

JBT01 tile drain monitoring station

PROJECT NO.

15-309

PREPARED FOR:

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Assessment of Tile Drainage Systems in the Jewett Brook Watershed:

June 2017 Monitoring Summary

July 2017 Monitoring Summary

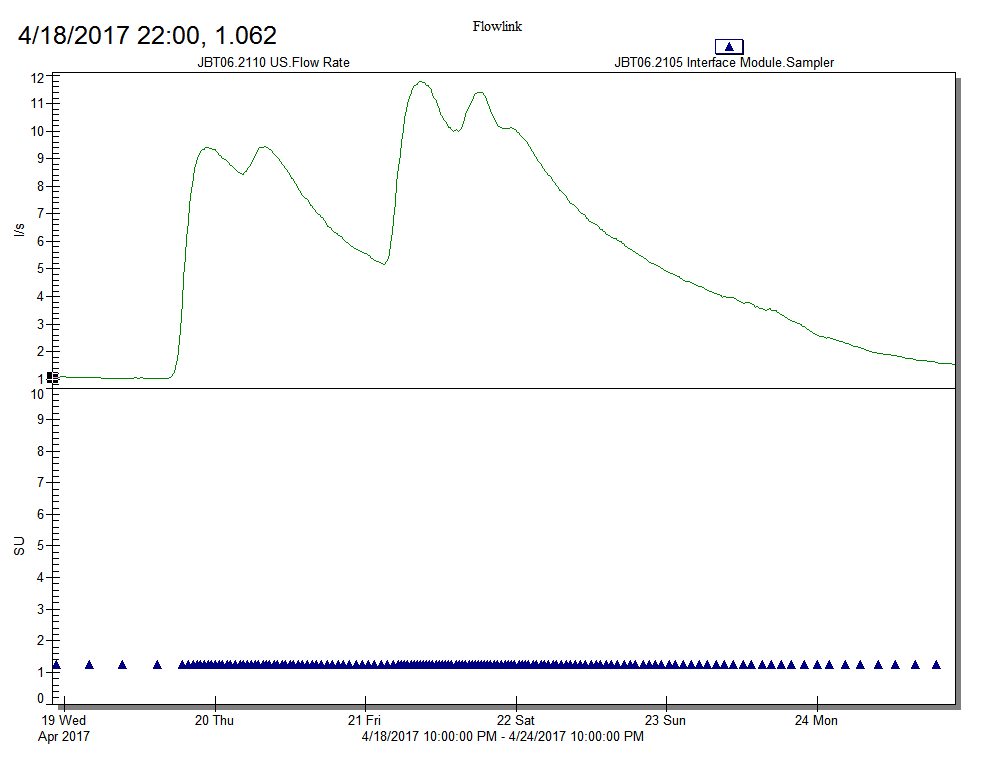
The purpose of this report is to document monitoring activities performed last month, in July 2017, at 12 selected tile drain outlets in the Jewett Brook watershed in St. Albans, Vermont.

All 12 stations are operational. Table 1 identifies the start dates for monitoring activities at each station. The first set of weekly composite samples was collected and processed on April 11, in accordance with the project Quality Assurance Project Plan, Version 1.0, Amendment 1.

Upon start up, it became apparent that the JBT05 flowmeter was malfunctioning. A substitute ISCO 2150 area-velocity flowmeter was installed to minimize data losses. We are currently still waiting to receive shipment of a replacement Waterflux 3000 meter.

Every 30 minutes, flow and sampling data are transmitted to Stone’s server. These data are checked periodically to assess whether the sampling program is working as intended. Figure 1 displays an example of flow data (top panel) at station JBT06, along with the time each sample aliquot was dispensed to the sample carboys (bottom panel).

