

## COWLITZ RIVER BASIN

1

14237800 MAYFIELD RESERVOIR NEAR SILVER CREEK, WA

LOCATION.--Lat 46°30'13", long 122°35'11", in SE 1/4 SW 1/4 sec.20, T.12 N., R.2 E., Lewis County, 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 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is sea level. 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, 132,666 acre-ft Nov. 8, elevation, 424.53 ft; minimum contents, 118,152 acre-ft Dec. 11, elevation, 417.82 ft.

## MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	422.73	128,676	---
Oct. 31.....	423.00	129,260	+584
Nov. 30.....	422.96	129,176	-84
Dec. 31.....	420.18	123,138	-6,038
CAL YR 2000.....	---	---	-7,968
Jan. 31.....	423.08	129,436	+6,298
Feb. 28.....	421.36	125,682	-3,754
Mar. 31.....	423.41	130,172	+4,490
Apr. 30.....	423.50	130,370	+198
May 31.....	423.78	130,994	+624
June 30.....	423.86	131,172	+178
July 31.....	423.62	130,634	-538
Aug. 31.....	423.61	130,612	-22
Sept. 30.....	423.68	130,766	+154
WTR YR 2001.....	---	---	+2,090