

# Taylor Slough and Coastal Basins Third Quarter 2022

[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) |      |
| 10/5/2021                            | 0.005                   | 0.003 | 0.003          | 0.004             | 317                        | 212  | 55   | 317                      | 0       | -                                              | 584                     | 2.39                   | 4.1              |      |
| 10/12/2021                           | 0.005                   | 0.004 | 0.003          |                   | 433                        | 266  | 59   | 433                      | 0       | -                                              | 758                     | 3.41                   | 4.5              |      |
| 10/19/2021                           | 0.005                   | 0.003 | 0.003          | 0.003             | 397                        | 139  | 55   | 397                      | 0       | -                                              | 591                     | 2.57                   | 4.3              |      |
| 10/26/2021                           | 0.005                   | 0.004 | 0.004          |                   | 435                        | 209  | 52   | 435                      | 0       | -                                              | 696                     | 3.22                   | 4.6              |      |
| 11/2/2021                            | 0.005                   | 0.004 | 0.004          | 0.004             | 366                        | 206  | 53   | 366                      | 0       | -                                              | 625                     | 2.87                   | 4.6              |      |
| 11/9/2021                            | 0.005                   | 0.003 | 0.003          |                   | 443                        | 234  | 55   | 352                      | 0       | 91                                             | 641                     | 2.63                   | 4.1              |      |
| 11/16/2021                           | 0.006                   | 0.004 | 0.004          | 0.003             | 420                        | 166  | 52   | 299                      | 0       | 121                                            | 638                     | 3.03                   | 4.7              |      |
| 11/23/2021                           | G                       | G     | G              |                   | 413                        | 272  | 51   | 312                      | 0.03    | 101                                            | 0                       | 0.00                   | No flow          |      |
| 11/30/2021                           | 0.006                   | 0.004 | Too shallow    | 0.003             | 277                        | 167  | 45   | 220                      | 0       | 57                                             | 444                     | 2.16                   | 4.9              |      |
| 12/7/2021                            | 0.006                   | 0.003 | Too shallow    |                   | 318                        | 172  | 32   | 252                      | 0       | 67                                             | 424                     | 2.03                   | 4.8              |      |
| 12/14/2021                           | 0.006                   | 0.004 | Too shallow    | 0.002             | 315                        | 82   | 24   | 229                      | 0       | 86                                             | 397                     | 1.87                   | 4.7              |      |
| 12/21/2021                           | 0.006                   | 0.006 | Too shallow    |                   | 423                        | 146  | 22   | 423                      | 0       | -                                              | 569                     | 3.42                   | 6.0              |      |
| 12/28/2021                           | 0.006                   | 0.004 | No record flow | 0.004             | 444                        | 131  | 16   | 438                      | 0       | 6                                              | 575                     | 3.18                   | 5.5              |      |
| 1/4/2022                             | 0.005                   | 0.003 | Too shallow    |                   | 318                        | 40   | 18   | 318                      | 0       | -                                              | 358                     | 1.71                   | 4.8              |      |
| 1/11/2022                            | 0.007                   | 0.005 | Too shallow    | 0.002             | 317                        | 136  | 23   | 289                      | 0       | 28                                             | 453                     | 2.76                   | 6.1              |      |
| 1/18/2022                            | 0.005                   | 0.004 | Too shallow    |                   | 320                        | 65   | 21   | 269                      | 0       | 50                                             | 334                     | 1.61                   | 4.8              |      |
| 1/25/2022                            | 0.006                   | 0.004 | Too shallow    | 0.002             | 434                        | 163  | 41   | 291                      | 143     | 1                                              | 455                     | 2.40                   | 5.3              |      |
| 2/1/2022                             | 0.005                   | 0.003 | Too shallow    |                   | 378                        | 84   | 30   | 218                      | 141     | 19                                             | 302                     | 1.34                   | 4.4              |      |
| 2/8/2022                             | 0.005                   | 0.004 | 0.003          | 0.003             | 250                        | 67   | 21   | 129                      | 0       | 121                                            | 338                     | 1.34                   | 4.0              |      |
| 2/15/2022                            | 0.007                   | 0.004 | 0.003          |                   | 0                          | 138  | 0    | 0                        | 0       | 0                                              | 138                     | 0.55                   | 4.0              |      |
| 2/22/2022                            | 0.011                   | 0.004 | 0.004          | J                 | 0                          | 94   | 19   | 0                        | 0       | 0                                              | 113                     | 0.45                   | 4.0              |      |
| 3/1/2022                             |                         | 0.004 | 0.006          |                   | 0                          | 42   | 5    | 0                        | 0       | 0                                              | 48                      | 0.20                   | 4.2              |      |
| 3/8/2022                             |                         | 0.005 |                | NOB               | 0                          | 0    | 0    | 0                        | 0       | 0                                              | 0                       | 0.00                   | No flow          |      |
| 3/15/2022                            |                         | 0.004 |                | NOB               | 0                          | 0    | 0    | 0                        | 0       | 0                                              | 0                       | 0.00                   | No flow          |      |
| 3/23/2022                            | 0.006                   | 0.005 |                | 0.012             | 249                        | 104  | 0    | 249                      | 0       | 0                                              | 354                     | 2.02                   | 5.7              |      |
| 3/29/2022                            | 0.005                   | 0.004 |                |                   | 148                        | 70   | 0    | 148                      | 0       | 0                                              | 218                     | 1.02                   | 4.7              |      |
| 4/5/2022                             | 0.006                   | 0.005 |                | NOB               | 124                        | 10   | 0    | 124                      | 0       | 0                                              | 134                     | 0.80                   | 5.9              |      |
| 4/12/2022                            | 0.007                   | 0.012 |                |                   | 0                          | 17   | 0    | 0                        | 0       | 0                                              | 17                      | 0.21                   | 12.0             |      |
| 4/19/2022                            | 0.006                   | 0.004 |                | J                 | 0                          | 36   | 0    | 0                        | 0       | 0                                              | 36                      | 0.14                   | 4.0              |      |
| 4/26/2022                            | 0.005                   | 0.005 |                |                   | 0                          | 0    | 0    | 0                        | 0       | 0                                              | 0                       | 0.00                   | No flow          |      |
| 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              |      |
| Period                               | Total Flow <sup>2</sup> |       |                |                   | 12-Month FWMC <sup>3</sup> |      |      | 12-Month Long-term Limit |         | Percent of Sampling Events Greater than 10 ppb |                         |                        |                  |      |
|                                      | (kac-ft)                |       |                |                   | (ppb)                      |      |      | (ppb)                    |         | Observed (%)                                   |                         | Guideline (%)          |                  |      |
| August 1, 2021 - July 31, 2022       |                         |       |                | 300.2             |                            |      | 5.1  |                          |         | 11.0                                           |                         | 4.2                    |                  | 53.1 |
| September 1, 2021 - August 31, 2022  |                         |       |                | 315.2             |                            |      | 5.2  |                          |         | 11.0                                           |                         | 4.2                    |                  | 53.1 |
| October 1, 2021 - September 30, 2022 |                         |       |                | 323.0             |                            |      | 5.1  |                          |         | 11.0                                           |                         | 4.2                    |                  | 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.

Too shallow: Water sample was not taken because total depth was less than 0.1 meters.

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.

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

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.

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.