# 0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY

Southeastern Lake Ontario Basin
Irondequoit-Ninemile Subbasin

LOCATION.--Lat 43°08′42″, long 77°30′43″ referenced to North American Datum of 1983, Monroe County, NY, Hydrologic Unit 04140101, on right bank 4,000 ft upstream from bridge on Blossom Road, 1.8 mi east of Rochester, 1.7 mi downstream from Allen Creek, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--142 $mi^2$ of which 7.78 $mi^2$ probably is noncontributing.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1977-80. December 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 247.87 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1991, at site 0.8 mi downstream at datum 1.56 ft lower.

COOPERATION.--Discharge measurements were provided by the Monroe County Department of Environmental Services. Prior to 2003, discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Discharge includes undetermined diversion from Erie (Barge) Canal. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 $ft^3/s$, Jan. 8, 1998, gage height, 9.95 ft; minimum discharge, 25 $ft^3/s$, Sept. 8, 9, 10, 14, 2002, gage height, 2.14 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 $ft^3/s$ and (or) maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| Dec 1 | 2030 | 1,720 | 9.12 |
| Feb 18 | 2000 | 906 | 8.33 |
| Apr 20 | 0915 | *2,290 | *9.45 |
| Apr 28 | 0100 | 1,700 | 9.11 |

Minimum discharge, 37 $ft^3/s$, Feb. 1, 11, gage height, 2.37 ft, result of freeze up.



Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 0423205010, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/0423205010.2011.pdf

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY MEAN VALUES**
[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 205 | 67 | 1,190 | 226 | e68 | 487 | 172 | 202 | 134 | 56 | 55 | 52 |
| 2 | 93 | 65 | 1,010 | 253 | 73 | 350 | 159 | 207 | 115 | 54 | 49 | 49 |
| 3 | 64 | 63 | 438 | 175 | 71 | 206 | 133 | 383 | 112 | 52 | 60 | 48 |
| 4 | 64 | 65 | 257 | 131 | 69 | 182 | 225 | 522 | 113 | 49 | 66 | 58 |
| 5 | 163 | 120 | 197 | 117 | 70 | 357 | 319 | 314 | 114 | 47 | 51 | 277 |
| 6 | 198 | 135 | 180 | 104 | 77 | 793 | 238 | 216 | 103 | 45 | 48 | 162 |
| 7 | 264 | 107 | 171 | 106 | 76 | 508 | 176 | 179 | 92 | 46 | 76 | 105 |
