

## SCHUYLKILL RIVER BASIN

## LAKES AND RESERVOIRS IN SCHUYLKILL RIVER BASIN

- 01469200 STILL CREEK RESERVOIR.**--Lat 40°51'25", long 75°59'30", Schuylkill County, 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 sea level (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, 8,400 acre-ft, Dec. 12, elevation, 1,182.4 ft; minimum contents, 7,190 acre-ft, Sept. 16, elevation, 1,178.0 ft.
- 01470870 BLUE MARSH LAKE.**--Lat 40°22'45", long 76°01'59", Berks County, 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 (U.S. Army Corps of Engineers datum).  
 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, 30,900 acre-ft, Aug. 13, elevation, 296.22 ft; minimum contents, 15,700 acre-ft, Mar. 25, elevation, 282.92 ft.
- 01472200 GREEN LANE RESERVOIR.**--Lat 40°20'30", long 75°28'45", Montgomery County, 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 sea level (levels by Aqua Pennsylvania 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 Aqua Pennsylvania 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, 14,500 acre-ft, July 28, elevation, 287.20 ft; minimum contents, 13,170 acre-ft, Apr. 12, elevation, 285.70 ft.
- 01472618 DISTRIBUTARY FROM BRADSHAW RESERVOIR.**--Lat 40°24'50", long 75°13'13", Bucks County, Hydrologic Unit 02040203, about 0.5 mi upstream from station 01472620, East Branch Perkiomen Creek near Dublin, Pa. PERIOD OF RECORD, October 1994 to current year.  
 REMARKS.--Water from the Delaware River near Point Pleasant is diverted to Bradshaw Reservoir located in Geddes Run Basin on Tohickon Creek, a tributary to the Delaware River, for consumptive use by the Philadelphia Electric Company. Figures in the table represent the equivalent monthly mean streamflow, in cubic feet per second, diverted from Bradshaw Reservoir to the East Branch Perkiomen Creek. COOPERATION.--Records provided by Philadelphia Electric Company.

## SCHUYLKILL RIVER BASIN

## Lakes and Reservoirs in Schuylkill River Basin--Continued

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND CONTENTS AT 2400 HRS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date                                  | Elevation<br>(feet) | Contents<br>(acre-<br>feet) | Change in<br>contents<br>(equivalent<br>in ft <sup>3</sup> /s) | Elevation<br>(feet)             | Contents<br>(acre-<br>feet) | Change in<br>contents<br>(equivalent<br>in ft <sup>3</sup> /s) |
|---------------------------------------|---------------------|-----------------------------|--|---------------------------------|-----------------------------|--|
| <u>01469200 Still Creek Reservoir</u> |                     |                             |  | <u>01470870 Blue Marsh Lake</u> |                             |  |
| Sept. 30                              | 1,181.7             | 8,210                       | --   | 286.38                          | 19,000                      | --   |
| Oct. 31                               | 1,182.2             | 8,340                       | +2.1   | 285.28                          | 17,900                      | -17.9  |
| Nov. 30                               | 1,182.2             | 8,340                       | 0  | 287.17                          | 19,800                      | +31.9  |
| Dec. 31                               | 1,182.1             | 8,320                       | -0.3   | 285.18                          | 17,800                      | -32.5  |
| CAL YR 2003                           | --                  | --                          | 0  | --                              | --                          | +0.3   |
| Jan. 31                               | 1,182.0             | 8,290                       | -0.5   | 285.00                          | 17,600                      | -3.3   |
| Feb. 29                               | 1,182.1             | 8,320                       | +0.5   | 285.43                          | 18,000                      | +7.0   |
| Mar. 31                               | 1,182.1             | 8,320                       | 0  | 284.03                          | 16,700                      | -21.1  |
| Apr. 30                               | 1,182.1             | 8,320                       | 0  | 290.19                          | 23,100                      | +108   |
| May 31                                | 1,180.8             | 7,960                       | -5.9   | 289.78                          | 22,600                      | -8.1   |
| June 30                               | 1,180.8             | 7,960                       | 0  | 290.17                          | 23,100                      | +8.4   |
| July 31                               | 1,180.2             | 7,800                       | -2.6   | 290.12                          | 23,000                      | -1.6   |
| Aug. 31                               | 1,179.3             | 7,550                       | -4.1   | 290.09                          | 23,000                      | 0  |
| Sept. 30                              | 1,182.1             | 8,320                       | +12.9  | 292.12                          | 25,400                      | +40.3  |
| WTR YR 2004                           | --                  | --                          | +0.2   | --                              | --                          | +8.8   |

| Date                                 | Elevation<br>(feet) | Contents<br>(acre-<br>feet) | Change in<br>contents<br>(equivalent<br>in ft <sup>3</sup> /s) |
|--------------------------------------|---------------------|-----------------------------|--|
| <u>01472200 Green Lane Reservoir</u> |                     |                             |  |
| Sept. 30                             | 286.17              | 13,600                      | --   |
| Oct. 31                              | 286.30              | 13,700                      | +1.6   |
| Nov. 30                              | 286.25              | 13,600                      | -1.7   |
| Dec. 31                              | 286.15              | 13,600                      | 0  |
| CAL YR 2003                          | --                  | --                          | 0  |
| Jan. 31                              | 286.07              | 13,500                      | -1.6   |
| Feb. 29                              | 286.11              | 13,500                      | 0  |
| Mar. 31                              | 286.10              | 13,500                      | 0  |
| Apr. 30                              | 286.14              | 13,600                      | +1.7   |
| May 31                               | 286.04              | 13,500                      | -1.6   |
| June 30                              | 286.01              | 13,400                      | -1.7   |
| July 31                              | 286.17              | 13,600                      | +3.3   |
| Aug. 31                              | 286.45              | 13,800                      | +3.3   |
| Sept. 30                             | 286.32              | 13,700                      | -1.7   |
| WTR YR 2004                          | --                  | --                          | +0.1   |

| Date | Monthly Mean<br>Discharge<br>(equivalent<br>in ft <sup>3</sup> /s) |
|------|--|
|------|--|

01472618 Distributary from Bradshaw Reservoir

|          |      |
|----------|------|
| Oct 2003 | 23.7 |
| Nov      | 10.4 |
| Dec      | 10.4 |
| Jan 2004 | 10.7 |
| Feb      | 10.2 |
| Mar      | 10.5 |
| Apr      | 15.0 |
| May      | 28.5 |
| June     | 29.2 |
| July     | 31.5 |
| Aug      | 34.6 |
| Sept     | 23.6 |