

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, 46,504 acre-ft June 7, gage height, 542.94 ft; minimum contents recorded, 4,821 acre-ft Mar. 30, 31, gage height, 519.88 ft, but likely less during this period (below normal minimum pool).

MONTHEND GAGE HEIGHT AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	541.98	44,088	--
Oct. 31.....	533.16	24,343	-19,745
Nov. 30.....	540.94	41,551	+17,208
Dec. 31.....	540.38	40,214	-1,337
CAL YR 1999.....	--	--	+7,012
Jan. 31.....	534.08	26,181	-14,033
Feb. 29.....	532.36	22,805	-3,376
Mar. 31.....	519.89	4,832	-17,973
Apr. 30.....	534.78	27,627	+22,795
May 31.....	542.68	45,850	+18,223
June 30.....	542.23	44,716	-1,134
July 31.....	542.40	45,144	+428
Aug. 31.....	542.00	44,137	-1,007
Sept. 30.....	539.67	38,535	-5,602
WTR YR 2000.....	--	--	-5,553