| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 7/31/2012 9:40 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Al | | 144.5 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Al | | 315.7 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Al | | 228.9 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Al | | 228 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Al | | 120.2 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Alkalinity | | 117.4 | mg/LCaCO3 | EPA-310.2 |
| 8/7/2012 8:58 | Alkalinity | | 192 | mg/LCaCO3 | EPA-310.2 |
| 8/14/2012 9:25 | Alkalinity | | 90.3 | mg/LCaCO3 | EPA-310.2 |
| 8/21/2012 9:23 | Alkalinity | | 167 | mg/LCaCO3 | EPA-310.2 |
| 8/29/2012 9:30 | Alkalinity | | 115 | mg/LCaCO3 | EPA-310.2 |
| | | | | | |
| 7/31/2012 9:40 | As | | 2 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | As | | 3.93 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | As | j | 1.95 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | As | j | 1.94 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | As | j | 1.22 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Ba | | 31.55 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Ba | | 39.66 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Ba | | 21.79 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Ba | | 34.27 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Ba | | 31.54 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Be | < | 0.12 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | BOD | < | 2 | mg/L | SM 5210 |
| 8/7/2012 8:58 | BOD | | 2.3 | mg/L | SM 5210 |
| 8/14/2012 9:25 | BOD | | 5.6 | mg/L | SM 5210 |
| 8/21/2012 9:23 | BOD | | 2.3 | mg/L | SM 5210 |
| 8/29/2012 9:30 | BOD | < | 2 | mg/L | SM 5210 |
| | | | | | |
| 7/31/2012 9:40 | Ca | | 50470 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Ca | | 68690 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Ca | | 33820 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Ca | | 51790 | ug/L | EPA-200.7 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/29/2012 9:30 | Ca | | 44810 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | CaCO3 | | 184 | mg/LCaCO3 | EPA-200.7 |
| 8/7/2012 8:58 | CaCO3 | | 261 | mg/LCaCO3 | EPA-200.7 |
| 8/14/2012 9:25 | CaCO3 | | 119 | mg/LCaCO3 | EPA-200.7 |
| 8/21/2012 9:23 | CaCO3 | | 199 | mg/LCaCO3 | EPA-200.7 |
| 8/29/2012 9:30 | CaCO3 | | 166 | mg/LCaCO3 | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Cd | j | 0.11 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Cd | j | 0.1 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Chloride | | 68.58 | mg/L | EPA 300.0 |
| 8/7/2012 8:58 | Chloride | | 111.3 | mg/L | EPA 300.0 |
| 8/14/2012 9:25 | Chloride | | 47.57 | mg/L | EPA 300.0 |
| 8/21/2012 9:23 | Chloride | | 91.2 | mg/L | EPA 300.0 |
| 8/29/2012 9:30 | Chloride | | 63.79 | mg/L | EPA 300.0 |
| | | | | | |
| 7/31/2012 9:40 | Co | j | 0.48 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Co | j | 0.72 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Co | j | 0.4 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Co | j | 0.57 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Co | j | 0.4 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | COD | | 25.7 | mg/L | EPA 410.4 |
| 8/7/2012 8:58 | COD | | 18.4 | mg/L | EPA 410.4 |
| 8/14/2012 9:25 | COD | | 24.1 | mg/L | EPA 410.4 |
| 8/21/2012 9:23 | COD | | 20.7 | mg/L | EPA 410.4 |
| 8/29/2012 9:30 | COD | | 15.1 | mg/L | EPA 410.4 |
| | | | | | |
| 7/31/2012 9:40 | Cu | | 2.18 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Cu | | 2.17 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Cu | | 5.1 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Cu | | 1.9 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Cu | | 1.83 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | DRPhos | | 0.109 | mg/L | EPA 365.1 |
