

14237800 MAYFIELD RESERVOIR NEAR SILVER CREEK, WA

Lower Columbia Basin
Lower Cowlitz Subbasin

LOCATION.--Lat 46°30'13", long 122°35'11" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.20, T.12 N., R.2 E., Lewis County, WA, Hydrologic Unit 17080005, on right bank at Mayfield Dam on Cowlitz River, 0.3 mi downstream from Silver Creek, 4 mi south of town of Silver Creek, and at mile 52.0.

DRAINAGE AREA.--1,392 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Mar. 5, 1963, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete arch dam, completed April 1962; storage began Apr. 14, 1962. Usable capacity, 21,380 acre-ft between elevation 415 ft, lower limit of operation, and 425 ft, top of taintor gates. Dead storage below elevation 415 ft, 112,340 acre-ft. Crest of spillway is at elevation 385 ft. Water is used by City of Tacoma for power generation. Figures given herein represent total contents. Capacity table furnished by City of Tacoma. Chemical analyses December 1973 to September 1983 (samples were taken near the dam).

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 134,850 acre-ft, Dec. 9, 1971, elevation, 425.50 ft; minimum contents since normal operating level was attained, 112,830 acre-ft, June 4, 1969, elevation, 415.24 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 133,050 acre-ft, Feb. 15, elevation, 424.70 ft; minimum contents, 120,504 acre-ft, Dec. 3, elevation, 418.94 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
September 30	422.70	128,610	--
October 31	424.22	131,974	+3,364
November 30	423.58	130,546	-1,428
December 31	422.01	127,092	-3,454
Calendar Year 2007	--	--	+1,410
January 31	423.90	131,260	+4,168
February 29	424.30	132,150	+890
March 31	422.54	128,254	-3,896
April 30	422.41	127,972	-282
May 31	423.40	130,150	+2,178
June 30	422.74	128,698	-1,452
July 31	424.12	131,746	+3,048
August 31	424.12	131,746	+0
September 30	424.22	131,974	+228
Water Year 2008	--	--	+3,364