

# Shark River Slough Third Quarter 2023

S12s + [S333 + S333N + S355A + S355B + minimum(S356,S335) - S334]

Total Phosphorus (TP) Data Report (FWY2023 daily flow data for S12s are 'Provisional')

| Sampling Event Date | TP Concentration (mg/L) |       |       |       |       |       |       |       |       | Daily Mean Flow (cfs) |      |      |      |      |       |       |       |      |      |                  |                                         | S334 Adjusted Flow (cfs) |      |       |       |       | Sampling Event TP FWMC: S12s + [S333+S333N+S355A&B+min(S356,S335)-S334] |                    |                        |                  |  |
|---------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|------|------|------|------|-------|-------|-------|------|------|------------------|-----------------------------------------|--------------------------|------|-------|-------|-------|-------------------------------------------------------------------------|--------------------|------------------------|------------------|--|
|                     | S12A                    | S12B  | S12C  | S12D  | S333  | S333N | S355A | S355B | S356  | S12A                  | S12B | S12C | S12D | S333 | S333N | S355A | S355B | S356 | S335 | min (S356, S335) | S333 + S333N + S355A&B + min(S356,S335) | S334                     | S333 | S333N | S355A | S355B | min(S356, S335)                                                         | Sampled Flow (cfs) | Flow (cfs) * TP (mg/L) | Event FWMC (ppb) |  |
| 8/1/2022            | 0.008                   | 0.008 | 0.009 | 0.010 | 0.010 | 0.009 |       |       | 0.005 | 83                    | 90   | 307  | 476  | 526  | 564   |       |       | 508  | 0    | 0                | 1090                                    | 0                        | 526  | 564   | 0     | 0     | 0                                                                       | 19.24              | 2045.49                | 9.4              |  |
| 8/8/2022            | 0.011                   | 0.007 | 0.009 | 0.009 | 0.009 | 0.008 |       |       | 0.005 | 75                    | 77   | 281  | 410  | 530  | 581   |       |       | 453  | 0    | 0                | 1111                                    | 0                        | 530  | 581   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 8/15/2022           | 0.013                   |       | 0.010 | 0.011 | 0.010 | 0.012 | 0.015 | 0.017 | 0.005 | 0                     | 0    | 284  | 393  | 513  | 566   |       |       | 432  | 0    | 0                | 1080                                    | 0                        | 513  | 566   | 0     | 0     | 0                                                                       | 19.09              | 1756.67                | 10.9             |  |
| 8/22/2022           | 0.016                   |       | 0.008 | 0.010 | 0.011 | 0.009 |       |       | 0.005 | 0                     | 0    | 229  | 342  | 542  | 607   |       |       | 416  | 0    | 0                | 1149                                    | 0                        | 542  | 607   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 8/29/2022           | 0.014                   |       |       | 0.009 | 0.008 | 0.008 |       |       | 0.005 | 0                     | 0    | 0    | 416  | 465  | 512   |       |       | 400  | 0    | 0                | 977                                     | 0                        | 465  | 512   | 0     | 0     | 0                                                                       | 11.56              | 1393.02                | 8.3              |  |
| 9/6/2022            | 0.014                   |       |       | 0.010 | 0.010 | 0.009 |       |       | 0.005 | 0                     | 0    | 0    | 412  | 516  | 523   |       |       | 512  | 0    | 0                | 1039                                    | 0                        | 516  | 523   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 9/12/2022           | 0.009                   | 0.008 |       | 0.011 | 0.010 | 0.011 |       |       | 0.005 | 52                    | 82   | 0    | 162  | 445  | 497   |       |       | 532  | 0    | 0                | 942                                     | 0                        | 445  | 497   | 0     | 0     | 0                                                                       | 12.82              | 1237.70                | 10.4             |  |
