

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## LAKES AND RESERVOIRS IN WEST BRANCH SUSQUEHANNA RIVER BASIN

**01541180 CURWENSVILLE LAKE.**--Lat 40°57'13", long 78°31'40", Clearfield County, Hydrologic Unit 02050201, at Curwensville Dam on West Branch Susquehanna River, 0.7 mi upstream from State Highway 453, 1.2 mi south of Curwensville, and 2.5 mi upstream from Anderson Creek. DRAINAGE AREA, 365 mi<sup>2</sup>. PERIOD OF RECORD, November 1965 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir formed by earthfill dam with excavated chute spillway and concrete control sill at elevation 1,228.00 ft. Storage began in November 1965. Capacity at elevation 1,228.00 ft is 124,200 acre-ft. Conservation pool elevation is 1,155.00 ft, capacity, 4,870 acre-ft. Reservoir is used for flood control, recreation and study of water quality. Figures given herein represent total contents. Flow regulated by three gates and low-flow bypass system. Satellite and landline telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 87,650 acre-ft, June 25, 1972, elevation, 1,214.11 ft; minimum, 252 acre-ft, Nov. 6, 1968, elevation, 1,136.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 55,000 acre-ft, Sept. 19, elevation, 1,197.34 ft; minimum, 8,980 acre-ft, Mar. 20, elevation, 1,161.26 ft.

**01541340 GLENDALE LAKE.**--Lat 40°41'50", long 78°32'15", Cambria County, Hydrologic Unit 02050201, at Glendale Dam on Beaverdam Run, 1.0 mi upstream from Dutch Run, 1.3 mi southwest of Flinton, 1.9 mi above mouth, and 3.4 mi south of Coalport. DRAINAGE AREA, 41.9 mi<sup>2</sup>. PERIOD OF RECORD, January 1963 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir formed by an earth and rockfill dam with ungated concrete spillway at elevation 1,435.00 ft. Storage began Dec. 1, 1960. Capacity at elevation 1,435.00 ft is 41,200 acre-ft of which 15,900 acre-ft is controlled storage above elevation 1,427.00 ft. Dead storage is 25,300 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Outflow is controlled by 72-inch gate and an 8-inch bypass valve. Satellite telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 33,390 acre-ft, June 24, 1972, elevation, 1,431.63 ft; minimum, 10,640 acre-ft, Nov. 16, 1965, elevation, 1,415.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 29,930 acre-ft, Sept. 18, elevation, 1,429.84 ft; minimum, 25,670 acre-ft, July 12, elevation, 1,427.23 ft.

**01543900 FIRST FORK SINNEMAHONING CREEK RESERVOIR.**--Lat 41°24'25", long 78°01'10", Cameron County, Hydrologic Unit 02050202, at control tower of George B. Stevenson Dam on First Fork Sinnemahoning Creek, 8.0 mi northeast of Sinnemahoning, and 8.0 mi upstream from mouth. DRAINAGE AREA, 243 mi<sup>2</sup>. PERIOD OF RECORD, January 1956 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began Jan. 31, 1956. Capacity, 75,800 acre-ft between elevations 890.00 ft (sill of outlet gates) and 1,026.00 ft (crest of spillway). No dead storage. Ordinary minimum (conservation) pool elevation is 920.00 ft, capacity, 2,000 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Satellite telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 62,030 acre-ft, June 26, 1972, elevation, 1,015.87 ft; minimum, (after first filling), 37 acre-ft many days in October 1973, elevation, 891.84 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 33,220 acre-ft, Sept. 19, elevation, 987.20 ft; minimum, 1,950 acre-ft, Dec. 13, elevation, 919.50 ft.

**01544800 KETTLE CREEK LAKE** (formerly published as Alvin R. Bush Reservoir).--Lat 41°21'37", long 77°55'27", Clinton County, Hydrologic Unit 02050203, at control tower of dam on Kettle Creek, 1.1 mi downstream from Sugar Camp Run, and 8.5 mi upstream from mouth and Westport. DRAINAGE AREA, 226 mi<sup>2</sup>. PERIOD OF RECORD, February 1962 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir formed by an earthfill embankment, rock faced, with ungated concrete spillway at elevation 937.00 ft. Storage began Feb. 7, 1962; water in reservoir first reached conservation pool elevation in March 1962. Total capacity at elevation 937.00 ft is 75,000 acre-ft. No dead storage. Ordinary minimum (conservation) pool elevation is 840.00 ft, capacity, 1,590 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Storage is regulated by three gates and low-flow bypass system. Satellite and landline telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 52,960 acre-ft, Apr. 2, 1993, elevation, 920.23 ft; minimum, no storage, June 7, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 31,830 acre-ft, Sept. 19, elevation, 899.45 ft; minimum, 1,670 acre-ft, Aug. 1, Sept. 17, elevation, 840.51 ft.

