

## RESERVOIRS IN DELAWARE RIVER BASIN

**01428900 PROMPTON RESERVOIR.**--Lat 41°35'18", long 75°19'39", Wayne County, PA, Hydrologic Unit 02040103, at dam on West Branch Lackawaxen River, 0.3 mi north of Prompton, 0.4 mi upstream from highway bridge, and 0.5 mi upstream from Van Auken Creek.

DRAINAGE AREA.-- 59.6 mi<sup>2</sup>.

PERIOD OF RECORD.-- December 1960 to current year.

GAGE.-- Data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir formed by an earth and rockfill dam with ungated bedrock spillway at elevation 1,205.00 ft. Storage began July 1960. Capacity at elevation 1,205.00 ft is 51,700 acre-ft. Ordinary minimum (conservation) pool is 1,125.00 ft, capacity, 3,420 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Regulation is accomplished by discharge through an ungated tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 9,130 acre-ft, Apr. 3, 2005, elevation, 1,140.90 ft; minimum (after first filling), 2,500 acre-ft, June 5, 1991, elevation, 1,121.46 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 9,130 acre-ft, Apr. 3, elevation, 1,140.90 ft; minimum contents, 2,900 acre-ft, Aug. 27, elevation, 1,122.86 ft.

**01429400 GENERAL EDGAR JADWIN RESERVOIR.**--Lat 41°36'44", long 75°15'55", Wayne County, PA, Hydrologic Unit 02040103, at dam on Dyberry Creek, 0.4 mi upstream from unnamed tributary, 2.4 mi north of Honesdale, and 2.9 mi upstream from mouth.

DRAINAGE AREA.-- 64.5 mi<sup>2</sup>.

PERIOD OF RECORD.-- October 1959 to current year.

GAGE.-- Data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir formed by an earth and rockfill dam with ungated concrete spillway at elevation 1,053.00 ft. Storage began October 1959. Capacity at elevation of 1,053.00 ft is 24,500 acre-ft. Reservoir is used for flood control. Figures given herein represent total contents. Regulation is accomplished by discharge through an ungated tunnel. Since Oct. 1, 1996, pool elevations below 990 ft NGVD are not recorded.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 7,600 acre-ft, Apr. 3, 2005, elevation, 1,020.51 ft; minimum contents, no storage many times.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 7,600 acre-ft, Apr. 3, elevation, 1,020.51 ft; minimum contents, no storage many times.

**01431700 LAKE WALLENPAUPACK.**--Lat 41°27'35", long 75°11'10", Wayne County, PA, Hydrologic Unit 02040103, at dam on Wallenpaupack Creek at Wilsonville, 1.2 mi south of Hawley, and 1.5 mi upstream from mouth.

DRAINAGE AREA.-- 228 mi<sup>2</sup>.

PERIOD OF RECORD.-- January 1926 to current year.

GAGE.-- Vertical staff. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Pennsylvania Power and Light Co.).

REMARKS.--Lake formed by concrete gravity-type and earthfill dam, with concrete spillway in two sections at elevation 1,176.00 ft. Spillway equipped with 14 ft high roller gate on each section. Storage began Nov. 3, 1925; water in reservoir first reached minimum pool elevation January 1926. Minimum pool elevation for controlled storage is 1,170.00 ft. Prior to 1984, minimum pool elevation was 1,160.00 ft. Reservoir is used for generation of hydroelectric power. Figures given herein represent usable contents. Records prior to 1984 included additional usable contents of 48,900 acre-ft.

COOPERATION.--Records provided by Pennsylvania Power and Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 178,200 acre-ft, (pre-1984 contents), Aug. 19-21, 1955, elevation, 1,193.45 ft; minimum (after first filling), 12,280 acre-ft (pre-1984 contents), Mar. 28, 1958, elevation, 1,162.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 158,400 acre-ft, Apr. 3, elevation, 1,190.1 ft; minimum contents, 94,620 acre-ft, Sept. 24, elevation 1,178.7 ft.

**01447780 FRANCIS E. WALTER RESERVOIR** (formerly published as Bear Creek Reservoir)--Lat 41°06'45", long 75°43'15", Luzerne County, PA, Hydrologic Unit 02040106, at dam on Lehigh River, 2,200 ft downstream from Bear Creek, and 5.0 mi northeast of White Haven.

DRAINAGE AREA.-- 289 mi<sup>2</sup>.

