

PUYALLUP RIVER BASIN

12101000 LAKE TAPPS NEAR SUMNER, WA

LOCATION.--Lat 47°14'28", long 122°11'26", in NE 1/4 NE 1/4 sec.8, T.20 N., R.5 E., Pierce County, Hydrologic Unit 17110014, 1.7 mi east of Dieringer, and 3.5 mi northeast of Sumner.

PERIOD OF RECORD.--November 1911 to current year. October 1934 to October 1950, change in contents published with records for Puyallup River at Puyallup. Monthend contents only November 1911 to September 1950, published in WSP 1316.

GAGE.--Water-stage recorder. Datum of gage is 0.7 ft above sea level (levels by Puget Sound Energy).

REMARKS.--Reservoir is formed by a diked natural lake into which a large part of the low-water flow of White River is diverted. Construction of dike began June 1910; storage began in 1911. Usable capacity (based on 1959 resurvey; capacity table dated July 28, 1959, put into use Oct. 1, 1958), 46,600 acre-ft between gage heights of 515 ft, normal minimum pool, and 543 ft, normal maximum pool. Dead storage unknown. Figures given herein represent usable contents. Reservoir is used for power development at the White River Powerplant at Dieringer. U.S. Geological Survey satellite telemeter at station.

COOPERATION.--Prior to October 1, 1990, and July 1996 to May 1997, gage-height record furnished by Puget Sound Energy. Contents curve furnished by Puget Sound Energy.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 51,710 acre-ft June 30, 1958, gage height, 541.57 ft, capacity table dated Jan. 19, 1920; maximum gage height observed, 543.07 ft July 8, 1990; minimum contents observed, not determined (below normal minimum pool) Apr. 3, 1978, gage height, 514.90 ft; minimum gage height, 505.70 ft June 24, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 46,630 acre-ft Aug. 2, gage height, 542.99 ft; minimum contents 16,558 acre-ft Nov. 23, gage height, 528.77 ft.

MONTHEND GAGE HEIGHT AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	539.67	38,535	--
Oct. 31.....	534.91	27,895	-10,640
Nov. 30.....	532.13	22,367	-5,528
Dec. 31.....	540.48	40,453	+18,086
CAL YR 2000.....	--	--	+239
Jan. 31.....	535.52	29,191	-11,262
Feb. 28.....	538.87	36,668	+7,477
Mar. 31.....	541.40	42,671	+6,003
Apr. 30.....	540.01	39,331	-3,340
May 31.....	542.59	45,623	+6,292
June 30.....	542.43	45,220	-403
July 31.....	542.54	45,497	+277
Aug. 31.....	542.24	44,741	-756
Sept. 30.....	542.18	44,590	-151
WTR YR 2001.....	--	--	+6,055