



Water-Data Report 2006

14217600 SWIFT RESERVOIR AT COUGAR, WA

Lower Columbia Basin
Lewis Subbasin

LOCATION.--Lat 46°03'38", long 122°11'44" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.28, T.7 N., R.5 E., Skamania County, WA, 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 mi².

SURFACE-WATER RECORDS

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).

COOPERATION.--Hourly elevations and capacity table furnished by PacifiCorp. Records reviewed and one inspection made by USGS.

REMARKS.--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.

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, 755,300 acre-ft, June 13, elevation 999.93 ft; minimum contents; 498,100 acre-ft, Dec. 21, elevation 937.00 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400			
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006			
Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	982.23	676,500	--
October 31	978.86	662,100	-14,400
November 30	965.53	607,000	-55,100
December 31	974.30	643,000	+36,000
Calendar Year 2005	--	--	-46,000
January 31	989.94	710,200	+67,200
February 28	968.41	618,600	-91,600
March 31	951.89	553,300	-65,300
April 30	981.09	671,600	+118,300
May 31	998.90	750,500	+78,900
June 30	997.31	743,300	-7,200
July 31	997.50	744,200	+900
August 31	997.59	744,600	+400
September 30	991.09	715,300	-29,300
Water Year 2006	--	--	+38,800