

# Shark River Slough Fourth Quarter 2017

Alternative Method 1: S12s + [(S333 + S355A + S355B) - S334]

Total Phosphorus (TP) Tracking Provisional Data Report

| Sampling Event Date | TP Concentration (mg/L) |       |       |       |       |       |       | Daily Mean Flow (cfs) |       |       |       |       |       |       |                |       | S334 Adjusted Flow (cfs) |       |       | Event FWMC |            |       |
|---------------------|-------------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|----------------|-------|--------------------------|-------|-------|------------|------------|-------|
|                     | S12A                    | S12B  | S12C  | S12D  | S333  | S355A | S355B | S12A                  | S12B  | S12C  | S12D  | S333  | S355A | S355B | S333 + S355A&B | S334  | S333                     | S355A | S355B | Loads      | Total Flow | (ppb) |
| 11/7/2016           | 0.010                   | 0.007 | 0.006 | 0.008 | 0.007 |       |       | 0                     | 289   | 504   | 792   | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 11/14/2016          | 0.009                   | 0.006 | 0.006 | 0.007 | 0.007 | 0.005 | 0.006 | 0                     | 267   | 464   | 728   | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     | 9.48       | 1,459      | 6.5   |
| 11/21/2016          | 0.008                   | 0.005 | 0.002 | 0.007 | 0.006 |       |       | 0                     | 236   | 424   | 661   | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 11/28/2016          | 0.008                   |       | 0.006 | 0.007 | 0.007 |       |       | 0                     | 0     | 297   | 620   | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     | 6.12       | 917        | 6.7   |
| 12/5/2016           | 0.008                   |       |       |       | 0.007 |       |       | 0                     | 0     | 0     | 0     | 219   | 0     | 0     | 219            | 0     | 219                      | 0     | 0     |            |            |       |
| 12/12/2016          | 0.013                   |       |       |       | 0.009 | 0.008 | 0.008 | 0                     | 0     | 0     | 0     | 140   | 0     | 0     | 140            | 0     | 140                      | 0     | 0     | 1.26       | 140        | 9.0   |
| 12/19/2016          | 0.014                   |       |       |       | 0.011 |       |       | 0                     | 0     | 0     | 0     | 110   | 0     | 0     | 110            | 0     | 110                      | 0     | 0     |            |            |       |
| 12/27/2016          | 0.009                   |       |       |       | 0.010 |       |       | 0                     | 0     | 0     | 0     | 85    | 0     | 0     | 85             | 0     | 85                       | 0     | 0     | 0.85       | 85         | 10.0  |
| 1/3/2017            | 0.007                   |       |       |       | 0.006 |       |       | 0                     | 0     | 0     | 0     | 84    | 0     | 0     | 84             | 0     | 84                       | 0     | 0     |            |            |       |
| 1/9/2017            | 0.006                   |       |       |       | 0.010 | 0.007 | 0.005 | 0                     | 0     | 0     | 0     | 91    | 0     | 0     | 91             | 0     | 91                       | 0     | 0     | 0.91       | 91         | 10.0  |
| 1/17/2017           | 0.007                   |       |       | 0.005 | 0.007 |       |       | 0                     | 0     | 0     | 0     | 43    | 0     | 0     | 43             | 0     | 43                       | 0     | 0     |            |            |       |
| 1/23/2017           | 0.012                   |       |       | 0.007 | 0.006 |       |       | 0                     | 0     | 0     | 0     | 28    | 0     | 0     | 28             | 0     | 28                       | 0     | 0     | 0.17       | 28         | 6.0   |
