



Water-Data Report 2008

08123755 Moss Creek Lake near Coahoma, TX

Upper Colorado Basin
Beals Subbasin

LOCATION.--Lat 32°14'37", long 101°18'41" referenced to North American Datum of 1927, Howard County, TX, Hydrologic Unit 12080007, 195 ft left of service outlet structure at Moss Creek Dam on Moss Creek, 1.4 mi upstream from mouth, 3.4 mi south of Coahoma, and 7.4 mi east of Big Spring.

DRAINAGE AREA.--26.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Feb. 1999 to Sept. 2002 (contents), Oct. 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. 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 rolled earthfill dam 2,450 ft long. The dam was completed in 1939. The dam and reservoir are owned by the city of Big Spring. The city of Big Spring operates the reservoir for recreational purposes. The Colorado River Municipal Water District owns the water rights for municipal and industrial use. The uncontrolled south emergency spillway is 250 ft wide through natural ground at right end of dam. The uncontrolled north emergency spillway is 400 ft wide with concrete sill at left end of dam. The service spillway is gate operated with a rectangular shaped inlet feeding into a pipe fitted inside the west conduit. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	2,343.5
Crest of south emergency spillway.....	2,338.7
Crest of north emergency spillway.....	2,337.5
Crest of service outlet.....	2,330.5

