



Water-Data Report 2007

01544800 KETTLE CREEK LAKE AT KETTLE CREEK DAM, PA

West Branch Susquehanna Basin
Middle West Branch Susquehanna Subbasin

LOCATION.--Lat 41°21'37", long 77°55'27" referenced to North American Datum of 1927, Clinton County, PA, 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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is U.S. Army Corps of Engineers local project datum. Prior to water year 2007, the datum was incorrectly reported as NGVD 1929. Satellite and landline telemetry at station.

COOPERATION.--Content tables provided by U.S. Army Corps of Engineers. Station established and maintained by the U.S. Geological Survey in cooperation with the U.S. Army Corps of Engineers, Baltimore District.

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.

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

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,400 acre-ft, Mar 16, elevation, 852.68 ft; minimum, 1,480 acre-ft, Oct 24, elevation, 839.19 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation, in ft	Contents, in acre-ft	Change in contents, in ft ³ /s
Sep 30	841.07	1,760	
Oct 31	840.64	1,690	-1.1
Nov 30	841.04	1,750	+1.0
Dec 31	841.02	1,750	0
CAL YR 2006			0
Jan 31	841.35	1,800	+0.8
Feb 28	841.20	1,780	-0.4
Mar 31	841.23	1,780	0
Apr 30	841.09	1,760	-0.3
May 31	841.18	1,770	+0.2
Jun 30	841.22	1,780	+0.2
Jul 31	841.08	1,760	-0.3
Aug 31	841.59	1,840	+1.3
Sep 30	841.40	1,810	-0.5
WTR YR 2007			+0.1