CHEMUNG RIVER BASIN

LAKES AND RESERVOIRS IN CHEMUNG RIVER BASIN

01517900 TIOGA LAKE.--Lat 41°53'57", long 77°08'21", Tioga County, Hydrologic Unit 02050104, at Tioga Dam on Tioga River, 0.8 mi south of Tioga, and 1.7 mi upstream from Crooked Creek. DRAINAGE AREA, 280 mi^2. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam. Flood flows are routed to Hammond Lake through a connecting channel with weir at elevation 1,101.0 ft and to Hammond Dam spillway with crest at elevation 1,131.0 ft. Storage began in November 1979. Capacity at elevation l,l31.0 ft is 62,000 acre-ft. Recreation lake elevation is 1,081.0 ft, capacity 9,500 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow is regulated by two service gates and low-flow by-pass system. Satellite and landline telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,090 acre-ft, Apr. 3, 1993, elevation, 1,123.21 ft; minimum, 2,210 acre-ft, Oct. 25, 1980, elevation, 1,060.05 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 22,980 acre-ft, Mar. 22, elevation, 1,100.14 ft; minimum, 9,090 acre-ft, Sept. 19, elevation, 1,080.09 ft.

01518498 HAMMOND LAKE.--Lat 41°53'56", long 77°08'52", Tioga County, Hydrologic Unit 02050104, at Hammond Dam on Crooked Creek, 3.0 mi upstream from mouth, and 0.8 mi southwest of Tioga. DRAINAGE AREA, 122 mi^2. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation l,l31.0 ft. Storage began in November 1979. Capacity at elevation 1,131.0 ft is 63,000 acre-ft. Recreation lake elevation is l,086.0 ft, capacity 8,850 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow is regulated by two gates through a connecting channel that discharges into Tioga Lake, and a low-flow outlet to Crooked Creek. Satellite and landline telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,650 acre-ft, Apr. 3, 1993, elevation, 1,123.55 ft; minimum, 2,430 acre-ft, Oct. 24, 1980, elevation, 1,074.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 17,050 acre-ft, Mar. 23, elevation, 1,096.50 ft; minimum, 7,760 acre-ft, Oct. 10-12, 15, 16, elevation, 1,084.47 ft.

01519995 COWANESQUE LAKE.--Lat 41°59'05", long 77°09'05", Tioga County, Hydrologic Unit 02050104, at Cowanesque Dam on Cowanesque River, 1.8 mi southwest of Lawrenceville, and 2.5 mi upstream from mouth. DRAINAGE AREA, 298 mi^2. PERIOD OF RECORD, December 1979 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation 1,117.0 ft. Storage began in December 1979. Capacity at elevation 1,117.0 ft is 89,110 acre-ft. Recreation lake elevation is 1,080.0 ft since May 1990, capacity 32,600 acre-ft. Reservoir is used for flood control, recreation, and water supply. Figures given herein represent total contents. Flow is regulated by two service gates and low-flow by-pass system. Satellite and landline telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 84,560 acre-ft, Apr. 2, 1993, elevation, 1,114.78 ft; minimum, 65 acre-ft, June 23, 1980, elevation, 1,011.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 45,040 acre-ft, Mar. 22, elevation, 1,090.57 ft; minimum, 29,320 acre-ft, Mar. 16, elevation, 1,076.92 ft.

CHEMUNG RIVER BASIN

Lakes and Reservoirs in Chemung River Basin--Continued

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND CONTENTS AT 2400 HRS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	01517900 Tioga Lake Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in ft^3/s)	01518498 Hammond Lake Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in ft^3/s)
Sept. 30	1,081.10	9,550	---	1,084.60	7,840	---
Oct. 31	1,081.26	9,630	+1.3	1,085.18	8,240	+6.5
Nov. 30	1,083.54	10,770	+19.2	1,087.68	9,960	+28.9
Dec. 31	1,083.03	10,510	-4.2	1,087.35	9,720	-3.9
CAL YR 2002	--	--	-0.2	--	--	-0.1
Jan. 31	1,081.84	9,910	-9.8	1,087.11	9,540	-2.9
Feb. 28	1,081.29	9,640	-4.9	1,087.08	9,520	-0.4
Mar. 31	1,081.47	9,730	+1.5	1,086.70	9,280	-3.9
Apr. 30	1,081.48	9,740	+0.2	1,086.54	9,180	-1.7
May 31	1,081.55	9,770	+0.5	1,086.44	9,120	-1.0
June 30	1,081.50	9,740	-0.5	1,086.58	9,200	+1.3
July 31	1,081.09	9,540	-3.3	1,086.63	9,230	+0.5
Aug. 31	1,081.59	9,790	+4.1	1,086.49	9,150	-1.3
Sept. 30	1,081.12	9,560	-3.9	1,086.45	9,120	-0.5
WTR YR 2003	--	--	0	--	--	+1.8

Date	01519995 Cowanesque Lake Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in ft^3/s)
Sept. 30	1,079.44	31,980	---
Oct. 31	1,079.73	32,300	+5.2
Nov. 30	1,080.19	32,790	+8.2
Dec. 31	1,080.20	32,800	+0.2
CAL YR 2002	--	--	-0.2
Jan. 31	1,080.19	32,790	-0.2
Feb. 28	1,080.07	32,670	-2.2
Mar. 31	1,080.19	32,790	+2.0
Apr. 30	1,080.17	32,770	-0.3
May 31	1,080.17	32,770	0
June 30	1,080.19	32,790	+0.3
July 31	1,080.18	32,780	-0.2
Aug. 31	1,080.20	32,800	+0.3
Sept. 30	1,080.21	32,810	+0.2
WTR YR 2003	--	--	+1.1