



Water-Data Report 2012

**08136600 O. H. Ivie Reservoir near Voss, TX**

Middle Colorado-Concho Basin  
Middle Colorado Subbasin

LOCATION.--Lat 31°30'00", long 99°40'05" referenced to North American Datum of 1927, Coleman County, TX, Hydrologic Unit 12090106, on left bank, in outlet structure of Freese-Nichols Dam on Colorado River, 8.0 mi northeast of Millersview, 10.0 mi southwest of Voss, and at mile 615.1.

DRAINAGE AREA.--24,038 mi<sup>2</sup> of which 11,391 mi<sup>2</sup> probably is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Sept. 1990 to Sept. 2003 (daily mean contents), Oct. 2003 to Sept. 2004 (daily mean elevation), Oct. 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage determined from Colorado River Municipal Water District survey point (vertical control unknown). Satellite telemeter at station.

COOPERATION.--Records of diversions may be obtained from the Colorado River Municipal Water District.

REMARKS.--Records good. The lake is formed by a concrete dam and spillway with six 50- by 40-foot tainter gates, and a 6,000 ft overflow spillway with a 2,000 ft tapered fuse plug release feature. Total length of the dam is 12,000 ft. The dam was completed and storage began Mar. 15, 1990. Recording equipment was installed May 30, 1990, but water did not reach the sensing point until Sept. 21, 1990 (at an elevation of 1,502.05 ft). The dam is owned by the Colorado River Municipal Water District. Water is utilized for municipal use for several West Texas communities, the city of San Angelo being the largest user. The capacity curve is based on a survey made in 1989 by Freese and Nichols, Consulting Engineers, Fort Worth, TX. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	1,584.0
Crest of overflow spillway.....	1,563.0
Crest of spillway (tainter gates sill).....	1,528.0
Lowest gated outlet (service outlet).....	1,440.0

EXTREMES FOR PERIOD OF RECORD.--Sept. 1990 to Sept. 2003, Oct. 2004 to current year: Maximum contents, 574,700 acre-ft, June 26, 1997; minimum contents after initial filling, 65,340 acre-ft, Sept. 27, 2012; Sept. 1990 to current year: Maximum elevation, 1,552.55 ft, June 26, 1997; minimum elevation, 1,504.30 ft, Sept. 27, 2012.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 139,400 acre-ft, Sept. 30, gage height, 1,518.87 ft; minimum contents, 65,340 acre-ft, Sept. 27, gage height, 1,504.30 ft.

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	113,000	108,600	102,200	99,170	98,120	98,510	96,730	90,720	91,500	84,200	77,640	70,780
2	112,700	108,400	102,000	98,970	98,050	98,420	96,590	90,490	91,190	83,870	77,370	70,550
3	112,400	108,000	101,900	98,760	98,040	98,280	96,450	90,220	90,940	83,610	77,060	70,320
4	112,000	107,700	101,900	98,620	98,010	98,060	96,260	89,950	90,680	83,310	76,740	70,120
5	111,700	107,300	102,200	98,500	97,850	97,920	96,090	89,610	90,430	83,050	76,490	69,900
6	111,400	107,200	102,100	98,350	97,690	97,750	95,870	89,320	90,230	82,850	76,240	69,680
7	111,000	106,900	101,800	98,250	97,670	97,650	95,710	89,120	89,920	82,600	75,970	69,460
8	111,200	107,000	101,700	98,150	97,600	97,650	95,600	89,420	89,650	82,330	75,680	69,190
9	112,800	106,800	101,600	98,300	97,480	97,710	95,430	89,310	89,330	82,100	75,520	68,900
10	113,000	106,400	101,400	98,330	97,450	97,870	95,310	89,690	89,000	82,010	75,330	68,650
11	113,500	106,200	101,400	98,300	97,240	98,190	95,190	91,210	88,790	81,980	75,070	68,380
12	113,700	106,000	101,300	98,190	97,070	98,240	95,020	93,880	89,060	81,770	74,790	68,150
13	113,600	105,800	101,200	98,110	97,120	98,280	94,880	94,470	88,790	81,570	74,500	67,960
14	113,400	105,600	101,200	98,090	97,040	98,270	94,680	94,560	88,550	81,290	74,280	67,750
15	113,200	105,500	101,300	98,010	96,970	98,230	94,560	94,870	88,260	81,040	74,010	67,580
16	113,000	105,300	101,400	97,970	96,810	98,220	94,280	94,840	88,030	80,840	73,770	67,460
17	112,800	104,900	101,200	97,900	96,920	98,180	94,070	94,720	87,780	80,660	73,570	67,320
18	112,500	104,700	101,100	97,810	97,600	98,070	93,850	94,570	87,690	80,450	73,470	67,180
19	112,100	104,600	101,100	97,770	98,070	98,120	93,790	94,470	87,400	80,220	73,290	66,980
20	111,600	104,400	101,000	97,670	98,650	98,260	93,790	94,330	87,100	80,010	73,140	66,790
21	111,400	104,200	100,700	97,570	99,060	98,160	93,420	94,200	86,870	79,810	72,830	66,600
22	111,100	104,000	100,700	97,510	99,290	97,940	93,160	93,980	86,660	79,670	72,570	66,420
23	110,900	103,800	100,400	97,340	99,280	97,840	92,860	93,760	86,430	79,470	72,390	66,230
24	110,700	103,600	100,300	97,220	99,140	97,750	92,630	93,530	86,190	79,420	72,160	66,010
25	110,400	103,400	100,200	97,800	98,940	97,670	92,480	93,220	85,980	79,170	71,950	65,790
26	110,200	e103,200	100,000	98,000	98,820	97,530	92,260	92,840	85,750	79,000	71,790	65,560
27	109,900	103,000	99,910	98,020	98,730	97,390	91,950	92,470	85,510	78,800	71,680	65,410
28	109,600	102,800	99,770	98,150	98,690	97,290	91,570	92,260	85,220	78,560	71,560	65,530
29	109,200	102,600	99,590	98,200	98,630	97,170	91,240	91,960	84,910	78,340	71,370	73,760
30	109,000	102,400	99,440	98,160	---	97,050	91,020	91,750	84,570	78,070	71,160	128,200
31	108,800	---	99,310	98,150	---	96,940	---	91,820	---	77,840	70,990	---
<b>Mean</b>	111,700	105,300	101,000	98,110	98,000	97,890	94,220	92,310	88,080	80,900	74,010	70,090
<b>Max</b>	113,700	108,600	102,200	99,170	99,290	98,510	96,730	94,870	91,500	84,200	77,640	128,200
<b>Min</b>	108,800	102,400	99,310	97,220	96,810	96,940	91,020	89,120	84,570	77,840	70,990	65,410

	Calendar Year 2011	Water Year 2012
<b>Mean</b>	140,100	92,640
<b>Max</b>	180,600	128,200
<b>Min</b>	99,310	65,410

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