



Water-Data Report 2009

**12380500 LOWER JOCKO LAKE NEAR ARLEE, MT**

Pend Oreille Basin  
Lower Flathead Subbasin

LOCATION.--Lat 47°12'10", long 113°45'35" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec.27, T.17 N., R.17 W., Missoula County, MT, Hydrologic Unit 17010212, at dam on Jocko River, 15 mi east of Arlee, and at river mile 39.3.

DRAINAGE AREA.--7.39 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 1939, April 1940, September, 1940, to current year (no winter records most years since 1947). Records for November 1957, published only in Water Supply Paper (WSP) 1736. May to July 1948 scattered daily contents, published in WSP 1080. Nonrecording gage read at end of month.

COOPERATION.--Records furnished by the Bureau of Indian Affairs.

REMARKS.--Reservoir is formed by an earthfill dam; storage began in 1937. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 6,380 acre-ft between elevation 4,267.0 ft and 4,340.0 ft. Prior to 1960, usable capacity was 7,600 acre-ft at elevation 4,350 ft and from 1960-1992, usable capacity was 5,380 acre-ft. Dead storage is unknown below elevation 4,267 ft, sill of outlet conduit. Some water may be diverted to St. Mary's Lake for use in the Mission Valley. Figures given herein represent usable contents. Water is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 6,700 acre-ft, June 9, 1948, elevation, 4,342.7 ft; no storage at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum monthend contents observed, 5,430 acre-ft, May 31, elevation, 4,331.55 ft; no storage from October 2008 through March 2009.

**UPPER AND LOWER JOCKO RESERVOIRS,  
MONTHEND CONTENTS, IN ACRE-FEET  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Upper Jocko Lake (12380000)	Lower Jocko Lake (12380500)
October 31	0	195
November 30	0	472
December 31	0	0
January 31	0	0
February 28	0	0
March 31	0	0
April 30	730	2,310
May 31	2,530	5,430
June 30	2,320	4,770
July 31	1,610	3,090
August 31	0	2,100
September 30	0	72