



Water-Data Report 2006

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, Hydrologic Unit 17010212, at dam on Jocko River, 15 mi east of Arlee, and at river mile 39.3.

DRAINAGE AREA.--7.39 mi².

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 WSP 1736. May to July 1948 scattered daily contents, published in Water Supply Paper 1080. Nonrecording gage read at end of month.

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

REMARKS.--Reservoir is formed by 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 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 then 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 contents observed, 4,860 acre-ft, June 30, elevation, 4,326.20 ft; no storage most of year.

**UPPER AND LOWER JOCKO RESERVOIRS,
MONTHEND CONTENTS, IN ACRE-FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Upper Jocko	Lower Jocko
	Lake (12380000)	Lake (12380500)
October 31	0	0
November 30	0	0
December 31	0	0
January 31	0	0
February 28	0	0
March 31	0	0
April 30	1,770	1,060
May 31	1,690	4,860
June 30	1,530	4,300
July 31	0	3,270
August 31	0	240
September 30	0	0