| 8 | 138 | 92 | 161 | 93 | 77 | 323 | 145 | 158 | 83 | 46 | 70 | e66 |
| 9 | 94 | 80 | 153 | 89 | e75 | 295 | 129 | 141 | 78 | 45 | 193 | e57 |
| 10 | 72 | 74 | 139 | 82 | e79 | 707 | 120 | 130 | 72 | 44 | 152 | e54 |
| 11 | 65 | 69 | 149 | 82 | e71 | 817 | 117 | 123 | 72 | 43 | 103 | e51 |
| 12 | 77 | 67 | 211 | 79 | 77 | 526 | 111 | 116 | 75 | 43 | 64 | e52 |
| 13 | 65 | 65 | 289 | 75 | 76 | 376 | 382 | 112 | 72 | 42 | 104 | e49 |
| 14 | 64 | 65 | 190 | e78 | 145 | 291 | 308 | 125 | 72 | 41 | 310 | e49 |
| 15 | 110 | 79 | 161 | e75 | 159 | 244 | 187 | 309 | 68 | 41 | 242 | 103 |
| 16 | 135 | 94 | 147 | e71 | 143 | 241 | 214 | 564 | 67 | 41 | 127 | 66 |
| 17 | 96 | 372 | 138 | 67 | 152 | 218 | 214 | 342 | 68 | 40 | 78 | 55 |
| 18 | 75 | 207 | 131 | 89 | 571 | 197 | 181 | 272 | 66 | 48 | 61 | 51 |
| 19 | 66 | 155 | 123 | 115 | 739 | 167 | 164 | 233 | 60 | 48 | 55 | 50 |
| 20 | 62 | 129 | 120 | 103 | 360 | 145 | 1,620 | 267 | 57 | 43 | 49 | 66 |
| 21 | 73 | 114 | 116 | 96 | 223 | 241 | 728 | 209 | 56 | 41 | 217 | 55 |
| 22 | 69 | 119 | 111 | 81 | 177 | 240 | 338 | 165 | 111 | 39 | 152 | 56 |
| 23 | 64 | 182 | 106 | 78 | 147 | 190 | 603 | 150 | 115 | 41 | 88 | 53 |
| 24 | 74 | 145 | 102 | 70 | 135 | 196 | 511 | 154 | 109 | 57 | 60 | 51 |
| 25 | 79 | 119 | 99 | e71 | 133 | 204 | 373 | 134 | 105 | 47 | 246 | 48 |
| 26 | 93 | 132 | 94 | e73 | 123 | 172 | 686 | 149 | 85 | 47 | 114 | 47 |
| 27 | 106 | 123 | 83 | e77 | 130 | 155 | 725 | 156 | 73 | 45 | 85 | 45 |
| 28 | 82 | 108 | 89 | e75 | 401 | 138 | 1,010 | 383 | 76 | 44 | 69 | 289 |
| 29 | 87 | 102 | 85 | e73 | --- | 133 | 405 | 228 | 76 | 221 | 58 | 319 |
| 30 | 79 | 139 | 77 | e68 | --- | 132 | 250 | 293 | 62 | 99 | 52 | 143 |
| 31 | 68 | --- | 102 | e68 | --- | 161 | --- | 173 | --- | 72 | 49 | --- |
| Total | 3,044 | 3,453 | 6,619 | 3,040 | 4,697 | 9,392 | 10,943 | 7,109 | 2,561 | 1,667 | 3,203 | 2,626 |
| Mean | 98.2 | 115 | 214 | 98.1 | 168 | 303 | 365 | 229 | 85.4 | 53.8 | 103 | 87.5 |
| Max | 264 | 372 | 1,190 | 253 | 739 | 817 | 1,620 | 564 | 134 | 221 | 310 | 319 |
| Min | 62 | 63 | 77 | 67 | 68 | 132 | 111 | 112 | 56 | 39 | 48 | 45 |
| Cfsm | 0.73 | 0.86 | 1.59 | 0.73 | 1.25 | 2.26 | 2.72 | 1.71 | 0.64 | 0.40 | 0.77 | 0.65 |
| In. | 0.84 | 0.96 | 1.83 | 0.84 | 1.30 | 2.60 | 3.03 | 1.97 | 0.71 | 0.46 | 0.89 | 0.73 |

