

# Taylor Slough and Coastal Basins Fourth 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 <sup>1</sup>	S332D	S18C	G737	S332D - S332DX1 - S328	S332DX1	S328	Sampled Flow (cfs)	Flow (cfs) * TP (mg/L)	Event FWMC (ppb)
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
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
7/6/2023	0.006	0.005			437	345	0	245	192	0	590	3.19	5.4
7/11/2023	0.006	0.005		0.005	441	296	0	247	194	0	543	2.96	5.5
7/18/2023	0.005	0.005			441	255	0	441	0	0	696	3.48	5.0
7/25/2023	0.004	0.003	0.004	0.002	439	171	-	371	0	69	610	2.13	3.5
8/1/2023	0.004	0.004	0.003		565	283	48	389	0	176	720	2.83	3.9
8/8/2023	0.004	0.003	0.004	0.002	556	285	42	401	0	155	883	2.94	3.3
8/15/2023	0.004	0.004	0.002		522	272	13	346	0	176	631	2.50	4.0
8/22/2023	0.003	0.003	0.002	0.003	565	237	47	406	0	159	849	2.50	2.9
8/29/2023	0.004	0.003	0.003		557	136	44	406	0	151	586	2.16	3.7
9/5/2023	0.005	0.003	0.003	0.002	562	64	34	445	0	118	660	2.75	4.2
9/12/2023	0.006	0.004	0.003		557	0	45	467	0	90	512	2.94	5.7
9/19/2023	0.006	0.004	0.003	0.003	533	27	42	402	0	131	602	3.04	5.0
9/26/2023	0.007	G	G		464	31	30	313	0	151	313	2.19	7.0
10/3/2023	0.005	0.004	0.003	0.003	421	63	19	328		93	503	2.23	4.4
10/10/2023	0.009	0.004	0.002		437	127	24	437	0	-	588	4.49	7.6
10/17/2023	0.006	0.004	0.003	0.002	441	198	31	441	0	-	670	3.53	5.3
10/24/2023	0.006	0.004	0.003		436	149	35	436	0	-	619	3.31	5.4
10/31/2023	0.006	0.004	0.003	0.002	436	128	30	436	0	-	594	3.22	5.4
11/7/2023	0.005	0.006	0.003		421	143	26	421	0	-	590	3.04	5.2
11/14/2023	0.003	0.004	0.003	0.003	394	70	36	394	0	-	500	1.57	3.1
11/21/2023	0.004	0.012	0.004		430	70	51	430	0	-	551	2.76	5.0
11/28/2023	0.005	0.007	0.003	0.002	518	334	52	518	0	-	903	5.08	5.6
12/5/2023	0.005	0.006	0.003		311	247	40	311	0	-	598	3.16	5.3
12/12/2023	0.005	0.006	0.003	0.004	387	117	42	387	0	-	546	2.76	5.1
12/19/2023	0.006	0.006	0.003		338	252	54	338	0	-	643	3.70	5.8
12/28/2023	0.005	G	G	0.003	408	228	47	398	0	10	408	2.02	5.0

  

Period	Total Flow <sup>2</sup> (kac-ft)	12-Month Long-Term Limit (ppb)	12-Month FWMC <sup>3</sup> (ppb)	Percent of Sampling Events Greater than 10 ppb	
				Guideline (%)	Observed (%)
Nov 1, 2022 - Oct 31, 2023	347.8	11.0	4.8	53.1	0.0
Dec 1, 2022 - Nov 30, 2023	358.2	11.0	4.8	53.1	0.0
Jan 1, 2023 - Dec 31, 2023	363.3	11.0	4.8	53.1	0.0

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.

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.

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.

\*\* in flow data indicates the value was negative and zeroed out in the calculations.

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.