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In cooperation with the State of New York  
and with other agencies



LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN

01499500 EAST SIDNEY LAKE.--Lat 42°19'40", long 75°13'42", Delaware County, Hydrologic Unit 02050101, at East Sidney Dam, on Ouleout Creek, 0.3 mi upstream from bridge on County Highway 44 at East Sidney, 4.4 mi upstream from mouth, and 4.5 mi east of Unadilla. DRAINAGE AREA, 103 mi<sup>2</sup>. PERIOD OF RECORD, November 1949 to September 1952 (monthend elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1986 to current year (monthend elevations and contents). Prior to October 1970, published as "East Sidney Reservoir at East Sidney". REVISED RECORDS, WSP 2103: Drainage area. GAGE, water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1979, at datum 0.05 ft lower.

REMARKS.--Lake is formed by concrete dam and rockfill dike, completed by Corps of Engineers in June 1950; regulation of outflow began in November 1949; first used for flood regulation on Mar. 28, 1950. Usable capacity, 33,550 acre-ft between elevations 1,115.0 ft (sill of conduits) and 1,203.0 ft (crest of spillway). Dead storage 56 acre-ft. Discharge is controlled by the operation of five gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 25,690 acre-ft, Apr. 3, 1993, elevation, 1,195.10 ft; minimum 56 acre-ft, Aug. 31, 1953, Sept. 7-26, Nov. 4, 1964, elevation, 1,115.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 6,561 acre-ft, Mar. 28, elevation, 1,161.98 ft; minimum, 1,592 acre-ft, Apr. 8, elevation, 1,139.69 ft.

01511000 WHITNEY POINT LAKE.--Lat 42°20'34", long 75°57'57", Broome County, Hydrologic Unit 02050102, on left bank at control-gate structure for Whitney Point Dam on Otselic River, 0.3 mi upstream from spillway, 0.9 mi upstream from mouth, and 1.0 mi north of Whitney Point. DRAINAGE AREA, 257 mi<sup>2</sup>. PERIOD OF RECORD, October 1942 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents). REVISED RECORDS, WSP 2103: Drainage area. GAGE, water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers). Prior to October 1970, published as "Whitney Point Reservoir at Whitney Point".

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in 1942 for flood control; first used for flood regulation on Mar. 9, 1942. Usable capacity 86,440 acre-ft between elevations 950.0 ft (sill of gates) and 1,010.0 ft (crest of spillway). Dead storage, 28 acre-ft. Figures given herein represent total contents. Discharge is controlled by operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 71,440 acre-ft, Mar. 23, 1948, elevation 1,005.0 ft; minimum, 36 acre-ft, Sept. 2-4, 1953, elevation, 950.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,978 acre-ft, June 6, 7, elevation, 975.51 ft; minimum, 5,014 acre-ft, Mar. 13, elevation, 965.79 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)	01499500 East Sidney Lake		01511000 Whitney Point Lake	
				Elevation (feet)	Contents (acre- feet)	Elevation (feet)	Contents (acre- feet)
Sept. 30	1,148.36	2,958	--	973.16	12,888	--	
Oct. 31	1,147.10	2,723	- 3.8	973.47	13,282	+ 6.4	
Nov. 30	1,147.03	2,710	- 0.2	973.32	13,091	- 3.2	
Dec. 31	1,140.26	1,664	- 17.0	966.13	5,343	- 126	
CAL YR 2001	--	--	- 0	--	--	- 0.1	
Jan. 31	1,140.55	1,701	+ 0.6	967.27	6,471	+ 18.4	
Feb. 28	1,140.76	1,729	+ 0.5	966.21	5,421	- 18.9	
Mar. 31	1,142.97	2,040	+ 5.1	966.22	5,431	+ 0.2	
Apr. 30	1,150.75	3,439	+ 23.5	973.29	13,053	+ 128	
May 31	1,149.99	3,279	- 2.6	973.07	12,773	- 4.6	
June 30	1,151.06	3,505	+ 3.8	973.12	12,837	+ 1.1	
July 31	1,151.23	3,543	+ 0.6	973.16	12,888	+ 0.8	
Aug. 31	1,149.88	3,257	- 4.6	973.25	13,002	+ 1.8	
Sept. 30	1,150.81	3,452	+ 3.3	973.43	13,231	+ 3.8	
WTR YR 2002	--	--	+ 0.7	--	--	+ 0.5	

LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN--Continued

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<sup>2</sup>. PERIOD OF RECORD, December 1979 to current year. GAGE, water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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 1,045.0 ft, capacity 7,330 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. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height and precipitation telemeter 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, 39,960 acre-ft, June 6, elevation, 1,086.47 ft; minimum, 31,790 acre-ft, Sept. 26, elevation, 1,079.26 ft.

