

**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 mi<sup>2</sup>, 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, Wichita County Water Improvement District # 2.

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

	Elevation (feet)
Top of dam.....	1,073.9
Emergency spillway.....	1,053.5
Crest of spillway.....	1,052.0
Service spillway (sluice gates).....	1,042.4

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,052.75 ft, Apr. 19, 2010; minimum elevation, 1,046.99 ft, July 19, 2012 and Jan. 4, 2013.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,051.43 ft, Mar. 18; minimum elevation, 1,046.99 ft, Jan. 4.

## 07312109 Diversion Lake near Dundee, TX—Continued

**ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,049.12	1,048.31	1,047.67	1,047.05	1,049.89	1,049.71	1,051.15	1,050.75	1,049.84	1,048.88	1,048.20	1,047.46
2	1,049.10	1,048.29	1,047.64	1,047.03	1,049.88	1,049.83	1,051.13	1,050.72	1,049.79	1,048.83	1,048.16	1,047.41
3	1,049.07	1,048.26	1,047.63	1,047.01	1,049.88	1,049.97	1,051.16	1,050.73	1,049.77	1,048.79	1,048.12	1,047.36
4	1,049.03	1,048.25	1,047.59	1,047.00	1,049.87	1,050.07	1,051.16	1,050.69	1,049.72	1,048.73	1,048.09	1,047.33
5	1,048.98	1,048.23	1,047.58	1,047.11	1,049.85	1,050.14	1,051.15	1,050.66	1,049.66	1,048.68	1,048.05	1,047.29
6	1,048.93	1,048.22	1,047.56	1,047.26	1,049.84	1,050.25	1,051.15	1,050.64	1,049.69	1,048.62	1,048.01	1,047.25
7	1,048.91	1,048.20	1,047.54	1,047.41	1,049.82	1,050.36	1,051.14	1,050.62	1,049.69	1,048.57	1,047.95	1,047.22
8	1,048.91	1,048.17	1,047.52	1,047.56	1,049.78	1,050.46	1,051.15	1,050.61	1,049.68	1,048.53	1,047.89	1,047.18
9	1,048.89	1,048.15	1,047.47	1,047.70	1,049.76	1,050.63	1,051.13	1,050.58	1,049.73	1,048.48	1,047.84	1,047.15
10	1,048.86	1,048.15	1,047.44	1,047.91	1,049.75	1,050.79	1,051.17	1,050.54	1,049.77	1,048.45	1,047.80	1,047.12
11	1,048.86	1,048.13	1,047.41	1,048.06	1,049.69	1,050.93	1,051.17	1,050.52	1,049.75	1,048.42	1,047.75	1,047.09
12	1,048.85	1,048.10	1,047.38	1,048.17	1,049.72	1,051.03	1,051.15	1,050.50	1,049.73	1,048.38	1,047.73	1,047.07
13	1,048.84	1,048.08	1,047.35	1,048.30	1,049.75	1,051.15	1,051.14	1,050.50	1,049.70	1,048.34	1,047.69	1,047.05
14	1,048.82	1,048.06	1,047.34	1,048.42	1,049.73	1,051.26	1,051.15	1,050.47	1,049.66	1,048.27	1,047.66	1,047.15
15	1,048.80	1,048.04	1,047.36	1,048.56	1,049.70	1,051.35	1,051.12	1,050.43	1,049.64	1,048.24	1,047.64	1,047.30
16	1,048.78	1,048.02	1,047.34	1,048.71	1,049.71	1,051.37	1,051.10	1,050.39	1,049.61	1,048.31	1,047.80	1,047.43
17	1,048.73	1,047.98	1,047.32	1,048.85	1,049.71	1,051.39	1,051.10	1,050.36	1,049.57	1,048.35	1,047.93	1,047.54
18	1,048.68	1,047.96	1,047.30	1,049.00	1,049.69	1,051.38	1,051.04	1,050.34	1,049.54	1,048.46	1,047.92	1,047.54
19	1,048.66	1,047.93	1,047.29	1,049.14	1,049.64	1,051.35	1,051.02	1,050.32	1,049.50	1,048.48	1,047.88	1,047.51
20	1,048.64	1,047.90	1,047.24	1,049.28	1,049.63	1,051.33	1,051.00	1,050.27	1,049.47	1,048.46	1,047.86	1,047.63
21	1,048.63	1,047.88	1,047.21	1,049.40	1,049.65	1,051.32	1,050.96	1,050.23	1,049.42	1,048.43	1,047.82	1,047.67
22	1,048.63	1,047.87	1,047.20	1,049.54	1,049.62	1,051.26	1,050.95	1,050.24	1,049.36	1,048.39	1,047.79	1,047.65
23	1,048.63	1,047.82	1,047.18	1,049.66	1,049.60	1,051.26	1,050.89	1,050.19	1,049.30	1,048.34	1,047.75	1,047.61
24	1,048.60	1,047.82	1,047.16	1,049.78	1,049.57	1,051.23	1,050.87	1,050.16	1,049.24	1,048.28	1,047.72	1,047.56
25	1,048.55	1,047.81	1,047.16	1,049.88	1,049.59	1,051.21	1,050.86	1,050.13	1,049.19	1,048.34	1,047.69	1,047.54
26	1,048.49	1,047.77	1,047.17	1,049.95	1,049.59	1,051.19	1,050.86	1,050.10	1,049.13	1,048.43	1,047.66	1,047.51
27	1,048.45	1,047.75	1,047.16	1,049.96	1,049.56	1,051.19	1,050.83	1,050.07	1,049.09	1,048.41	1,047.63	1,047.48
28	1,048.42	1,047.73	1,047.14	1,049.95	1,049.60	1,051.17	1,050.83	1,050.04	1,049.04	1,048.38	1,047.60	1,047.50
29	1,048.39	1,047.70	1,047.12	1,049.99	---	1,051.17	1,050.82	1,049.99	1,049.00	1,048.33	1,047.56	1,047.52
30	1,048.36	1,047.68	1,047.10	1,049.95	---	1,051.18	1,050.79	1,049.98	1,048.94	1,048.29	1,047.53	1,047.51
31	1,048.33	---	1,047.08	1,049.91	---	1,051.16	---	1,049.95	---	1,048.24	1,047.50	---
<b>Mean</b>	1,048.74	1,048.01	1,047.34	1,048.63	1,049.72	1,050.91	1,051.04	1,050.38	1,049.51	1,048.46	1,047.81	1,047.39
<b>Max</b>	1,049.12	1,048.31	1,047.67	1,049.99	1,049.89	1,051.39	1,051.17	1,050.75	1,049.84	1,048.88	1,048.20	1,047.67
<b>Min</b>	1,048.33	1,047.68	1,047.08	1,047.00	1,049.56	1,049.71	1,050.79	1,049.95	1,048.94	1,048.24	1,047.50	1,047.05

	Calendar Year 2012	Water Year 2013
<b>Mean</b>	1,049.12	1,048.99
<b>Max</b>	1,050.82	1,051.39
<b>Min</b>	1,047.02	1,047.00

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