| 8/7/2012 8:58 | DRPhos | | 0.201 | mg/L | EPA 365.1 |
| 8/14/2012 9:25 | DRPhos | | 0.111 | mg/L | EPA 365.1 |
| 8/21/2012 9:23 | DRPhos | | 0.131 | mg/L | EPA 365.1 |
| | | | | | |
| 7/31/2012 9:40 | E. coli | EC | 417 | cfu/100mL | EPA 1603 |
| 8/7/2012 8:58 | E. coli | | 1167 | cfu/100mL | EPA 1603 |
| 8/14/2012 9:25 | E. coli | | 12400 | cfu/100mL | EPA 1603 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/21/2012 9:23 | E. coli | | 1600 | cfu/100mL | EPA 1603 |
| 8/29/2012 9:30 | E. coli | | 700 | cfu/100mL | EPA 1603 |
| | | | | | |
| 7/31/2012 9:40 | Fe | | 470.6 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Fe | | 837.8 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Fe | | 604.5 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Fe | | 711.1 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Fe | | 372.8 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Field Cond | | 581 | uS/cm | SM 2510A |
| 8/7/2012 8:58 | Field Cond | | 806 | uS/cm | SM 2510A |
| 8/14/2012 9:25 | Field Cond | | 385 | uS/cm | SM 2510A |
| 8/21/2012 9:23 | Field Cond | | 619 | uS/cm | SM 2510A |
| 8/29/2012 9:30 | Field Cond | | 604 | uS/cm | SM 2510A |
| | | | | | |
| 7/31/2012 9:40 | Field DO | | 5.51 | mg/L | SM 4500-0 G |
| 8/7/2012 8:58 | Field DO | | 3.36 | mg/L | SM 4500-0 G |
| 8/14/2012 9:25 | Field DO | | 7.88 | mg/L | SM 4500-0 G |
| 8/21/2012 9:23 | Field DO | | 3.93 | mg/L | SM 4500-0 G |
| 8/29/2012 9:30 | Field DO | | 5.9 | mg/L | SM 4500-0 G |
| | | | | | |
| 7/31/2012 9:40 | Field Temp | | 21.6 | C | EPA 170.1 |
| 8/7/2012 8:58 | Field Temp | | 18.9 | C | EPA 170.1 |
| 8/14/2012 9:25 | Field Temp | | 18.6 | C | EPA 170.1 |
| 8/21/2012 9:23 | Field Temp | | 16 | C | EPA 170.1 |
| 8/29/2012 9:30 | Field Temp | | 18.7 | C | EPA 170.1 |
| | | | | | |
| 7/31/2012 9:40 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/7/2012 8:58 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/14/2012 9:25 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/21/2012 9:23 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/29/2012 9:30 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| | | | | | |
| 7/31/2012 9:40 | K | | 6788 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | K | | 7327 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | K | | 3462 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | K | | 5001 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | K | | 6605 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Mg | | 13980 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Mg | | 21690 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Mg | | 8397 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Mg | | 17020 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Mg | | 13110 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Mn | | 161.3 | ug/L | EPA-200.7 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/7/2012 8:58 | Mn | | 526.3 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Mn | | 239.3 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Mn | | 428.2 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Mn | | 129.1 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Mo | | 4.51 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Mo | | 4.3 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Mo | | 1.99 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Mo | | 3.3 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Mo | | 4.18 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Na | | 44540 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Na | | 69910 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Na | | 33340 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Na | | 58900 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Na | | 44650 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | NH3 | | 0.086 | mg/L | EPA-350.1 |
