

Taylor Slough and Coastal Basins Third 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)	S332DX	G737	S328 ¹	S332D	S332DX	G737	S332D - S332DX1 - S328	S332DX1	S328	Flow (cfs) * TP (mg/L)	Sampled Flow (cfs)	Event FWMC (ppb)
8/1/2023	0.004	0.004	0.003	NOB	565	0	48	389	0	176	1.07	274	3.9
8/8/2023	0.004	0.003	0.004	0.002	556	0	42	401	0	155	0.96	193	5.0
8/15/2023	0.004	0.004	0.002	NOB	522	0	13	346	0	176	0.46	77	6.0
8/22/2023	0.003	0.003	0.002	0.003	565	0	47	406	0	159	1.05	257	4.1
8/29/2023	0.004	0.003	0.003		557	0	44	406	0	151	2.16	480	4.5
9/5/2023	0.005	0.003	0.003	0.002	562	0	34	445	0	118	2.81	587	4.8
9/12/2023	0.006	0.004	0.003		557	0	45	467	0	90	2.35	589	4.0
9/19/2023	0.006	0.004	0.003	0.003	533	0	42	402	0	131	2.85	576	4.9
9/26/2023	0.007	G	G		464	0	30	313	0	151	3.17	633	5.0
10/3/2023	0.005	0.004	0.003	0.003	421	0	19	328	0	93	2.23	503	4.4
10/10/2023	0.009	0.004	0.002		437	0	24	437	0	-	4.49	588	7.6
10/17/2023	0.006	0.004	0.003	0.002	441	0	31	441	0	-	3.53	670	5.3
10/24/2023	0.006	0.004	0.003		436	0	35	436	0	-	3.31	619	5.4
10/31/2023	0.006	0.004	0.003	0.002	436	0	30	436	0	-	3.22	594	5.4
11/7/2023	0.005	0.006	0.003		421	0	26	421	0	-	3.04	590	5.2
11/14/2023	0.003	0.004	0.003	0.003	394	0	36	394	0	-	1.57	500	3.1
11/21/2023	0.004	0.012	0.004		430	0	51	430	0	-	2.76	551	5.0
11/28/2023	0.005	0.007	0.003	0.002	518	0	52	518	0	-	5.08	903	5.6
12/5/2023	0.005	0.006	0.003		311	0	40	311	0	-	3.16	598	5.3
12/12/2023	0.005	0.006	0.003	0.004	387	0	42	387	0	-	2.76	546	5.1
12/19/2023	0.006	0.006	0.003		338	0	54	338	0	-	3.70	643	5.8
12/28/2023	0.005	G	G	0.003	408	0	47	398	0	10	2.02	408	5.0
1/4/2024	0.006	0.005	0.003		315	0	51	315	0	-	3.09	575	5.4
1/9/2024	0.005	0.005	0.003	0.006	316	0	54	277	0	39	2.85	584	4.9
1/16/2024	0.005	0.006	0.003		310	0	55	289	0	21	2.58	506	5.1
1/23/2024	0.004	0.005	0.007	0.002	317	0	46	295	0	22	2.39	533	4.5
1/30/2024	0.005	0.005	0.004		234	0	45	233	0	2	2.13	435	4.9
2/6/2024	0.004	0.004	0.003	0.007	250	0	54	250	0	-	1.93	497	3.9
2/13/2024	0.006	0.005	0.002		267	0	57	267	0	-	2.54	489	5.2
2/20/2024	0.003	0.004	0.002	0.008	244	0	52	244	0	-	1.65	499	3.3
2/27/2024	0.006	0.004	0.003		201	0	61	201	0	-	1.57	306	5.1
3/5/2024	0.006	0.006	0.002	0.009	244	0	63	244	0	-	2.42	445	5.4
3/12/2024	0.006	0.006	0.002		367	119	66	247	119	-	2.11	395	5.3
3/19/2024	0.006	0.005		0.008	246	0	0	246	0	-	1.73	297	5.8
3/26/2024	0.005	0.005			561	300	0	261	300	-	1.31	261	5.0
4/2/2024	0.006	0.006		0.004	314	68	0	246	68	-	3.14	524	6.0
4/9/2024	0.005	0.005			315	71	0	244	71	-	2.55	510	5.0
4/16/2024	0.006	0.006		0.004	243	0	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	0.005		0.014	270	49	0	221	49	0	2.45	447	5.5
5/7/2024	0.005	0.005			245	0	0	245	0	0	1.29	258	5.0
5/14/2024	0.005	0.006		J	246	0	0	246	0	0	1.23	246	5.0
5/21/2024	Y	0.004			190	0	0	190	0	0	0.00	0	N/A
5/28/2024	0.008			J	0	0	0	0	0	0	0.00	0	N/A
6/4/2024	0.011	0.007			0	0	0	0	0	0	0.00	0	N/A
6/11/2024	0.004	0.006		0.022	493	282	0	212	282	0	3.31	623	5.3
6/18/2024	0.005	0.006	0.006		557	318	0	238	318	0	5.01	875	5.7
6/25/2024	0.005	0.004		0.007	564	312	0	252	312	0	3.33	770	4.3
7/2/2024	0.005	0.006	0.004		435	209	0	225	209	0	3.08	551	5.6
7/9/2024	G	0.008	0.004	G	315	74	0	241	74	0	2.53	316	8.0
7/16/2024	0.005	0.006	0.005		245	0	21	245	0	0	3.37	607	5.6
7/23/2024	0.005	0.006	0.003	0.006	553	0	40	553	0	0	4.17	807	5.2
7/30/2024	0.005	G	G		516	0	44	516	0	0	2.58	516	5.0
8/6/2024	0.005	0.006	0.004	0.006	553	0	44	553	0	0	4.21	808	5.2
8/13/2024	0.005	0.006	0.003		362	0	52	362	0	0	3.81	722	5.3
8/20/2024	0.004	0.005	0.002	0.003	439	0	59	439	0	0	3.39	801	4.2
8/27/2024	0.006	0.009	0.003		488	0	66	488	0	0	5.70	841	6.8
9/3/2024	0.005	0.005	0.002	0.004	555	0	70	555	0	0	5.06	1054	4.8
9/10/2024	0.004	0.003	0.002		563	0	70	563	0	0	3.27	925	3.5
9/17/2024	0.007	0.006	0.003	0.005	560	0	66	560	0	0	7.38	1169	6.3
9/24/2024	0.005	0.004	0.002	NOB	557	0	68	557	0	0	4.61	1046	4.4
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 (%)		
Aug 2023 – Jul 2024	406.3				11.0		5.0		53.1		0.0		
Sep 2023 – Aug 2024	405.7				11.0		5.2		53.1		0.0		
Oct 2023 – Sep 2024	430.5				11.0		5.2		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.

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.