



Water-Data Report 2011

**06467000 LEWIS AND CLARK LAKE NEAR YANKTON, SD**

Lewis and Clark Lake Basin  
 Lewis and Clark Lake Subbasin

LOCATION.--Lat 42°50'56", long 97°28'54" referenced to North American Datum of 1927, in SW ¼ sec.7, T.33 N., R.1 W., Cedar County, NE, Hydrologic Unit 10170101, in powerhouse of Gavins Point Dam on Missouri River, 3.75 mi southwest of Yankton, 13.6 mi upstream from James River, 32.5 mi downstream from Niobrara River, and at mile 811.0.

DRAINAGE AREA.--279,500 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1955 to current year (monthend contents only). Prior to October 1955, published as Gavins Point Reservoir near Yankton.

GAGE.--Water-stage recorder. Elevations listed to NGVD of 1929. Prior to Dec. 9, 1955, recorder at temporary location on wall of intake structure unit 3.

COOPERATION.--Records of elevation and contents provided by U.S. Army Corps of Engineers.

REMARKS.--Reservoir is formed by earthfill dam; storage began in July 1955. Maximum capacity, 504,000 acre-ft below elevation 1,210.0 ft (top of spillway gates). Normal maximum, 442,600 acre-ft below elevation 1,208.0 ft. Inactive storage, 157,000 acre-ft below elevation 1,195.0 ft. Dead storage, 23,000 acre-ft below elevation 1,180.0 ft (crest of spillway). From capacity table put into use Nov. 1, 1986; maximum capacity, 491,700 acre-ft. Normal maximum, 432,000 acre-ft. Inactive storage, 149,400 acre-ft. Dead storage, 17,700 acre-ft. Figures given herein represent elevations at powerhouse and total contents adjusted for wind effect. The spillway consists of 14 taintor gates, each 40 ft wide by 30 ft high; spillway capacity, 280,000 ft<sup>3</sup>/s at pool elevation 1,210.0 ft. Crest of spillway is at elevation 1,180.0 ft. Normal releases are through 3 power units, installation completed in January 1957; maximum release through power units is 35,000 ft<sup>3</sup>/s at pool elevation, 1,210.0 ft. Water is used for flood control, navigation, power, and incidental uses.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 565,000 acre-ft, Apr. 1, 1960, affected by wind; maximum elevation, 1,210.6 ft, Mar. 29, 1960; minimum since initial filling, 61,950 acre-ft, Apr. 23, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 410,000 acre-ft, Feb. 19; minimum contents, 312,000 acre-ft, May 3.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS  
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Elevation	Contents (acre feet)	Change in contents (acre-feet)
Sept. 30.....	1208.11	396,000	--
Oct. 31.....	1207.61	383,000	-13,000
Nov. 30.....	1207.18	370,000	-13,000
Dec. 31.....	1207.84	388,000	+18,000
<b>CAL YR 2010</b>	--	--	+78,000
Jan. 31.....	1207.20	373,000	-15,000
Feb. 28.....	1205.48	330,000	-43,000
Mar. 31.....	1206.47	354,000	+24,000
Apr. 30.....	1205.71	326,000	-28,000
May 31.....	1206.45	354,000	+28,000
June 30.....	1206.34	350,000	-4,000
July 31.....	1205.80	339,000	-11,000
Aug. 31.....	1206.60	357,000	+18,000
Sept. 30.....	1207.28	374,000	+17,000
<b>WTR YR 2011</b>	--	--	-22,000

NOTE.—Lake frozen over Dec. 21 to Mar. 24.