01523000 ALMOND LAKE NEAR ALMOND, NY.--Lat 42°20'56", long 77°42'10", Steuben County, Hydrologic Unit 02050104, at Almond Dam on Canacadea Creek, 2.0 mi northeast of Almond, and 3.0 mi upstream from mouth. DRAINAGE AREA, 55.8 mi<sup>2</sup>. PERIOD OF RECORD, July 1949 to September 1952 (monthly elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents). Prior to October 1970, published as "Almond Reservoir near Almond". REVISED RECORDS, WSP 2103: Drainage area. GAGE, Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in June 1949 for flood control; first used for flood regulation on Mar. 28, 1950. Usable capacity, 14,800 acre-ft between elevations 1,229.0 ft (sill of gates) and 1,300.0 ft (crest of spillway). No dead storage. Figures given herein represent usable contents. Discharge is controlled by the operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,100 acre-ft, June 23, 1972, elevation, 1,298.58 ft; no contents for many days each year 1949-65.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,365 acre-ft, June 27, elevation, 1,272.48 ft; minimum, 1,667 acre-ft, May 20, elevation, 1,259.45 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre- feet)	Change		Elevation (feet)	Contents (acre- feet)	Change		
			in contents (equivalent in cfs)				in contents (equivalent in cfs)		
		01519995 Cowanesque Lake						01523000 Almond Lake	
Sept. 30	1,080.27	32,870	--		1,260.05	1,758	--		
Oct. 31	1,080.46	33,060	+	3.1	1,260.08	1,763	+	0.1	
Nov. 30	1,080.35	32,950	-	1.8	1,260.67	1,857	+	1.6	
Dec. 31	1,080.31	32,910	-	0.7	1,260.18	1,779	-	1.3	
CAL YR 2001	--	--	0		--	--	0		
Jan. 31	1,080.22	32,820	-	1.5	1,262.25	2,125	+	5.6	
Feb. 28	1,080.24	32,840	+	0.4	1,260.28	1,795	-	5.9	
Mar. 31	1,080.12	32,720	-	2.0	1,259.92	1,738	-	0.9	
Apr. 30	1,080.43	33,030	+	5.2	1,260.36	1,808	+	1.2	
May 31	1,080.18	32,780	-	4.1	1,260.61	1,848	+	0.6	
June 30	1,080.43	33,030	+	4.2	1,260.19	1,780	-	1.1	
July 31	1,080.78	33,380	+	5.7	1,260.24	1,788	+	0.1	
Aug. 31	1,080.14	32,740	-	10.4	1,260.30	1,798	+	0.2	
Sept. 30	1,079.44	31,980	-	12.8	1,259.85	1,727	-	1.2	
WTR YR 2002	--	--	-	1.2	--	--	0		

## SUSQUEHANNA RIVER BASIN

## LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN--Continued

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<sup>2</sup>. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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 1,131.0 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. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height telemeter 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, 13,810 acre-ft, June 7, elevation, 1,088.78 ft; minimum, 9,220 acre ft, May 20, elevation, 1,080.38 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<sup>2</sup>. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation 1,131.0 ft. Storage began in November 1979. Capacity at elevation 1,131.0 ft is 63,000 acre-ft. Recreation lake elevation is 1,086.0 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. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height telemeter 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, 11,840 acre-ft, June 7, elevation, 1,090.24 ft; minimum, 7,560 acre-ft, Sept. 26, elevation, 1,084.16 ft.

## MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	01517900 Tioga Lake			01518498 Hammond Lake		
	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)
Sept. 30 .....	1,080.88	9,450	--	1,086.49	9,150	--
Oct. 31 .....	1,081.86	9,920	+ 7.6	1,086.83	9,360	+ 3.4
Nov. 30 .....	1,083.03	10,510	+ 9.9	1,087.54	9,860	+ 8.4
Dec. 31 .....	1,083.36	10,680	+ 2.8	1,087.42	9,770	- 1.5
CAL YR 2001.....	--	--	+ 0.4	--	--	0
Jan. 31 .....	1,082.38	10,180	- 8.1	1,087.38	9,740	- 0.5
Feb. 29 .....	1,082.30	10,140	- 0.7	1,087.51	9,840	+ 1.8
Mar. 31 .....	1,081.74	9,860	- 4.6	1,086.53	9,170	- 10.9
Apr. 30 .....	1,081.34	9,670	- 3.2	1,086.42	9,110	- 1.0
May 31 .....	1,081.06	9,530	- 2.3	1,086.51	9,160	+ 0.8
June 30 .....	1,081.47	9,730	+ 3.4	1,086.53	9,170	+ 0.2
July 31 .....	1,081.52	9,760	+ 0.5	1,086.15	8,940	- 3.7
Aug. 31 .....	1,081.27	9,630	- 2.1	1,084.95	8,070	- 14.1
Sept. 30 .....	1,081.10	9,550	- 1.3	1,084.60	7,840	- 3.9
WTR YR 2002.....	--	--	+ 0.1	--	--	- 1.8