| 1/30/2017           | 0.010                   |       |       | 0.009 | 0.009 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 2/1/2017            |                         |       |       |       | 0.008 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 2/6/2017            | 0.010                   |       |       |       | 0.008 | 0.008 | 0.006 | 0                     | 0     | 0     | 0     | 99    | 0     | 0     | 99             | 0     | 99                       | 0     | 0     | 0.79       | 99         | 8.0   |
| 2/13/2017           | 0.018                   |       |       | 0.006 | 0.007 |       |       | 0                     | 0     | 0     | 0     | 99    | 0     | 0     | 99             | 0     | 99                       | 0     | 0     |            |            |       |
| 2/20/2017           | 0.014                   |       |       |       | 0.008 |       |       | 0                     | 0     | 0     | 0     | 97    | 0     | 0     | 97             | 0     | 97                       | 0     | 0     | 0.77       | 97         | 8.0   |
| 2/28/2017           | 0.011                   |       |       |       | 0.007 |       |       | 0                     | 0     | 0     | 0     | 95    | 0     | 0     | 95             | 0     | 95                       | 0     | 0     |            |            |       |
| 3/6/2017            | 0.013                   |       |       |       | 0.008 |       |       | 0                     | 0     | 0     | 0     | 97    | 0     | 0     | 97             | 0     | 97                       | 0     | 0     | 0.77       | 97         | 8.0   |
| 3/13/2017           | 0.018                   |       |       |       | 0.008 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 3/20/2017           | 0.018                   |       |       |       | 0.009 | 0.026 | 0.034 | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     | 0.00       | 0          |       |
| 3/27/2017           | 0.017                   |       |       |       | 0.008 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 4/3/2017            | 0.023                   |       |       |       | 0.009 | 0.037 | 0.071 | 0                     | 0     | 0     | 0     | 52    | 0     | 0     | 52             | 41    | 10                       | 0     | 0     | 0.09       | 10         | 9.0   |
| 4/10/2017           | 0.022                   |       |       |       | 0.010 |       |       | 0                     | 0     | 0     | 0     | 102   | 0     | 0     | 102            | 91    | 11                       | 0     | 0     |            |            |       |
| 4/17/2017           | 0.030                   |       |       |       | 0.014 | 0.069 | 0.098 | 0                     | 0     | 0     | 0     | 75    | 0     | 0     | 75             | 71    | 5                        | 0     | 0     | 0.07       | 5          | 14.0  |
| 4/24/2017           | 0.034                   |       |       |       | 0.017 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 5/1/2017            | 0.029                   |       |       |       | 0.016 | 0.054 | 0.089 | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     | 0.00       | 0          |       |
| 5/8/2017            | 0.027                   |       |       |       | 0.014 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 5/15/2017           | 0.029                   |       |       |       | 0.016 |       |       | 0                     | 0     | 0     | 0     | 55    | 0     | 0     | 55             | 52    | 3                        | 0     | 0     | 0.06       | 3          | 16.0  |
| 5/22/2017           | 0.035                   |       |       |       | 0.018 |       |       | 0                     | 0     | 0     | 0     | 56    | 0     | 0     | 56             | 50    | 7                        | 0     | 0     |            |            |       |
| 5/30/2017           | 0.033                   |       |       |       | 0.027 |       |       | 0                     | 0     | 0     | 0     | 32    | 0     | 0     | 32             | 29    | 3                        | 0     | 0     | 0.08       | 3          | 27.0  |
| 6/5/2017            | 0.036                   |       |       |       | 0.024 |       |       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0     | 0                        | 0     | 0     |            |            |       |