PERIOD OF RECORD.-- February 1961 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir formed by an earthfill embankment covered with a rock shell, with concrete spillway at elevation 1,450.0 ft. Storage began Feb. 17, 1961; reservoir first reached conservation pool in June 1961. Total capacity (elevation 1,450.0 ft) is 110,700 acre-ft of which 108,700 acre-ft is controlled storage above elevation 1,300.0 ft, (conservation pool). Dead storage is 2,000 acre-ft. Flow regulated by three gates and low-flow by-pass system. Reservoir is used for flood control and recreation. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 62,100 acre-ft, Sept. 28, 1985, elevation, 1,417.08 ft; minimum contents (after establishment of conservation pool), 980 acre-ft, July 6, 1982, elevation, 1,287.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum recorded contents, 51,030 acre-ft, Apr. 4, elevation, 1,407.81 ft; minimum contents, 1,510 acre-ft, Apr. 14, 15, elevation, 1,296.24 ft.

**01449400 PENN FOREST RESERVOIR.**--Lat 40°55'45", long 75°33'45", Carbon County, PA, Hydrologic Unit 02040106, at dam on Wild Creek, 0.7 mi upstream from hatchery, 2.6 mi upstream from Wild Creek Dam, 4.4 mi upstream from mouth, and 10.0 mi northeast of Palmerton.

DRAINAGE AREA.-- 16.5 mi<sup>2</sup>.

PERIOD OF RECORD.-- October 1958 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by city of Bethlehem).

REMARKS.--Reservoir formed by a roller-compacted concrete dam with ungated concrete spillway at elevation 1,000.60 ft (capacity, 18,510 acre-ft). Storage began October 1958. Reservoir is used for municipal water supply. Regulation by valves on pipe through dam. Figures given herein represent total contents and include diversion since October 1969 from Tunkhannock Creek Basin to Wild Creek Basin.

COOPERATION.--Records provided by city of Bethlehem.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 20,800 acre-ft, Apr. 16, 1983, elevation, 1,001.69 ft; minimum contents, 0 acre-ft, many days during 1996, 1997, 1998, and 1999 water years, elevation, 890.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 18,930 acre-ft, Jan. 15, elevation, 1,001.41 ft; minimum contents, 9,410 acre-ft, Sept. 30, elevation, 974.81 ft.

**01449700 WILD CREEK RESERVOIR.**--Lat 40°53'50", long 75°33'50", Carbon County, PA, Hydrologic Unit 02040106, at dam on Wild Creek, 1.6 mi upstream from mouth, 2.4 mi south of hatchery, and 7.5 mi northeast of Palmerton.

DRAINAGE AREA.-- 22.2 mi<sup>2</sup>.

PERIOD OF RECORD.-- January 1941 to current year.

GAGE.-- Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by city of Bethlehem).

REMARKS.--Reservoir formed by earthfill dam with concrete ungated spillway at elevation 820.00 ft. Storage began January 27, 1941; reservoir first reached minimum contents pool elevation in February 1941. Total capacity at elevation 820.00 ft is 12,500 acre-ft of which 12,000 acre-ft is controlled storage. Reservoir is used for municipal water supply. Regulation by valves on pipe through dam. Figures given herein represent usable contents and include diversion since October 1969 from Tunkhannock Creek Basin to Wild Creek Basin.

COOPERATION.--Records provided by city of Bethlehem.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 12,880 acre-ft, May 23, 1942, elevation, 822.93 ft; minimum contents (after first filling), 2,680 acre-ft, Nov. 15, 1966, elevation, 774.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,320 acre-ft, Apr. 3, elevation, 821.06 ft; minimum contents, 9,470 acre-ft, Sept. 14, elevation 810.55 ft.

## RESERVOIRS IN DELAWARE RIVER BASIN—Continued

**01449790 BELTZVILLE LAKE.**--Lat 40°50'56", long 75°38'19", Carbon County, PA, Hydrologic Unit 02040106, at dam on Pohopoco Creek, 0.4 mi upstream from gaging station on Pohopoco Creek, 0.6 mi upstream from Sawmill Run, and 2.3 mi northeast of Parryville.

DRAINAGE AREA.-- 96.3 mi<sup>2</sup>.

PERIOD OF RECORD.-- February 1971 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake formed by an earth and rockfill dam with ungated, partially lined spillway at an elevation of 651.00 ft. Storage began Feb. 8, 1971. Capacity at elevation 651.00 ft is 68,300 acre-ft. Ordinary minimum contents (conservation) pool elevation is 628.00 ft, capacity, 41,250 acre-ft. Dead storage is 1,390 acre-ft. Lake is used for recreation, flood control, low-flow augmentation, and water supply. Figures given herein represent total contents. Regulation is accomplished by a multi-level water-quality outlet system, and two flood-control gates.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 49,920 acre-ft, Apr. 4, 2005, elevation, 636.42 ft; minimum contents, 15,110 acre-ft, Mar. 31, 1983, elevation, 588.79 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 49,920 acre-ft, Apr. 4, elevation, 636.42 ft; minimum contents, 37,510 acre-ft, Sept. 30, elevation, 623.95 ft.

