

Taylor Slough and Coastal Basins Second Quarter 2021

[S332D-S332DX1-S328]+S328+G737+S18C Total Phosphorus (TP) Compliance Tracking Data Report

| Sampling Event Date | TP Concentration (mg/L) | | | | Daily Mean Flow (cfs) | | | | | | Sampling Events | | |
|---------------------|-------------------------|-------|-------|-------|-----------------------|------|------|------------------------|---------|------|--------------------|---------------------|------------|
| | S332D (S332DX) | S18C | G737 | S328 | S332D | S18C | G737 | S332D - S332DX1 - S328 | S332DX1 | S328 | Sampled Flow (cfs) | TP Loads (cfs*mg/L) | FWMC (ppb) |
| 5/5/2020 | 0.015 | 0.008 | | | 0 | 0 | 0 | 0 | 0 | M | 0 | 0.00 | No flow |
| 5/12/2020 | 0.014 | 0.010 | | | 0 | 0 | 0 | 0 | 0 | M | 0 | 0.00 | No flow |
| 5/19/2020 | 0.012 | 0.007 | | | 0 | 50 | 0 | 0 | 0 | M | 50 | 0.35 | 7.0 |
| 5/26/2020 | 0.009 | 0.013 | 0.019 | 0.019 | 553 | 1312 | 0 | 238 | 314 | 0 | 1550 | 19.20 | 12.4 |
| 6/2/2020 | 0.006 | 0.004 | | 0.012 | 252 | 275 | 0 | 252 | 0 | 0 | 527 | 2.61 | 5.0 |
| 6/9/2020 | 0.006 | 0.005 | | 0.011 | 0 | 323 | 0 | 237 | 0 | 0 | 560 | 3.04 | 5.4 |
| 6/16/2020 | 0.005 | 0.003 | | 0.008 | 250 | 272 | 0 | 250 | 0 | 0 | 522 | 2.07 | 4.0 |
| 6/23/2020 | 0.005 | 0.004 | | 0.012 | 249 | 359 | 0 | 249 | 0 | 0 | 608 | 2.68 | 4.4 |
| 6/30/2020 | 0.005 | 0.004 | | 0.007 | 125 | 295 | 0 | 125 | 0 | 0 | 420 | 1.81 | 4.3 |
| 7/7/2020 | 0.005 | 0.006 | 0.005 | 0.008 | 150 | 224 | 66 | 150 | 0 | 0 | 440 | 2.42 | 5.5 |
| 7/14/2020 | 0.006 | | | 0.010 | 251 | 260 | 56 | 251 | 0 | 0 | 251 | 1.50 | 6.0 |
| 7/16/2020 | | 0.008 | 0.004 | | 251 | 226 | 63 | 251 | 0 | 0 | 289 | 2.06 | 7.1 |
| 7/21/2020 | 0.005 | 0.004 | 0.004 | 0.004 | 561 | 298 | 73 | 342 | 0 | 220 | 932 | 4.07 | 4.4 |
| 7/28/2020 | 0.006 | 0.004 | 0.003 | 0.003 | 560 | 316 | 62 | 372 | 0 | 188 | 939 | 4.25 | 4.5 |
| 8/4/2020 | 0.006 | 0.004 | 0.003 | 0.003 | 500 | 333 | 51 | 345 | 0 | 155 | 884 | 4.02 | 4.5 |
| 8/11/2020 | 0.006 | 0.004 | 0.003 | 0.004 | 438 | 271 | 43 | 325 | 0 | 113 | 752 | 3.61 | 4.8 |
| 8/18/2020 | 0.005 | 0.004 | 0.003 | 0.003 | 444 | 310 | 59 | 378 | 0 | 66 | 812 | 3.50 | 4.3 |
| 8/25/2020 | 0.006 | 0.003 | 0.002 | 0.003 | 444 | 251 | 47 | 339 | 0 | 105 | 742 | 3.19 | 4.3 |
| 9/1/2020 | 0.006 | 0.004 | 0.004 | 0.003 | 444 | 265 | 47 | 323 | 0 | 121 | 756 | 3.55 | 4.7 |
| 9/9/2020 | 0.006 | 0.004 | 0.004 | 0.004 | 443 | 267 | 53 | 307 | 0 | 136 | 763 | 3.67 | 4.8 |