| 6/12/2017           | 0.032                   |       |       | 0.011 | 0.024 | 0.087 | 0.033 | 0.034                 | 0     | 0     | 424   | 560   | 926   | 0     | 0              | 926   | 0                        | 926   | 0     | 98.67      | 1,910      | 51.7  |
| 6/19/2017           | 0.020                   |       |       | 0.010 | 0.011 | 0.013 |       | 0                     | 0     | 616   | 789   | 959   | 0     | 0     | 959            | 312   | 647                      | 0     | 0     |            |            |       |
| 6/26/2017           | 0.014                   |       |       | 0.010 | 0.009 | 0.017 |       | 0                     | 0     | 741   | 890   | 1392  | 0     | 0     | 1,392          | 956   | 436                      | 0     | 0     | 22.83      | 2,067      | 11.0  |
| 7/5/2017            | 0.006                   | 0.005 | 0.004 | 0.008 | 0.006 |       |       | 381                   | 388   | 761   | 904   | 1341  | 0     | 0     | 1,341          | 912   | 430                      | 0     | 0     |            |            |       |
| 7/10/2017           | 0.008                   | 0.006 | 0.006 | 0.007 | 0.008 | 0.018 | 0.010 | 358                   | 366   | 766   | 931   | 1284  | 0     | 0     | 1,284          | 914   | 370                      | 0     | 0     | 19.14      | 2,791      | 6.9   |
| 7/17/2017           | 0.007                   | 0.005 | 0.005 | 0.007 | 0.014 |       |       | 476                   | 456   | 917   | 1160  | 612   | 0     | 0     | 612            | 467   | 145                      | 0     | 0     |            |            |       |
| 7/24/2017           | 0.008                   | 0.005 | 0.005 | 0.008 | 0.008 |       | 0.006 | 529                   | 499   | 969   | 1230  | 244   | 0     | 0     | 244            | 249   | 0                        | 0     | 21.41 | 3,227      | 6.6        |       |
| 8/1/2017            | 0.007                   | 0.006 | 0.006 | 0.008 | 0.008 |       |       | 546                   | 514   | 964   | 1250  | 224   | 0     | 0     | 224            | 229   | 0                        | 0     |       |            |            |       |
| 8/7/2017            | 0.007                   | 0.005 | 0.007 | 0.008 | 0.007 | 0.008 | 0.006 | 479                   | 464   | 861   | 1160  | 229   | 0     | 0     | 229            | 226   | 4                        | 0     | 21.00 | 2,968      | 7.1        |       |
| 8/14/2017           | 0.006                   | 0.005 | 0.006 | 0.007 | 0.007 |       |       | 429                   | 425   | 797   | 1040  | 651   | 0     | 0     | 651            | 657   | 0                        | 0     |       |            |            |       |
| 8/21/2017           | 0.005                   | 0.006 | 0.006 | 0.006 | 0.007 |       | 0.005 | 357                   | 359   | 702   | 857   | 1042  | 0     | 0     | 1,042          | 1,043 | 0                        | 0     | 13.29 | 2,275      | 5.8        |       |
| 8/28/2017           | 0.005                   | 0.005 | 0.006 | 0.008 | 0.007 |       |       | 417                   | 415   | 823   | 1040  | 119   | 0     | 0     | 119            | 126   | 0                        | 0     |       |            |            |       |
| 9/5/2017            | 0.006                   | 0.006 | 0.005 | 0.008 | 0.008 |       | 0.006 | 350                   | 355   | 704   | 790   | 679   | 0     | 0     | 679            | 689   | 0                        | 0     | 14.07 | 2,199      | 6.4        |       |
| 9/13/2017           | 0.011                   | 0.007 | 0.006 | 0.010 |       |       |       | 783                   | 672   | 1190  | 1370  | 0     | 0     | 0     | 0              | 0     | 0                        | 0     |       |            |            |       |
| 9/14/2017           |                         |       |       |       | 0.011 |       |       | 817                   | 710   | 1240  | 1420  | 0     | 0     | 0     | 0              | 0     | 0                        | 0     |       |            |            |       |