**01455221 MERRILL CREEK RESERVOIR.**--Lat 40°43'38", long 75°06'10", Warren County, NJ, Hydrologic Unit 02040105, at dam on Merrill Creek in Harmony Township, 4.5 mi northeast of Phillipsburg, and 2.8 mi upstream from mouth.

DRAINAGE AREA.-- 3.13 mi<sup>2</sup>.

PERIOD OF RECORD.-- March 1988 to current year.

GAGE.-- Measurement from reference point. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir formed by zoned, compacted, earth-rockfill dam constructed in November 1987. Storage began March 1988. Total capacity at spillway elevation, 16,617,000,000 gal, elevation 929.0 ft. Usable capacity, 15,6654,000,000 gal. Reservoir used for storage of water pumped from the Delaware River through a 57-inch diameter pipe 17,000 ft long. Releases are made into the Delaware River through the same pipe. Reservoir is used to augment low flow in the Delaware River. Conservation release of 3 ft<sup>3</sup>/s made to Merrill Creek.

COOPERATION.--Records provided by the Merrill Creek Reservoir Project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,710,000,000 gal, Jan. 15, 1990, elevation, 923.3 ft; minimum (after first filling), 14,076,000,000 gal, Jan. 23, 1992, elevation 910.40 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,692,000,000 gal, Apr. 6, elevation 923.02 ft; minimum, 15,118,000,000 gal, Sept. 29, elevation 920.19 ft.

**01455400 LAKE HOPATCONG.**--Lat 40°55'03", long 74°39'51", Morris County, NJ, Hydrologic Unit 02040105, in gatehouse of Lake Hopatcong Dam on Musconetcong River at Landing.

DRAINAGE AREA.-- 25.3 mi<sup>2</sup>.

PERIOD OF RECORD.-- February 1887 to current year.

REVISED RECORDS.-- WDR NJ-82-2: Drainage area; WDR NJ-83-2: Corrections 1981 (m/m).

GAGE.-- Staff gage and water-stage recorder re-installed March 12, 2004. Prior to June 24, 1928, daily readings obtained by measuring from high-water mark to water surface converted to gage height, present datum. Datum of gage is 914.57 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is formed by concrete spillway and earthfill dam completed about 1828. Crest of spillway was lowered 0.11 ft in 1925. Usable capacity, 7,459,000,000 gal between gage height -2.6 ft, sills of gates and 9.00 ft, crest of spillway. Flow regulated by four gates (3 by 5 ft), also by one 24-inch pipe with gate valve to recreation fountain 250 ft downstream from dam. Dead storage, about 8,117,000,000 gal. Figures given herein represent usable capacity. Data collected at 0700 on the first day of the following month between Jan. 1985 and Feb. 2004. Subsequent data collected at 2400 on the last day of each month. Lake used for recreation.

COOPERATION.--Records provided by New Jersey Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 9,745,000,000 gal, Aug. 13, 2000, gage height, 11.80 ft; minimum, 1,525,000,000 gal, Dec. 29, 1960, gage height, 0.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 7,950,000,000 gal, Apr. 8, gage height, 9.58 ft; minimum, 5,560,000,000 gal, Dec. 21-23, gage height, 6.65 ft.

**01459350 NOCKAMIXON RESERVOIR.**--Lat 40°28'13", long 75°11'10", Bucks County, PA, Hydrologic Unit 02040105, at dam on Tohickon Creek, 6.2 mi upstream from gaging station on Tohickon Creek, 1.3 mi east of Ottsville, and 2.9 mi upstream from Mink Run.

DRAINAGE AREA.-- 73.3 mi<sup>2</sup>.

PERIOD OF RECORD.-- December 1973 to September 2000. October 2003 to current year.

GAGE.-- Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Pennsylvania Department of Environmental Protection).

REMARKS.--Reservoir formed by earthfill dam with concrete spillway at elevation 395.0 ft. Storage began December 1973. Total capacity is 66,500 acre-ft at elevation 410 ft. Reservoir is used primarily for recreation, but can be used for water supply and flood control.

COOPERATION.--Records furnished by Pennsylvania Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--(1973-2000) Maximum contents, 45,390 acre-ft, Sept. 17, 1999, elevation, 398.50 ft; minimum contents (after first filling), 15,900 acre-ft, around Dec. 31, 1975, elevation, 372.78 ft.

EXTREMES FOR CURRENT YEAR.--Records not furnished to determine extremes.

**01469200 STILL CREEK RESERVOIR.**--Lat 40°51'25", long 75°59'30", Schuylkill County, PA, Hydrologic Unit 02040106, at dam on Still Creek, 1.0 mi upstream from mouth, and 2.3 mi north of Hometown.

DRAINAGE AREA.-- 7.19 mi<sup>2</sup>.

PERIOD OF RECORD.-- January 1933 to current year.