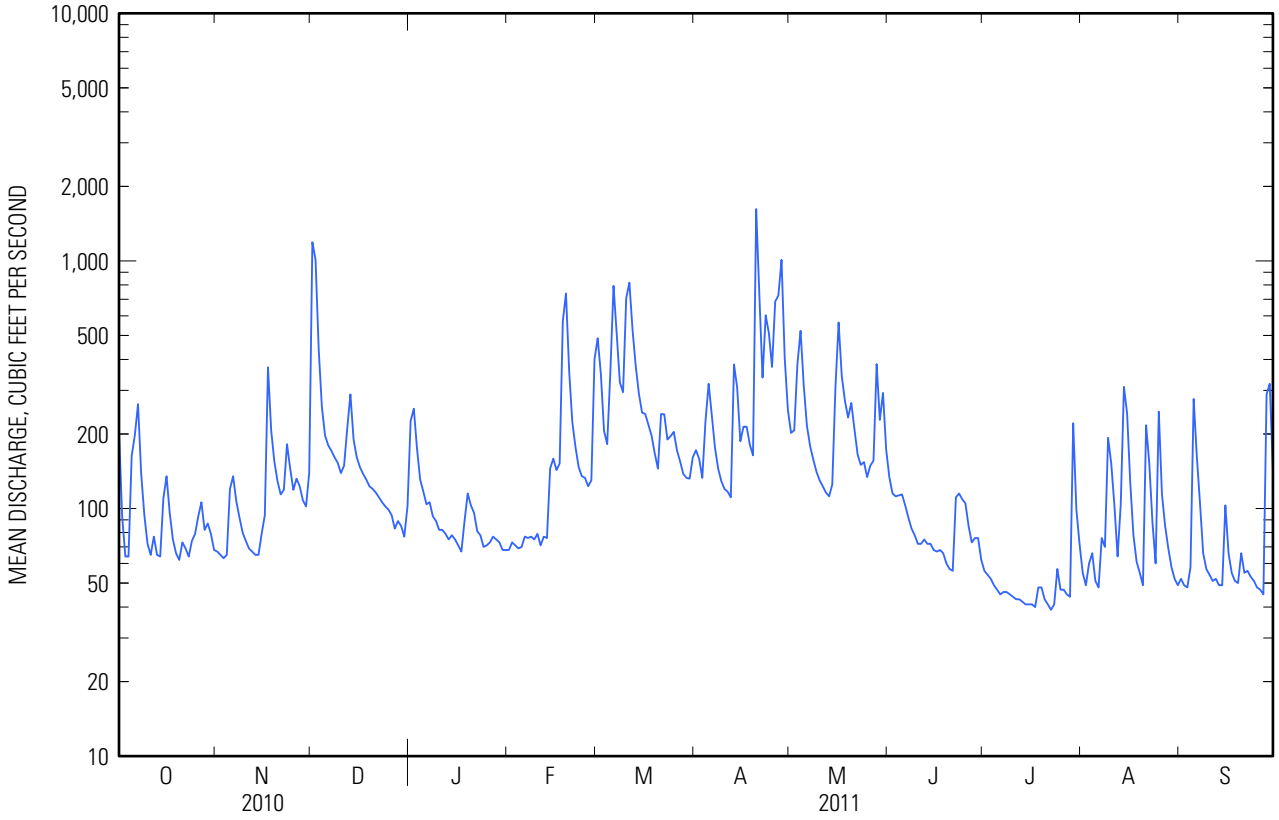
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2011, BY WATER YEAR (WY)**

