Water-Data Report 2008

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY

Southwestern Lake Ontario Basin
Lower Genesee Subbasin

LOCATION.--Lat 43°15′10″, long 77°36′35″ referenced to North American Datum of 1927, Monroe County, NY, Hydrologic Unit 04130003, at Charlotte, in Rochester, on west bank of the Genesee River, 1300 ft downstream of Stutson Street Bridge, 0.5 mi upstream of mouth, and 5 mi downstream from gaging station (04231600) at Rochester.

DRAINAGE AREA.--2,460 mi^2 at station 04231600

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.
CHEMICAL DATA: Water years 1990-2008 (e).
NUTRIENT DATA: Water years 1990-2008 (e).

REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 3
[Remark codes: <, less than; E, estimated.]

Date	Begin time	End time	Dis-charge, ft3/s (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Residue total non-filter-able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L as P (00665)
Oct 02-09	1100	1000	1,370	48.0	25	.53	.042	.740	.024	.105
Oct 09-16	1200	1100	1,360	48.1	68	.55	.102	.988	.035	.161
Oct 16-22	1230	1130	1,400	51.7	49	.46	.029	.843	.021	.134
Oct 22-29	1300	1200	1,700	40.0	31	.35	.023	.780	.022	.114
Oct 29-Nov 05	1215	1115	1,500	40.9	28	.35	.014	.790	.019	.114
Nov 05-13	1120	1020	1,440	41.9	10	.42	.032	.830	.021	.064
Nov 26-28	1110	1010	2,190	46.1	46	.46	.019	1.06	.016	.149
Nov 28-Dec 03	1115	1014	3,230	44.2	114	.66	.138	1.05	.098	.349
Dec 03-12	1025	0925	2,200	56.4	30	.38	.036	1.33	.019	.095
Dec 12-18	0955	0855	3,630	62.0	91	.53	.023	1.56	.020	.245
Dec 18-26	1110	1010	4,950	54.2	169	.77	.071	1.49	.022	.426
Dec 26 2007-Jan 02 2008	1125	1025	6,640	47.4	215	.79	.018	1.60	.013	.246
Jan 02-09	1130	1030	3,600	52.1	59	.48	.033	1.49	.013	.140
Jan 09-16	1115	1015	5,030	44.5	81	.51	.027	1.19	.049	.165
Jan 25-30	1050	0949	1,600	57.6	10	.31	.054	1.66	.013	.045
Jan 30-Feb 05	1000	0900	2,360	74.4	13	.19	.029	1.62	.011	.099
Feb 05-12	0950	0749	9,670	65.3	229	.82	.029	1.33	.017	.337
Feb 12-20	0905	0805	7,470	45.0	188	.86	.062	1.39	.022	.469
Feb 20-26	1015	0915	3,920	49.5	96	.48	.047	1.53	.017	.232
Feb 26-Mar 05	1045	0945	2,360	72.8	26	.34	.052	1.64	.012	.080

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 3
[Remark codes: <, less than; E, estimated.]

Date	Begin time	End time	Dis-charge, ft3/s (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Residue total non-filter-able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L as P (00665)
Mar 05-12	1030	0930	4,510	72.6	130	.57	.038	1.48	.017	.261
Mar 12-19	1000	0900	4,980	77.6	94	.61	.053	1.49	.015	.191
Mar 19-26	1100	1000	9,330	55.3	39	.78	.021	1.40	.021	.274
Mar 26-Apr 02	1405	0705	7,890	47.9	87	.79	.030	1.21	.015	.186
Apr 02-08	1025	0925	9,290	34.0	217	.65	.015	.938	.012	.273
Apr 08-15	0950	0650	8,170	36.3	105	.48	.015	.818	.010	.247
Apr 15-23	0800	0700	4,450	39.7	41	.49	.023	.814	.010	.118
Apr 23-29	1130	1030	1,410	51.6	32	.50	<.010	.917	<.003	.103
Apr 29-May 06	1330	1129	2,210	63.7	24	.53	.061	.906	.009	.093
May 06-13	1220	0920	2,340	50.9	41	.53	.017	.688	.006	.120
May 13-19	1015	0915	1,590	59.8	26	.47	.026	.661	.003	.066
May 19-28	0955	0855	1,510	53.4	20	.42	.027	.759	.012	.060
May 28-Jun 04	1050	0950	982	52.6	25	.40	.023	1.29	.015	.096
Jun 04-12	1025	0925	797	53.1	21	.51	.024	.631	.010	.061
Jun 12-18	1140	1040	927	56.4	16	.43	.028	.553	.021	.083
Jun 18-25	1140	1040	1,010	63.4	20	.48	.027	.613	.013	.099
Jun 25-Jul 01	1200	1100	1,150	64.2	35	.65	.218	.885	.018	.118
Jul 01-08	1120	1020	1,030	56.4	37	.66	.039	1.08	.023	.107
Jul 08-16	1125	1025	914	59.0	24	.60	.047	.810	.012	.096
Jul 16-23	1030	0930	915	60.3	37	.53	.035	--	.018	.124

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 3
[Remark codes: <, less than; E, estimated.]

Date	Begin time	End time	Dis-charge, ft3/s (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Residue total non-filter-able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L as P (00665)
Jul 23-30	1350	1250	3,060	48.5	61	.56	.023	.889	.034	.195
Jul 30-Aug 05	1255	0955	1,320	58.2	46	.59	.044	.794	.028	.146
Aug 05-12	1030	0930	2,910	48.4	42	.50	.115	.787	.031	.138
Aug 12-19	1200	1100	2,000	46.8	53	.63	.023	.769	.042	.113
Aug 19-26	1105	1005	E1,150	59.6	26	.55	.068	.580	.026	.096
Aug 26-Sep 03	1130	1030	E975	56.1	25	.45	<.010	.658	.008	.065
Sep 03-09	1035	0935	848	53.5	607	.46	.028	.644	.014	.075
Sep 09-16	0950	0850	1,430	50.6	4	.27	.022	.758	.014	.034
Sep 16-25	1000	0900	1,060	54.1	1,890	.61	.151	.797	.015	.083
Sep 25-Oct 01	1300	1200	E741	58.2	60	.67	.081	.830	.022	.161