GAGE.-- Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Panther Valley Water Co.).

REMARKS.--Reservoir formed by earthfill dam with ungated concrete spillway at elevation 1,182.00 ft. Storage began February 1933. Capacity at elevation 1,182.00 ft is 8,290 acre-ft. Reservoir is used for municipal water supply. Figures given herein represent total contents. Regulation by valves on pipe through dam.

COOPERATION.--Records provided by the borough of Tamaqua.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 8,570 acre-ft, Oct. 15, 1955, elevation, 1,182.92 ft, but may have been greater during 1950 or 1951 water years; minimum contents (after first filling), 588 acre-ft, Dec. 8, 1944, elevation, 1,136.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 8,420 acre-ft, Nov. 29, elevation, 1,182.5 ft; minimum contents, 5,860 acre-ft, Sept. 30, elevation, 1,173.25 ft.

## RESERVOIRS IN DELAWARE RIVER BASIN—Continued

**01470870 BLUE MARSH LAKE.**--Lat 40°22'45", long 76°01'59", Berks County, PA, Hydrologic Unit 02040203, at dam on Tulpehocken Creek, 0.8 mi upstream from gaging station on Tulpehocken Creek (station 01470960), 1.0 mi northeast of Blue Marsh, 1.9 mi upstream from Rebers Bridge, and 5.1 mi southeast of Bernville.

DRAINAGE AREA.-- 175 mi<sup>2</sup>.

PERIOD OF RECORD.-- April 1979 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake formed by earthfill dam with ungated concrete spillway at elevation 307.00 ft. Storage began April 23, 1979. Capacity at elevation 307.00 ft is 50,000 acre-ft. Dead storage is 3,000 acre-ft. Lake is used for flood control, water supply, and recreation. Figures herein represent total contents. Satellite telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 39,480 acre-ft, Apr. 17, 1983, elevation, 301.65 ft; minimum contents (after first filling), 13,150 acre-ft, Mar. 18, 1994, elevation, 279.88 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 31,800 acre-ft, Apr. 4, elevation, 296.90 ft; minimum contents, 16,700 acre-ft, Mar. 21, elevation, 283.99 ft.

**01472200 GREEN LANE RESERVOIR.**--Lat 40°20'30", long 75°28'45", Montgomery County, PA, Hydrologic Unit 02040203, at dam on Perkiomen Creek, 0.4 mi west of Green Lane, and 2.1 mi upstream from Unami Creek.

DRAINAGE AREA.-- 70.9 mi<sup>2</sup>.

PERIOD OF RECORD.-- December 1956 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Philadelphia Suburban Water Co.).

REMARKS.--Reservoir formed by concrete, gravity-type dam with ungated spillway at elevation 286.00 ft. Storage began December 21, 1956. Capacity at elevation 286.00 ft is 13,430 acre-ft. Reservoir is used for municipal water supply. Figures given herein represent total contents. Regulation by valves on pipe through dam.

COOPERATION.--Records provided by Philadelphia Suburban Water Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 17,030 acre-ft, June 23, 1972, elevation, 290.05 ft; minimum contents (after first filling), 1,270 acre-ft, Aug. 25, 1957, elevation, 251.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,830 acre-ft, Apr. 3, elevation, 287.58 ft; minimum contents, 11,600 acre-ft, Sept. 30, elevation, 283.75 ft.

**01480399 CHAMBERS LAKE.**--40°01'40", long 75°51'03", Chester County, PA, Hydrologic Unit 02040205, at Hibernia Dam on Birch Run, 0.6 mi upstream from gaging station on Birch Run (station 01480400), 0.9 mi upstream from mouth, and 1.4 mi northwest of Wagontown.

DRAINAGE AREA.-- 4.5 mi<sup>2</sup>.

PERIOD OF RECORD.-- May 1997 to current year.

GAGE.-- Non-recording gage. Manual measurement from top of concrete riser at upstream flank of Hibernia Dam. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Chester County Water Resources Authority, Chester County Parks and Recreation Department).

REMARKS.--Reservoir formed by earthfill dam with principle spillway at elevation 587.5 ft, capacity 2,000 acre-ft. Dam crest at elevation 596.5 ft. Normal elevation 580 ft, capacity 1,226 acre feet. Reservoir is used for water supply, flood control, and recreation. Figures given herein represent total contents.

COOPERATION.--Records provided by Chester County Water Resources Authority, in cooperation with City of Coatesville Authority and Chester County Parks and Recreation Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,440 acre-ft, March 22, 2000, elevation, 582.76 ft; minimum contents, 605 acre-ft, Oct. 10, 2002, elevation, 571.23 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,260 acre-ft, Jan. 14, elevation, 580.92 ft; minimum contents, 959 acre-ft, Sept. 30, elevation, 576.98 ft.