| 8/7/2012 8:58 | NH3 | | 0.257 | mg/L | EPA-350.1 |
| 8/14/2012 9:25 | NH3 | | 0.41 | mg/L | EPA-350.1 |
| 8/21/2012 9:23 | NH3 | | 0.115 | mg/L | EPA-350.1 |
| 8/29/2012 9:30 | NH3 | | 0.084 | mg/L | EPA-350.1 |
| | | | | | |
| 7/31/2012 9:40 | Ni | | 2.59 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Ni | | 2.23 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Ni | j | 1 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Ni | j | 1.63 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Ni | | 2.08 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | NO2 | | 0.02 | mg/L | SM 4500-NO2-B |
| 8/7/2012 8:58 | NO2 | | 0.027 | mg/L | SM 4500-NO2-B |
| 8/14/2012 9:25 | NO2 | | 0.034 | mg/L | SM 4500-NO2-B |
| 8/21/2012 9:23 | NO2 | j | 0.01 | mg/L | SM 4500-NO2-B |
| 8/29/2012 9:30 | NO2 | < | 0.009 | mg/L | SM 4500-NO2-B |
| | | | | | |
| 7/31/2012 9:40 | NO3 | | 0.792 | mg/L | EPA 353.2 |
| 8/7/2012 8:58 | NO3 | | 0.472 | mg/L | EPA 353.2 |
| 8/14/2012 9:25 | NO3 | | 0.752 | mg/L | EPA 353.2 |
| 8/21/2012 9:23 | NO3 | | 0.172 | mg/L | EPA 353.2 |
| 8/29/2012 9:30 | NO3 | | 0.46 | mg/L | EPA 353.2 |
| | | | | | |
| 7/31/2012 9:40 | NO3+NO2 | | 0.813 | mg/L | EPA 353.2 |
| 8/7/2012 8:58 | NO3+NO2 | | 0.499 | mg/L | EPA 353.2 |
| 8/14/2012 9:25 | NO3+NO2 | | 0.786 | mg/L | EPA 353.2 |
| 8/21/2012 9:23 | NO3+NO2 | | 0.182 | mg/L | EPA 353.2 |
| 8/29/2012 9:30 | NO3+NO2 | | 0.46 | mg/L | EPA 353.2 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 7/31/2012 9:40 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 7/31/2012 9:40 | pH | | 6.37 | S.U. | |
| 8/7/2012 8:58 | pH | | 7.58 | S.U. | |
| 8/14/2012 9:25 | pH | | 7.64 | S.U. | |
| 8/21/2012 9:23 | pH | | 7.36 | S.U. | |
| 8/29/2012 9:30 | pH | | 7.73 | S.U. | |
| 7/31/2012 9:40 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 7/31/2012 9:40 | Se | j | 1.88 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Se | j | 1.72 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Se | < | 0.63 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Se | j | 1.33 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Se | j | 1.29 | ug/L | EPA-200.7 |
| 7/31/2012 9:40 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 7/31/2012 9:40 | SO4 | | 65.2 | mg/L | EPA 300.0 |
| 8/7/2012 8:58 | SO4 | | 64.08 | mg/L | EPA 300.0 |
| 8/14/2012 9:25 | SO4 | | 34.78 | mg/L | EPA 300.0 |
| 8/21/2012 9:23 | SO4 | | 53.8 | mg/L | EPA 300.0 |
| 8/29/2012 9:30 | SO4 | | 65.06 | mg/L | EPA 300.0 |
| 7/31/2012 9:40 | TDS | | 376 | mg/L | SM2540C |
| 8/7/2012 8:58 | TDS | | 546 | mg/L | SM2540C |
| 8/14/2012 9:25 | TDS | | 278 | mg/L | SM2540C |
| 8/21/2012 9:23 | TDS | | 440 | mg/L | SM2540C |
| 8/29/2012 9:30 | TDS | | 350 | mg/L | SM2540C |
| 7/31/2012 9:40 | Ti | | 2.27 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Ti | | 6.14 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Ti | | 4.18 | ug/L | EPA-200.7 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/21/2012 9:23 | Ti | | 3.33 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Ti | j | 1.94 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Tl | j | 1.79 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | Tl | j | 1.32 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Tl | < | 1.11 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Tl | j | 1.92 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Tl | < | 1.11 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | TMET | < | 10 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | TMET | | 12.4 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | TMET | | 20.8 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | TMET | | 11.2 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | TMET | < | 10 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Total-P | | 0.154 | mg/L | EPA 365.1 |
| 8/7/2012 8:58 | Total-P | | 0.306 | mg/L | EPA 365.1 |