Figure . Example flow rate and sampling marks from Station JBT06



Flow monitoring and sample collection continues at all twelve stations. Flow-paced, composite samples are collected approximately weekly. To date, 15 rounds of sampling have been performed at the tile drain monitoring sites. Flow-pacing settings are adjusted at the start of each sampling round, based on recently measured flow rates and the weather forecast. The goal is to produce between 5–10 L of composite sample at each site. Stone’s subcontractor, the Friends of Northern Lake Champlain, is performing the sample processing. Various maintenance activities are performed on every sample collection date, including checking/changing instrument desiccant and removing vegetation shading solar panels.

Composite samples collected at the tile drain monitoring stations are analyzed by the Vermont Agriculture and Environmental Laboratory for concentrations of total phosphorus (TP), total dissolved phosphorus (TDP), and total nitrogen (TN). Table 2 presents these data for all analyses classified as Approved. Results are not yet available for samples collected since June 13, 2017.

We in the process of developing a database to allow efficient extraction and summary of interval flow data and constituent concentrations and calculated loads.

Table : Start dates for monitoring activities at each station

| Station | Start flow monitoring | Start autosampling |
| --- | --- | --- |
| JBT01 | 3/23/17 | 4/5/17 |
| JBT02 | 3/23/17 | 4/5/17 |
| JBT04 | 4/3/17 | 4/5/17 |
| JBT05 | 4/20/17 | 4/20/17 |
| JBT06 | 4/5/17 | 4/5/17 |
| JBT07 | 3/30/17 | 4/5/17 |
| JBT11 | 4/5/17 | 4/5/17 |
| JBT13 | 4/3/17 | 4/11/17 |
| JBT14 | 4/5/17 | 4/5/17 |
| JBT16 | 3/30/17 | 4/5/17 |
| JBT18 | 4/22/17 | 4/22/17 |
| JBT19 | 4/22/17 | 4/22/17 |

Table : TP, TDP, and TN concentrations in composite samples collected through June 13, 2017