| 9/18/2017           | 0.009                   | 0.007 | 0.006 | 0.006 | 0.010 | 0.008 | 0.008 | 838                   | 751   | 1,290 | 1,460 | 927   | 0     | 0     | 927            | 0     | 927                      | 0     | 38.57 | 5,266      | 7.3        |       |
| 9/25/2017           | 0.008                   | 0.006 | 0.006 | 0.005 | 0.007 |       |       | 868                   | 769   | 1,320 | 1,530 | 1,221 | 0     | 0     | 1,221          | 466   | 754                      | 0     | 0     |            |            |       |
| 10/2/2017           | 0.006                   | 0.006 | 0.005 | 0.008 | 0.009 | 0.007 | 0.006 | 1,171                 | 1,068 | 1,080 | 1,469 | 409   | 0     | 0     | 409            | 237   | 171                      | 0     | 0     | 32.13      | 4,959      | 6.5   |
| 10/9/2017           | 0.008                   | 0.006 | 0.006 | 0.007 | 0.007 |       |       | 1,398                 | 1,290 | 1,070 | 1,548 | 99    | 0     | 0     | 99             | 106   | 0                        | 0     |       |            |            |       |
| 10/16/2017          | 0.008                   | 0.005 | 0.004 | 0.006 | 0.007 | 0.006 | 0.012 | 1,378                 | 1,272 | 982   | 1,628 | 377   | 0     | 0     | 377            | 377   | 1                        | 0     | 31.09 | 5,261      | 5.9        |       |
| 10/23/2017          | 0.008                   | 0.007 | 0.005 | 0.008 | 0.007 |       |       | 1,281                 | 1,185 | 1,154 | 1,554 | 440   | 0     | 0     | 440            | 436   | 4                        | 0     | 0     |            |            |       |
| 10/30/2017          | 0.007                   | 0.006 | 0.005 | 0.007 | 0.007 |       |       | 1,347                 | 1,259 | 1,117 | 1,694 | 117   | 0     | 0     | 117            | 112   | 5                        | 0     | 34.46 | 5,422      | 6.4        |       |
| 11/6/2017           | 0.007                   | 0.006 | 0.006 | 0.008 | 0.007 |       |       | 1,195                 | 1,117 | 1,052 | 1,540 | 631   | 0     | 0     | 631            | 628   | 3                        | 0     | 0     |            |            |       |
| 11/13/2017          | 0.005                   | 0.004 | 0.004 | 0.006 | 0.007 | 0.006 | 0.011 | 1,014                 | 956   | 957   | 1,335 | 858   | 0     | 0     | 858            | 867   | 0                        | 0     | 20.73 | 4,262      | 4.9        |       |
| 11/20/2017          | 0.005                   | 0.004 | 0.004 | 0.006 | 0.005 |       |       | 845                   | 794   | 1,152 | 1,179 | 860   | 0     | 0     | 860            | 868   | 0                        | 0     |       |            |            |       |
| 11/27/2017          | 0.005                   | 0.004 | 0.003 | 0.006 | 0.006 |       |       | 695                   | 629   | 822   | 1,132 | 1,416 | 0     | 0     | 1,416          | 926   | 491                      | 0     | 0     | 18.19      | 3,769      | 4.8   |
| 12/4/2017           | 0.005                   | 0.006 | 0.004 | 0.006 | 0.005 |       |       | 559                   | 511   | 909   | 1,014 | 1,716 | 0     | 0     | 1,716          | 1,016 | 700                      | 0     | 0     |            |            |       |
| 12/11/2017          | 0.004                   | 0.005 | 0.004 | 0.006 | 0.006 | 0.004 | 0.006 | 458                   | 441   | 768   | 855   | 1,495 | 0     | 0     | 1,495          | 632   | 862                      | 0     | 0     | 17.41      | 3,384      | 5.1   |
| 12/18/2017          | 0.004                   | 0.005 | 0.003 | 0.006 | 0.007 |       |       | 374                   | 369   | 901   | 1,047 | 1,497 | 0     | 0     | 1,497          | 733   | 763                      | 0     | 0     |            |            |       |
| 12/26/2017          | 0.005                   | 0.004 | 0.005 | 0.006 | 0.007 |       |       | 301                   | 306   | 821   | 955   | 1,490 | 0     | 0     | 1,490          | 740   | 750                      | 0     | 0     | 17.81      | 3,133      | 5.7   |

Blue shaded and bolded dates are the bi-weekly 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.

S355B flows represent weir and temporary pumps.

Notes:

1. Total of all flow at S12s + S333 + S355A + S355B.

