44	409	0	28	640	2.92	4.6
11/1/2022	0.007	0.004	0.004	0.002	374	110	14	344	0	30	498	2.96	5.9
11/8/2022	0.006	0.004			317	137	0	317	0	-	454	2.45	5.4
11/15/2022	0.007	0.004		0.003	441	90	0	367	0	74	531	3.15	5.9
11/22/2022	0.004	0.005			431	197	0	345	0	86	542	2.37	4.4
11/29/2022	0.005	0.004		0.002	440	159	0	357	0	83	599	2.59	4.3
12/6/2022	0.004	0.004			431	152	0	347	0	84	499	2.00	4.0
12/13/2022	0.005	0.004		0.003	317	157	0	306	0	12	474	2.19	4.6
12/20/2022	0.006	0.004			434	137	0	426	0	8	563	3.10	5.5
12/27/2022	0.005	0.003		0.002	426	163	0	426	0	-	589	2.62	4.4

Period	Total Flow ²	12-Month FWMC ³	12-Month Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Observed (%)	Guideline (%)
November 1, 2021 - October 31, 2022	329.0	5.1	11.0	4.2	53.1
December 1, 2021 - November 30, 2022	321.1	5.2	11.0	4.1	53.1
January 1, 2022 - December 31, 2022	321.3	5.1	11.0	4.1	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.