

# Taylor Slough and Coastal Basins Second Quarter 2020

## Method 3: [S332D-S332DX1-S328]+S328+G737+S18C Total Phosphorus (TP) Tracking Data Report

| Sampling Event Date          | TP Concentration (mg/L) |                |       |                | Daily Mean Flow (cfs)      |      |                          |                        |  |          | Sampling Events    |                     |            |
|------------------------------|-------------------------|----------------|-------|----------------|----------------------------|------|--------------------------|------------------------|--|----------|--------------------|---------------------|------------|
|                              | S332D (S332DX)          | S18C           | G737  | S328           | S332D                      | S18C | G737 <sup>2</sup>        | S332D - S332DX1 - S328 | S332DX1  | S328     | Sampled Flow (cfs) | TP Loads (cfs*mg/L) | FWMC (ppb) |
| 5/7/2019                     | 0.008                   | 0.005          |       | J <sup>1</sup> | 185                        | 39   | 0                        | 185                    | 0  | 0        | 224.12             | 1.68                | 7.5        |
| 5/14/2019                    | 0.008                   | 0.006          |       | J <sup>1</sup> | 68                         | 0    | 0                        | 68                     | 0  | 0        | 68.00              | 0.54                | 8.0        |
| 5/21/2019                    | 0.008                   | 0.006          |       | J <sup>1</sup> | 68                         | 0    | 0                        | 68                     | 0  | 0        | 68.00              | 0.54                | 8.0        |
| 5/28/2019                    | 0.011                   | 0.007          |       | J <sup>1</sup> | 20                         | 0    | 0                        | 20                     | 0  | 0        | 20.13              | 0.22                | 11.0       |
| 6/4/2019                     | 0.010                   | 0.006          |       | 0.084          | 64                         | 76   | 0                        | 64                     | 0  | 0        | 139.83             | 1.09                | 7.8        |
| 6/11/2019                    | 0.010                   | 0.006          | 0.008 | 0.062          | 135                        | 106  | 0                        | 135                    | 0  | 0        | 240.69             | 1.98                | 8.2        |
| 6/18/2019                    | 0.007                   | 0.006          | 0.004 | 0.029          | 367                        | 329  | 0                        | 243                    | 124  | 0        | 571.94             | 3.67                | 6.4        |
| 6/25/2019                    | 0.005                   | 0.004          | 0.006 | 0.030          | 223                        | 276  | 0                        | 223                    | 0  | 0        | 499.49             | 2.22                | 4.4        |
| 7/2/2019                     | 0.005                   | 0.005          | 0.005 | 0.016          | 122                        | 221  | 0                        | 122                    | 0  | 0        | 343.00             | 1.71                | 5.0        |
| 7/9/2019                     | 0.006                   | 0.005          | 0.004 | 0.009          | 278                        | 302  | 68                       | 194                    | 35   | 50       | 613.37             | 3.39                | 5.5        |
| 7/16/2019                    | 0.005                   | 0.004          | 0.004 | 0.004          | 246                        | 244  | 58                       | 164                    | 0  | 82       | 547.34             | 2.35                | 4.3        |
| 7/23/2019                    | 0.006                   | 0.004          | 0.002 | 0.003          | 249                        | 205  | 61                       | 162                    | 0  | 86       | 515.03             | 2.18                | 4.2        |
| 7/30/2019                    | 0.006                   | 0.005          | 0.003 | 0.004          | 246                        | 282  | 63                       | 156                    | 0  | 90       | 590.95             | 2.90                | 4.9        |
| 8/6/2019                     | 0.007                   | 0.004          | 0.004 | 0.004          | 366                        | 247  | 67                       | 271                    | 0  | 94       | 680.06             | 3.53                | 5.2        |
| 8/13/2019                    | 0.006                   | 0.004          | 0.003 | 0.003          | 369                        | 345  | 56                       | 263                    | 0  | 105      | 770.03             | 3.45                | 4.5        |
| 8/20/2019                    | 0.006                   | 0.002          | 0.003 | 0.003          | 435                        | 404  | 48                       | 320                    | 0  | 115      | 886.30             | 3.21                | 3.6        |
| 8/27/2019                    | 0.007                   | 0.004          | 0.004 | 0.004          | 341                        | 266  | 40                       | 217                    | 0  | 123      | 646.75             | 3.24                | 5.0        |
| 9/4/2019                     | 0.006                   | 0.003          | 0.003 | 0.003          | 372                        | 304  | 42                       | 248                    | 0  | 124      | 717.69             | 2.90                | 4.0        |
| 9/10/2019                    | 0.006                   | 0.003          | 0.004 | 0.003          | 247                        | 179  | 43                       | 121                    | 0  | 126      | 469.20             | 1.81                | 3.9        |
| 9/17/2019                    | 0.007                   | 0.003          | 0.004 | 0.004          | 248                        | 217  | 44                       | 113                    | 0  | 135      | 509.71             | 2.16                | 4.2        |