2. The bi-weekly sampling events and flow data are used to calculate FWMC.

# Shark River Slough Fourth Quarter 2017

Alternative Method 2: S12s + [(S333 + S355A + S355B + S356) - S334]

Total Phosphorus (TP) Tracking Provisional Data Report

| Sampling Event Date | TP Concentration (mg/L) |       |       |       |       |       |       |       | Daily Mean Flow (cfs) |      |      |       |      |       |       |      |                       |      | S334 Adjusted Flow (cfs) |       |       |      | FWMC: S12s + [(S333+S355A&B)-S334] |            |      |
|---------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-----------------------|------|------|-------|------|-------|-------|------|-----------------------|------|--------------------------|-------|-------|------|------------------------------------|------------|------|
|                     | S12A                    | S12B  | S12C  | S12D  | S333  | S355A | S355B | S356  | S12A                  | S12B | S12C | S12D  | S333 | S355A | S355B | S356 | S333 + S355A&B + S356 | S334 | S333                     | S355A | S355B | S356 | Loads                              | Total Flow | FWMC |
| 11/7/2016           | 0.010                   | 0.007 | 0.006 | 0.008 | 0.007 |       | 0.014 | 0     | 289                   | 504  | 792  | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 11/14/2016          | 0.009                   | 0.006 | 0.006 | 0.007 | 0.007 | 0.005 | 0.006 | 0.009 | 0                     | 267  | 464  | 728   | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    | 9.48                               | 1,459      | 6.5  |
| 11/21/2016          | 0.008                   | 0.005 | 0.002 | 0.007 | 0.006 |       |       | 0.008 | 0                     | 236  | 424  | 661   | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 11/28/2016          | 0.008                   |       | 0.006 | 0.007 | 0.007 |       |       | 0.007 | 0                     | 0    | 297  | 620   | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    | 6.12                               | 917        | 6.7  |
| 12/5/2016           | 0.008                   |       |       |       | 0.007 |       |       | 0.009 | 0                     | 0    | 0    | 0     | 219  | 0     | 0     | 5    | 225                   | 0    | 219                      | 0     | 0     | 0    | 5                                  |            |      |
| 12/12/2016          | 0.013                   |       |       |       | 0.009 | 0.008 | 0.008 | 0.008 | 0                     | 0    | 0    | 0     | 140  | 0     | 0     | 0    | 140                   | 0    | 140                      | 0     | 0     | 0    | 1.26                               | 140        | 9.0  |
| 12/19/2016          | 0.014                   |       |       |       | 0.011 |       |       | 0.007 | 0                     | 0    | 0    | 0     | 110  | 0     | 0     | 0    | 110                   | 0    | 110                      | 0     | 0     | 0    |                                    |            |      |
| 12/27/2016          | 0.009                   |       |       |       | 0.010 |       |       | 0.008 | 0                     | 0    | 0    | 0     | 85   | 0     | 0     | 4    | 89                    | 0    | 85                       | 0     | 0     | 4    | 0.88                               | 89         | 9.9  |
| 1/3/2017            | 0.007                   |       |       |       | 0.006 |       |       | 0.006 | 0                     | 0    | 0    | 0     | 84   | 0     | 0     | 5    | 89                    | 0    | 84                       | 0     | 0     | 5    |                                    |            |      |
| 1/9/2017            | 0.006                   |       |       |       | 0.010 | 0.007 | 0.005 | 0.006 | 0                     | 0    | 0    | 0     | 91   | 0     | 0     | 0    | 91                    | 0    | 91                       | 0     | 0     | 0    | 0.91                               | 91         | 10.0 |
| 1/17/2017           | 0.007                   |       |       | 0.005 | 0.007 |       |       | 0.006 | 0                     | 0    | 0    | 0     | 43   | 0     | 0     | 3    | 46                    | 0    | 43                       | 0     | 0     | 3    |                                    |            |      |
| 1/23/2017           | 0.012                   |       |       |       | 0.007 | 0.006 |       | 0.008 | 0                     | 0    | 0    | 0     | 28   | 0     | 0     | 0    | 28                    | 0    | 28                       | 0     | 0     | 0    | 0.17                               | 28         | 6.0  |
