

GENESEE RIVER BASIN

430117077350101 AT MENDON PONDS, ROCHESTER, NY

LOCATION.--Lat 43°01'17", long 77°35'01", Monroe County, Hydrologic Unit 04130003, in Mendon Ponds County Park, 200 ft east of rangers' quarters, 300 ft east of State Highway 65, and 1.7 mi south of Interstate Highway 90.

PERIOD OF RECORD.--Water years 1980 to current year. Dustfall data: Water years 1980 to 2003, monthly. Wetfall data: Water years 1980 to 2003, monthly. Bulk data: Water years 1980 to current year, monthly.

INSTRUMENTATION.--The composite sample collector is a straight-sided polyethylene funnel approximately 6.5 inches in diameter that drains into a Teflon receiving bottle. A looped plastic tubing connects the funnel with the receiving bottle to retard evaporation. The polyethylene funnel is heated during the cold-weather season to aid in complete collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft above ground level. Wet/dry precipitation collector used for wetfall and dustfall samples. An automatic sensor detects precipitation and activates a motor that removes the cover from the wetfall-collection vessel and covers the dustfall-collection vessel. When precipitation ceases, the cycle is reversed. The sampling vessels are polyethylene and have a collection diameter of 11.26 inches and a capacity of about 3.4 gallons. The openings of the collectors are approximately 8 ft above ground level.

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

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 Prior to October 1983, unpublished records are available in the files of the Monroe County Environmental Health Laboratory. Records of monthly precipitation totals are collected by the National Oceanic and Atmospheric Administration at the Rochester-Monroe County airport.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MONTHLY BULK

Date	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Acidity water, unfltrd mg/L as CaCO3 (00435)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Lead, water, unfltrd recover- able, ug/L (01051)
OCT 06-31	6.4	22	7.1	1	3	.83	.15	.64	.315	.373	.0021
OCT 31-NOV 26	5.7	14	7.5	.6	2	.50	.36	1.0	.015	.027	<.0010
NOV 26-DEC 31	7.6	12	8.9	.8	1	.33	.17	1.2	.004	.027	.0040
DEC 31-JAN 30	7.0	29	9.3	3	2	.64	.45	.97	.097	.016	<.0010
JAN 30-MAR 01	6.8	27	7.0	4	1	.45	.25	.78	<.003	.008	<.0010
MAR 01-APR 02	5.3	19	5.7	1.0	1.0	.64	.39	.72	.006	.014	<.0010
APR 02-30	5.5	15	5.5	<.2	3	.76	.65	.52	.004	.028	<.0010
APR 30-MAY 28	5.1	20	7.5	.4	3	1.4	1.1	1.3	.080	.122	.0012
MAY 28-JUN 30	6.5	21	8.6	<10	<10	.88	.47	.41	.032	.066	<.0010
JUN 30-JUL 30	5.0	16	9.8	.3	3	1.2	.79	.48	.062	.103	.0023
JUL 30-SEP 07	5.1	16	8.8	<.2	2	1.9	.78	.47	.087	.110	.0016
SEP 07-OCT 01	5.7	6	4.9	<.2	.9	.21	.08	.16	.028	.053	<.0010

< Less than.