| 9/15/2020 | 0.006 | 0.004 | 0.004 | 0.004 | 567 | 390 | 44 | 419 | 0 | 148 | 1001 | 4.84 | 4.8 |
| 9/22/2020 | 0.006 | 0.004 | 0.003 | 0.003 | 510 | 199 | 50 | 349 | 0 | 161 | 759 | 3.52 | 4.6 |
| 9/29/2020 | 0.005 | 0.004 | 0.003 | 0.003 | 568 | 363 | 46 | 396 | 0 | 171 | 977 | 4.09 | 4.2 |
| 10/6/2020 | 0.005 | 0.004 | 0.003 | 0.003 | 560 | 283 | 44 | 458 | 0 | 103 | 887 | 3.86 | 4.4 |
| 10/13/2020 | 0.007 | 0.005 | 0.004 | 0.003 | 530 | 206 | 42 | 455 | 0 | 75 | 778 | 4.61 | 5.9 |
| 10/20/2020 | 0.006 | 0.004 | 0.004 | 0.004 | 559 | 292 | 48 | 498 | 0 | 60 | 898 | 4.59 | 5.1 |
| 10/27/2020 | 0.006 | 0.006 | 0.004 | 0.003 | 566 | 794 | 38 | 547 | 0 | 19 | 1398 | 8.25 | 5.9 |
| 11/3/2020 | 0.006 | 0.004 | 0.003 | 0.003 | 498 | 281 | 40 | 452 | 0 | 46 | 819 | 4.09 | 5.0 |
| 11/10/2020 | 0.006 | 0.013 | 0.004 | 0.002 | 557 | 1380 | 32 | 480 | 0 | 77 | 1969 | 21.10 | 10.7 |
| 11/17/2020 | 0.006 | 0.006 | 0.003 | 0.002 | 567 | 1130 | 33 | 471 | 0 | 96 | 1731 | 9.90 | 5.7 |
| 11/24/2020 | 0.005 | 0.006 | 0.005 | 0.004 | 537 | 765 | 38 | 424 | 0 | 114 | 1340 | 7.35 | 5.5 |
| 12/1/2020 | 0.005 | 0.007 | 0.005 | 0.003 | 569 | 534 | 40 | 442 | 0 | 127 | 1143 | 6.53 | 5.7 |
| 12/8/2020 | 0.006 | 0.005 | 0.005 | 0.003 | 565 | 499 | 37 | 447 | 0 | 117 | 1101 | 5.72 | 5.2 |
| 12/15/2020 | 0.006 | 0.004 | 0.005 | 0.004 | 568 | 267 | 32 | 525 | 0 | 43 | 867 | 4.55 | 5.2 |
| 12/22/2020 | 0.005 | 0.004 | 0.004 | 0.006 | 547 | 224 | 31 | 547 | 0 | - | 802 | 3.76 | 4.7 |
| 12/29/2020 | 0.006 | 0.004 | 0.004 | 0.003 | 532 | 226 | 35 | 478 | 0 | 54 | 793 | 4.07 | 5.1 |
| 1/5/2021 | 0.006 | 0.004 | 0.006 | 0.004 | 441 | 313 | - | 320 | 121 | - | 633 | 3.17 | 5.0 |
| 1/12/2021 | 0.007 | 0.004 | 0.006 | 0.004 | 442 | 179 | 0 | 274 | 123 | 44 | 498 | 2.82 | 5.7 |
| 1/19/2021 | 0.006 | 0.004 | 0.006 | 0.003 | 430 | 160 | 0 | 234 | 124 | 73 | 467 | 2.26 | 4.8 |
| 1/26/2021 | 0.008 | 0.005 | 0.005 | 0.004 | 439 | 169 | - | 295 | 128 | 16 | 480 | 3.27 | 6.8 |
| 2/2/2021 | 0.004 | 0.003 | 0.003 | 0.002 | 437 | 117 | 15 | 232 | 205 | - | 363 | 1.32 | 3.6 |
| 2/9/2021 | 0.006 | 0.004 | 0.004 | 0.003 | 568 | 188 | 31 | 137 | 337 | 94 | 450 | 1.98 | 4.4 |
| 2/16/2021 | 0.006 | 0.005 | 0.005 | 0.003 | 567 | 183 | 33 | 177 | 340 | 50 | 443 | 2.29 | 5.2 |
| 2/23/2021 | 0.006 | 0.005 | 0.004 | 0.003 | 569 | 201 | 36 | 131 | 342 | 95 | 464 | 2.22 | 4.8 |