| 1/30/2017           | 0.010                   |       |       | 0.009 | 0.009 |       |       | 0.008 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 2/1/2017            |                         |       |       |       | 0.008 |       |       |       | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 2/6/2017            | 0.010                   |       |       |       | 0.008 | 0.008 | 0.006 | 0.009 | 0                     | 0    | 0    | 0     | 99   | 0     | 0     | 0    | 99                    | 0    | 99                       | 0     | 0     | 0    | 0.79                               | 99         | 8.0  |
| 2/13/2017           | 0.018                   |       |       | 0.006 | 0.007 |       |       | 0.010 | 0                     | 0    | 0    | 0     | 99   | 0     | 0     | 0    | 99                    | 0    | 99                       | 0     | 0     | 0    |                                    |            |      |
| 2/20/2017           | 0.014                   |       |       |       | 0.008 |       |       | 0.009 | 0                     | 0    | 0    | 0     | 97   | 0     | 0     | 0    | 97                    | 0    | 97                       | 0     | 0     | 0    | 0.77                               | 97         | 8.0  |
| 2/28/2017           | 0.011                   |       |       |       | 0.007 |       |       | 0.008 | 0                     | 0    | 0    | 0     | 95   | 0     | 0     | 4    | 99                    | 0    | 95                       | 0     | 0     | 4    |                                    |            |      |
| 3/6/2017            | 0.013                   |       |       |       | 0.008 |       |       | 0.011 | 0                     | 0    | 0    | 0     | 97   | 0     | 0     | 4    | 101                   | 0    | 97                       | 0     | 0     | 4    | 0.82                               | 101        | 8.1  |
| 3/13/2017           | 0.018                   |       |       |       | 0.008 |       |       | 0.010 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 3/20/2017           | 0.018                   |       |       |       | 0.009 | 0.026 | 0.034 | 0.008 | 0                     | 0    | 0    | 0     | 0    | 0     | 5     | 5    | 0                     | 0    | 0                        | 0     | 5     | 0.04 | 5                                  | 8.0        |      |
| 3/27/2017           | 0.017                   |       |       |       | 0.008 |       |       | 0.010 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 4/3/2017            | 0.023                   |       |       |       | 0.009 | 0.037 | 0.071 | 0.011 | 0                     | 0    | 0    | 0     | 52   | 0     | 0     | 4    | 56                    | 41   | 14                       | 0     | 0     | 1    | 0.13                               | 15         | 9.2  |
| 4/10/2017           | 0.022                   |       |       |       | 0.010 |       |       | 0.023 | 0                     | 0    | 0    | 0     | 102  | 0     | 0     | 0    | 102                   | 91   | 11                       | 0     | 0     | 0    |                                    |            |      |
| 4/17/2017           | 0.030                   |       |       |       | 0.014 | 0.069 | 0.098 | 0.016 | 0                     | 0    | 0    | 0     | 75   | 0     | 0     | 0    | 75                    | 71   | 5                        | 0     | 0     | 0    | 0.07                               | 5          | 14.0 |
| 4/24/2017           | 0.034                   |       |       |       | 0.017 |       |       | 0.010 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 5/1/2017            | 0.029                   |       |       |       | 0.016 | 0.054 | 0.089 | 0.018 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    | 0.00                               | 0          |      |
| 5/8/2017            | 0.027                   |       |       |       | 0.014 |       |       | 0.010 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 5/15/2017           | 0.029                   |       |       |       | 0.016 |       |       | 0.014 | 0                     | 0    | 0    | 0     | 55   | 0     | 0     | 0    | 55                    | 52   | 3                        | 0     | 0     | 0    | 0.06                               | 3          | 16.0 |
| 5/22/2017           | 0.035                   |       |       |       | 0.018 |       |       | 0.015 | 0                     | 0    | 0    | 0     | 56   | 0     | 0     | 0    | 56                    | 50   | 7                        | 0     | 0     | 0    |                                    |            |      |
| 5/30/2017           | 0.033                   |       |       |       | 0.027 |       |       | 0.018 | 0                     | 0    | 0    | 0     | 32   | 0     | 0     | 4    | 35                    | 29   | 6                        | 0     | 0     | 1    | 0.18                               | 7          | 26.1 |