**01480684 MARSH CREEK LAKE.**--Lat 40°03'24", long 75°43'06", Chester County, PA, Hydrologic Unit 02040205, on right bank at dam on Marsh Creek, 0.3 mi upstream from mouth, and 3.2 mi north of Downingtown.

DRAINAGE AREA.-- 20.1 mi<sup>2</sup>.

PERIOD OF RECORD.-- November 1973 to current year.

GAGE.-- Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Pennsylvania Department of Environmental Protection).

REMARKS.--Reservoir formed by earthfill dam with concrete spillway at elevation 359.5 ft. Storage began November 1973. Total capacity, 22,190 acre-ft, elevation 373 ft. Reservoir is used for water supply, flood control, and recreation. Figures given herein represent contents above lowest gate sill at elevation 289.5 ft.

COOPERATION.--Records provided by Pennsylvania Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,500 acre-ft, Sept. 18, 1999, elevation, 363.49 ft; minimum contents (after first filling), 10,410 acre-ft, Mar. 3, 1976, elevation, 351.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,380 acre-ft, Apr. 4, elevation, 363.50 ft; minimum contents, 13,260 acre-ft, Mar. 3, elevation, 357.70 ft.

RESERVOIRS IN DELAWARE RIVER BASIN—Continued

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)
01428900 Prompton Reservoir				01429400 General Edgar Jadwin Reservoir			01431700 Lake Wallenpaupack		
Sept. 30.....	1,126.60	3,950		--	0		1,186.1	135,400	
Oct. 31.....	1,125.27	3,580	-6.0	--	0	0	1,182.8	116,900	-301
Nov. 30.....	1,127.25	4,130	+9.2	--	0	0	1,185.3	130,900	+235
Dec. 31.....	1,125.32	3,590	-8.8	--	0	0	1,184.5	126,500	-71.6
CAL YR 2004			-0.7			0			-0.7
Jan. 31.....	1,125.16	3,540	-0.8	--	0	0	1,183.9	123,100	-55.3
Feb. 28.....	1,125.24	3,570	+0.5	--	0	0	1,183.3	119,700	-61.2
Mar. 31.....	1,129.01	4,620	+17.1	996.19	1,330	+21.6	1,186.2	136,000	+265
Apr. 30.....	1,126.01	3,780	-14.1	--	0	-22.4	1,184.8	128,100	-133
May 31.....	1,124.23	3,280	-8.1	--	0	0	1,186.1	135,400	+119
June 30.....	1,123.27	3,020	-4.4	--	0	0	1,185.0	129,300	-103
July 31.....	1,123.05	2,950	-1.1	--	0	0	1,181.8	111,400	-291
Aug. 31.....	1,123.27	3,020	+1.1	--	0	0	1,180.6	104,900	-106
Sept. 30.....	1,123.18	2,990	-0.5	--	0	0	1,178.8	95,160	-164
WTR YR 2005			-1.3			0			-55.6
Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)††	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)
01447780 Francis E. Walter Reservoir				01449400 Penn Forest Reservoir			01449700 Wild Creek Reservoir		
Sept. 30.....	1,308.89	2,670		1,001.03	18,730		820.50	12,150	
Oct. 31.....	1,302.85	2,050	-10.1	1,000.75	18,590	-2.3	820.15	12,040	-1.8
Nov. 30.....	1,358.11	14,780	+214	1,001.19	18,810	+3.7	820.82	12,250	+3.5
Dec. 31.....	1,300.54	1,840	-210	1,000.86	18,640	-2.8	820.30	12,090	-2.6
CAL YR 2004			-5.9			0			0
Jan. 31.....	1,312.59	3,130	+21.0	1,000.86	18,640	0	820.23	12,070	-0.3
Feb. 28.....	1,302.22	1,990	-20.5	1,000.83	18,630	-0.2	820.19	12,060	-0.2
Mar. 31.....	1,340.80	8,680	+109	996.12	16,610	-32.9	820.52	12,160	+1.6
Apr. 30.....	1,334.72	7,100	-26.6	997.53	17,210	+10.1	820.39	12,120	-0.7
May 31.....	1,329.36	5,920	-19.2	987.68	13,370	-62.5	820.41	12,120	0
June 30.....	1,325.68	5,190	-12.3	980.58	11,050	-39.0	818.85	11,760	-6.1
July 31.....	1,299.92	1,790	-55.3	980.00	10,860	-3.1	817.23	11,310	-7.3
Aug. 31.....	1,301.42	1,920	+2.1	980.44	11,010	+2.4	812.49	10,010	-21.1
Sept. 30.....	1,300.20	1,810	-1.8	974.81	9,410	-26.9	814.26	10,500	+8.2
WTR YR 2005			-1.2			-12.9			-2.3
Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (million gallons)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (million gallons)	Change in contents (equivalent in ft <sup>3</sup> /s)
01449790 Beltzville Lake				01455221 Merrill Creek Reservoir			01455400 Lake Hopatcong		
Sept. 30.....	627.65	40,920		922.52	15,590		9.46	7,846	
Oct. 31.....	627.99	41,240	+5.2	922.29	15,543	-2.3	8.78	7,280	-28.2
Nov. 30.....	631.95	45,150	+65.7	922.29	15,543	0	7.57	6,290	-51.1
Dec. 31.....	627.98	41,230	-63.8	922.49	15,584	+2.0	6.88	5,740	-27.4
CAL YR 2004			-0.1			-1			+5.5
Jan. 31.....	628.23	41,470	+3.9	922.72	15,631	+2.3	6.78	5,660	-4.0
Feb. 28.....	628.14	41,380	+1.6	922.63	15,612	-1.0	7.05	5,870	+11.6
Mar. 31.....	628.91	42,110	+11.9	922.68	15,622	+5	8.15	6,760	+44.4
Apr. 30.....	628.06	41,310	-13.4	922.60	15,606	-8	9.20	7,630	+44.9
May 31.....	628.52	41,740	-0.3	922.28	15,541	-3.2	9.01	7,470	-8.0
June 30.....	628.02	41,270	-7.9	921.99	15,482	-3.0	8.77	7,270	-10.3
July 31.....	628.08	41,330	+1.0	921.53	15,388	-4.7	8.62	7,140	-6.5
Aug. 31.....	627.67	40,940	-6.3	920.83	15,247	-7.0	8.16	6,770	-18.5
Sept. 30.....	623.95	37,510	-57.6	920.22	15,124	-6.3	7.58	6,300	-24.2
WTR YR 2005			-4.7			-2.0			-6.6