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT01 | 4/11/2017 | 1 | 491 | 258 | 4.81 |
| JBT01 | 4/18/2017 | 1 | 55.1 | 21.1 | 4.77 |
| JBT01 | 4/25/2017 | 1 | 77.3 | 17.6 | 5.24 |
| JBT01 | 5/2/2017 | 1 | 333 | 81.2 | 5.63 |
| JBT01 | 5/9/2017 | 1 | 208 | 44.5 | 5.29 |
| JBT01 | 5/9/2017 | 2+3 | 236 | 40.8 | 5.17 |
| JBT01 | 5/16/2017 | 1 | 26.7 | 15.4 | 4.96 |
| JBT01 | 5/23/2017 | 1 | 127 | 26.7 | 5.27 |
| JBT01 | 5/30/2017 | 1 | 19.3 | 13 | 5.13 |
| JBT01 | 6/7/2017 | 1 | 23.5 | 7.6 | 5.32 |
| JBT01 | 6/13/2017 | 1 | 23.9 | 13.9 | 5.29 |
| JBT01 | 6/22/2017 | 1 | 28.6 | 16.1 | 6.48 |
| JBT01 | 6/27/2017 | 1 | 108 | 64.4 | 22.19 |
| JBT01 | 6/27/2017 | 2 | 111 | 72.2 | 15.57 |
| JBT01 | 6/27/2017 | 3 | 63.8 | 44.1 | 8.47 |
| JBT01 | 7/5/2017 | 1 | 256 | 77.9 | 8.05 |
| JBT01 | 7/5/2017 | 2+3 | 94.6 | 46.7 | 6.27 |
| JBT01 | 7/11/2017 | 1+2 | 223 | 106 | 6.63 |
| JBT01 | 7/18/2017 | 1 | 98 | 47.5 | 5.31 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT02 | 4/11/2017 | 1 | 976 | 678 | 7.19 |
| JBT02 | 4/18/2017 | 1 | 242 | 93.6 | 8.52 |
| JBT02 | 4/25/2017 | 1 | 491 | 142 | 8.68 |
| JBT02 | 5/2/2017 | 1 | 805 | 492 | 8.58 |
| JBT02 | 5/9/2017 | 1 | 585 | 120 | 8.52 |
| JBT02 | 5/9/2017 | 2 | 868 | 122 | 7.88 |
| JBT02 | 5/9/2017 | 3 | 868 | 156 | 8 |
| JBT02 | 5/16/2017 | 1 | 109 | 37.6 | 8.26 |
| JBT02 | 5/30/2017 | 1 | 78.5 | 30.3 | 8.83 |
| JBT02 | 6/7/2017 | 1 | 67.3 | 28.2 | 11.78 |
| JBT02 | 6/13/2017 | 1 | 48 | 28.5 | 11.69 |
| JBT02 | 6/22/2017 | 1 | 90.9 | 42.3 | 12.86 |
| JBT02 | 6/26/2017 | 1 | 137 | 61.9 | 25.34 |
| JBT02 | 6/26/2017 | 2 | 189 | 82.2 | 29.34 |
| JBT02 | 6/26/2017 | 3 | 160 | 94 | 27.34 |
| JBT02 | 6/26/2017 | 4 | 315 | 106 | 22.93 |
| JBT02 | 7/5/2017 | 1+2 | 102 | 60.5 | 9.85 |
| JBT02 | 7/11/2017 | 1 | 303 | 118 | 8.68 |
| JBT02 | 7/11/2017 | 2 | 433.5 | 196 | 7.19 |
| JBT02 | 7/18/2017 | 1 | 186.5 | 118 | 7.27 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT04 | 4/11/2017 | 1 | 798 | 120 | 4.89 |
| JBT04 | 4/18/2017 | 1 | 115 | 38.6 | 4.33 |
| JBT04 | 4/25/2017 | 1 | 133 | 45.4 | 4.86 |
| JBT04 | 5/2/2017 | 1 | 500 | 79.2 | 5.43 |
| JBT04 | 5/9/2017 | 1 | 303 | 52.9 | 4.19 |
| JBT04 | 5/9/2017 | 2+3 | 404 | 58.8 | 4.23 |
| JBT04 | 5/16/2017 | 1 | 68.8 | 22.2 | 3.8 |
| JBT04 | 5/23/2017 | 1 | 109 | 23.6 | 4.35 |
| JBT04 | 5/30/2017 | 1 | 90.2 | 18.1 | 4.37 |
| JBT04 | 6/7/2017 | 1 | 114 | 10.7 | 5.65 |
| JBT04 | 6/13/2017 | 1 | 42.9 | 19.6 | 5.19 |
| JBT04 | 6/22/2017 | 1 | 108 | 49.5 | 5.39 |
| JBT04 | 6/27/2017 | 1 | 184 | 52.4 | 29.19 |