| 9/24/2019                    | 0.006                   | 0.003          | 0.003 | 0.003          | 247                        | M    | 45                       | 103                    | 0  | 144      | 292.43             | 1.19                | 4.1        |
| 10/1/2019                    | 0.006                   | 0.002          | 0.004 | 0.005          | 245                        | M    | 33                       | 71                     | 0  | 173      | 277.25             | 1.42                | 5.1        |
| 10/8/2019                    | 0.006                   | 0.003          | 0.004 | 0.004          | 291                        | 232  | 27                       | 115                    | 0  | 175      | 549.35             | 2.20                | 4.0        |
| 10/15/2019                   | 0.005                   | 0.004          | 0.002 | 0.003          | 249                        | 235  | 41                       | 142                    | 0  | 107      | 524.46             | 2.05                | 3.9        |
| 10/22/2019                   | 0.005                   | 0.003          | 0.004 | 0.004          | 248                        | 266  | 34                       | 248                    | 0  | -        | 547.32             | 2.17                | 4.0        |
| 10/29/2019                   | 0.006                   | 0.005          | 0.003 | 0.004          | 251                        | 227  | 28                       | 251                    | 0  | -        | 506.53             | 2.73                | 5.4        |
| 11/5/2019                    | 0.006                   | 0.003          | 0.004 | 0.005          | 250                        | 177  | 11                       | 169                    | 0.024  | 81       | 437.72             | 1.99                | 4.6        |
| 11/12/2019                   | 0.005                   | 0.004          | 0.004 | 0.005          | 251                        | 168  | -                        | 134                    | 0  | 116      | 418.52             | 1.92                | 4.6        |
| 11/19/2019                   | 0.006                   | 0.003          | 0.003 | 0.005          | 251                        | 146  | 22                       | 112                    | 0  | 139      | 419.28             | 1.87                | 4.5        |
| 11/26/2019                   | 0.006                   | 0.004          | 0.004 | 0.005          | 210                        | 130  | -                        | 69                     | 0  | 140      | 339.68             | 1.64                | 4.8        |
| 12/3/2019                    | 0.005                   | 0.003          | 0.004 | 0.010          | 193                        | 89   | 0.004                    | 193                    | 0  | 0        | 281.58             | 1.23                | 4.4        |
| 12/10/2019                   | 0.005                   | 0.003          | 0.004 | 0.010          | 251                        | 73   | 0                        | 251                    | 0  | 0        | 323.98             | 1.47                | 4.6        |
| 12/17/2019                   | 0.007                   | 0.004          | 0.003 | 0.009          | 249                        | 115  | 0                        | 249                    | 0  | 0        | 363.61             | 2.20                | 6.1        |
| 12/26/2019                   | 0.005                   | 0.004          | 0.003 | 0.005          | 250                        | 188  | 30                       | 250                    | 0  | 0        | 468.40             | 2.09                | 4.5        |
| 1/2/2020                     | 0.006                   | J <sup>2</sup> | 0.004 | 0.006          | 250                        | 205  | 33                       | 250                    | 0  | 0        | 282.80             | 1.63                | 5.8        |
| 1/7/2020                     | 0.004                   | 0.005          | 0.004 | 0.005          | 251                        | 156  | 25                       | 251                    | 0  | 0        | 431.16             | 1.88                | 4.4        |
| 1/14/2020                    | 0.006                   | 0.003          | 0.004 | 0.007          | 245                        | 160  | -                        | 245                    | 0  | 0        | 404.97             | 1.95                | 4.8        |
| 1/21/2020                    | 0.007                   | 0.004          | 0.004 | 0.007          | 259                        | 72   | 4                        | 259                    | 0  | 0        | 334.23             | 2.11                | 6.3        |
| 1/28/2020                    | 0.008                   | 0.005          | 0.003 | 0.008          | 304                        | 0    | 10                       | 304                    | 0  | 0        | 313.52             | 2.46                | 7.8        |
| 2/4/2020                     | 0.007                   | 0.005          | 0.005 | 0.007          | 251                        | 130  | 10                       | 251                    | 0  | 0        | 390.79             | 2.46                | 6.3        |
| 2/11/2020                    | 0.006                   | 0.003          | 0.003 | J <sup>1</sup> | 250                        | 135  | 10                       | 250                    | 0  | 0        | 394.51             | 1.93                | 4.9        |
| 2/18/2020                    | 0.006                   | 0.003          | 0.004 | Y              | 249                        | 140  | 10                       | 249                    | 0  | 0        | 398.40             | 1.95                | 4.9        |
| 2/25/2020                    | 0.007                   | 0.002          | 0.002 | 0.007          | 240                        | 0    | 10                       | 240                    | 0  | 0        | 250.31             | 1.70                | 6.8        |
| 3/3/2020                     | 0.006                   | 0.003          | 0.003 | 0.010          | 167                        | 0    | 12                       | 167                    | 0  | 0        | 179.53             | 1.04                | 5.8        |