| 9/19/2022           | 0.006                   | 0.007 |       | 0.010 | 0.009 | 0.009 |       |       | 0.006 | 99                    | 133  | 0    | 193  | 374  | 375   |       |       | 522  | 0    | 0                | 749                                     | 0                        | 374  | 375   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 9/26/2022           | 0.013                   | 0.009 | 0.008 | 0.013 | 0.009 | 0.011 | 0.007 | 0.010 | 0.005 | 137                   | 147  | 357  | 462  | 391  | 382   |       |       | 532  | 26   | 26               | 798                                     | 0                        | 391  | 382   | 0     | 0     | 26                                                                      | 19.81              | 1901.49                | 10.4             |  |
| 10/3/2022           | 0.008                   | 0.004 | 0.007 | 0.013 | 0.010 | 0.012 |       |       | 0.005 | 274                   | 243  | 678  | 879  | 249  | 235   |       |       | 533  | 1    | 1                | 484                                     | 0                        | 249  | 235   | 0     | 0     | 1                                                                       |                    |                        |                  |  |
| 10/10/2022          | 0.006                   | 0.005 | 0.006 | 0.009 | 0.011 | 0.010 |       |       | 0.005 | 331                   | 287  | 728  | 953  | 285  | 288   |       |       | 523  | 1    | 1                | 574                                     | 0                        | 285  | 288   | 0     | 0     | 1                                                                       | 22.39              | 2873.17                | 7.8              |  |
| 10/17/2022          | 0.006                   | 0.005 | 0.006 | 0.009 | 0.008 | 0.007 |       |       | 0.005 | 390                   | 330  | 780  | 1010 | 322  | 319   |       |       | 526  | 0    | 0                | 641                                     | 0                        | 322  | 319   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 10/24/2022          | 0.006                   | 0.004 | 0.005 | 0.007 | 0.007 | 0.008 | 0.005 | 0.006 | 0.006 | 430                   | 216  | 801  | 1010 | 357  | 364   |       |       | 521  | 54   | 54               | 775                                     | 0                        | 357  | 364   | 0     | 0     | 54                                                                      | 20.25              | 3232.04                | 6.3              |  |
| 10/31/2022          | 0.006                   | 0.005 | 0.007 | 0.007 | 0.009 | 0.007 |       |       | 0.005 | 408                   | 205  | 760  | 927  | 450  | 435   |       |       | 522  | 52   | 52               | 936                                     | 0                        | 450  | 435   | 0     | 0     | 52                                                                      |                    |                        |                  |  |
| 11/7/2022           | 0.014                   |       | 0.008 | 0.009 | 0.009 | 0.009 |       |       | 0.006 | 0                     | 0    | 808  | 945  | 419  | 375   |       |       | 479  | 52   | 52               | 846                                     | 0                        | 419  | 375   | 0     | 0     | 52                                                                      | 22.43              | 2599.25                | 8.6              |  |
| 11/14/2022          | 0.013                   |       | 0.007 | 0.010 | 0.008 | 0.008 |       |       | 0.006 | 0                     | 0    | 797  | 914  | 323  | 313   |       |       | 513  | 53   | 53               | 688                                     | 0                        | 323  | 313   | 0     | 0     | 53                                                                      |                    |                        |                  |  |
| 11/21/2022          | 0.010                   |       | 0.005 | 0.007 | 0.007 | 0.007 | 0.004 | 0.006 | 0.005 | 0                     | 0    | 856  | 989  | 46   | 47    |       |       | 512  | 1    | 1                | 95                                      | 0                        | 46   | 47    | 0     | 0     | 1                                                                       | 11.86              | 1939.51                | 6.1              |  |
| 11/28/2022          | 0.010                   |       | 0.006 | 0.008 | 0.007 | 0.007 |       |       | 0.005 | 0                     | 0    | 811  | 893  | 316  | 305   |       |       | 521  | 17   | 17               | 638                                     | 0                        | 316  | 305   | 0     | 0     | 17                                                                      |                    |                        |                  |  |
