Water-Data Report 2012

07312109 Diversion Lake near Dundee, TX

Red-Lake Texoma Basin
Wichita Subbasin

LOCATION.--Lat 33°48′54″, long 98°56′00″ referenced to North American Datum of 1927, Archer County, TX, Hydrologic Unit 11130206.

DRAINAGE AREA.--2,164 mi², Drainage heavily regulated by Lake Kemp upstream.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Aug. 2008 to current year (daily mean elevation).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Satellite telemeter at station.

COOPERATION.--U.S. Army Corps of Engineers - Tulsa District.

REMARKS.--Records good. The lake is formed by a rolled earthfill dam 7,000 ft. long. The original dam was completed in 1924. The spillway is a gated concrete structure with 12 slide gates each 5 by 8.5 ft. The emergency spillway is a concrete ogee structure 308 ft. long. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	1070.0
Crest of spillway.....	1042.4
Emergency spillway.....	1052.0

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,052.75 ft, Apr. 19, 2010; minimum elevation, 1,046.99 ft, July 19, 2012.

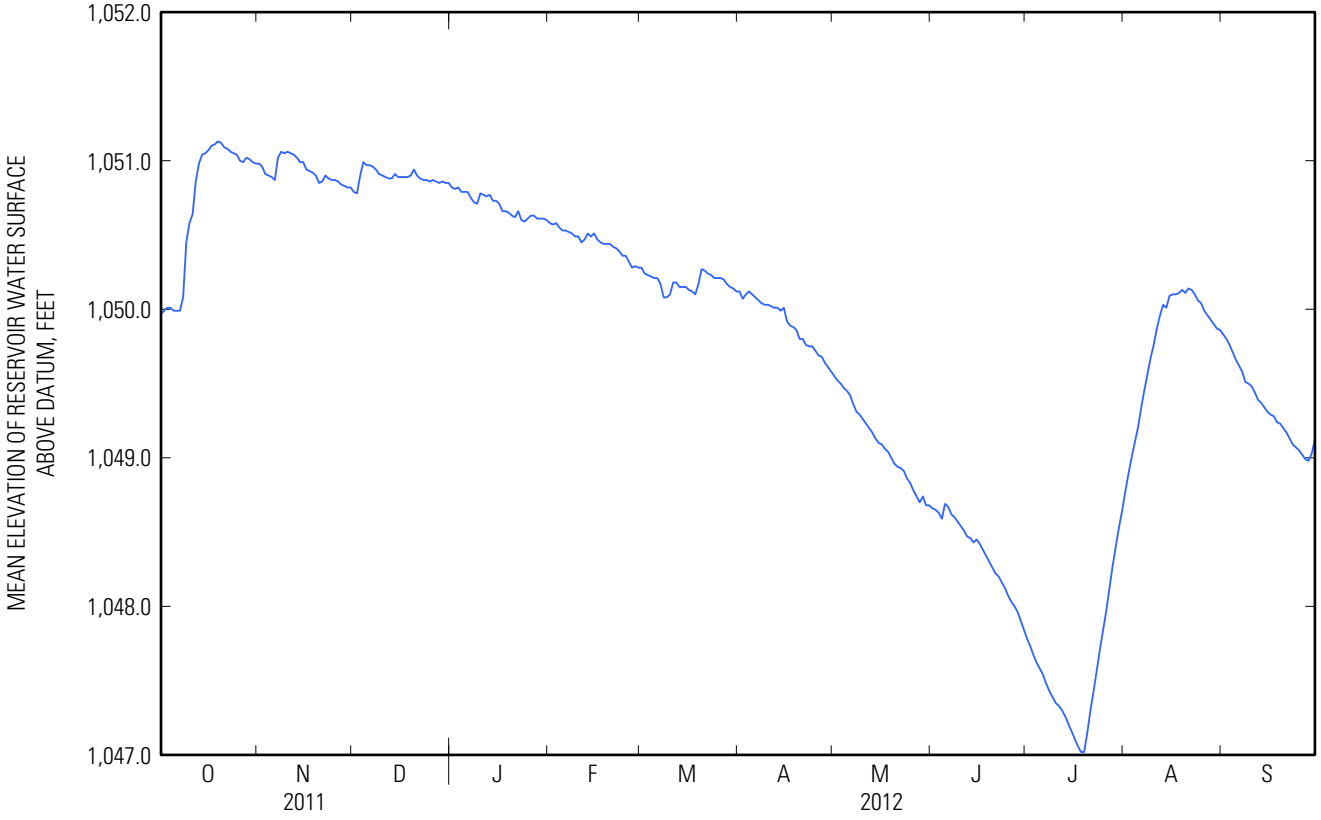
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,051.16 ft, Oct. 19; minimum elevation, 1,046.99 ft, July 19.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07312109, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07312109.2012.pdf