| 3/2/2021 | 0.006 | 0.005 | 0.003 | 0.005 | 560 | 181 | 36 | 118 | 342 | 100 | 435 | 2.22 | 5.1 |
| 3/9/2021 | 0.006 | 0.005 | 0.004 | 0.006 | 249 | 137 | 0 | - | 313 | 0 | 137 | 0.69 | 5.0 |
| 3/16/2021 | 0.006 | 0.004 | 0.006 | 0.008 | 251 | 161 | 0 | - | 259 | 0 | 161 | 0.64 | 4.0 |
| 3/23/2021 | 0.006 | 0.004 | | 0.008 | 93 | 49 | 0 | 24 | 69 | 0 | 73 | 0.34 | 4.7 |
| 3/30/2021 | 0.006 | 0.004 | | 0.044 | 10 | 0 | 0 | 10 | 0 | 0 | 10 | 0.06 | 6.0 |
| 4/6/2021 | 0.005 | 0.004 | J | | 249 | 0 | 0 | 249 | 0 | 0 | 249 | 1.25 | 5.0 |
| 4/13/2021 | 0.006 | 0.004 | | 0.049 | 251 | 0 | 0 | 251 | 0 | 0 | 251 | 1.50 | 6.0 |
| 4/20/2021 | 0.006 | 0.004 | | 0.070 | 0 | 171 | 0 | 250 | 0 | 0 | 421 | 2.18 | 5.2 |
| 4/27/2021 | 0.006 | 0.005 | J | | 248 | 7 | 0 | 248 | 0 | 0 | 254 | 1.52 | 6.0 |
| 5/4/2021 | 0.005 | 0.004 | J | | 251 | 0 | 0 | 251 | 0 | 0 | 251 | 1.25 | 5.0 |
| 5/11/2021 | 0.006 | 0.005 | J | | 152 | - | 0 | 152 | 0 | 0 | 152 | 0.91 | 6.0 |
| 5/18/2021 | 0.007 | 0.006 | J | | 123 | - | 0 | 123 | 0 | 0 | 123 | 0.86 | 7.0 |
| 5/25/2021 | 0.006 | 0.005 | J | | 0 | - | 0 | 0 | 0 | 0 | 0 | 0.00 | No flow |
| 6/2/2021 | 0.007 | 0.006 | J | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | No flow |
| 6/8/2021 | 0.010 | 0.006 | J | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | No flow |
| 6/15/2021 | 0.006 | 0.006 | 0.013 | J | 0 | - | 0 | 0 | 0 | 0 | 0 | 0.00 | No flow |
| 6/22/2021 | 0.005 | 0.004 | | 0.014 | 247 | 177 | 0 | 247 | 0 | 0 | 424 | 1.94 | 4.6 |
| 6/29/2021 | 0.006 | 0.004 | J | | 124 | 126 | 0 | 124 | 0 | 0 | 250 | 1.25 | 5.0 |

| Period | Total Flow ¹ | 12-Month FWMC ² | 12-Month Long-term Limit | Percent of Sampling Events Greater than 10 ppb | |
|-----------------------|-------------------------|----------------------------|--------------------------|--|----------|
| | (kac-ft) | (ppb) | (ppb) | Guideline | Observed |
| May 2020 - April 2021 | 482.9 | 5.7 | 11.0 | 53.1% | 3.9% |
| June 2020 - May 2021 | 472.6 | 5.4 | 11.0 | 53.1% | 1.9% |
| July 2020 - June 2021 | 447.3 | 5.4 | 11.0 | 53.1% | 2.0% |

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.

"-" in flow data indicates the value was negative and zeroed out. "M" indicates the daily mean flow datum was not available.

J: Sample was taken from an isolated pool and was not representative of the surrounding marsh.

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.