

Volunteer Stream Monitoring Data 2004

Thompson Creek at Gate

Pygmy or Mini meters were used to determine flow.

| Date | | | 1/3/2004 | 1/16/2004 | 1/31/2004 | 2/9/2004 | 2/18/2004 | 2/25/2004 | 3/9/2004 | 3/26/2004 | 4/8/2004 | 4/21/2004 |
|------------------------|--|--|------------|-----------|-----------|-------------|----------------|-----------|----------|-----------|----------|-----------|
| Time | | | 12:35 PM | 10:25 AM | 12:15 PM | 12:35 PM | 11:00 AM | 2:40 PM | 1:05 PM | 10:25 AM | 1:30 PM | 11:30 AM |
| Weather | | | Light snow | Cold,fog | Cloudy | Cloudy,cold | Storm event | Overcast | Cloudy | Cloudy | Cloudy | Cloudy |
| Water Sample Collected | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dissolved Oxygen: | | | | | | | | | | | | |
| %Saturation | | | 86.5 | 102.2 | 105.7 | 96.7 | NA | 107.9 | 106.6 | 100.4 | 93.3 | 99.7 |
| mg/L | | | 12.64 | 14.59 | 9.63 | 13.97 | NA | 14.78 | 14.53 | 12.96 | 11.67 | 12.78 |
| Water Temperature: | | | | | | | | | | | | |
| Centigrade | | | 0.0 | 0.9 | 1.2 | 0.4 | NA | 2.3 | 2.6 | 4.6 | 5.8 | 4.9 |
| Fahrenheit | | | 32.0 | 33.6 | 34.1 | 32.7 | NA | 36.1 | 36.7 | 40.3 | 42.5 | 40.8 |
| Flow: | | | | | | | | | | | | |
| Cubic Feet/Second | | | 1.240 | 1.698 | 2.981 | 1.723 | 6.250 | 3.673 | 5.576 | 12.791 | 16.823 | 13.896 |
| Staff Gauge (ft.) | | | 0.46 | 0.45 | 0.50 | 0.45 | 0.62 | 0.53 | 0.60 | 0.80 | 0.80 | 0.74 |
| Crest Gauge (ft.) | | | NA | NA | 0.67 | NA | 0.66 | NA | 1.00 | 0.88 | 1.14 | 1.20 |

| 5/7/2004 | 5/19/2004 | 5/20/2004 | 5/22/2004 | 5/26/2004 | 6/2/2004 | 6/16/2004 | 7/2/2004 | 7/20/2004 | 8/7/2004 | 8/17/2004 | 8/24/2004 | 8/25/2004 | 8/30/2004 |
|----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|
| | | | | | | | | | | | | | |
| 11:10 AM | 11:10 AM | 6:30 PM | 10:30 AM | 9:00 PM | 1:20 PM | 9:50 AM | 9:40 AM | 10:00 AM | 9:00 AM | 12:30 PM | 5:40 PM | 6:35 PM | 10:00 AM |
| | | | | | | | | | | | | | |
| Clear | Cloudy | Storm | Storm | Storm | Sun | Clear | Clear | Ptly Cldy | Cloudy | Ptly Cldy | Storm | Storm | Clear |
| | | event | event | event | | | | | | | Event | Event | |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 98.4 | 91.0 | NA | NA | NA | 94.8 | 91.0 | 93.6 | 86.9 | 86.9 | 86.7 | NA | NA | 88.9 |
| 11.91 | 10.58 | NA | NA | NA | 10.94 | 11.10 | 10.18 | 9.18 | 9.46 | 8.72 | NA | NA | 9.77 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 7.2 | 8.8 | NA | NA | NA | 9.0 | 6.9 | 11.6 | 13.1 | 11.6 | 15.4 | NA | NA | 11.2 |
| 44.9 | 47.8 | NA | NA | NA | 48.2 | 44.4 | 52.9 | 55.5 | 52.9 | 59.6 | NA | NA | 52.2 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 8.341 | 5.057 | 14.000 | 10.500 | 27.600 | 7.233 | 5.535 | 3.993 | 2.317 | 2.415 | 1.003 | 13.894 | 3.400 | 1.276 |
| 0.66 | 0.59 | 0.76 | 0.69 | 0.97 | 0.64 | 0.59 | 0.51 | 0.46 | 0.46 | 0.39 | 0.74 | 0.52 | 0.40 |
| 1.10 | 0.76 | 0.82 | 1.00 | 0.97 | 1.00 | NA | 0.60 | 0.62 | 0.62 | NA | 0.77 | 0.77 | 0.70 |

| | | | | | | | | | | | | | |
|-----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|
| 9/15/2004 | 9/17/2004 | 9/30/2004 | 10/15/2004 | 10/18/2004 | 10/21/2004 | 10/22/2004 | 10/28/2004 | 11/2/2004 | 11/7/2004 | 11/24/2004 | 11/27/2004 | 12/8/2004 | 12/10/2004 |
| 5:00 PM | 10:40 AM | 9:30 AM | 10:20 AM | AM | 4:00 PM | PM | 10:30 AM | 5:00 PM | 11:15 AM | 9:10 AM | 9:50 AM | 10:45AM | 10:00 AM |
| Storm | Rain | Clear | Ptly Cldy | Storm | Storm | Storm | Clear | Storm | Overcast | Storm | Snow | Storm | Cloudy |
| Event | | | | Event | Event | Event | | Event | | Event | | Event | |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | | | | | | | | | | | | | |
| NA | 88.6 | 86.8 | 82.2 | NA | NA | NA | 87.8 | NA | 81.53 | NA | 99.4 | NA | 93.3 |
| NA | 10.16 | 10.06 | 9.92 | NA | NA | NA | 7.35 | NA | 10.36 | NA | 13.6 | NA | 12.87 |
| | | | | | | | | | | | | | |
| NA | 9.3 | 8.8 | 7.3 | NA | NA | NA | 2.9 | NA | 5.2 | NA | 2.4 | NA | 2.2 |
| NA | 4.8 | 47.9 | 45.2 | NA | NA | NA | 37.3 | NA | 41.3 | NA | 36.3 | NA | 36.0 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.200 | 1.620 | 1.036 | 0.972 | 4.400 | 3.100 | 3.800 | 2.112 | 10.800 | 2.464 | 10.600 | 4.665 | 3.673 | 7.361 |
| 0.52 | 0.45 | 0.40 | 0.40 | 0.56 | 0.51 | 0.54 | 0.46 | 0.69 | 0.48 | 0.68 | 0.57 | 0.53 | 0.64 |
| 0.85 | 0.56 | 0.60 | 0.62 | 0.68 | 0.60 | 0.60 | 0.65 | 0.79 | 0.72 | 0.70 | 0.74 | 0.77 | 0.68 |