| JBT04 | 6/27/2017 | 2 | 135 | 49.6 | 27.59 |
| JBT04 | 6/27/2017 | 3 | 115 | 65.3 | 16.71 |
| JBT04 | 6/27/2017 | 4 | 73.6 | 50.1 | 11.85 |
| JBT04 | 7/5/2017 | 1 | 270.5 | 53 | 13.07 |
| JBT04 | 7/5/2017 | 2+3 | 132 | 52.6 | 7.29 |
| JBT04 | 7/11/2017 | 1+2 | 261.5 | 51.5 | 8.25 |
| JBT04 | 7/18/2017 | 1 | 125.5 | 38.4 | 5.79 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT05 | 4/25/2017 | 1 | 68.7 | 53.7 | 24.78 |
| JBT05 | 5/2/2017 | 1 | 226 | 108 | 20.6 |
| JBT05 | 5/9/2017 | (blank) | 132 | 82.9 | 23.56 |
| JBT05 | 5/16/2017 | 1 | 33.6 | 26.6 | 21.68 |
| JBT05 | 5/23/2017 | 1 | 60 | 38.4 | 14.84 |
| JBT05 | 5/30/2017 | 1 | 38.4 | 37 | 10.52 |
| JBT05 | 6/6/2017 | 1+2 | 34.1 | 21.4 | 8.1 |
| JBT05 | 6/13/2017 | 1+3 | 67.6 | 49.6 | 12.68 |
| JBT05 | 6/22/2017 | 1 | 61.2 | 40.6 | 14.48 |
| JBT05 | 6/27/2017 | 1+2 | 345 | 285.3 | 34.73 |
| JBT05 | 6/27/2017 | 3+4 | 408 | 357 | 27.73 |
| JBT05 | 6/30/2017 | 1 | 79.7 | 57.2 | 24.83 |
| JBT05 | 6/30/2017 | 2 | 595 | 452 | 21.23 |
| JBT05 | 6/30/2017 | 3 | 210 | 181 | 23.63 |
| JBT05 | 7/5/2017 | 1 | 134 | 100 | 24.58 |
| JBT05 | 7/11/2017 | 1+2 | 565 | 493 | 23.7 |
| JBT05 | 7/18/2017 | 1 | 138 | 104 | 29.55 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT06 | 4/11/2017 | 1 | 195 | 131 | 33.47 |
| JBT06 | 4/18/2017 | 1 | 192 | 76.3 | 20.71 |
| JBT06 | 4/25/2017 | 1 | 117 | 70.1 | 24.03 |
| JBT06 | 5/2/2017 | 1 | 321 | 164 | 25.2 |
| JBT06 | 5/9/2017 | 1 | 150 | 100 | 28.2 |
| JBT06 | 5/9/2017 | 2 | 135 | 98.1 | 13.54 |
| JBT06 | 5/16/2017 | 1 | 180 | 96.2 | 26.04 |
| JBT06 | 5/23/2017 | 1 | 327 | 65.2 | 21.04 |
| JBT06 | 5/30/2017 | 1 | 67.7 | 37.8 | 22.52 |
| JBT06 | 6/7/2017 | 1 | 138 | 88.9 | 25.87 |
| JBT06 | 6/13/2017 | 1 | 47.4 | 36.4 | 25.95 |
| JBT06 | 6/22/2017 | 1 | 45.9 | 27.3 | 23.12 |
| JBT06 | 6/27/2017 | 1 | 412 | 192 | 42.67 |
| JBT06 | 6/27/2017 | 2 | 210 | 157 | 48.27 |
| JBT06 | 6/27/2017 | 3 | 416 | 222 | 46.63 |
| JBT06 | 6/27/2017 | 4 | 234 | 183 | 49.83 |
| JBT06 | 6/30/2017 | All4 | 266.4 | 174 | 33.83 |
| JBT06 | 7/5/2017 | 1 | 134 | 109 | 34.82 |
| JBT06 | 7/11/2017 | 1+2 | 228 | 137 | 26.5 |
| JBT06 | 7/18/2017 | 1 | 128.4 | 106 | 32.55 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT07 | 4/11/2017 | 1 | 708 | 159 | 7.52 |
| JBT07 | 4/18/2017 | 1 | 45 | 14.1 | 4.81 |
| JBT07 | 4/25/2017 | 1 | 103 | 27.4 | 5.79 |
| JBT07 | 5/2/2017 | 1 | 279.6 | 58 | 6.72 |
| JBT07 | 5/9/2017 | 1 | 126 | 41.4 | 6.17 |
| JBT07 | 5/9/2017 | 2+3 | 230 | 54.2 | 6.59 |
| JBT07 | 5/16/2017 | 1 | 19.7 | 12.9 | 5.21 |