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 89.2 | 118 | 152 | 146 | 173 | 240 | 231 | 146 | 99.4 | 81.2 | 78.3 | 79.7 |
| Max | 204 | 224 | 253 | 446 | 347 | 400 | 468 | 292 | 186 | 217 | 253 | 305 |
| (WY) | (2007) | (1986) | (1997) | (1998) | (1981) | (2007) | (1993) | (1984) | (1989) | (2006) | (1992) | (2004) |
| Min | 39.5 | 52.3 | 49.5 | 60.8 | 67.1 | 122 | 82.8 | 62.1 | 46.9 | 42.2 | 35.8 | 39.8 |
| (WY) | (1983) | (2002) | (1990) | (1989) | (1989) | (1988) | (1995) | (1995) | (1988) | (1983) | (2002) | (1995) |

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**SUMMARY STATISTICS**

| | Calendar Year 2010 | | Water Year 2011 | | Water Years 1981 - 2011 | |
|---|---|---|---|---|---|---|
| **Annual total** | 47,977 | | 58,354 | | | |
| **Annual mean** | 131 | | 160 | | 137 | |
| **Highest annual mean** | | | | | 183 | 2004 |
| **Lowest annual mean** | | | | | 80.1 | 1995 |
| **Highest daily mean** | 1,190 | Dec 1 | 1,620 | Apr 20 | 2,620 | Jan 8, 1998 |
| **Lowest daily mean** | 42 | Sep 2 | 39 | Jul 22 | 25 | Sep 9, 2002 |
| **Annual seven-day minimum** | 44 | Aug 31 | 42 | Jul 11 | 27 | Sep 4, 2002 |
| **Annual runoff (cfsm)** | 0.979 | | 1.19 | | 1.02 | |
| **Annual runoff (inches)** | 13.30 | | 16.17 | | 13.84 | |
| **10 percent exceeds** | 214 | | 316 | | 265 | |
| **50 percent exceeds** | 99 | | 106 | | 92 | |
| **90 percent exceeds** | 49 | | 51 | | 46 | |



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## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980-81, 1983 to current year.
CHEMICAL DATA: Water years 1980-81 (e), 1983 to 2005 (e), 2006-10 (d), 2011 (c).
NUTRIENT DATA: Water years 1980-81 (e), 1983 to 2005 (e), 2006-10 (d), 2011 (c).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to September 2001 and October 2004 to current year.

INSTRUMENTATION.--Automatic water sampler since October 1983. Water temperature recorder since November 1994 provides 15-minute-interval readings.

REMARKS.--Records for October 1983 to September 1993 are published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587. Prior to October 1983, unpublished records are available in the files of the U.S. Geological Survey. No data August 26 to September 12 due to equipment malfunction.

COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 27.0°C, Jul. 5, 6, 1999; minimum 0.0°C, on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 25.3°C, Jul. 21; minimum 0.0°C, on Feb. 10, 16, 22, 26, Mar. 3.