07312109 Diversion Lake near Dundee, TX—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,049.97	1,050.98	1,050.79	1,050.82	1,050.58	1,050.28	1,050.12	1,049.55	1,048.66	1,047.78	1,048.77	1,049.83
2	1,049.99	1,050.96	1,050.78	1,050.81	1,050.57	1,050.24	1,050.07	1,049.52	1,048.65	1,047.73	1,048.89	1,049.80
3	1,050.01	1,050.91	1,050.90	1,050.82	1,050.58	1,050.23	1,050.10	1,049.50	1,048.63	1,047.67	1,049.00	1,049.76
4	1,050.01	1,050.90	1,050.99	1,050.79	1,050.55	1,050.22	1,050.12	1,049.47	1,048.59	1,047.62	1,049.10	1,049.71
5	1,049.99	1,050.89	1,050.97	1,050.79	1,050.53	1,050.21	1,050.10	1,049.45	1,048.69	1,047.58	1,049.20	1,049.66
6	1,049.99	1,050.87	1,050.97	1,050.79	1,050.53	1,050.21	1,050.08	1,049.42	1,048.67	1,047.54	1,049.33	1,049.62
7	1,049.99	1,051.02	1,050.96	1,050.75	1,050.52	1,050.17	1,050.06	1,049.36	1,048.62	1,047.48	1,049.45	1,049.58
8	1,050.08	1,051.06	1,050.94	1,050.72	1,050.51	1,050.08	1,050.04	1,049.31	1,048.60	1,047.43	1,049.56	1,049.51
9	1,050.45	1,051.05	1,050.91	1,050.71	1,050.49	1,050.08	1,050.03	1,049.29	1,048.57	1,047.39	1,049.67	1,049.50
10	1,050.58	1,051.06	1,050.90	1,050.78	1,050.49	1,050.10	1,050.03	1,049.26	1,048.54	1,047.35	1,049.76	1,049.48
11	1,050.64	1,051.05	1,050.89	1,050.77	1,050.45	1,050.18	1,050.02	1,049.23	1,048.51	1,047.33	1,049.87	1,049.44
12	1,050.86	1,051.04	1,050.88	1,050.76	1,050.47	1,050.18	1,050.01	1,049.20	1,048.47	1,047.30	1,049.96	1,049.39
13	1,050.98	1,051.02	1,050.88	1,050.77	1,050.51	1,050.15	1,050.01	1,049.17	1,048.46	1,047.26	1,050.03	1,049.37
14	1,051.04	1,050.99	1,050.91	1,050.73	1,050.49	1,050.15	1,049.99	1,049.13	1,048.43	1,047.21	1,050.01	1,049.34
15	1,051.05	1,050.99	1,050.89	1,050.73	1,050.51	1,050.15	1,050.01	1,049.10	1,048.45	1,047.16	1,050.09	1,049.31
16	1,051.07	1,050.94	1,050.89	1,050.71	1,050.47	1,050.13	1,049.92	1,049.09	1,048.42	1,047.11	1,050.10	1,049.29
17	1,051.10	1,050.93	1,050.89	1,050.66	1,050.45	1,050.12	1,049.89	1,049.06	1,048.38	1,047.06	1,050.10	1,049.28
18	1,051.11	1,050.92	1,050.89	1,050.66	1,050.44	1,050.10	1,049.88	1,049.04	1,048.34	1,047.02	1,050.11	1,049.24
19	1,051.13	1,050.90	1,050.90	1,050.65	1,050.44	1,050.17	1,049.86	1,049.00	1,048.30	1,047.02	1,050.13	1,049.23
20	1,051.12	1,050.85	1,050.94	1,050.63	1,050.44	1,050.27	1,049.80	1,048.96	1,048.26	1,047.15	1,050.11	1,049.20
21	1,051.09	1,050.86	1,050.90	1,050.62	1,050.42	1,050.26	1,049.80	1,048.94	1,048.22	1,047.30	1,050.14	1,049.17
22	1,051.08	1,050.90	1,050.88	1,050.66	1,050.41	1,050.24	1,049.76	1,048.93	1,048.20	1,047.43	1,050.13	1,049.13
23	1,051.06	1,050.88	1,050.87	1,050.60	1,050.39	1,050.23	1,049.75	1,048.91	1,048.16	1,047.57	1,050.10	1,049.09
24	1,051.05	1,050.87	1,050.87	1,050.59	1,050.36	1,050.21	1,049.75	1,048.86	1,048.12	1,047.71	1,050.06	1,049.07
25	1,051.04	1,050.87	1,050.86	1,050.61	1,050.36	1,050.21	1,049.72	1,048.83	1,048.07	1,047.84	1,050.04	1,049.05
26	1,051.00	1,050.86	1,050.87	1,050.63	1,050.32	1,050.21	1,049.69	1,048.78	1,048.03	1,047.97	1,049.99	1,049.02
27	1,050.99	1,050.84	1,050.86	1,050.63	1,050.28	1,050.20	1,049.68	1,048.74	1,048.00	1,048.12	1,049.96	1,048.99
28	1,051.02	1,050.83	1,050.85	1,050.61	1,050.29	1,050.17	1,049.64	1,048.70	1,047.96	1,048.27	1,049.93	1,048.98
29	1,051.01	1,050.82	1,050.86	1,050.61	1,050.28	1,050.15	1,049.61	1,048.74	1,047.90	1,048.40	1,049.90	1,049.03
30	1,050.99	1,050.82	1,050.85	1,050.61	---	1,050.14	1,049.58	1,048.68	1,047.84	1,048.53	1,049.87	1,049.12
31	1,050.98	---	1,050.85	1,050.60	---	1,050.12	---	1,048.68	---	1,048.64	1,049.86	---
Mean	1,050.72	1,050.93	1,050.89	1,050.70	1,050.45	1,050.18	1,049.90	1,049.09	1,048.36	1,047.58	1,049.78	1,049.34
Max	1,051.13	1,051.06	1,050.99	1,050.82	1,050.58	1,050.28	1,050.12	1,049.55	1,048.69	1,048.64	1,050.14	1,049.83
Min	1,049.97	1,050.82	1,050.78	1,050.59	1,050.28	1,050.08	1,049.58	1,048.68	1,047.84	1,047.02	1,048.77	1,048.98

	Water Year 2012
Mean	1,049.83
Max	1,051.13
Min	1,047.02

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