| 6/5/2017            | 0.036                   |       |       |       | 0.024 |       |       | 0.013 | 0                     | 0    | 0    | 0     | 0    | 0     | 0     | 0    | 0                     | 0    | 0                        | 0     | 0     | 0    |                                    |            |      |
| 6/12/2017           | 0.032                   |       | 0.011 | 0.024 | 0.087 | 0.033 | 0.034 | 0.018 | 0                     | 0    | 424  | 560   | 926  | 0     | 0     | 0    | 926                   | 0    | 926                      | 0     | 0     | 0    | 98.67                              | 1,910      | 51.7 |
| 6/19/2017           | 0.020                   |       | 0.010 | 0.011 | 0.013 |       |       | 0.012 | 0                     | 0    | 616  | 789   | 959  | 0     | 0     | 0    | 959                   | 312  | 647                      | 0     | 0     | 0    | 22.83                              | 2,067      | 11.0 |
| 6/26/2017           | 0.014                   |       | 0.010 | 0.009 | 0.017 |       |       | 0.022 | 0                     | 0    | 741  | 890   | 1392 | 0     | 0     | 0    | 1,392                 | 956  | 436                      | 0     | 0     | 0    |                                    |            |      |
| 7/5/2017            | 0.006                   | 0.005 | 0.004 | 0.008 | 0.006 |       |       | 0.015 | 381                   | 388  | 761  | 904   | 1341 | 0     | 0     | 0    | 1,341                 | 912  | 430                      | 0     | 0     | 0    |                                    |            |      |
| 7/10/2017           | 0.008                   | 0.006 | 0.006 | 0.007 | 0.008 | 0.018 | 0.010 | 0.016 | 358                   | 366  | 766  | 931   | 1284 | 0     | 0     | 0    | 1,284                 | 914  | 370                      | 0     | 0     | 0    | 19.14                              | 2,791      | 6.9  |
| 7/17/2017           | 0.007                   | 0.005 | 0.005 | 0.007 | 0.014 |       |       | 0.007 | 476                   | 456  | 917  | 1160  | 612  | 0     | 0     | 0    | 612                   | 467  | 145                      | 0     | 0     | 0    |                                    |            |      |
| 7/24/2017           | 0.008                   | 0.005 | 0.005 | 0.008 | 0.008 |       | 0.006 | 0.008 | 529                   | 499  | 969  | 1,230 | 244  | 0     | 0     | 0    | 244                   | 249  |                          | 0     | 0     | 0    | 21.41                              | 3,227      | 6.6  |
| 8/1/2017            | 0.007                   | 0.006 | 0.006 | 0.008 | 0.008 |       |       | 0.008 | 546                   | 514  | 964  | 1,250 | 224  | 0     | 0     | 3    | 227                   | 229  |                          | 0     | 0     | 0    |                                    |            |      |
| 8/7/2017            | 0.007                   | 0.005 | 0.007 | 0.008 | 0.007 | 0.008 | 0.006 | 0.008 | 479                   | 464  | 861  | 1160  | 229  | 0     | 0     | 0    | 229                   | 226  | 4                        | 0     | 0     | 0    | 21.00                              | 2,968      | 7.1  |
| 8/14/2017           | 0.006                   | 0.005 | 0.006 | 0.007 | 0.007 |       |       | 0.007 | 429                   | 425  | 797  | 1040  | 651  | 0     | 0     | 0    | 651                   | 657  |                          | 0     | 0     | 0    |                                    |            |      |
| 8/21/2017           | 0.005                   | 0.006 | 0.006 | 0.006 | 0.007 |       | 0.005 | 0.011 | 357                   | 359  | 702  | 857   | 1042 | 0     | 0     | 0    | 1,042                 | 1043 |                          | 0     | 0     | 0    | 13.29                              | 2,275      | 5.8  |
| 8/28/2017           | 0.005                   | 0.005 | 0.006 | 0.008 | 0.007 |       |       | 0.008 | 417                   | 415  | 823  | 1040  | 119  | 0     | 0     | 0    | 119                   | 126  |                          | 0     | 0     | 0    |                                    |            |      |
| 9/5/2017            | 0.006                   | 0.006 | 0.005 | 0.008 | 0.008 |       | 0.006 | 0.012 | 350                   | 355  | 704  | 790   | 679  | 0     | 0     | 0    | 679                   | 689  |                          | 0     | 0     | 0    | 14.07                              | 2,199      | 6.4  |
| 9/13/2017           | 0.011                   | 0.007 | 0.006 | 0.010 |       |       |       | 0.005 | 783                   | 672  | 1190 | 1370  | 0    | 0     | 0     | 152  | 152                   | 0    | 0                        | 0     | 152   |      |                                    |            |      |
| 9/14/2017           |                         |       |       |       | 0.011 |       |       |       | 817                   | 710  | 1240 | 1420  | 0    | 0     | 0     | 343  | 343                   | 0    | 0                        | 0     | 0     | 343  |                                    |            |      |