**01547480 FOSTER JOSEPH SAYERS LAKE.**--Lat 41°02'53", long 77°36'35", Centre County, Hydrologic Unit 02050204, at Foster Joseph Sayers Dam on Bald Eagle Creek, 1.0 mi upstream from Marsh Creek, and 1.2 mi south of Blanchard. DRAINAGE AREA, 339 mi<sup>2</sup>. PERIOD OF RECORD, March 1971 to current year. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir formed by an earthfill dam with ungated concrete ogee weir at elevation 657.00 ft with abutting concrete gravity walls and partially paved exit channel. Storage began in March 1971. Capacity at elevation 657.00 ft is 99,100 acre-ft. Dead storage is 25 acre-ft. Ordinary minimum (conservation) pool elevation is 610.0 ft, capacity, 6,300 acre-ft. Reservoir used for flood control and recreation. Figures given herein represent total contents. Regulation is accomplished by two gates. Satellite and landline telemetry at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 103,900 acre-ft, June 25, 1972, elevation, 658.41 ft; minimum, 3,250 acre-ft, Oct. 27, 1987, elevation, 604.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 71,850 acre-ft, Sept. 20, elevation, 648.34 ft; minimum, 6,350 acre-ft, Feb. 25, elevation, 610.08 ft.

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## Lakes and Reservoirs in West Branch Susquehanna River Basin--Continued

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

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)
<u>01541180 Curwensville Lake</u>						
Sept. 30	1,161.96	9,510	--	1,427.67	26,370	--
Oct. 31	1,162.17	9,680	+2.8	1,427.58	26,230	-2.3
Nov. 30	1,162.08	9,610	-1.2	1,427.72	26,450	+3.7
Dec. 31	1,162.47	9,930	+5.2	1,427.74	26,480	+0.5
CAL YR 2003	--	--	+0.3	--	--	+9.1
Jan. 31	1,162.22	9,720	-3.4	1,427.35	25,860	-10.1
Feb. 29	1,162.03	9,560	-2.8	1,427.49	26,080	+3.8
Mar. 31	1,162.22	9,720	+2.6	1,427.65	26,340	+4.2
Apr. 30	1,161.99	9,530	-3.2	1,427.96	26,840	+8.4
May 31	1,162.38	9,860	+5.4	1,427.59	26,240	-9.8
June 30	1,162.43	9,900	+0.7	1,427.31	25,800	-7.4
July 31	1,162.41	9,880	-0.3	1,427.73	26,470	+10.9
Aug. 31	1,162.13	9,650	-3.7	1,427.55	26,180	-4.7
Sept. 30	1,161.97	9,520	-2.2	1,427.65	26,340	+2.7
WTR YR 2004	--	--	0	--	--	0
<u>01543900 F.F. Sinnemahoning Cr. Reservoir</u>						
Sept. 30	921.32	2,330	--	841.32	1,800	--
Oct. 31	920.75	2,220	-1.8	841.30	1,790	-0.2
Nov. 30	921.63	2,360	+2.4	841.46	1,820	+0.5
Dec. 31	921.34	2,330	-0.5	841.18	1,770	-0.8
CAL YR 2003	--	--	0	--	--	+0.1
Jan. 31	921.10	2,310	-0.3	841.26	1,780	+0.2
Feb. 29	920.86	2,260	-0.9	841.17	1,770	-0.2
Mar. 31	921.05	2,300	+0.7	841.13	1,760	-0.2
Apr. 30	921.40	2,340	+0.7	841.27	1,790	+0.5
May 31	922.22	2,430	+1.5	841.09	1,760	-0.5
June 30	921.25	2,320	-1.8	840.99	1,740	-0.3
July 31	920.71	2,210	-1.8	840.61	1,680	-1.0
Aug. 31	921.16	2,320	+1.8	841.28	1,790	+1.8
Sept. 30	923.90	2,680	+6.0	841.40	1,810	+0.3
WTR YR 2004	--	--	+0.5	--	--	0
<u>01547480 Foster Joseph Sayers Lake</u>						
Sept. 30	635.41	39,050	--			
Oct. 31	630.26	29,270	-159			
Nov. 30	626.46	23,160	-103			
Dec. 31	625.12	21,230	-31.4			
CAL YR 2003	--	--	-0.3			
Jan. 31	625.27	21,440	+3.4			
Feb. 29	610.39	6,560	-259			
Mar. 31	620.11	14,970	+137			
Apr. 30	629.32	27,680	+214			
May 31	630.25	29,250	+25.5			
June 30	630.13	29,030	-3.7			
July 31	632.88	34,060	+81.8			
Aug. 31	630.23	29,210	-78.9			
Sept. 30	636.73	41,820	+212			
WTR YR 2004	--	--	+3.8			