| 8/14/2012 9:25 | Total-P | | 0.224 | mg/L | EPA 365.1 |
| 8/21/2012 9:23 | Total-P | | 0.181 | mg/L | EPA 365.1 |
| 8/29/2012 9:30 | Total-P | | 0.136 | mg/L | EPA 365.1 |
| | | | | | |
| 7/31/2012 9:40 | TS | | 394 | mg/L | SM2540B |
| 8/7/2012 8:58 | TS | | 598 | mg/L | SM2540B |
| 8/14/2012 9:25 | TS | | 316 | mg/L | SM2540B |
| 8/21/2012 9:23 | TS | | 484 | mg/L | SM2540B |
| 8/29/2012 9:30 | TS | | 404 | mg/L | SM2540B |
| | | | | | |
| 7/31/2012 9:40 | TSS | | 4.7 | mg/L | SM2540D |
| 8/7/2012 8:58 | TSS | | 20.2 | mg/L | SM2540D |
| 8/14/2012 9:25 | TSS | | 13.6 | mg/L | SM2540D |
| 8/21/2012 9:23 | TSS | | 16.4 | mg/L | SM2540D |
| 8/29/2012 9:30 | TSS | | 4.9 | mg/L | SM2540D |
| | | | | | |
| 7/31/2012 9:40 | Turbidity | | 7.66 | NTU | EPA 180.1 |
| 8/7/2012 8:58 | Turbidity | | 15.2 | NTU | EPA 180.1 |
| 8/14/2012 9:25 | Turbidity | | 15 | NTU | EPA 180.1 |
| 8/21/2012 9:23 | Turbidity | | 12.4 | NTU | EPA 180.1 |
| 8/29/2012 9:30 | Turbidity | | 9.26 | NTU | EPA 180.1 |
| | | | | | |
| 7/31/2012 9:40 | V | j | 0.76 | ug/L | EPA-200.7 |
| 8/7/2012 8:58 | V | | 1.07 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | V | j | 0.81 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | V | j | 0.74 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | V | j | 0.25 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:40 | Zn | j | 3.52 | ug/L | EPA-200.7 |

| Plum Creek River Mile 2.90 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/7/2012 8:58 | Zn | j | 7.61 | ug/L | EPA-200.7 |
| 8/14/2012 9:25 | Zn | | 14.29 | ug/L | EPA-200.7 |
| 8/21/2012 9:23 | Zn | j | 7.41 | ug/L | EPA-200.7 |
| 8/29/2012 9:30 | Zn | j | 2.63 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 7/31/2012 9:23 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Ag | < | 0.12 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Al | | 55.2 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Al | | 63.68 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Al | | 301.7 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Al | | 58.08 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Al | | 68.37 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Alkalinity | | 139.5 | mg/LCaCO3 | EPA-310.2 |
| 8/7/2012 9:20 | Alkalinity | | 207.9 | mg/LCaCO3 | EPA-310.2 |
| 8/14/2012 9:00 | Alkalinity | | 103.6 | mg/LCaCO3 | EPA-310.2 |
| 8/21/2012 9:05 | Alkalinity | | 156 | mg/LCaCO3 | EPA-310.2 |
| 8/29/2012 9:09 | Alkalinity | | 122.15 | mg/LCaCO3 | EPA-310.2 |
| | | | | | |
| 7/31/2012 9:23 | As | j | 1.605 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | As | j | 1.51 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | As | | 2.07 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | As | j | 1.01 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | As | j | 1 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Ba | | 31.63 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Ba | | 36.42 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Ba | | 24.37 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Ba | | 30.29 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Ba | | 31.765 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Be | < | 0.12 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Be | < | 0.12 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | BOD | < | 2 | mg/L | SM 5210 |
| 8/7/2012 9:20 | BOD | | 3.6 | mg/L | SM 5210 |
| 8/14/2012 9:00 | BOD | | 4.8 | mg/L | SM 5210 |
| 8/21/2012 9:05 | BOD | < | 2 | mg/L | SM 5210 |
| 8/29/2012 9:09 | BOD | < | 2 | mg/L | SM 5210 |
| | | | | | |
| 7/31/2012 9:23 | Ca | | 55820 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Ca | | 77480 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Ca | | 43190 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Ca | | 51320 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/29/2012 9:09 | Ca | | 47505 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | CaCO3 | | 201 | mg/LCaCO3 | EPA-200.7 |
