



Water-Data Report 2008

**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 and capacity table furnished by PacifiCorp. Records reviewed and two inspections made by USGS.

REMARKS.--Reservoir is formed by rock and earthfill dam; storage began July 31, 1952; dam completed in 1952. Usable capacity, 189,500 acre-ft between elevations 430 ft, lower limit for economic operation, and 490 ft, top of spillway gates. Dead storage below elevation 417 ft, 178,000 acre-ft. Figures given herein represent total contents. Water is used by PacifiCorp for power generation.

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, 401,500 acre-ft, July 3, elevation 489.93 ft; minimum contents; 296,900 acre-ft, Feb. 21, elevation 459.36.

MONTH-END ELEVATION AND CONTENTS AT 2400  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	486.51	388,700	--
October 31	486.07	387,100	-1,600
November 30	475.94	350,800	-36,300
December 31	475.13	348,100	-2,700
Calendar Year 2007	--	--	-16,100
January 31	478.36	359,300	+11,200
February 29	475.35	348,800	-10,500
March 31	484.20	380,200	+31,400
April 30	483.98	379,400	-800
May 31	485.95	386,600	+7,200
June 30	489.53	400,000	+13,400
July 31	489.70	400,700	+700
August 31	487.22	391,300	-9,400
September 30	485.04	383,300	-8,000
Water Year 2008	--	--	-5,400