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**TEMPERATURE, WATER, DEGREES CELSIUS**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | October | | | November | | | December | | | January | |
| 1 | 16.0 | 14.9 | 15.6 | 8.2 | 7.1 | 7.8 | 8.9 | 5.4 | 7.2 | 4.1 | 3.2 | 3.6 |
| 2 | 14.9 | 13.6 | 14.2 | 8.0 | 6.6 | 7.2 | 5.4 | 3.9 | 4.4 | 4.0 | 1.7 | 2.9 |
| 3 | 13.8 | 12.7 | 13.3 | 7.9 | 6.0 | 7.0 | 4.0 | 3.5 | 3.8 | 1.7 | 1.2 | 1.4 |
| 4 | 12.7 | 12.1 | 12.3 | 8.1 | 7.0 | 7.6 | 4.0 | 3.3 | 3.6 | 2.4 | 1.3 | 1.9 |
| 5 | 12.8 | 12.2 | 12.5 | 8.5 | 7.9 | 8.3 | 3.3 | 1.8 | 2.7 | 2.3 | 1.4 | 2.0 |
| 6 | 13.2 | 12.5 | 12.9 | 8.0 | 6.9 | 7.6 | 2.3 | 1.7 | 2.0 | 1.5 | 0.7 | 1.2 |
| 7 | 14.2 | 13.1 | 13.6 | 7.0 | 5.8 | 6.5 | 1.8 | 1.4 | 1.6 | 1.5 | 0.8 | 1.2 |
| 8 | 14.3 | 12.5 | 13.3 | 7.0 | 5.7 | 6.4 | 1.6 | 1.1 | 1.3 | 1.4 | 0.7 | 0.9 |
| 9 | 13.9 | 12.2 | 13.3 | 7.3 | 6.4 | 6.8 | 1.2 | 0.3 | 0.8 | 1.3 | 0.6 | 0.9 |
| 10 | 12.7 | 10.6 | 11.8 | 7.8 | 6.6 | 7.2 | 2.0 | 0.2 | 1.0 | 0.9 | 0.1 | 0.6 |
| 11 | 13.0 | 11.6 | 12.3 | 7.4 | 5.6 | 6.5 | 3.3 | 2.0 | 2.6 | 1.3 | 0.4 | 1.0 |
| 12 | 13.0 | 11.3 | 12.3 | 7.1 | 5.4 | 6.3 | 3.9 | 2.8 | 3.4 | 0.4 | 0.1 | 0.2 |
| 13 | 11.8 | 9.9 | 10.9 | 7.0 | 5.3 | 6.2 | 3.8 | 0.6 | 2.5 | 0.4 | 0.1 | 0.2 |
| 14 | 11.4 | 11.0 | 11.2 | 7.8 | 5.9 | 6.8 | 0.6 | 0.1 | 0.3 | 0.9 | 0.1 | 0.4 |
| 15 | 11.2 | 10.8 | 11.0 | 8.2 | 7.1 | 7.6 | 0.8 | 0.1 | 0.5 | 0.6 | 0.1 | 0.3 |
| 16 | 11.6 | 10.6 | 11.0 | 8.6 | 6.4 | 7.3 | 1.5 | 0.6 | 1.0 | 0.7 | 0.1 | 0.3 |
| 17 | 12.0 | 10.3 | 11.0 | 9.0 | 8.0 | 8.7 | 2.2 | 1.1 | 1.6 | 0.3 | 0.1 | 0.2 |
| 18 | 11.2 | 10.0 | 10.6 | 8.0 | 7.0 | 7.5 | 2.1 | 1.3 | 1.8 | 0.9 | 0.1 | 0.6 |
| 19 | 10.8 | 9.6 | 10.2 | 7.0 | 6.2 | 6.6 | 1.9 | 1.1 | 1.4 | 1.1 | 0.8 | 0.9 |
| 20 | 10.9 | 9.0 | 10.0 | 6.9 | 6.1 | 6.5 | 2.1 | 1.5 | 1.8 | 0.9 | 0.1 | 0.5 |
| 21 | 11.1 | 9.9 | 10.5 | 6.5 | 5.6 | 6.1 | 2.2 | 1.7 | 1.9 | 0.8 | 0.1 | 0.3 |
| 22 | 9.9 | 9.1 | 9.4 | 8.6 | 6.3 | 7.4 | 1.9 | 1.6 | 1.8 | 0.4 | 0.1 | 0.2 |
| 23 | 10.6 | 9.0 | 9.8 | 10.1 | 8.6 | 9.3 | 1.9 | 1.5 | 1.7 | 0.4 | 0.1 | 0.2 |
| 24 | 11.9 | 10.6 | 11.2 | 8.7 | 6.4 | 7.4 | 2.1 | 1.5 | 1.7 | 0.4 | 0.1 | 0.3 |
| 25 | 12.5 | 11.5 | 11.9 | 6.4 | 5.5 | 5.8 | 1.9 | 1.6 | 1.7 | 0.5 | 0.2 | 0.4 |
| 26 | 13.7 | 11.8 | 12.8 | 6.3 | 5.2 | 5.9 | 1.7 | 0.6 | 1.3 | 0.9 | 0.4 | 0.7 |
| 27 | 13.9 | 12.7 | 13.3 | 5.2 | 4.4 | 4.7 | 0.7 | 0.2 | 0.5 | 1.3 | 0.7 | 0.9 |
| 28 | 12.9 | 11.2 | 12.0 | 5.0 | 4.3 | 4.6 | 1.6 | 0.5 | 1.1 | 1.9 | 0.9 | 1.4 |
| 29 | 11.2 | 9.6 | 10.5 | 4.6 | 3.4 | 4.1 | 2.1 | 1.3 | 1.7 | 2.0 | 1.4 | 1.6 |
| 30 | 10.0 | 8.7 | 9.4 | 7.3 | 4.2 | 5.3 | 2.1 | 0.4 | 1.4 | 1.9 | 1.1 | 1.5 |
| 31 | 9.7 | 8.2 | 9.2 | --- | --- | --- | 4.0 | 2.1 | 3.0 | 1.1 | 0.2 | 0.5 |
| Month | 16.0 | 8.2 | 11.7 | 10.1 | 3.4 | 6.8 | 8.9 | 0.1 | 2.0 | 4.1 | 0.1 | 0.9 |