| 8/7/2012 9:20 | CaCO3 | | 290 | mg/LCaCO3 | EPA-200.7 |
| 8/14/2012 9:00 | CaCO3 | | 146 | mg/LCaCO3 | EPA-200.7 |
| 8/21/2012 9:05 | CaCO3 | | 192 | mg/LCaCO3 | EPA-200.7 |
| 8/29/2012 9:09 | CaCO3 | | 170 | mg/LCaCO3 | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Cd | j | 0.06 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Cd | j | 0.1 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Cd | < | 0.02 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Chloride | | 87.17 | mg/L | EPA 300.0 |
| 8/7/2012 9:20 | Chloride | | 130.3 | mg/L | EPA 300.0 |
| 8/14/2012 9:00 | Chloride | | 88.51 | mg/L | EPA 300.0 |
| 8/21/2012 9:05 | Chloride | | 124.7 | mg/L | EPA 300.0 |
| 8/29/2012 9:09 | Chloride | | 71.435 | mg/L | EPA 300.0 |
| | | | | | |
| 7/31/2012 9:23 | Co | j | 0.31 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Co | j | 0.37 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Co | j | 0.38 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Co | j | 0.16 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Co | j | 0.24 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | COD | | 25.4 | mg/L | EPA 410.4 |
| 8/7/2012 9:20 | COD | | 17.6 | mg/L | EPA 410.4 |
| 8/14/2012 9:00 | COD | | 20.7 | mg/L | EPA 410.4 |
| 8/21/2012 9:05 | COD | | 21.2 | mg/L | EPA 410.4 |
| | | | | | |
| 7/31/2012 9:23 | Cu | | 2.605 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Cu | | 2.64 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Cu | | 3.85 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Cu | | 1.99 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Cu | | 2.94 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | DRPhos | | 0.087 | mg/L | EPA 365.1 |
| 8/7/2012 9:20 | DRPhos | | 0.088 | mg/L | EPA 365.1 |
| 8/14/2012 9:00 | DRPhos | | 0.06 | mg/L | EPA 365.1 |
| 8/21/2012 9:05 | DRPhos | | 0.068 | mg/L | EPA 365.1 |
| | | | | | |
| 7/31/2012 9:23 | E. coli | | 850 | cfu/100mL | EPA 1603 |
| 8/7/2012 9:20 | E. coli | | 700 | cfu/100mL | EPA 1603 |
| 8/14/2012 9:00 | E. coli | | 14800 | cfu/100mL | EPA 1603 |
| 8/21/2012 9:05 | E. coli | | 4400 | cfu/100mL | EPA 1603 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/29/2012 9:09 | E. coli | EC | 855 | cfu/100mL | EPA 1603 |
| | | | | | |
| 7/31/2012 9:23 | Fe | | 268.7 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Fe | | 220.1 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Fe | | 546.4 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Fe | | 268 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Fe | | 251.55 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Field Cond | | 657 | uS/cm | SM 2510A |
| 8/7/2012 9:20 | Field Cond | | 882 | uS/cm | SM 2510A |
| 8/14/2012 9:00 | Field Cond | | 512 | uS/cm | SM 2510A |
| 8/21/2012 9:05 | Field Cond | | 692 | uS/cm | SM 2510A |
| 8/29/2012 9:09 | Field Cond | | 608 | uS/cm | SM 2510A |
| | | | | | |
| 7/31/2012 9:23 | Field DO | | 7.26 | mg/L | SM 4500-0 G |
| 8/7/2012 9:20 | Field DO | | 6.06 | mg/L | SM 4500-0 G |
| 8/14/2012 9:00 | Field DO | | 8.9 | mg/L | SM 4500-0 G |
| 8/21/2012 9:05 | Field DO | | 7.97 | mg/L | SM 4500-0 G |
| 8/29/2012 9:09 | Field DO | | 7 | mg/L | SM 4500-0 G |
| | | | | | |
| 7/31/2012 9:23 | Field Temp | | 21.5 | C | EPA 170.1 |
| 8/7/2012 9:20 | Field Temp | | 19.6 | C | EPA 170.1 |
| 8/14/2012 9:00 | Field Temp | | 19.3 | C | EPA 170.1 |
| 8/21/2012 9:05 | Field Temp | | 16.7 | C | EPA 170.1 |
| 8/29/2012 9:09 | Field Temp | | 18.9 | C | EPA 170.1 |
| | | | | | |
| 7/31/2012 9:23 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/7/2012 9:20 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/14/2012 9:00 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/21/2012 9:05 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| 8/29/2012 9:09 | Hg | < | 0.005 | ug/L | EPA 245.1 |
