

Water-Data Report 2013

**14218500 YALE RESERVOIR NEAR YALE, WA**

Lower Columbia Basin  
Lewis Subbasin

LOCATION.--Lat 45°57'50", long 122°19'53" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.32, T.6 N., R.4 E., Clark County, WA, Hydrologic Unit 17080002, at left bank on Yale Dam on Lewis River just upstream from intake, 500 ft upstream from powerhouse, 1.0 mi upstream from Canyon Creek, 3.2 mi southeast of Yale, and at mile 34.2.

DRAINAGE AREA.--596 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 1952 to current year.

GAGE.--Water-stage recorder and long distance indicator in powerhouse. Datum of gage is NGVD of 1929 (levels by PacifiCorp). Prior to Feb. 1, 1954, nonrecording indicator gage at same site and datum.

COOPERATION.--Hourly elevations, capacity table, and usable capacity furnished by PacifiCorp. Records reviewed by USGS.

REMARKS.--Reservoir is formed by rock and earthfill dam; storage began July 31, 1952; dam completed in 1952. Usable capacity, 185,000 acre-ft between elevations 430 ft, lower limit for economic operation, and 490 ft, top of spillway gates. Dead storage below elevation 417 ft, 168,800 acre-ft. Figures given herein represent total contents. Water is used by PacifiCorp for power generation. Revised capacity table based on 2006 bathymetry put into use on Oct. 1, 2008, replaces table dated June 21, 1954.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 402,500 acre-ft, May 13, 1961, elevation 490.15 ft; minimum contents observed since reservoir was first filled, 227,600 acre-ft, Feb. 22, 1957, elevation 435.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 384,000 acre-ft, May 31, elevation 489.54 ft; minimum contents; 320,500 acre-ft, Jan. 24, elevation 471.74 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
September 30	483.38	361,000	--
October 31	484.01	363,300	+2,300
November 30	482.98	359,600	-3,700
December 31	486.57	372,800	+13,200
Calendar Year 2012	--	--	+2,000
January 31	482.25	356,900	-15,900
February 28	483.98	363,200	+6,300
March 31	486.50	372,500	+9,300
April 30	485.80	369,900	-2,600
May 31	489.31	383,100	+13,200
June 30	487.51	376,300	-6,800
July 31	479.89	348,400	-27,900
August 31	487.87	377,700	+29,300
September 30	486.27	371,700	-6,000
Water Year 2013	--	--	+10,700