## RESERVOIRS IN DELAWARE RIVER BASIN—Continued

## MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)**	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)
01459350 Nockamixon Reservoir				01469200 Still Creek Reservoir			01470870 Blue Marsh Lake		
Sept. 30.....	397.40	43,700	---	1,182.10	8,320		292.12	25,400	
Oct. 31.....	395.04	40,300	-55.3	1,182.12	8,320	0	285.91	18,500	-112
Nov. 30.....	395.90	41,500	+20.2	1,182.27	8,360	+0.7	287.99	20,700	+37.0
Dec. 31.....	395.20	40,500	-16.3	1,182.17	8,340	-0.3	285.04	17,700	-48.8
CAL YR 2004			+7			0			-0.1
Jan. 31.....	396.30	42,000	+24.4	1,182.08	8,310	-0.5	285.28	17,900	+3.3
Feb. 28.....	b397.00	43,100	+19.8	1,182.06	8,300	-0.2	285.10	17,700	-3.6
Mar. 31.....	397.60	44,000	+14.6	1,182.17	8,340	+0.6	290.16	23,100	+87.8
Apr. 30.....	395.12	40,400	-60.5	1,182.00	8,290	-0.8	290.15	23,100	0
May 31.....	394.90	40,100	-4.9	1,181.33	8,110	-2.9	290.32	23,300	+3.3
June 30.....	395.00	40,200	+1.7	1,180.50	7,880	-3.9	290.19	23,100	-3.4
July 31.....	394.72	39,800	-6.5	1,178.58	7,350	-8.6	289.95	22,800	-4.9
Aug. 31.....	394.90	40,100	+4.9	1,174.33	6,160	-19.4	289.11	21,900	-14.6
Sept. 30.....	394.48	39,500	-10.1	1,173.25	5,860	-5.0	284.32	17,000	-82.3
WTR YR 2005			-5.8			-3.4			-11.6
Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)	Elevation (feet)†	Contents (acre-feet)	Change in contents (equivalent in ft <sup>3</sup> /s)
01472200 Green Lane Reservoir				01480399 Chambers Lake			01480684 Marsh Creek Lake		
Sept. 30.....	286.32	13,700		580.27	1,200		362.20	15,670	
Oct. 31.....	286.13	13,600	-1.6	580.20	1,190	-0.2	360.08	14,500	-19.5
Nov. 30.....	286.30	13,700	+1.7	580.75	1,250	1.0	361.78	15,440	+15.1
Dec. 31.....	286.12	13,500	-3.3	580.20	1,190	-1.0	359.35	14,100	-21.1
CAL YR 2004			-0.1			0			-0.7
Jan. 31.....	286.09	13,500	0	580.20	1,190	0	359.11	13,970	-1.6
Feb. 28.....	286.12	13,500	0	580.21	1,200	+0.2	357.84	13,330	-12.6
Mar. 31.....	286.28	13,700	+3.3	580.25	1,200	0	361.75	15,420	+34.2
Apr. 30.....	286.15	13,600	-1.7	580.24	1,200	0	360.45	14,710	-11.8
May 31.....	286.02	13,400	-3.3	580.17	1,190	-0.2	360.03	14,480	-3.3
June 30.....	286.12	13,500	+1.7	580.02	1,180	-0.2	359.90	14,400	-1.7
July 31.....	285.82	13,300	-3.3	580.00	1,180	0	359.90	14,400	0
Aug. 31.....	285.17	12,700	-9.8	579.22	1,120	-1.0	359.68	14,280	-1.6
Sept. 30.....	283.75	11,600	-18.5	576.98	959	-2.7	359.00	13,910	-6.7
WTR YR 2005			-2.9			-0.3			-2.5

