

## LEWIS RIVER BASIN

1

## 14217600 SWIFT RESERVOIR AT COUGAR, WA

LOCATION.-- Lat 46°03'38", long 122°11'44", in NE 1/4 SW 1/4 sec.28, T.7 N., R.5 E., Skamania County, Hydrologic Unit 17080002, at the intake structure near left bank on Swift Dam on Lewis River, 5.0 mi east of Cougar, and at mile 47.9.

DRAINAGE AREA.--481 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1958 to current year.

GAGE.--Water-stage recorder and long distance indicator in powerhouse. Datum of gage is NGVD of 1929 (levels by PacifiCorp).

REMARKS.--Hourly elevations for the year were furnished by PacifiCorp. Reservoir is formed by rock and earthfill dam; storage began Sept. 29, 1958; dam completed in December 1958. Usable capacity, 446,600 acre-ft between elevations 878 ft, lower limit for economic operation, and 1,000.5 ft, maximum operating limit. Dead storage unknown. Figures given herein represent total contents. Water is used by PacifiCorp for power generation. Capacity table furnished by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 759,100 acre-ft, Nov. 15, 1973, elevation 1,000.77 ft; minimum contents since reservoir was first filled, 325,100 acre-ft, May 1, 1967, elevation 883.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 755,500 acre-ft, Jul. 1, elevation 999.99 ft; minimum contents 516,900 acre-ft, Mar. 8, elevation 942.16 ft.

## MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	980.62	669,600	--
Oct. 31.....	963.55	599,000	-70,600
Nov. 30.....	980.34	668,400	+69,400
Dec. 31.....	977.05	654,500	-13,900
CAL YR 2001.....	--	--	+206,700
Jan. 31.....	965.63	607,400	-47,100
Feb. 28.....	948.97	542,200	-65,200
Mar. 31.....	958.22	577,900	+35,700
Apr. 30.....	996.24	738,500	+160,600
May 31.....	994.09	728,800	-9,700
June 30.....	999.74	754,400	+25,600
July 31.....	998.94	750,700	-3,700
Aug. 31.....	998.05	746,700	-4,000
Sept. 30.....	999.39	752,800	+6,100
WIR YR 2002.....	--	--	+83,200