

Taylor Slough and Coastal Basins Second Quarter 2023

[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)
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
10/11/2020	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	907	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
1/3/2023	0.004	0.004			194	24	0	194	0	-	218	0.87	4.0
1/10/2023	0.005	0.004		0.006	193	55	0	193	0	-	248	1.18	4.8
1/17/2023	0.004	0.003			192	3	0	192	0	-	195	0.78	4.0
1/24/2023	0.005	0.003		0.016	190	0	0	190	0	-	190	0.95	5.0
1/31/2023	0.005				249	0	0	249	0	0	249	1.25	5.0
2/7/2023	0.006	0.005		0.017	297	235	0	239	57	0	474	2.61	5.5
2/14/2023	0.005	0.004			254	135	0	254	0	0	389	1.81	4.7
2/21/2023	0.005	0.004		0.006	248	66	0	248	0	0	314	1.50	4.8
2/28/2023	0.006	0.005			248	29	0	248	0	0	277	1.63	5.9
3/7/2023	0.005	0.005		0.008	131	11	0	131	0	0	142	0.71	5.0
3/14/2023	0.006	0.005			172	0	0	172	0	0	172	1.03	6.0
3/21/2023	0.005	0.006		0.031	165	0	0	165	0	0	165	0.83	5.0
3/28/2023	0.005	0.005			192	0	0	192	0	0	192	0.96	5.0
4/4/2023	0.005	0.005		0.022	249	0	0	249	0	0	249	1.24	5.0
4/11/2023	0.005	0.008			248	1	0	248	0	0	249	1.25	5.0
4/18/2023	0.004	0.005		0.015	289	183	0	272	17	0	455	2.00	4.4
4/25/2023	0.011	0.003			78	79	0	78	0	0	157	1.10	7.0
5/2/2023	0.004	0.003		NOB	251	23	0	251	0	0	274	1.07	3.9
5/9/2023	0.005	0.006			193	0	0	193	0	0	193	0.96	5.0
5/16/2023	0.006	0.004		NOB	77	0	0	77	0	0	77	0.46	6.0
5/23/2023	0.004	0.005			345	22	0	235	110	0	257	1.05	4.1
5/30/2023	0.004	0.005		0.009	371	239	0	241	130	0	480	2.16	4.5
6/6/2023	0.006	0.004			395	354	0	233	163	0	587	2.81	4.8
6/13/2023	0.004	0.004		0.008	440	352	0	237	204	0	589	2.35	4.0
6/20/2023	0.006	0.004			360	305	0	271	89	0	576	2.85	4.9
6/27/2023	0.005	0.005		0.006	367	376	0	257	110	0	633	3.17	5.0

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 (%)
May 1, 2022 - April 30, 2023	337.2	5.1	11.0	1.9	53.1
June 1, 2022 - May 31, 2023	350.7	5.1	11.0	1.9	53.1
July 1, 2022 - June 30, 2023	357.3	4.8	11.0	0.0	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.

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.

Notes:
 1. S328 is bi-weekly sampling schedule from 7/13/2021. NOB 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.