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 Pattonwood Drive Bridge, 0.5 mi upstream of mouth, and 9 mi downstream from gaging station (04231600) at Rochester.

DRAINAGE AREA.--2,494 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.
CHEMICAL DATA: Water years 1990 to 2012 (e).
NUTRIENT DATA: Water years 1990 to 2012 (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.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 431510077363501, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/431510077363501.2012.pdf

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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; <, less than]

Begin date	Begin time	End date	End time	Discharge, ft3/s (00060)	Discharge, instanta-neous, ft³/s (00061)	Suspended solids, water, unfiltered, mg/L (00530)	Chloride, water, filtered, mg/L (00940)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, unfiltered, mg/L as N (00630)
10-04-2011	0855	10-04-2011	0855	--	3,260	24	42.4	0.37	0.066	0.715
10-04-2011	0945	10-11-2011	1245	1,530	--	15	44.8	.24	.021	1.10
10-11-2011	1305	10-18-2011	1205	1,750	--	11	54.6	.47	.015	1.12
10-18-2011	1002	10-25-2011	0902	4,400	--	76	37.2	.63	.014	1.17
10-25-2011	0930	11-01-2011	0830	4,730	--	54	36.0	.45	.011	1.07
11-02-2011	0940	11-10-2011	0840	2,090	--	31	40.1	.38	.020	1.02
11-09-2011	0910	11-15-2011	0810	1,620	--	12	52.9	.33	.021	.971
11-15-2011	0932	11-22-2011	0832	3,720	--	62	36.1	.50	.184	.909
11-22-2011	0820	11-29-2011	0720	5,310	--	145	39.2	.46	.011	1.37
11-29-2011	0845	12-06-2011	0745	3,950	--	4	35.4	.31	.013	1.11
12-06-2011	0835	12-13-2011	0735	3,960	--	2	38.1	.24	.011	1.35
12-13-2011	0930	12-20-2011	0830	3,060	--	3	41.8	.24	< .010	1.28
12-20-2011	1340	12-27-2011	1240	4,690	--	7	36.5	.36	.064	1.13
12-27-2011	0910	01-03-2012	0810	4,570	--	3	34.3	.32	< .010	1.25
01-03-2012	0930	01-10-2012	0830	3,270	--	2	36.3	< .10	.013	1.40
01-10-2012	0915	01-17-2012	0815	3,430	--	4	43.9	.31	.014	1.46
01-17-2012	0855	01-24-2012	0755	5,630	--	3	48.5	.30	.013	1.41
01-24-2012	0857	01-31-2012	0757	6,360	--	6	45.1	.24	.016	1.46
01-31-2012	0859	02-07-2012	0759	6,010	--	2	39.9	.24	.017	1.53
02-07-2012	0910	02-14-2012	0810	2,600	--	1	45.0	.24	.018	1.87
02-14-2012	0900	02-21-2012	0800	2,300	--	352	57.0	.98	.023	2.00
02-21-2012	0915	02-28-2012	0815	2,940	--	4	64.9	.41	.018	1.56
02-28-2012	0857	03-06-2012	0757	4,120	--	11	56.5	.41	.025	1.31
03-06-2012	1020	03-13-2012	0920	4,120	--	158	34.5	.54	.015	1.13
03-13-2012	0928	03-20-2012	0828	3,040	--	2	44.4	.23	.015	1.06
03-20-2012	0930	03-27-2012	0830	3,120	--	4	37.5	.29	.020	.837
03-27-2012	0945	04-03-2012	0845	2,230	--	55	43.1	.37	< .010	.934
04-03-2012	0830	04-10-2012	0730	1,870	--	11	52.0	.29	.015	1.00
04-10-2012	1005	04-17-2012	0905	1,340	--	14	52.8	.24	< .010	1.13
04-17-2012	1055	04-24-2012	0955	1,580	--	3	56.1	.29	.016	1.23
04-24-2012	0902	05-01-2012	0802	6,540	--	12	43.4	.35	.014	.951
05-01-2012	0940	05-08-2012	0840	4,880	--	134	35.8	.91	.012	.829
05-08-2012	0930	05-15-2012	0830	3,550	--	43	41.0	.46	.015	.704
05-22-2012	1140	05-29-2012	0639	1,630	--	55	51.9	.53	< .120	.914
05-29-2012	0905	06-05-2012	0805	1,740	--	28	48.4	.41	< .120	.647
06-12-2012	0940	06-19-2012	0840	2,230	--	16	46.7	.40	.022	1.40
06-19-2012	0845	06-26-2012	0745	1,100	--	23	48.1	.42	.023	.924
06-26-2012	0900	07-03-2012	0800	641	--	13	55.8	.33	.019	.767
07-03-2012	1030	07-10-2012	0930	539	--	21	48.7	.70	.020	.664

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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; <, less than]

Begin date	Begin time	End date	End time	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)
10-04-2011	0855	10-04-2011	0855	0.025	0.106
10-04-2011	0945	10-11-2011	1245	.029	.057
10-11-2011	1305	10-18-2011	1205	.028	.068
10-18-2011	1002	10-25-2011	0902	.027	.117
10-25-2011	0930	11-01-2011	0830	.025	.126
11-02-2011	0940	11-10-2011	0840	.020	.090
11-09-2011	0910	11-15-2011	0810	.019	.048
11-15-2011	0932	11-22-2011	0832	.013	.211
11-22-2011	0820	11-29-2011	0720	.031	.257
11-29-2011	0845	12-06-2011	0745	.015	< .025
12-06-2011	0835	12-13-2011	0735	.017	.023
12-13-2011	0930	12-20-2011	0830	.016	.032
12-20-2011	1340	12-27-2011	1240	.015	.050
12-27-2011	0910	01-03-2012	0810	.013	.025
01-03-2012	0930	01-10-2012	0830	.014	.013
01-10-2012	0915	01-17-2012	0815	.015	.029
01-17-2012	0855	01-24-2012	0755	.016	.038
01-24-2012	0857	01-31-2012	0757	.018	.037
01-31-2012	0859	02-07-2012	0759	.017	.028
02-07-2012	0910	02-14-2012	0810	.015	.020
02-14-2012	0900	02-21-2012	0800	.020	.324
02-21-2012	0915	02-28-2012	0815	.007	.029
02-28-2012	0857	03-06-2012	0757	.008	.049
03-06-2012	1020	03-13-2012	0920	.013	.305
03-13-2012	0928	03-20-2012	0828	.007	.013
03-20-2012	0930	03-27-2012	0830	.020	.036
03-27-2012	0945	04-03-2012	0845	.011	.103
04-03-2012	0830	04-10-2012	0730	.070	.031
04-10-2012	1005	04-17-2012	0905	< .005	< .025
04-17-2012	1055	04-24-2012	0955	< .005	.013
04-24-2012	0902	05-01-2012	0802	.008	.054
05-01-2012	0940	05-08-2012	0840	.015	.132
05-08-2012	0930	05-15-2012	0830	.011	.069
05-22-2012	1140	05-29-2012	0639	.016	.126
05-29-2012	0905	06-05-2012	0805	< .005	.061
06-12-2012	0940	06-19-2012	0840	.018	.067
06-19-2012	0845	06-26-2012	0745	.008	.088
06-26-2012	0900	07-03-2012	0800	.012	.045
07-03-2012	1030	07-10-2012	0930	.034	.094