

SUSQUEHANNA RIVER BASIN

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 mi². 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 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, 14,534 acre-ft, Sept. 19, elevation, 1,179.87 ft; minimum, 1,522 acre-ft, Dec. 17, elevation, 1,139.12 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 mi². 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 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, 24,056 acre-ft, Sept. 19, elevation, 981.19 ft; minimum, 5,110 acre-ft, Dec. 21, elevation, 965.89 ft.

MONTHEND ELEVATION AND CONTENTS AT 0000, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)
01499500 East Sidney Lake				01511000 Whitney Point Lake		
Sept. 30.....	1,150.12	3,306	--	973.10	12,812	--
Oct. 31.....	1,154.58	4,343	+ 16.9	973.02	12,710	- 1.6
Nov. 30.....	1,151.18	3,532	- 13.6	973.06	12,761	+ 0.8
Dec. 31.....	1,140.64	1,713	- 29.6	966.79	5,993	- 110
CAL YR 2003.....	--	--	0	--	--	+ 06
Jan. 31.....	1,139.90	1,618	- 1.5	966.18	5,392	- 9.8
Feb. 29.....	1,140.14	1,648	+ 0.5	966.24	5,451	+ 1.0
Mar. 31.....	1,139.83	1,609	- 0.6	967.70	6,903	+ 23.6
Apr. 30.....	1,149.88	3,257	+ 27.7	973.35	13,129	+ 105
May 31.....	1,150.30	3,344	+ 1.4	973.02	12,710	- 6.8
June 30.....	1,150.96	3,484	+ 2.4	973.31	13,079	+ 6.2
July 31.....	1,150.56	3,399	- 1.4	973.30	13,066	- 0.2
Aug. 31.....	1,151.76	3,661	+ 4.3	973.09	12,799	- 4.3
Sept. 30.....	1,150.11	3,304	- 6.0	973.14	12,863	+ 1.1
WTR YR 2004.....	--	--	0	--	--	+ 0.1

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 mi². 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. 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, 37,100 acre-ft, Sept. 19, elevation, 1,113.31 ft; minimum, 8,550 acre-ft, Mar. 2, elevation, 1,078.88 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 mi². 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. 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, 35,700 acre-ft, Sept. 19, elevation, 1,113.11 ft; minimum, 8,660 acre-ft, Mar. 1, elevation, 1,085.75 ft.

MONTHEND ELEVATION AND CONTENTS AT 0000, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)
01517900 Tioga Lake				01518498 Hammond Lake		
Sept. 30.....	1,081.12	9,560	--	1,086.45	9,120	--
Oct. 31.....	1,081.72	9,850	+ 4.7	1,086.55	9,190	+ 1.1
Nov. 30.....	1,082.80	10,400	+ 9.2	1,087.18	9,590	+ 6.7
Dec. 31.....	1,083.50	10,700	+ 4.9	1,087.19	9,600	+ 0.2
CAL YR 2003.....	--	--	+ 0.3	--	--	- 0.2
Jan. 31.....	1,081.42	9,710	- 16.1	1,087.22	9,620	+ 0.3
Feb. 29.....	1,079.23	9,700	- 17.6	1,085.79	8,690	- 16.2
Mar. 31.....	1,081.09	9,540	+ 13.7	1,086.66	9,250	+ 9.1
Apr. 30.....	1,081.00	9,500	- 0.7	1,086.58	9,200	- 0.8
May 31.....	1,081.18	9,590	+ 1.5	1,086.56	9,190	- 0.2
June 30.....	1,081.63	9,810	+ 3.7	1,086.48	9,140	- 0.8
July 31.....	1,082.06	10,000	+ 3.1	1,086.41	9,100	- 0.7
Aug. 31.....	1,080.91	9,460	- 8.8	1,086.50	9,150	+ 0.8
Sept. 30.....	1,081.03	9,510	+ 0.8	1,086.44	9,120	- 0.5
WTR YR 2004.....	--	--	- 0.1	--	--	0

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 mi². 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. 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, 66,740 acre-ft, Sept. 19, elevation, 1,105.14 ft; minimum, 32,080 acre-ft, Mar. 7, elevation, 1,079.53 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 mi². 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 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, 5,186 acre-ft, Sept. 10, elevation, 1,275.47 ft; minimum, 1,651 acre-ft, Feb. 28, elevation, 1,259.34 ft.

MONTHEND ELEVATION AND CONTENTS AT 0000, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)
		01519995 Cowanesque Lake		01523000 Almond Lake		
Sept. 30.....	1,080.21	31,810	--	1,260.20	1,782	--
Oct. 31.....	1,080.49	33,090	+ 4.6	1,260.18	1,779	0
Nov. 30.....	1,080.37	32,970	- 2.0	1,260.08	1,763	- 0.3
Dec. 31.....	1,080.30	32,900	- 1.1	1,260.48	1,827	+ 1.0
CAL YR 2003.....	--	--	+ 0.1	--	--	0
Jan. 31.....	1,080.21	32,810	- 1.5	1,260.33	1,803	- 0.4
Feb. 29.....	1,080.12	32,720	- 1.6	1,260.02	1,753	- 0.9
Mar. 31.....	1,080.13	32,730	+ 0.2	1,260.12	1,769	+ 0.3
Apr. 30.....	1,080.19	32,790	+ 1.0	1,260.09	1,764	0
May 31.....	1,080.22	32,820	+ 0.5	1,261.19	1,942	+ 2.9
June 30.....	1,080.20	32,800	- 0.3	1,260.60	1,846	- 1.6
July 31.....	1,079.78	32,360	- 7.2	1,260.43	1,819	- 0.4
Aug. 31.....	1,080.14	32,740	+ 6.2	1,260.52	1,833	+ 0.2
Sept. 30.....	1,080.09	32,690	- 0.8	1,260.20	1,782	- 0.8
WTR YR 2004.....	--	--	- 0.2	--	--	0