

UPPER MISSISSIPPI RIVER BASIN

05210500 POKEGAMA LAKE NEAR GRAND RAPIDS, MN

LOCATION.--Lat 47° 10'00", long 93° 33'20", in NW1/4 sec. 17, T.54 N., R.25 W., Itasca County, Hydrologic Unit 07010101, at narrows on U.S. Highway 169, 4 mi south of Grand Rapids and at mile 1,184 upstream from Ohio River.

DRAINAGE AREA.--3,265 mi².

PERIOD OF RECORD.--April 1884 to current year. Prior to October 1941 monthend contents only, published in WSP 1308. Published as Pokegama Reservoir near Grand Rapids, October 1941 to September 1956.

REVISED RECORDS.--WSP 1914: 1897(M).

GAGE.--Water-stage recorder. Datum of gage is in mean sea level (levels by U.S. Army Corps of Engineers). Prior to May 30, 1949, nonrecording gage at Pooles Arm of Pokegama Lake 5 mi northwest, and May 31, 1949 to July 12, 1973, water-stage recorder at same site and at datum 64.42 ft higher.

REMARKS.--Reservoir is formed by Pokegama Lake and several other natural lakes controlled by concrete dam; storage began in 1884; original timber dam completed in 1884, replaced by present structure in 1888-89. Capacity between elevation 1,270.42 ft and 1,276.42 ft (maximum allowable range) is 80,126 acre-ft of which 52,483 acre-ft is controlled storage between elevations 1,270.42 ft and 1,274.42 ft (normal operating range). Contents shown herein are contents above elevation 1,267.00 ft. Prior to September 1978, published contents as contents above elevation 1,268.92 ft. Water is used to benefit navigation on Mississippi River below Minneapolis.

COOPERATION.--Records were provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 153,200 acre-ft, May 1, 1996, elevation, 1,276.22 ft; maximum elevation, 1,277.92 ft, May 8, 1897; minimum contents observed, 4,520 acre-ft, below zero of capacity table then in use, Sept. 30, 1934, elevation, 1,268.54 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 149,400 acre-ft, Apr. 21, elevation, 1,276.05 ft; minimum, 59,500 acre-ft, Mar. 12, elevation, 1,270.73 ft.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep. 30....	1273.43	98050	
Oct. 31....	1273.04	92180	-5870
Nov. 30....	1272.35	81930	-10250
Dec. 31....	1271.43	68840	-13090

CAL YR 1996			-4830
Jan. 31....	1271.35	67760	-1080
Feb. 28....	1270.85	61090	-6670
Mar. 31....	1271.49	69680	+8590
Apr. 30....	1275.39	134400	+64720
May 31....	1273.27	95620	-38780
June 30....	1273.45	98380	+2760
July 31....	1273.30	96070	-2310
Aug. 31....	1273.31	96220	+150
Sep. 30....	1273.27	95620	-600
WTR YR 1997			-2430