| 3/10/2020                    | 0.006                   | 0.005          | 0.004 | 0.014          | 121                        | 0    | -                        | 121                    | 0  | 0        | 121.05             | 0.73                | 6.0        |
| 3/17/2020                    | 0.005                   | 0.004          |       | J <sup>1</sup> | 0                          | 67   | 0                        | 0                      | 0  | 0        | 67.10              | 0.27                | 4.0        |
| 3/24/2020                    | 0.012                   | 0.004          |       | 0.046          | 0                          | 56   | 0                        | 0                      | 0  | 0        | 56.40              | 0.23                | 4.0        |
| 3/31/2020                    | 0.009                   | 0.004          |       | 0.030          | 0                          | 0    | 0                        | 0                      | 0  | 0        | 0.00               | 0.00                | No Flow    |
| 4/7/2020                     | 0.011                   | 0.005          |       |                | 0                          | 0    | 0                        | 0                      | 0  | 0        | 0.00               | 0.00                | No Flow    |
| 4/14/2020                    | 0.014                   | 0.007          |       |                | 0                          | 0    | 0                        | 0                      | -  | 0        | 0.00               | 0.00                | No Flow    |
| 4/21/2020                    | 0.013                   | 0.008          |       |                | 0                          | 12   | 0                        | 0                      | 0  | 0        | 11.70              | 0.09                | 8.0        |
| 4/28/2020                    | 0.008                   | 0.007          |       |                | 0                          | 0    | 0                        | 0                      | 0  | M        | 0.00               | 0.00                | No Flow    |
| 5/5/2020                     | 0.015                   | 0.008          |       |                | 0                          | 0    | 0                        | 0                      | 0  | M        | 0.00               | 0.00                | No Flow    |
| 5/12/2020                    | 0.014                   | 0.010          |       |                | 0                          | 0    | 0                        | 0                      | 0  | M        | 0.00               | 0.00                | No Flow    |
| 5/19/2020                    | 0.012                   | 0.007          |       |                | 0                          | 50   | 0                        | 0                      | M  | M        | 49.50              | 0.35                | 7.0        |
| 5/26/2020                    | 0.009                   | 0.013          | 0.019 | 0.019          | 553                        | 1312 | 0                        | 238                    | 314  | 0        | 1,550.04           | 19.20               | 12.4       |
| 6/2/2020                     | 0.006                   | 0.004          |       | 0.012          | 252                        | 275  | 0                        | 252                    | 0  | 0        | 526.91             | 2.61                | 5.0        |
| 6/9/2020                     | 0.006                   | 0.005          |       | 0.011          | 237                        | 323  | 0                        | 237                    | 0  | 0        | 560.17             | 3.04                | 5.4        |
| 6/16/2020                    | 0.005                   | 0.003          |       | 0.008          | 250                        | 272  | 0                        | 250                    | 0  | 0        | 522.36             | 2.07                | 4.0        |
| 6/23/2020                    | 0.005                   | 0.004          |       | 0.012          | 249                        | 359  | 0                        | 249                    | 0  | 0        | 607.92             | 2.68                | 4.4        |
| 6/30/2020                    | 0.005                   | 0.004          |       | 0.007          | 125                        | 295  | 0                        | 125                    | 0  | 0        | 420.35             | 1.81                | 4.3        |
| Period                       | Total Flow <sup>1</sup> |                |       |                | 12-Month FWMC <sup>2</sup> |      | 12-Month Long-term Limit |                        | Percent of Sampling Events Greater than 10 ppb |          |                    |                     |            |
|                              | (kac-ft)                |                |       |                | (ppb)                      |      | (ppb)                    |                        | Guideline                                      | Observed |                    |                     |            |
| May 1, 2019 - April 30, 2020 |                         |                |       | 255.9          |                            | 4.9  |                          | 11.0                   |  | 53.1%    | 2.1%               |                     |            |
| June 1, 2019 - May 31, 2020  |                         |                |       | 268.7          |                            | 5.5  |                          | 11.0                   |  | 53.1%    | 2.2%               |                     |            |
| July 1, 2019 - June 30, 2020 |                         |                |       | 282.8          |                            | 5.3  |                          | 11.0                   |  | 53.1%    | 2.1%               |                     |            |

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.

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

Notes:

Y: Analysis performed on un/improperly preserved sample.

J<sup>1</sup>: The sample was collected from a disconnected pool and was not representative of the surrounding water body. The surrounding area was dry.

J<sup>2</sup>: Precision or accuracy criteria not met.

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

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