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**TEMPERATURE, WATER, DEGREES CELSIUS**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | February | | | March | | | April | | | May | |
| 1 | 0.4 | 0.1 | 0.2 | 1.9 | 0.5 | 1.1 | 6.1 | 5.5 | 5.8 | 13.3 | 11.9 | 12.7 |
| 2 | 0.3 | 0.1 | 0.2 | 1.8 | 0.5 | 1.2 | 6.9 | 4.9 | 5.9 | 13.0 | 12.4 | 12.7 |
| 3 | 0.5 | 0.1 | 0.2 | 1.7 | 0.0 | 0.7 | 8.0 | 5.3 | 6.7 | 12.4 | 9.8 | 11.0 |
| 4 | 0.4 | 0.1 | 0.2 | 2.3 | 0.3 | 1.3 | 9.0 | 6.9 | 7.7 | 9.9 | 9.3 | 9.5 |
| 5 | 0.4 | 0.1 | 0.2 | 3.4 | 2.1 | 2.8 | 9.1 | 6.7 | 8.1 | 12.3 | 8.8 | 10.4 |
| 6 | 0.7 | 0.2 | 0.5 | 2.9 | 0.7 | 1.6 | 6.7 | 5.5 | 6.1 | 13.1 | 10.4 | 11.7 |
| 7 | 1.1 | 0.6 | 0.8 | 2.3 | 0.5 | 1.3 | 8.4 | 5.2 | 6.7 | 13.8 | 11.5 | 12.6 |
| 8 | 0.7 | 0.1 | 0.4 | 2.9 | 1.0 | 1.9 | 8.2 | 6.6 | 7.4 | 15.1 | 11.4 | 13.1 |
| 9 | 0.5 | 0.1 | 0.2 | 2.4 | 1.9 | 2.1 | 10.7 | 6.3 | 8.4 | 15.5 | 11.8 | 13.6 |
| 10 | 0.4 | 0.0 | 0.2 | 3.4 | 2.3 | 2.9 | 11.0 | 8.9 | 9.9 | 14.8 | 11.8 | 13.4 |
| 11 | 0.3 | 0.1 | 0.2 | 4.0 | 3.3 | 3.6 | 14.1 | 10.6 | 12.2 | 16.0 | 11.7 | 13.8 |
| 12 | 0.6 | 0.1 | 0.3 | 4.0 | 3.1 | 3.6 | 13.1 | 11.3 | 12.2 | 17.0 | 13.1 | 15.0 |
| 13 | 1.0 | 0.1 | 0.5 | 3.9 | 3.5 | 3.7 | 11.6 | 9.1 | 10 | 19.1 | 15.1 | 16.9 |
| 14 | 1.1 | 0.6 | 0.9 | 3.9 | 3.0 | 3.5 | 10.6 | 8.3 | 9.4 | 17.8 | 16.0 | 16.9 |
| 15 | 1.0 | 0.1 | 0.4 | 5.0 | 2.4 | 3.7 | 10.6 | 8.2 | 9.4 | 16.0 | 11.6 | 13.8 |
| 16 | 1.3 | 0.0 | 0.7 | 5.6 | 4.9 | 5.2 | 9.3 | 8.2 | 8.5 | 11.6 | 10.9 | 11.2 |
| 17 | 2.8 | 0.9 | 1.7 | 7.4 | 4.3 | 5.8 | 8.7 | 7.6 | 8.1 | 11.0 | 10.6 | 10.8 |
| 18 | 2.7 | 1.6 | 2.3 | 10.2 | 7.4 | 8.8 | 7.6 | 6.4 | 6.8 | 13.9 | 10.8 | 12.2 |
| 19 | 1.6 | 0.1 | 0.6 | 9.2 | 6.5 | 7.9 | 6.6 | 5.8 | 6.3 | 15.5 | 13.9 | 14.7 |
| 20 | 1.4 | 0.1 | 0.6 | 6.8 | 4.8 | 5.9 | 8.0 | 5.9 | 7.0 | 16.2 | 14.7 | 15.3 |
| 21 | 0.7 | 0.1 | 0.3 | 6.5 | 5.8 | 6.2 | 7.9 | 7.3 | 7.6 | 17.8 | 14.9 | 16.3 |
| 22 | 0.7 | 0.0 | 0.2 | 6.7 | 5.9 | 6.2 | 8.3 | 6.3 | 7.3 | 17.0 | 16.2 | 16.6 |
| 23 | 0.7 | 0.1 | 0.3 | 6.1 | 3.0 | 4.5 | 10.3 | 7.4 | 8.5 | 17.6 | 15.6 | 16.7 |
| 24 | 1.4 | 0.1 | 0.6 | 4.7 | 2.4 | 3.4 | 10.8 | 10.2 | 10.5 | 18.3 | 16.6 | 17.3 |
| 25 | 1.4 | 0.1 | 0.7 | 3.7 | 2.7 | 3.3 | 10.5 | 9.6 | 10.1 | 18.0 | 15.5 | 16.7 |
| 26 | 1.6 | 0.0 | 0.7 | 4.0 | 2.0 | 3.0 | 12.0 | 9.8 | 10.7 | 18.2 | 16.5 | 17.3 |
| 27 | 2.8 | 0.9 | 1.8 | 4.8 | 2.3 | 3.4 | 16.3 | 12.0 | 13.8 | 17.4 | 14.5 | 16.0 |
| 28 | 2.5 | 1.2 | 2.0 | 5.1 | 2.3 | 3.6 | 16.9 | 15.4 | 16.0 | 16.4 | 14.2 | 15.3 |
| 29 | --- | --- | --- | 6.1 | 3.0 | 4.5 | 16.0 | 12.2 | 13.9 | 18.3 | 16.3 | 17.4 |
| 30 | --- | --- | --- | 7.1 | 4.0 | 5.5 | 14.1 | 10.9 | 12.5 | 19.9 | 18.0 | 18.9 |
| 31 | --- | --- | --- | 6.4 | 5.8 | 6.1 | --- | --- | --- | 21.1 | 18.4 | 19.7 |
| Month | 2.8 | 0.0 | 0.6 | 10.2 | 0.0 | 3.8 | 16.9 | 4.9 | 9.1 | 21.1 | 8.8 | 14.5 |

