



Water-Data Report 2007

01547480 FOSTER JOSEPH SAYERS LAKE, PA

West Branch Susquehanna Basin
Bald Eagle Subbasin

LOCATION.--Lat 41°02'53", long 77°36'35" referenced to North American Datum of 1927, Centre County, PA, 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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1971 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 dam with ungaged 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.

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

EXTREMES FOR CURRENT YEAR.--Maximum contents, 34,300 acre-ft, Nov 18, elevation, 633.01 ft; minimum, 6,510 acre-ft, Mar 8, elevation, 610.31 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	630.16	20,090	
Oct 31	630.17	29,100	+147
Nov 30	625.51	21,770	-123
Dec 31	625.14	21,260	-8.3
CAL YR 2006			-0.2
Jan 31	625.07	21,160	-1.6
Feb 28	614.90	9,920	-202
Mar 31	616.76	11,570	+26.8
Apr 30	629.64	28,210	+280
May 31	630.16	29,090	+14.3
Jun 30	630.43	29,570	+8.1
Jul 31	630.72	30,090	+8.5
Aug 31	630.60	29,870	-3.6
Sep 30	630.44	29,590	-4.7
WTR YR 2007			+13.1