| 12/5/2022           | 0.010                   |       | 0.004 | 0.009 | 0.007 | 0.007 |       |       | 0.006 | 0                     | 0    | 728  | 823  | 371  | 373   |       |       | 520  | 0    | 0                | 744                                     | 0                        | 371  | 373   | 0     | 0     | 0                                                                       | 15.53              | 2295.36                | 6.8              |  |
| 12/12/2022          | 0.009                   |       | 0.005 | 0.008 | 0.008 | 0.007 |       |       | 0.006 | 0                     | 0    | 640  | 740  | 404  | 408   |       |       | 522  | 0    | 0                | 812                                     | 0                        | 404  | 408   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 12/19/2022          | 0.010                   |       | 0.004 | 0.010 | 0.008 | 0.007 | 0.004 | 0.006 | 0.006 | 0                     | 0    | 634  | 789  | 0    | 0     |       |       | 526  | 0    | 0                | 0                                       | 0                        | 0    | 0     | 0     | 0     | 0                                                                       | 10.43              | 1423.00                | 7.3              |  |
| 12/27/2022          | 0.008                   |       | 0.004 | 0.006 | 0.006 | 0.007 |       |       | 0.006 | 0                     | 0    | 627  | 799  | 161  | 156   |       |       | 466  | 0    | 0                | 317                                     | 0                        | 161  | 156   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 1/3/2023            | 0.017                   |       | 0.008 | 0.008 | 0.008 | 0.009 |       |       | 0.006 | 0                     | 0    | 331  | 764  | 207  | 198   |       |       | 522  | 0    | 0                | 405                                     | 0                        | 207  | 198   | 0     | 0     | 0                                                                       | 12.20              | 1499.92                | 8.1              |  |
| 1/9/2023            | 0.010                   |       | 0.005 | 0.008 | 0.006 | 0.007 |       |       | 0.005 | 0                     | 0    | 317  | 703  | 313  | 304   |       |       | 525  | 0    | 0                | 617                                     | 0                        | 313  | 304   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 1/17/2023           | 0.011                   |       | 0.007 | 0.006 | 0.007 | 0.007 |       |       | 0.005 | 0                     | 0    | 293  | 645  | 264  | 258   |       |       | 478  | 45   | 45               | 567                                     | 0                        | 264  | 258   | 0     | 0     | 45                                                                      | 9.80               | 1505.03                | 6.5              |  |
| 1/23/2023           | 0.011                   |       | 0.006 | 0.007 | 0.007 | 0.007 |       |       | 0.006 | 0                     | 0    | 273  | 573  | 313  | 307   |       |       | 371  | 0    | 0                | 620                                     | 0                        | 313  | 307   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 1/30/2023           | 0.010                   |       |       | 0.008 | 0.008 | 0.007 | 0.004 | 0.008 | 0.007 | 0                     | 0    | 0    | 519  | 372  | 377   |       |       | 260  | 0    | 0                | 749                                     | 0                        | 372  | 377   | 0     | 0     | 0                                                                       | 9.77               | 1268.04                | 7.7              |  |
| 2/6/2023            | 0.013                   |       |       | 0.008 | 0.008 | 0.009 |       |       | 0.005 | 0                     | 0    | 0    | 497  | 397  | 407   |       |       | 171  | 0    | 0                | 804                                     | 0                        | 397  | 407   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 2/13/2023           | 0.012                   |       |       | 0.008 | 0.009 | 0.009 |       |       | 0.007 | 0                     | 0    | 0    | 341  | 404  | 416   |       |       | 388  | 0    | 0                | 820                                     | 0                        | 404  | 416   | 0     | 0     | 0                                                                       | 10.11              | 1161.26                | 8.7              |  |
