

06015300 CLARK CANYON RESERVOIR NEAR GRANT, MT

Missouri Headwaters Basin
Red Rock Subbasin

LOCATION.--Lat 44°59'59", long 112°51'34", revised, referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.32, T.9 S., R.10 W., Beaverhead County, MT, Hydrologic Unit 10020001, in shaft house near left end of dam on Beaverhead River, 1.5 mi upstream from Clark Canyon Creek, 10 mi east of Grant, and at river mile 2,483.9.

DRAINAGE AREA.--2,321 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1964 to current year (monthend contents only). Records of daily elevations are in files of the USGS Water Science Center located in Helena, Montana.

GAGE.--Water-stage recorder in shaft house. Elevation of gage is 5,455 ft, referenced to the National Geodetic Vertical Datum of 1929, (levels by Bureau of Reclamation).

COOPERATION.--Elevations and capacity table furnished by Bureau of Reclamation.

REMARKS.--Reservoir is formed by zoned earthfill dam with concrete control works and spillway completed in October 1964. Storage began Aug. 28, 1964 (uncontrolled storage began June 10, 1964). Capacity table effective Oct. 1, 2001. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 253,400 acre-ft between elevation 5,470.60 ft, invert of outlet works, and 5,560.40 ft, top of flood control. Dead storage is 1,060 acre-ft, below elevation 5,470.60 ft. Normal operating level is 174,400 acre-ft at elevation 5,546.10 ft. Minimum operating level is 1,060 acre-ft at elevation 5,470.60 ft. Figures given herein represent usable contents. Total contents published in previous water-supply papers and annual reports for May 1964 to September 1975. Water is used for irrigation, flood control, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 283,000 acre-ft, June 25, 1984, elevation, 5,564.70 ft; minimum after normal operating level was reached, 9,660 acre-ft, Aug. 18, 19, 2003, elevation, 5,490.01 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 226,900 acre-ft, July 18, elevation, 5,556.00 ft; minimum, 139,900 acre-ft, Oct. 12, elevation, 5,539.37 ft.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS,
SEPTEMBER 2010 TO SEPTEMBER 2011**

| Date | Elevation (feet) | Contents (acre-feet) | Change in Contents (acre-feet) |
|--------------------|---------------------|-------------------------|-----------------------------------|
| September 30 | 5,539.78 | 141,900 | -- |
| October 31 | 5,540.45 | 145,100 | +3,200 |
| November 30 | 5,541.88 | 152,000 | +6,900 |
| December 31 | 5,542.89 | 157,000 | +5,100 |
| Calendar Year 2010 | -- | -- | +4,200 |
| January 31 | 5,543.36 | 159,400 | +2,300 |
| February 28 | 5,543.29 | 159,000 | -400 |
| March 31 | 5,543.60 | 160,600 | +1,600 |
| April 30 | 5,544.22 | 163,700 | +3,100 |
| May 31 | 5,545.67 | 171,100 | +7,400 |
| June 30 | 5,554.26 | 217,100 | +46,000 |
| July 31 | 5,553.97 | 215,500 | -1,600 |
| August 31 | 5,547.76 | 181,900 | -33,600 |
| September 30 | 5,542.35 | 154,400 | -27,500 |
| Water Year 2011 | -- | -- | +12,500 |