| JBT07 | 5/23/2017 | 1 | 24.4 | 11.9 | 5.08 |
| JBT07 | 5/30/2017 | 1 | 21.1 | 14.2 | 5.29 |
| JBT07 | 6/7/2017 | 1 | 17 | 6.98 | 5.57 |
| JBT07 | 6/13/2017 | 1 |  | 13.1 | 5.35 |
| JBT07 | 6/22/2017 | 1 | 39.3 | 17.1 | 8.16 |
| JBT07 | 6/26/2017 | 1 | 242 | 177 | 45.18 |
| JBT07 | 6/26/2017 | 2 | 555 | 357 | 45.18 |
| JBT07 | 6/26/2017 | 3 | 204 | 182 | 31.59 |
| JBT07 | 6/26/2017 | 4 | 389.2 | 230 | 23.59 |
| JBT07 | 6/30/2017 | 1 | 79.7 | 60.8 | 12.67 |
| JBT07 | 6/30/2017 | 2+3 | 700 | 327 | 18.55 |
| JBT07 | 7/5/2017 | 1 | 119 | 88.6 | 11.62 |
| JBT07 | 7/11/2017 | 1 | 47.3 | 21 | 11.05 |
| JBT07 | 7/18/2017 | 1 | 69.9 | 54.9 | 15.37 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT11 | 4/11/2017 | 1 | 39.5 | 57.8 | 3.35 |
| JBT11 | 4/18/2017 | 1 | 11.5 | 16.2 | 2.59 |
| JBT11 | 4/25/2017 | 1 | 14.7 | 9.73 | 2.45 |
| JBT11 | 5/2/2017 | 1 | 46.5 | 16.1 | 2.04 |
| JBT11 | 5/9/2017 | 1 | 28.8 | 12 | 1.63 |
| JBT11 | 5/9/2017 | 2 | 39 | 12.9 | 1.53 |
| JBT11 | 5/16/2017 | 1 | 31.2 | 23.1 | 1.24 |
| JBT11 | 5/23/2017 | 1 | 234 | 28.8 | 1.24 |
| JBT11 | 5/30/2017 | 1 | 18.1 | 9.58 | 0.81 |
| JBT11 | 6/7/2017 | 1 | 18.6 | 6.46 | 0.91 |
| JBT11 | 6/13/2017 | 1 | 49.7 | 17.2 | 1.29 |
| JBT11 | 6/22/2017 | 1 | 68.8 | 26.4 | 0.77 |
| JBT11 | 6/27/2017 | 1 | 61.5 | 29.2 | 1.48 |
| JBT11 | 6/27/2017 | 2 | 89.8 | 48 | 1.59 |
| JBT11 | 6/27/2017 | 3 | 77.1 | 51.4 | 1.54 |
| JBT11 | 6/27/2017 | 4 | 81.4 | 44 | 1.51 |
| JBT11 | 6/30/2017 | 1 | 30.3 | 17.9 | 1.11 |
| JBT11 | 6/30/2017 | 2 | 24.8 | 17.9 | 1.01 |
| JBT11 | 6/30/2017 | 3 | 24 | 16.8 | 1.05 |
| JBT11 | 6/30/2017 | 4 | 23.3 | 16 | 1.06 |
| JBT11 | 7/5/2017 | 1 | 21.2 | 16.8 | 1.16 |
| JBT11 | 7/11/2017 | 1 | 28.1 | 19.5 | 1.3 |
| JBT11 | 7/18/2017 | 1 | 33.5 | 64.4 | 1.22 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT13 | 4/18/2017 | 1 | 63.8 | 23.2 | 6.12 |
| JBT13 | 4/25/2017 | 1 | 113 | 26.1 | 6.44 |
| JBT13 | 5/2/2017 | 1 | 560 | 41.1 | 5.25 |
| JBT13 | 5/9/2017 | 1+2 | 120 | 35.7 | 6.1 |
| JBT13 | 5/16/2017 | 1 | 35295 |  | 217.21 |
| JBT13 | 5/23/2017 | 1 | 3720 | 2525 | 17.2 |
| JBT13 | 5/30/2017 | 1 | 2975 | 2070 | 14.08 |
| JBT13 | 6/7/2017 | 1 | 3585 | 2240 | 19.08 |
| JBT13 | 6/13/2017 | 1 | 815 | 489.5 | 7.97 |
| JBT13 | 6/22/2017 | 1 | 912 | 585 | 8.94 |
| JBT13 | 6/27/2017 | 1 | 525 | 218 | 21.83 |
| JBT13 | 6/27/2017 | 2 | 384.8 | 137 | 12.71 |
| JBT13 | 7/5/2017 | 1 | 312 | 143 | 28.87 |
| JBT13 | 7/5/2017 | 2 | 87.1 | 70.5 | 14.03 |
| JBT13 | 7/11/2017 | 1 | 350.4 | 191 | 12.15 |
| JBT13 | 7/18/2017 | 1 | 95.3 | 94.8 | 16.97 |