EXTREMES FOR PERIOD OF RECORD.--Feb. 1999 to Sept. 2002: Maximum contents, 4,090 acre-ft, Mar. 23, 2000; minimum contents, 536 acre-ft, Sept. 21, 2001; Feb. 1999 to current year: Maximum elevation, 2,340.86 ft, Mar. 23, 2000; minimum elevation, 2,311.65 ft, Sept. 21, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 2,333.15 ft, Nov. 13; minimum recorded elevation, 2,312.90 ft, Aug. 17.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,330.74	2,331.96	2,332.63	2,331.78	2,330.60	2,332.12	2,331.88	2,330.37	2,329.62	2,327.26	2,318.95	2,315.40
2	2,330.69	2,332.04	2,332.58	2,331.53	2,330.68	2,332.15	2,331.93	2,330.37	2,329.68	2,327.14	2,318.64	2,315.60
3	2,330.57	2,332.13	2,332.52	2,331.46	2,330.83	2,332.04	2,331.83	2,330.40	2,329.76	2,327.08	2,318.34	2,315.81
4	2,330.47	2,332.26	2,332.51	2,331.31	2,330.96	2,332.08	2,331.87	2,330.45	2,329.73	2,326.98	2,317.95	2,315.99
5	2,330.43	2,332.36	2,332.47	2,331.27	2,331.05	2,332.13	2,331.98	2,330.54	2,329.74	2,326.89	2,317.53	2,316.14
6	2,330.47	2,332.42	2,332.47	2,331.22	2,331.20	2,331.94	2,332.05	2,330.66	2,329.75	2,326.78	2,317.11	2,316.27
7	2,330.55	2,332.52	2,332.40	2,331.12	2,331.48	2,331.77	2,331.85	2,330.76	2,329.80	2,326.55	2,316.71	2,316.38
8	2,330.64	2,332.61	2,332.36	2,330.92	2,331.76	2,331.87	2,331.73	2,330.81	2,329.88	2,326.30	2,316.29	2,316.53
9	2,330.74	2,332.65	2,332.32	2,330.76	2,331.85	2,332.00	2,331.77	2,330.81	2,329.91	2,326.06	2,315.89	2,316.76
10	2,330.81	2,332.76	2,332.29	2,330.66	2,331.92	2,331.91	2,331.80	2,330.77	2,329.94	2,325.83	2,315.44	2,316.99
11	2,330.88	2,332.86	2,332.28	2,330.49	2,332.06	2,331.85	2,331.87	2,330.73	2,329.89	2,325.57	2,314.86	2,317.22
12	2,330.99	2,333.01	2,332.30	2,330.28	2,332.18	2,331.82	2,331.84	2,330.83	2,329.64	2,325.28	2,314.53	2,317.48
13	2,331.07	2,333.09	2,332.30	2,330.12	2,332.30	2,331.79	2,331.83	2,330.82	2,329.66	2,325.06	2,314.12	2,317.76
14	2,331.13	2,333.04	2,332.26	2,330.02	2,332.44	2,331.75	2,331.83	2,330.80	2,330.05	2,324.83	2,313.76	2,317.98
15	2,331.16	2,332.99	2,332.33	2,329.85	2,332.49	2,331.69	2,331.90	2,330.55	2,330.04	2,324.58	2,313.41	2,318.28
16	2,331.23	2,332.94	---	2,329.63	2,332.43	2,331.64	2,331.95	2,330.29	2,330.05	2,324.30	2,313.07	2,318.47
17	2,331.25	2,332.88	2,332.32	2,329.62	2,332.54	2,331.66	2,331.95	2,330.30	2,330.03	2,324.10	2,313.08	2,318.64
18	2,331.34	2,332.83	2,332.30	2,329.65	2,332.52	2,331.57	2,331.92	2,330.37	2,329.94	2,323.85	2,313.36	2,318.79
19	2,331.40	2,332.78	2,332.32	2,329.79	2,332.49	2,331.57	2,331.99	2,330.32	2,329.87	2,323.57	2,313.55	2,318.94
20	2,331.49	2,332.70	2,332.15	2,330.00	2,332.55	2,331.73	2,332.06	2,330.21	2,329.98	2,323.32	2,313.44	2,319.07
21	2,331.56	2,332.77	2,332.05	2,330.23	2,332.57	2,331.79	2,332.17	2,330.14	2,329.98	2,323.02	2,313.51	2,319.16
22	2,331.46	2,332.88	2,332.16	2,330.34	2,332.43	2,331.93	2,332.11	2,330.15	2,329.96	2,322.60	2,313.71	2,319.28
23	2,331.53	2,333.04	2,332.31	2,330.47	2,332.20	2,332.11	2,332.07	2,330.19	2,330.02	2,322.17	2,313.93	2,319.39
24	2,331.61	2,332.97	2,332.42	2,330.63	2,332.01	2,332.08	2,332.08	2,329.98	2,330.03	2,321.78	2,314.11	2,319.46
25	2,331.68	2,332.86	2,332.50	2,330.78	2,331.86	2,332.07	2,332.17	2,329.88	2,329.94	2,321.39	2,314.28	2,319.57
26	2,331.69	2,332.83	2,332.58	2,330.91	2,331.87	2,332.08	2,332.18	2,329.71	2,329.34	2,321.05	2,314.43	2,319.68
27	2,331.74	2,332.66	2,332.60	2,331.03	2,331.99	2,332.07	2,331.93	2,329.47	2,328.74	2,320.76	2,314.59	2,319.95
28	2,331.84	2,332.63	2,332.54	2,331.08	2,332.13	2,332.02	2,331.27	2,329.34	2,328.29	2,320.46	2,314.74	2,320.25
29	2,331.91	2,332.61	2,332.35	2,330.92	2,332.16	2,331.96	2,330.94	2,329.36	2,327.83	2,320.08	2,314.89	2,320.53
30	2,331.93	2,332.60	2,332.15	2,330.87	---	2,331.93	2,330.64	2,329.45	2,327.37	2,319.71	2,314.98	2,320.81
31	2,331.93	---	2,331.99	2,330.78	---	2,331.91	---	2,329.53	---	2,319.32	2,315.20	---
Mean	2,331.19	2,332.69	---	2,330.63	2,331.92	2,331.90	2,331.85	2,330.27	2,329.61	2,323.99	2,315.11	2,318.09
Max	2,331.93	2,333.09	---	2,331.78	2,332.57	2,332.15	2,332.18	2,330.83	2,330.05	2,327.26	2,318.95	2,320.81
Min	2,330.43	2,331.96	---	2,329.62	2,330.60	2,331.57	2,330.64	2,329.34	2,327.37	2,319.32	2,313.07	2,315.40

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