| 2/20/2023           | 0.013                   |       |       | 0.009 | 0.008 | 0.010 |       |       | 0.007 | 0                     | 0    | 0    | 320  | 408  | 425   |       |       | 266  | 0    | 0                | 833                                     | 0                        | 408  | 425   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 2/27/2023           | 0.017                   |       |       | 0.009 | 0.012 | 0.011 | 0.007 | 0.012 | 0.006 | 0                     | 0    | 0    | 281  | 362  | 379   |       |       | 261  | 0    | 0                | 741                                     | 0                        | 362  | 379   | 0     | 0     | 0                                                                       | 11.04              | 1022.11                | 10.8             |  |
| 3/6/2023            | 0.021                   |       | 0.010 | 0.015 | 0.013 | 0.011 |       |       | 0.006 | 0                     | 0    | 124  | 172  | 336  | 359   |       |       | 242  | 0    | 0                | 695                                     | 0                        | 336  | 359   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 3/13/2023           | 0.023                   |       | 0.016 | 0.015 | 0.016 | 0.014 |       |       | 0.005 | 0                     | 0    | 61   | 131  | 292  | 322   |       |       | 128  | 0    | 0                | 614                                     | 0                        | 292  | 322   | 0     | 0     | 0                                                                       | 12.12              | 805.88                 | 15.0             |  |
| 3/20/2023           | 0.025                   | 0.015 | 0.016 | 0.012 | 0.015 | 0.016 |       |       | 0.007 | 0                     | 0    | 22   | 104  | 0    | 703   |       |       | 133  | 0    | 0                | 703                                     | 0                        | 0    | 703   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 3/27/2023           | 0.030                   | 0.024 | 0.021 | 0.015 | 0.017 | 0.019 | 0.008 | 0.015 | 0.011 | 0                     | 0    | 2    | 61   | 81   | 516   |       |       | 0    | 0    | 0                | 597                                     | 0                        | 81   | 516   | 0     | 0     | 0                                                                       | 12.13              | 659.50                 | 18.4             |  |
| 4/3/2023            | G                       | G     | G     | G     | G     | G     |       |       | G     | 0                     | 0    | 1    | 62   | 71   | 484   |       |       | 0    | 0    | 0                | 555                                     | 0                        | 71   | 484   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 4/10/2023           | 0.031                   | 0.026 | 0.022 | 0.022 | 0.026 | 0.028 | 0.015 | 0.027 | 0.010 | 0                     | 0    | 4    | 73   | 121  | 559   |       |       | 0    | 0    | 0                | 681                                     | 0                        | 121  | 559   | 0     | 0     | 0                                                                       | 20.50              | 757.35                 | 27.1             |  |
| 4/17/2023           | 0.029                   | 0.024 | 0.019 | 0.023 | 0.025 | 0.027 |       |       | 0.006 | 0                     | 0    | 55   | 200  | 132  | 258   |       |       | 341  | 0    | 0                | 389                                     | 0                        | 132  | 258   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 4/24/2023           | 0.022                   | 0.018 | 0.016 | 0.018 | 0.020 | 0.018 |       |       | 0.006 | 0                     | 0    | 70   | 200  | 138  | 524   |       |       | 262  | 0    | 0                | 662                                     | 0                        | 138  | 524   | 0     | 0     | 0                                                                       | 16.93              | 932.86                 | 18.1             |  |
| 5/1/2023            | 0.038                   | 0.017 | 0.018 | 0.015 | 0.020 | 0.018 |       |       | 0.006 | 0                     | 0    | 76   | 201  | 107  | 525   |       |       | 157  | 0    | 0                | 632                                     | 0                        | 107  | 525   | 0     | 0     | 0                                                                       |                    |                        |                  |  |
| 5/8/2023            | 0.022                   | 0.016 | 0.015 | 0.016 | 0.017 | 0.018 |       |       |       |                       |      |      |      |      |       |       |       |      |      |                  |                                         |                          |      |       |       |       |                                                                         |                    |                        |                  |  |