



Water-Data Report 2009

**06435000 BELLE FOURCHE RESERVOIR NEAR BELLE FOURCHE, SD**

Belle Fourche Basin  
Lower Belle Fourche Subbasin

LOCATION.--Lat 44°44'12", long 103°40'27" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.18, T.9 N., R.4 E., Butte County, SD, Hydrologic Unit 10120202, at dam on Owl Creek, 9.8 mi northeast of Belle Fourche.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1912 to current year (monthend contents only).

GAGE.--Water-stage recorder. Elevations listed to NGVD of adjustment of 1912. Prior to June 6, 1967, nonrecording gage at present site and datum.

COOPERATION.--Records of elevation and contents provided by Bureau of Reclamation. Data available from Bureau of Reclamation at: [http://www.usbr.gov/gp-bin/arcweb\\_bfr.pl](http://www.usbr.gov/gp-bin/arcweb_bfr.pl); elevation and end of month content data at: [http://www.usbr.gov/gp-bin/res070\\_form.pl?BFR](http://www.usbr.gov/gp-bin/res070_form.pl?BFR)

REMARKS.--Offstream reservoir formed by earthfill dam. Storage began in May 1910; dam completed in April 1911. Conservation capacity, 185,277 acre-ft (1949 survey), between elevations 2,927.0 ft (lowest outlet) and 2,975.0 ft. Dead storage below elevation 2,927.0 ft, 3,100 acre-ft. Figures given herein represent contents above elevation 2,927.0 ft. Water diverted from Belle Fourche River through Inlet Canal (see station 06434505) is stored in Belle Fourche Reservoir for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 197,400 acre-ft, Apr. 30, 1919, May 20, 1920, elevation, 2,974.9 ft; minimum observed, -3,000 acre-ft, Sept. 30, 1936, water was lowered below dead storage level of 2,927.0 ft by opening holes in crib walls.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 172,300 acre-ft, Apr. 17, elevation, 2,975.31 ft; minimum, 94,300 acre-ft, Oct. 20, elevation, 2,964.15 ft.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Elevation	Contents (acre feet)	Change in contents (acre-feet)
Sept. 30.....	2,964.31	95,200	--
Oct. 31.....	2,964.68	97,400	2,200
Nov. 30.....	2,967.35	113,800	16,400
Dec. 31.....	2,969.04	125,000	11,200
<b>CAL YR 2008</b>	--	--	58,300
Jan. 31.....	2,971.05	139,400	14,400
Feb. 28.....	2,972.93	153,500	14,100
Mar. 31.....	2,974.53	166,000	12,500
Apr. 30.....	2,974.27	164,000	-2,000
May 31.....	2,974.84	168,500	4,500
June 30.....	2,974.30	164,200	-4,300
July 31.....	2,971.42	142,100	-22,100
Aug. 31.....	2,969.83	130,600	-11,500
Sept. 30.....	2,967.51	114,800	-15,800
<b>WTR YR 2009</b>	--	--	19,600