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| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT14 | 4/11/2017 | 1 | 248 | 66.5 | 7.43 |
| JBT14 | 4/18/2017 | 1 | 70.5 | 33.2 | 8.25 |
| JBT14 | 4/25/2017 | 1 | 145 | 51.5 | 7.62 |
| JBT14 | 4/25/2017 | 2 | 46.3 | 35.2 | 8.22 |
| JBT14 | 5/2/2017 | 1 | 342 | 59.3 | 7.2 |
| JBT14 | 5/9/2017 | 1+2 | 177 | 51.1 | 7.12 |
| JBT14 | 5/16/2017 | 1 | 4335 | 1640 | 51.21 |
| JBT14 | 5/23/2017 | 1 | 690 | 183 | 9.66 |
| JBT14 | 5/30/2017 | 1 | 78.2 | 75.7 | 7.72 |
| JBT14 | 6/7/2017 | 1 | 138 | 143 | 19.95 |
| JBT14 | 6/13/2017 | 1+2 | 73.6 | 60.1 | 9.89 |
| JBT14 | 6/22/2017 | 1 | 189 | 132 | 11.88 |
| JBT14 | 6/27/2017 | 1 | 482 | 208 | 31.95 |
| JBT14 | 6/27/2017 | 2 | 618 | 345 | 22.75 |
| JBT14 | 6/27/2017 | 3 | 246 | 216 | 19.91 |
| JBT14 | 6/30/2017 | 1 | 436 | 210 | 56.87 |
| JBT14 | 6/30/2017 | 2 | 220 | 162 | 34.23 |
| JBT14 | 7/5/2017 | 1 | 95.9 | 86.4 | 16.81 |
| JBT14 | 7/5/2017 | 2 | 90.4 | 74.1 | 14.07 |
| JBT14 | 7/11/2017 | 1 | 103 | 87.4 | 13.35 |
| JBT14 | 7/18/2017 | 1 | 88.3 | 102 | 14.87 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT16 | 4/11/2017 | 1 | 105 | 72.7 | 5.77 |
| JBT16 | 4/18/2017 | 1 | 28.2 | 22.4 | 5.12 |
| JBT16 | 4/25/2017 | 1 | 28.5 | 21.5 | 4.48 |
| JBT16 | 5/2/2017 | 1 | 256.2 | 25.5 | 3.89 |
| JBT16 | 5/9/2017 | 1+2 | 31.3 | 13.7 | 2.79 |
| JBT16 | 5/16/2017 | 1 | 19.4 | 13.3 | 2.89 |
| JBT16 | 5/23/2017 | 1 | 26.2 | 17 | 2.96 |
| JBT16 | 5/30/2017 | 1 | 26.7 | 17.7 | 2.62 |
| JBT16 | 6/7/2017 | 1 | 25.9 | 9.56 | 3.68 |
| JBT16 | 6/13/2017 | 1 | 29.4 | 17.4 | 3.44 |
| JBT16 | 6/22/2017 | 1 | 85.9 | 32.9 | 5.81 |
| JBT16 | 6/26/2017 | 1+2 | 89.2 | 44.1 | 21.99 |
| JBT16 | 7/5/2017 | 1 | 41 | 28.9 | 14.85 |
| JBT16 | 7/5/2017 | 2+3 | 34.3 | 27.6 | 12.43 |
| JBT16 | 7/11/2017 | 1 | 32.8 | 29.8 | 9.75 |