\* Elevation at 0900 on the first day of the following month.

\*\* Elevation at 0700 on the first day of the following month.

† Elevation at 2400 on the last day of each month.

†† Elevation at daily reading on the first day of the following month.

a Contents were obtained using minimum pool elevation for usable storage of 1,160.00 ft, used since 2005 water year. Contents for 2004 water year were obtained using minimum pool elevation for usable storage of 1,170.00 ft

b Estimated. Ice cover on reservoir.

WITHDRAWALS FROM THE DELAWARE RIVER BASIN

01447750 Diversion from Bear Creek, PA, tributary to Lehigh River, by Pennsylvania-American Water Company for water supply outside of basin. Records provided by Delaware River Basin Commission.

01448830 Diversion from Hazle Creek Watershed by Hazelton Joint Sewerage Authority for municipal water supply. Waste effluent from the municipal water system is released to the Susquehanna River. Records provided by Delaware River Basin Commission.

01460440 Diversion by Delaware and Raritan Canal from Delaware River at Raven Rock, for municipal and industrial use. Water is discharged into the Raritan River at New Brunswick. Records of discharge are collected on the Delaware and Raritan Canal at Port Mercer since Aug. 1, 1990 (see station 01460440). Prior to Aug. 1, 1990, records of discharge were collected at Kingston.

MISCELLANEOUS WITHDRAWALS FROM BASIN, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MONTH	<u>01447750</u> Bear Creek	<u>01448830</u> Hazle Creek	<u>01460440</u> Delaware and Raritan Canal
October .....	0	5.04	132
November.....	0	5.14	128
December.....	0	6.00	122
CAL YR 2004	0	6.13	137
January .....	0	6.60	120
February.....	0	6.02	136
March.....	0	5.32	135
April.....	0	5.37	112
May.....	0	4.64	140
June.....	0	5.86	136
July.....	0	8.21	145
August.....	0	10.8	149
September.....	0	11.1	138
WTR YR 2005	0	6.68	133

## DIVERSIONS IN THE DELAWARE RIVER BASIN

- 01446572 Diversion from Delaware River at Brainards, NJ to Merrill Creek Reservoir for storage to augment low flow in the Delaware River. There is a conservation release of 3 ft<sup>3</sup>/s to lower Merrill Creek, which eventually reaches the Delaware River. Releases other than the conservation release are designated by a minus (-) sign. Records provided by Merrill Creek Reservoir Project. REVISED RECORDS.--WDR NJ-00-1: 1999.
- 01459005 Diversion from the Delaware River at Point Pleasant, PA by Philadelphia Electric Company to Bradshaw Reservoir on the East Branch Perkiomen Creek, tributary to Schuylkill River, to supplement flow to Limerick Power Station. Diversion began August 1989. Records provided by the Delaware River Basin Commission. REVISED RECORDS.--WDR NJ-00-1: 1999.
- 01463480 Diversion from the Delaware River at the Morrisville Filtration Plant, by the Borough of Morrisville, PA for municipal supply. The water withdrawn at this site is returned to the basin after treatment, only slightly diminished by consumptive uses and losses in transmission. Records provided by the Borough of Morrisville, PA.
- 01463490 Diversion from the Delaware River just above the Trenton gaging station by the city of Trenton, NJ for municipal supply. The water being withdrawn is returned to the basin after treatment only slightly diminished by consumptive uses and losses in transmission. Records provided by the City of Trenton. REVISED RECORDS.--WDR NJ-82-2: Station number.
- 01466899 Diversion from the Delaware River just above New Lisbon gaging station (see station 01466900) by Fort Dix, NJ, for municipal supply. The water being withdrawn at this intake is returned to the basin after treatment only slightly diminished by consumptive uses and losses in transmission. Records provided by the Fort Dix Directorate of Public Works. Diversions started in 1935.
- 01467029 Diversion from Delaware River at Delran, 0.7 mi downstream of Rancocas Creek, by New Jersey-American Water Company for municipal supply in Burlington, Camden, and Gloucester Counties (since April 1996). The water being withdrawn at this intake is returned to the basin at several locations after treatment, only slightly diminished by consumptive uses and losses in transmission. Records provided by Delaware River Basin Commission. Unpublished records 1996-2002 available from Delaware River Basin Commission
- 01467030 Diversion from the Delaware River at the Torresdale Intake, by the City of Philadelphia, PA for municipal supply. The water being withdrawn at this intake is returned to the basin after treatment only slightly diminished by consumptive uses and losses in transmission. Records provided by the Delaware River Basin Commission.
- 01474500 Diversion from the Schuylkill River at the Belmont and Queen Lane Intakes, by the City of Philadelphia, PA for municipal supply. The water being withdrawn at these intakes is returned after treatment within the Delaware River basin only slightly diminished by consumptive uses and losses in transmission. Records provided by the Delaware River Basin Commission.
- 01480642 Diversion from impoundment of Rock Run, just upstream of Rock Run Reservoir near Coatesville, PA, by Pennsylvania-American Water Company for municipal supply (since October 2003). Figures for the 2004-2005 water years include diversions from West Branch Brandywine Creek in Wagontown, PA, 4.4 mi upstream from the mouth of Rock Run. The water being withdrawn is returned to the basin after treatment, only slightly diminished by consumptive uses and losses in transmission. Records provided by Delaware River Basin Commission.

## DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MONTH	<u>01446572</u>	<u>01459005</u>	<u>01463480</u>	<u>01463490</u>	<u>01466899</u>
	Merrill Creek Reservoir	Point Pleasant	Borough of Morrisville	City of Trenton	Greenwood Branch
October	0	23.6	4.23	41.0	1.50
November	0	11.6	4.18	38.3	1.74
December	0	10.9	4.17	39.5	2.56
CAL YR 2004	0	28.5	4.49	44.9	1.38
January	-2.63	11.1	4.08	38.8	1.90
February	-2.40	10.9	4.10	44.8	2.48
March	-3.88	10.9	4.31	39.3	1.33
April	-10.7	10.5	4.28	48.0	1.66
May	0	48.0	4.65	44.2	2.02
June	0	48.2	4.74	50.2	1.62
July	0	37.1	4.84	52.1	2.01
August	0	49.1	4.89	54.9	1.93
September	0	52.2	4.75	52.8	1.34
WTR YR 2005	-1.61	27.1	4.44	45.3	1.84

  

MONTH	City of Philadelphia				
	<u>01467029</u>	<u>01467030</u>	<u>01474500</u>		<u>01480642</u>
			Delran	Delaware River Torresdale	
October	36.4	236	71.6	114	6.05
November	32.7	235	72.5	118	5.97
December	27.2	238	70.7	126	6.15
CAL YR 2004	30.4	246	75.4	119	6.19
January	27.7	250	74.3	121	6.28
February	29.7	264	76.9	117	6.42
March	30.4	256	73.7	107	6.40
April	28.9	252	74.5	103	6.47
May	32.6	242	72.0	109	6.74
June	36.9	256	74.0	120	6.99
July	34.9	264	79.9	121	7.20
August	36.4	237	82.8	132	7.19
September	41.0	231	79.7	128	7.07
WTR YR 2005	32.8	247	75.2	118	6.58

DIVERSIONS IMPORTED INTO THE DELAWARE RIVER BASIN

01367630 Water diverted from Morris Lake, tributary to the Wallkill River (Hudson River basin), by the Newton Water and Sewer Authority for municipal use. After use the water is released into the Paulins Kill (Delaware River basin). Records provided by the Delaware River Basin Commission.

01578420 Water diverted from West Branch Octoraro Creek (Susquehanna River basin) at the McCray Plant of the Coatesville Water Authority (formerly Octoraro Water Co.) for municipal use. After use the water is released into the Delaware River basin. Records provided by the Delaware River Basin Commission. Plant no longer in service as of October 2003.

01578450 Water diverted from Octoraro Lake (Susquehanna River basin) by Chester Water Authority for municipal use. After use the water is released into the Delaware River basin. Records provided by the Delaware River Basin Commission.

DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

MONTH	OCTORARO CREEK		
	<u>01367630</u> Morris Lake	<u>01578420</u> Coatesville Water Authority	<u>01578450</u> Chester Water Authority
October .....	1.53	0	59.1
November .....	1.55	0	49.6
December .....	1.70	0	54.6
CAL YR 2004	1.62	0	59.6
January .....	1.54	0	70.9
February .....	1.60	0	74.9
March .....	1.65	0	73.5
April .....	1.65	0	51.9
May .....	1.70	0	58.6
June .....	1.80	0	56.6
July .....	1.76	0	59.6
August .....	1.80	0	79.3
September .....	1.70	0	87.0
WTR YR 2005	1.67	0	64.6