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**TEMPERATURE, WATER, DEGREES CELSIUS**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | June | | | July | | | August | | | September | |
| 1 | 21.5 | 19.5 | 20.3 | 19.8 | 16.4 | 18.1 | 22.8 | 20.7 | 21.7 | --- | --- | --- |
| 2 | 19.5 | 16.5 | 17.8 | 20.3 | 16.9 | 18.6 | 22.6 | 19.7 | 21.2 | --- | --- | --- |
| 3 | 17.6 | 14.9 | 16.3 | 22.0 | 19.0 | 20.4 | 21.3 | 20.0 | 20.4 | --- | --- | --- |
| 4 | 16.4 | 15.3 | 15.7 | 21.8 | 18.9 | 20.3 | 21.8 | 19.4 | 20.5 | --- | --- | --- |
| 5 | 18.1 | 15.2 | 16.5 | 21.5 | 18.1 | 19.8 | 21.8 | 19.1 | 20.4 | --- | --- | --- |
| 6 | 19.0 | 16.1 | 17.5 | 21.2 | 18.9 | 20.0 | 21.0 | 20.0 | 20.5 | --- | --- | --- |
| 7 | 20.2 | 16.9 | 18.4 | 21.3 | 19.0 | 20.1 | 22.8 | 19.9 | 20.9 | --- | --- | --- |
| 8 | 21.8 | 18.5 | 20.0 | 20.8 | 18.4 | 19.6 | 22.6 | 21.1 | 21.8 | --- | --- | --- |
| 9 | 21.8 | 20.0 | 20.7 | 21.1 | 18.1 | 19.6 | 21.3 | 19.8 | 20.6 | --- | --- | --- |
| 10 | 20.2 | 17.9 | 19.1 | 21.4 | 18.0 | 19.6 | 21.4 | 19.7 | 20.5 | --- | --- | --- |
| 11 | 19.1 | 17.2 | 18.2 | 21.8 | 19.1 | 20.4 | 20.7 | 18.7 | 19.4 | --- | --- | --- |
| 12 | 18.4 | 16.9 | 17.9 | 23.0 | 20.3 | 21.6 | 20.4 | 17.4 | 18.9 | --- | --- | --- |
| 13 | 18.4 | 16.0 | 17.1 | 22.1 | 20.0 | 21.0 | 21.5 | 18.2 | 19.7 | 19.7 | 17.4 | 18.5 |
| 14 | 16.9 | 15.6 | 16.2 | 21.4 | 18.3 | 19.9 | 21.4 | 20.0 | 20.6 | 18.7 | 17.3 | 17.9 |
| 15 | 18.3 | 14.5 | 16.3 | 21.2 | 17.5 | 19.4 | 20.4 | 19.7 | 20.0 | 17.3 | 15.1 | 16.2 |
| 16 | 18.1 | 15.9 | 16.9 | 21.9 | 17.9 | 19.8 | 21.5 | 19.5 | 20.4 | 15.1 | 13.9 | 14.6 |
| 17 | 18.6 | 16.7 | 17.6 | 22.8 | 19.0 | 20.9 | 20.9 | 19.1 | 20.1 | 14.4 | 13.1 | 13.7 |
| 18 | 20.0 | 16.9 | 18.3 | 22.9 | 20.4 | 21.6 | 20.8 | 19.0 | 19.9 | 14.6 | 12.4 | 13.5 |
| 19 | 19.5 | 17.0 | 18.2 | 23.1 | 20.8 | 21.8 | 21.0 | 18.9 | 19.9 | 14.8 | 12.7 | 13.8 |
| 20 | 19.4 | 16.2 | 17.8 | 23.1 | 20.3 | 21.7 | 21.5 | 18.8 | 20.1 | 16.1 | 14.4 | 15.2 |
| 21 | 20.0 | 17.1 | 18.5 | 25.3 | 21.1 | 23.2 | 21.3 | 19.7 | 20.4 | 16.8 | 14.4 | 15.6 |
| 22 | 19.7 | 18.3 | 18.9 | 25.2 | 22.8 | 24.0 | 20.4 | 18.3 | 19.3 | 17.6 | 16.3 | 16.8 |
| 23 | 20.8 | 18.6 | 19.6 | 25.1 | 22.4 | 23.8 | 19.6 | 17.2 | 18.4 | 17.5 | 16.2 | 16.9 |
| 24 | 20.1 | 19.0 | 19.5 | 24.5 | 22.3 | 23.5 | 19.2 | 17.7 | 18.4 | 17.8 | 16.7 | 17.2 |
| 25 | 19.0 | 18.0 | 18.5 | 22.5 | 20.8 | 21.4 | 20.6 | 18.6 | 19.9 | 18.0 | 16.0 | 17.0 |
| 26 | 18.1 | 17.3 | 17.7 | 22.1 | 19.7 | 20.8 | --- | --- | --- | 18.8 | 16.4 | 17.6 |
| 27 | 19.3 | 16.6 | 17.9 | 22.2 | 19.4 | 20.7 | --- | --- | --- | 18.2 | 17.4 | 17.8 |
| 28 | 20.4 | 18.0 | 19.0 | 20.6 | 19.4 | 19.9 | --- | --- | --- | 18.8 | 17.6 | 18.2 |
| 29 | 19.3 | 17.7 | 18.4 | 23.1 | 19.5 | 21.3 | --- | --- | --- | 18.7 | 17.1 | 17.9 |
| 30 | 19.7 | 16.7 | 18.1 | 23.0 | 20.6 | 21.7 | --- | --- | --- | 17.1 | 15.9 | 16.7 |
| 31 | --- | --- | --- | 22.4 | 20.1 | 21.1 | --- | --- | --- | --- | --- | --- |
| Month | 21.8 | 14.5 | 18.1 | 25.3 | 16.4 | 20.8 | --- | --- | --- | --- | --- | --- |