| JBT16 | 7/18/2017 | 1 | 35.4 | 22.3 | 8.4 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT18 | 4/25/2017 | 1 | 87.4 | 46.1 | 1.16 |
| JBT18 | 5/2/2017 | 1 | 170 | 42.3 | 1.26 |
| JBT18 | 5/9/2017 | 1 | 140 | 40.1 | 1.13 |
| JBT18 | 5/9/2017 | 2 | 77.5 | 37.5 | 0.99 |
| JBT18 | 5/9/2017 | 3 | 159 | 32.5 | 1.06 |
| JBT18 | 5/9/2017 | 4 | 199 | 38.6 | 1.1 |
| JBT18 | 5/16/2017 | 1 | 80.8 | 35.9 | 0.71 |
| JBT18 | 5/23/2017 | 1 | 49.7 | 16 | 0.78 |
| JBT18 | 5/30/2017 | 1 | 89.1 | 23 | 0.95 |
| JBT18 | 6/6/2017 | 1 | 46.5 | 8.59 | 0.79 |
| JBT18 | 6/13/2017 | 1 | 160 | 31.1 | 1.25 |
| JBT18 | 6/22/2017 | 1 | 71.2 |  | 1.33 |
| JBT18 | 6/30/2017 | 1 | 260.5 | 57.2 | 2.04 |
| JBT18 | 6/30/2017 | 2 | 234 | 71.5 | 1.9 |
| JBT18 | 6/30/2017 | 3 | 206 | 58.9 | 1.61 |
| JBT18 | 6/30/2017 | 4 | 142 | 57.9 | 1.38 |
| JBT18 | 7/5/2017 | 1+2+3+4 | 143 | 74.4 | 0.98 |
| JBT18 | 7/11/2017 | 1 | 135 | 59.5 | 1.06 |
| JBT18 | 7/18/2017 | 1 | 166 | 183 | 1.15 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station | Sampling date | Carboy | TP (µg/L) | TDP (µg/L) | TN (mg/L) |
| JBT19 | 4/25/2017 | 1 | 27.2 | 31.7 | 1 |
| JBT19 | 5/2/2017 | 1 | 56 | 21.1 | 1.1 |
| JBT19 | 5/9/2017 | 1 | 40.1 | 29.1 | 0.76 |
| JBT19 | 5/9/2017 | 2 | 20.9 | 12.2 | 0.61 |
| JBT19 | 5/9/2017 | 3+4 | 55.2 | 20.4 | 0.82 |
| JBT19 | 5/16/2017 | 1 | 17.6 | 12.6 | 0.45 |
| JBT19 | 5/23/2017 | 1 | 54.6 | 22.1 | 1 |
| JBT19 | 5/30/2017 | 1 | 21.8 | 10.4 | 0.49 |
| JBT19 | 6/13/2017 | 1 | 81.1 | 23.1 | 0.91 |
| JBT19 | 6/22/2017 | 1 | 151 |  | 1.24 |
| JBT19 | 6/30/2017 | 1 | 163 | 73.7 | 2.04 |
| JBT19 | 6/30/2017 | 2 | 52.2 | 39.4 | 0.88 |
| JBT19 | 6/30/2017 | 3+4 | 51.8 | 40.9 | 0.94 |
| JBT19 | 7/5/2017 | 1+2+3+4 | 41.4 | 31.3 | 0.71 |
| JBT19 | 7/11/2017 | 1 | 45.3 | 21.8 | 0.57 |
| JBT19 | 7/18/2017 | 1 | 79.3 | 74.2 | 1.05 |