

Taylor Slough and Coastal Basins Fourth Quarter 2024

[S332D-S332DX1-S328]+S328+G737+S332DX
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	Flow (cfs) * TP (mg/L)	Sampled Flow (cfs)	Event FWMC (ppb)
11/7/2023	0.005	0.005	0.003		421	143	26	421	0	-	1.07	274	3.9
11/14/2023	0.003	0.003	0.003	0.003	394	70	36	394	0	-	0.96	193	5.0
11/21/2023	0.004	0.004	0.004		430	70	51	430	0	-	0.46	77	6.0
11/28/2023	0.005	0.005	0.003	0.002	518	334	52	518	0	-	1.05	257	4.1
12/5/2023	0.005	0.005	0.003		311	247	40	311	0	-	2.16	480	4.5
12/12/2023	0.005	0.005	0.003	0.004	387	117	42	387	0	-	2.81	587	4.8
12/19/2023	0.006	0.006	0.003		338	252	54	338	0	-	2.35	589	4.0
12/28/2023	0.005	0.005	G	0.003	408	228	47	398	0	10	2.85	576	4.9
1/4/2024	0.006	0.006	0.003		315	209	51	315	0	-	3.17	633	5.0
1/9/2024	0.005	0.005	0.003	0.006	316	214	54	277	0	39	2.85	584	4.9
1/16/2024	0.005	0.005	0.003		310	162	55	289	0	21	2.58	506	5.1
1/23/2024	0.004	0.004	0.007	0.002	317	170	46	295	0	22	2.39	533	4.5
1/30/2024	0.005	0.005	0.004		234	157	45	233	0	2	2.13	435	4.9
2/6/2024	0.004	0.004	0.003	0.007	250	193	54	250	0	-	1.93	497	3.9
2/13/2024	0.006	0.006	0.002		267	165	57	267	0	-	2.54	489	5.2
2/20/2024	0.003	0.003	0.002	0.008	244	203	52	244	0	-	1.65	499	3.3
2/27/2024	0.006	0.006	0.003		201	44	61	201	0	-	1.57	306	5.1
3/5/2024	0.006	0.006	0.002	0.009	244	138	63	244	0	-	2.42	445	5.4
3/12/2024	0.006	0.006	0.002		367	82	66	247	119	-	2.11	395	5.3
3/19/2024	0.006	0.006		0.008	246	51	0	246	0	-	1.73	297	5.8
3/26/2024	0.005	0.005			561	0	0	261	300	-	1.31	261	5.0
4/2/2024	0.006	0.006		0.004	314	278	0	246	68	-	3.14	524	6.0
4/9/2024	0.005	0.005			315	266	0	244	71	-	2.55	510	5.0
4/16/2024	0.006	0.006		0.004	243	183	0	243	0	-	2.55	426	6.0
4/23/2024	0.005	0.005			243	0	0	243	0	-	1.22	243	5.0
4/30/2024	0.006	0.006		0.014	270	226	0	221	49	0	2.45	447	5.5
5/7/2024	0.005	0.005			245	13	0	245	0	0	1.29	258	5.0
5/14/2024	0.005	0.005		J	246	0	0	246	0	0	1.23	246	5.0
5/21/2024	Y	Y			190	0	0	190	0	0	0.00	0	N/A
5/28/2024	0.008	0.008		J	0	36	0	0	0	0	0.00	0	N/A
6/4/2024	0.011	0.011			0	0	0	0	0	0	0.00	0	N/A
6/11/2024	0.004	0.004		0.022	493	411	0	212	282	0	3.31	623	5.3
6/18/2024	0.005	0.005	0.006		557	637	0	238	318	0	5.01	875	5.7
6/25/2024	0.005	0.005		0.007	564	518	0	252	312	0	3.33	770	4.3
7/2/2024	0.005	0.005	0.004		435	326	0	225	209	0	3.08	551	5.6
7/9/2024	G	G	0.004	G	315	316	0	241	74	0	2.53	316	8.0
7/16/2024	0.005	0.005	0.005		245	341	21	245	0	0	3.37	607	5.6
7/23/2024	0.005	0.005	0.003	0.006	553	215	40	553	0	0	4.17	807	5.2
7/30/2024	0.005	0.005	G		516	207	44	516	0	0	2.58	516	5.0
8/6/2024	0.005	0.005	0.004	0.006	553	211	44	553	0	0	4.21	808	5.2
8/13/2024	0.005	0.005	0.003		362	307	52	362	0	0	3.81	722	5.3
8/20/2024	0.004	0.004	0.002	0.003	439	303	59	439	0	0	3.39	801	4.2
8/27/2024	0.006	0.006	0.003		488	286	66	488	0	0	5.70	841	6.8
9/3/2024	0.005	0.005	0.002	0.004	555	430	70	555	0	0	5.06	1054	4.8
9/10/2024	0.004	0.004	0.002		563	291	70	563	0	0	3.27	925	3.5
9/17/2024	0.007	0.007	0.003	0.005	560	543	66	560	0	0	7.38	1169	6.3
9/24/2024	0.005	0.005	0.002		557	422	68	557	0	0	4.61	1046	4.4
10/1/2024	0.005	0.005	IG	0.006	554	444	67	554	0	0	2.77	554	5.0
10/7/2024	0.007	0.007	0.003		560	656	72	560	0	0	8.07	1288	6.3
10/15/2024	0.006	0.006	0.007	0.007	564	600	61	564	0	0	6.81	1225	5.6
10/22/2024	0.006	0.006	0.003		555	420	55	555	0	0	6.02	1030	5.8
10/29/2024	0.005	0.005	0.003	0.005	442	292	54	442	0	0	3.83	788	4.9
11/5/2024	0.007	0.007	0.004		311	211	50	311	0	0	3.65	573	6.4
11/12/2024	0.006	0.006	0.003	0.006	292	201	37	292	0	0	3.68	531	6.9
11/19/2024	J	J	0.004		317	130	-	317	0	0	0.78	130	6.0
11/26/2024	0.006	0.006	0.002	0.008	317	131	-	317	0	0	2.42	448	5.4
12/3/2024	0.006	0.006	0.004		318	86	18	318	0	0	2.49	421	5.9
12/10/2024	0.005	0.005	0.004	0.010	317	91	26	317	0	0	2.23	433	5.1
12/17/2024	0.004	0.004	0.005		315	123	32	315	0	0	2.03	470	4.3
12/27/2024	0.005	0.005	0.004	0.008	318	0	31	318	0	0	1.71	349	4.9
Period		Total Flow (1000 ac-ft)			12-Month Long-term Limit		12-Month FWMC (ppb)		Sampling Events Greater than 10 ppb Guideline (%)		Observed >10 ppb (%)		
Nov 2023 – Oct 2024		458.2			11.0		5.2		53.1		0.0		
Dec 2023 – Nov 2024		447.3			11.0		5.3		53.1		0.0		
Jan 2024 – Dec 2024		436.7			11.0		5.3		54.1		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.

Y: Analysis was from an improperly preserved sample.

J: Sample was taken from a disconnected pool and was not representative of the surrounding wetland.

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

Notes:

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

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