| | | | | | |
| 7/31/2012 9:23 | K | | 6107 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | K | | 6505 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | K | | 3656 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | K | | 4616 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | K | | 5041 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Mg | | 15020 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Mg | | 23420 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Mg | | 9159 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Mg | | 15520 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Mg | | 12440 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Mn | | 75.02 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Mn | | 124.3 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/14/2012 9:00 | Mn | | 110.6 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Mn | | 90.39 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Mn | | 75.2 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Mo | | 4.275 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Mo | | 4.05 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Mo | | 2.76 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Mo | | 3.21 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Mo | | 3.73 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Na | | 53080 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Na | | 75140 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Na | | 50540 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Na | | 72480 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Na | | 51770 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | NH3 | | 0.037 | mg/L | EPA-350.1 |
| 8/7/2012 9:20 | NH3 | | 0.059 | mg/L | EPA-350.1 |
| 8/14/2012 9:00 | NH3 | | 0.11 | mg/L | EPA-350.1 |
| 8/21/2012 9:05 | NH3 | | 0.025 | mg/L | EPA-350.1 |
| 8/29/2012 9:09 | NH3 | | 0.0215 | mg/L | EPA-350.1 |
| | | | | | |
| 7/31/2012 9:23 | Ni | j | 1.995 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Ni | j | 1.6 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Ni | j | 0.95 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Ni | j | 0.93 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Ni | j | 1.425 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | NO2 | j | 0.006 | mg/L | SM 4500-NO2-B |
| 8/7/2012 9:20 | NO2 | j | 0.006 | mg/L | SM 4500-NO2-B |
| 8/14/2012 9:00 | NO2 | | 0.02 | mg/L | SM 4500-NO2-B |
| 8/21/2012 9:05 | NO2 | j | 0.005 | mg/L | SM 4500-NO2-B |
| | | | | | |
| 7/31/2012 9:23 | NO3 | | 0.475 | mg/L | EPA 353.2 |
| 8/7/2012 9:20 | NO3 | | 0.116 | mg/L | EPA 353.2 |
| 8/14/2012 9:00 | NO3 | | 0.704 | mg/L | EPA 353.2 |
| 8/21/2012 9:05 | NO3 | | 0.119 | mg/L | EPA 353.2 |
| 8/29/2012 9:09 | NO3 | | 0.417 | mg/L | EPA 353.2 |
| | | | | | |
| 7/31/2012 9:23 | NO3+NO2 | | 0.481 | mg/L | EPA 353.2 |
| 8/7/2012 9:20 | NO3+NO2 | | 0.122 | mg/L | EPA 353.2 |
| 8/14/2012 9:00 | NO3+NO2 | | 0.724 | mg/L | EPA 353.2 |
| 8/21/2012 9:05 | NO3+NO2 | | 0.124 | mg/L | EPA 353.2 |
| 8/29/2012 9:09 | NO3+NO2 | | 0.429 | mg/L | EPA 353.2 |
| | | | | | |
| 7/31/2012 9:23 | Pb | < | 0.39 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/7/2012 9:20 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Pb | j | 0.81 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Pb | < | 0.39 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | pH | | 7.86 | S.U. | |
| 8/7/2012 9:20 | pH | | 7.89 | S.U. | |
| 8/14/2012 9:00 | pH | | 7.79 | S.U. | |
| 8/21/2012 9:05 | pH | | 7.68 | S.U. | |
| 8/29/2012 9:09 | pH | | 7.72 | S.U. | |
| | | | | | |