| 9/18/2017           | 0.009                   | 0.007 | 0.006 | 0.006 | 0.010 | 0.008 | 0.008 | 0.007 | 838                   | 751  | 1290 | 1460  | 927  | 0     | 0     | 0    | 927                   | 0    | 927                      | 0     | 0     | 0    | 38.57                              | 5,266      | 7.3  |
| 9/25/2017           | 0.008                   | 0.006 | 0.006 | 0.005 | 0.007 |       |       | 0.008 | 868                   | 769  | 1320 | 1530  | 1221 | 0     | 0     | 0    | 1,221                 | 466  | 754                      | 0     | 0     | 0    |                                    |            |      |
| 10/2/2017           | 0.006                   | 0.006 | 0.005 | 0.008 | 0.009 | 0.007 | 0.006 | 0.007 | 1171                  | 1068 | 1080 | 1469  | 409  | 0     | 0     | 0    | 409                   | 237  | 171                      | 0     | 0     | 0    | 32.13                              | 4,959      | 6.5  |
| 10/9/2017           | 0.008                   | 0.006 | 0.006 | 0.007 | 0.007 |       |       | 0.014 | 1398                  | 1290 | 1070 | 1548  | 99   | 0     | 0     | 0    | 99                    | 106  |                          | 0     | 0     | 0    |                                    |            |      |
| 10/16/2017          | 0.008                   | 0.005 | 0.004 | 0.006 | 0.007 | 0.006 | 0.012 | 0.009 | 1378                  | 1272 | 982  | 1628  | 377  | 0     | 0     | 0    | 377                   | 377  | 1                        | 0     | 0     | 0    | 31.09                              | 5,261      | 5.9  |
| 10/23/2017          | 0.008                   | 0.007 | 0.005 | 0.008 | 0.007 |       |       | 0.010 | 1281                  | 1185 | 1154 | 1554  | 440  | 0     | 0     | 0    | 440                   | 436  | 4                        | 0     | 0     | 0    |                                    |            |      |
| 10/30/2017          | 0.007                   | 0.006 | 0.005 | 0.007 | 0.007 |       |       | 0.010 | 1347                  | 1259 | 1117 | 1694  | 117  | 0     | 0     | 0    | 117                   | 112  | 5                        | 0     | 0     | 0    | 34.46                              | 5,422      | 6.4  |
| 11/6/2017           | 0.007                   | 0.006 | 0.006 | 0.008 | 0.007 |       |       | 0.009 | 1195                  | 1117 | 1052 | 1540  | 631  | 0     | 0     | 0    | 631                   | 628  | 3                        | 0     | 0     | 0    |                                    |            |      |
| 11/13/2017          | 0.005                   | 0.004 | 0.004 | 0.006 | 0.007 | 0.006 | 0.011 | 0.012 | 1014                  | 956  | 957  | 1335  | 858  | 0     | 0     | 0    | 858                   | 867  |                          | 0     | 0     | 0    | 20.73                              | 4,262      | 4.9  |
| 11/20/2017          | 0.005                   | 0.004 | 0.004 | 0.006 | 0.005 |       |       | 0.012 | 845                   | 794  | 1152 | 1179  | 860  | 0     | 0     | 0    | 860                   | 868  |                          | 0     | 0     | 0    |                                    |            |      |
| 11/27/2017          | 0.005                   | 0.004 | 0.003 | 0.006 | 0.006 |       |       | 0.010 | 695                   | 629  | 822  | 1132  | 1416 | 0     | 0     | 0    | 1,416                 | 926  | 491                      | 0     | 0     | 0    | 18.19                              | 3,769      | 4.8  |
| 12/4/2017           | 0.005                   | 0.006 | 0.004 | 0.006 | 0.005 |       |       | 0.014 | 559                   | 511  | 909  | 1014  | 1716 | 0     | 0     | 0    | 1,716                 | 1016 | 700                      | 0     | 0     | 0    |                                    |            |      |
| 12/11/2017          | 0.004                   | 0.005 | 0.004 | 0.006 | 0.006 | 0.004 | 0.006 | 0.008 | 458                   | 441  | 768  | 855   | 1495 | 0     | 0     | 0    | 1,495                 | 632  | 862                      | 0     | 0     | 0    | 17.41                              | 3,384      | 5.1  |
| 12/18/2017          | 0.004                   | 0.005 | 0.003 | 0.006 | 0.007 |       |       | 0.007 | 374                   | 369  | 901  | 1047  | 1497 | 0     | 0     | 0    | 1,497                 | 733  | 763                      | 0     | 0     | 0    |                                    |            |      |
| 12/26/20            |                         |       |       |       |       |       |       |       |                       |      |      |       |      |       |       |      |                       |      |                          |       |       |      |                                    |            |      |