**0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued**

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
Part 1 of 2
[N, nitrogen; P, phosphorus; ft3/s, cubic feet per second; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

| Begin date | Begin time | End date | End time | Discharge, ft3/s (00060) | Discharge, instantaneous, ft³/s (00061) | pH, water, unfiltered, field, standard units (00400) | Specific conductance, water, unfiltered, µS/cm at 25°C (00095) | Temperature, water, °C (00010) | Suspended solids, water, unfiltered, mg/L (00530) | Chloride, water, filtered, mg/L (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| **11-30-2010** | **1130** | **12-06-2010** | **0929** | 548 | -- | -- | -- | -- | 110 | 108 |
| **02-18-2011** | **1120** | **02-18-2011** | **1520** | 650 | -- | -- | -- | -- | 129 | 330 |
| **02-20-2011** | **0320** | **02-20-2011** | **0720** | 417 | -- | -- | -- | -- | 26 | 181 |
| **02-28-2011** | **1205** | **02-28-2011** | **1205** | -- | 484 | -- | -- | -- | 164 | 476 |
| **03-02-2011** | **0640** | **03-02-2011** | **0640** | -- | 393 | -- | -- | -- | 39 | 238 |
| **03-05-2011** | **2300** | **03-05-2011** | **2300** | -- | 723 | -- | -- | -- | 312 | 214 |
| **03-07-2011** | **1000** | **03-07-2011** | **1000** | -- | 502 | -- | -- | -- | 76 | 198 |
| **05-31-2011** | **1410** | **05-31-2011** | **1410** | -- | 170 | -- | -- | -- | 17 | 137 |
| **07-20-2011** | **1145** | **--** | **--** | -- | 42 | 7.1 | 1,300 | 21.2 | -- | -- |

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
Part 2 of 2
[N, nitrogen; P, phosphorus; ft3/s, cubic feet per second; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

| Begin date | Begin time | End date | End time | Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625) | Ammonia, water, filtered, mg/L as N (00608) | Nitrate plus nitrite, water, filtered, mg/L as N (00631) | Nitrate plus nitrite, water, unfiltered, mg/L as N (00630) | Nitrite, water, filtered, mg/L as N (00613) | Orthophosphate, water, filtered, mg/L as P (00671) | Phosphorus, water, unfiltered, mg/L as P (00665) |
|---|---|---|---|---|---|---|---|---|---|---|
| **11-30-2010** | **1130** | **12-06-2010** | **0929** | 0.62 | 0.042 | -- | 0.765 | -- | 0.019 | 0.139 |
| **02-18-2011** | **1120** | **02-18-2011** | **1520** | 1.3 | .066 | -- | 1.15 | -- | .021 | .345 |
| **02-20-2011** | **0320** | **02-20-2011** | **0720** | .56 | .040 | -- | 1.13 | -- | .025 | .096 |
| **02-28-2011** | **1205** | **02-28-2011** | **1205** | .87 | .099 | -- | 1.10 | -- | .024 | .258 |
| **03-02-2011** | **0640** | **03-02-2011** | **0640** | .53 | .031 | -- | 1.17 | -- | .029 | .111 |
| **03-05-2011** | **2300** | **03-05-2011** | **2300** | .96 | .029 | -- | 1.02 | -- | .037 | .239 |
| **03-07-2011** | **1000** | **03-07-2011** | **1000** | .73 | .032 | -- | 1.16 | -- | .035 | .133 |
| **05-31-2011** | **1410** | **05-31-2011** | **1410** | .59 | .091 | -- | .738 | -- | .045 | .105 |
| **07-20-2011** | **1145** | **--** | **--** | -- | .0215 | .898 | -- | .00732 | .0244 | .0434 |