| 7/31/2012 9:23 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Sb | < | 0.61 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Se | j | 1.87 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Se | j | 1.11 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Se | < | 0.63 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Se | j | 1.32 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Se | j | 1.6 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Sn | < | 18.4 | ug/L | EPA-200.7 |
| | | | | | |
| 7/31/2012 9:23 | SO4 | | 63.85 | mg/L | EPA 300.0 |
| 8/7/2012 9:20 | SO4 | | 59.29 | mg/L | EPA 300.0 |
| 8/14/2012 9:00 | SO4 | | 42.54 | mg/L | EPA 300.0 |
| 8/21/2012 9:05 | SO4 | | 45.34 | mg/L | EPA 300.0 |
| 8/29/2012 9:09 | SO4 | | 47.53 | mg/L | EPA 300.0 |
| | | | | | |
| 7/31/2012 9:23 | TDS | | 432 | mg/L | SM2540C |
| 8/7/2012 9:20 | TDS | | 598 | mg/L | SM2540C |
| 8/14/2012 9:00 | TDS | | 326 | mg/L | SM2540C |
| 8/21/2012 9:05 | TDS | | 470 | mg/L | SM2540C |
| 8/29/2012 9:09 | TDS | | 342 | mg/L | SM2540C |
| | | | | | |
| 7/31/2012 9:23 | Ti | j | 1.175 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Ti | j | 1.51 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Ti | | 6.54 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Ti | j | 0.78 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Ti | j | 1 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 7/31/2012 9:23 | Tl | j | 2.405 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Tl | j | 1.59 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Tl | < | 1.11 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | Tl | j | 1.45 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Tl | < | 1.11 | ug/L | EPA-200.7 |
| 7/31/2012 9:23 | TMET | < | 10 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | TMET | | 12.7 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | TMET | | 48.1 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | TMET | < | 10 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | TMET | < | 10 | ug/L | EPA-200.7 |
| 7/31/2012 9:23 | Total-P | | 0.13 | mg/L | EPA 365.1 |
| 8/7/2012 9:20 | Total-P | | 0.18 | mg/L | EPA 365.1 |
| 8/14/2012 9:00 | Total-P | | 0.126 | mg/L | EPA 365.1 |
| 8/21/2012 9:05 | Total-P | | 0.116 | mg/L | EPA 365.1 |
| 8/29/2012 9:09 | Total-P | | 0.1085 | mg/L | EPA 365.1 |
| 7/31/2012 9:23 | TS | | 454 | mg/L | SM2540B |
| 8/7/2012 9:20 | TS | | 630 | mg/L | SM2540B |
| 8/14/2012 9:00 | TS | | 364 | mg/L | SM2540B |
| 8/21/2012 9:05 | TS | | 494 | mg/L | SM2540B |
| 8/29/2012 9:09 | TS | | 382 | mg/L | SM2540B |
| 7/31/2012 9:23 | TSS | | 4.1 | mg/L | SM2540D |
| 8/7/2012 9:20 | TSS | | 9.6 | mg/L | SM2540D |
| 8/14/2012 9:00 | TSS | | 33.8 | mg/L | SM2540D |
| 8/21/2012 9:05 | TSS | | 6.2 | mg/L | SM2540D |
| 8/29/2012 9:09 | TSS | | 3.35 | mg/L | SM2540D |
| 7/31/2012 9:23 | Turbidity | | 4.63 | NTU | EPA 180.1 |
| 8/7/2012 9:20 | Turbidity | | 4.28 | NTU | EPA 180.1 |
| 8/14/2012 9:00 | Turbidity | | 23.7 | NTU | EPA 180.1 |
| 8/21/2012 9:05 | Turbidity | | 9.89 | NTU | EPA 180.1 |
| 8/29/2012 9:09 | Turbidity | | 5.065 | NTU | EPA 180.1 |
| 7/31/2012 9:23 | V | j | 0.54 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | V | j | 0.43 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | V | | 1.06 | ug/L | EPA-200.7 |
| 8/21/2012 9:05 | V | j | 0.36 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | V | < | 0.15 | ug/L | EPA-200.7 |
| 7/31/2012 9:23 | Zn | j | 2.455 | ug/L | EPA-200.7 |
| 8/7/2012 9:20 | Zn | j | 8.42 | ug/L | EPA-200.7 |
| 8/14/2012 9:00 | Zn | | 42.54 | ug/L | EPA-200.7 |

| Plum Creek River Mile 0.30 Sample Date | Parameter | Code | Result | Units | Method |
|---|---|---|---|---|---|
| 8/21/2012 9:05 | Zn | j | 4.85 | ug/L | EPA-200.7 |
| 8/29/2012 9:09 | Zn | j | 3.275 | ug/L | EPA-200.7 |

Codes

j = Result is greater than the method detection limit (MDL), but less than the practical quantitation limit (PQL)

< = Result is less than the method detection limit (MDL)

EC = Estimated countodes