



Water-Data Report 2006

**12378300 KICKING HORSE RESERVOIR NEAR CHARLO, MT**

Pend Oreille Basin  
Lower Flathead Subbasin

LOCATION.--Lat 47°27'25", long 114°04'35" referenced to North American Datum of 1927, Lake County, Hydrologic Unit 17010212, at outlet works 4 mi northeast of Charlo.

DRAINAGE AREA.--Off channel storage reservoir.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 1939, April 1940, September 1949 to current year.

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

REMARKS.--Kicking Horse Reservoir is of a group of eight reservoirs known as the Mission Valley Reservoirs. The reservoirs are located in an area east of and tributary to Flathead River and between Flathead Lake and Jocko River, Lake County, Hydrologic Unit 17010212, and are operated for irrigation. Nonrecording gages are read on the last day of the month. Figures given herein represent usable contents. April to July 1948 monthend contents and daily maximum for individual reservoirs, published in Water Supply Paper 1080.

Reservoir is formed by earthfill dam; storage began in 1930. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 9,200 acre-ft between elevation 3,042.00 ft and 3,061.94 ft. Prior to 1993, usable capacity was 8,350 acre-ft. Dead storage is 70 acre-ft below elevation 3,042.0 ft. Reservoir is fed entirely by canals leading from South Crow Creek and Post Creek. Prior to 1988 water year, published as 12379700 Kicking Horse Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 10,320 acre-ft, June 30, 1976, May 31, 1980, elevation, 3,064.4 ft; no storage Aug. 31, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 9,360 acre-ft, June 30, elevation, 3,063.20 ft; minimum observed, 890 acre-ft, Aug. 31, elevation, 3,047.60 ft.

**MISSION VALLEY RESERVOIRS, MONTHEND CONTENTS, IN ACRE-FEET  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Turtle (12371000)	Lower Crow (12376700)	Mission (12377200)	St. Marys (12377300)	Pablo (12377900)	McDonald (12378200)	Kicking Horse (12378300)	Ninepipe (12378400)	Total of 8
October 31	511	5,340	1,560	3,130	11,630	1,480	1,900	1,460	27,010
November 30	511	6,400	1,600	1,250	11,520	1,420	3,430	1,530	27,660
December 31	511	6,760	1,270	0	11,520	1,075	5,160	1,930	38,230
January 31	524	4,680	1,220	0	11,990	886	5,380	2,180	26,860
February 28	519	3,910	1,150	0	11,630	820	5,450	2,200	25,680
March 31	304	2,140	1,080	183	12,130	756	4,650	2,930	24,170
April 30	465	3,140	1,760	2,020	12,270	1,670	2,020	6,800	30,140
May 31	866	3,620	3,310	16,120	14,110	4,570	6,380	7,310	56,290
June 30	875	4,880	8,190	22,880	25,180	8,240	9,360	15,420	95,030
July 31	500	2,970	7,340	17,000	8,590	5,850	4,650	8,670	55,570
August 31	111	1,690	2,680	5,610	1,920	617	890	1,230	14,750
September 30	506	2,830	876	2,710	7,060	430	1,330	944	16,690