



Water-Data Report 2011

301505095343704 Local number TS-60-44-807 (Lake Creek Piezometer No. 3-D)

Coastal lowlands aquifer system
 Evangeline Aquifer

Montgomery County, TX

LOCATION.--Lat 30°15'05.2", long 95°34'37.1" referenced to North American Datum of 1983, Montgomery County, TX, Hydrologic Unit 12040101.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 845 ft. Upper casing diameter 6.0 in; top of first opening 815 ft, bottom of last opening 845 ft.

DATUM.--Land-surface datum is 172 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of inner casing, 1.2 ft above land-surface datum, Feb. 8, 2005, to present.

PERIOD OF RECORD.--Feb. 2005 to current year (periodic water-level measurements); Sept. 2007 to May 2011 (daily record).

GAGE.--Water-level recorder. Satellite telemeter at station.

REMARKS.--Records good except for periods of missing record.

EXTREMES FOR CURRENT YEAR.--Maximum water-level below land surface datum, 350.80 ft, Nov. 7, 8; minimum water-level below land surface datum, 331.77 ft, Mar. 23, 24.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 4	346.26	S	--	Feb 2	338.31	V	--
Dec 15	346.32	V	--	Apr 5	332.81	V	--

Water year 2011 highest: 332.81, Apr 5, 2011; lowest: 346.32, Dec 15, 2010

Period of record highest: 290.45, Feb 8, 2005; lowest: 348.46, Aug 19, 2009

Record available from Feb 8, 2005, to Apr 5, 2011; 35 entries

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	345.92	345.81	345.87	350.39	350.22	350.30	348.54	348.41	348.48	344.35	344.21	344.28
2	346.05	345.92	345.99	350.50	350.39	350.44	348.41	348.27	348.34	344.21	344.10	344.15
3	346.18	346.05	346.11	350.59	350.50	350.54	348.27	348.11	348.19	344.10	344.00	344.05
4	346.33	346.18	346.25	350.66	350.58	350.62	348.11	347.96	348.03	344.00	343.88	343.94
5	346.48	346.33	346.40	350.73	350.66	350.69	347.96	347.81	347.88	343.88	343.76	343.82
6	346.61	346.48	346.55	350.78	350.73	350.76	347.81	347.64	347.73	343.76	343.66	343.72
7	346.75	346.61	346.68	350.80	350.78	350.79	347.64	347.45	347.55	343.66	343.54	343.60
8	346.89	346.75	346.82	350.80	350.78	350.79	347.45	347.26	347.35	343.54	343.44	343.49
9	347.03	346.89	346.96	350.79	350.76	350.77	347.26	347.07	347.17	343.45	343.32	343.38
10	347.17	347.03	347.10	350.76	350.74	350.75	347.07	346.89	346.98	343.32	343.22	343.26
11	347.32	347.17	347.24	350.74	350.72	350.73	346.89	346.72	346.80	343.22	343.15	343.19
12	347.48	347.32	347.40	350.72	350.68	350.70	346.72	346.62	346.67	343.15	343.06	343.11
13	347.65	347.48	347.57	350.69	350.66	350.68	346.62	346.51	346.57	343.06	342.95	343.01
14	347.84	347.65	347.74	350.66	350.60	350.63	346.51	346.38	346.45	342.95	342.78	342.87
15	348.01	347.84	347.92	350.60	350.49	350.54	346.38	346.23	346.31	342.78	342.59	342.68
16	348.15	348.01	348.08	350.49	350.42	350.45	346.23	346.09	346.16	342.59	342.38	342.48
17	348.26	348.15	348.21	350.42	350.34	350.38	346.09	345.95	346.02	342.38	342.15	342.26
18	348.34	348.26	348.30	350.34	350.28	350.31	345.95	345.81	345.88	342.15	341.95	342.05
19	348.43	348.34	348.38	350.28	350.18	350.23	345.81	345.66	345.74	341.95	341.75	341.85
20	348.50	348.43	348.46	350.18	350.08	350.14	345.66	345.53	345.59	341.75	341.55	341.65
21	348.59	348.50	348.55	350.08	349.96	350.02	345.53	345.41	345.47	341.55	341.33	341.45
22	348.70	348.59	348.65	349.96	349.81	349.89	345.41	345.31	345.36	341.33	341.11	341.23
23	348.83	348.70	348.77	349.81	349.67	349.75	345.31	345.24	345.28	341.11	340.86	340.98
24	348.97	348.83	348.90	349.67	349.49	349.58	345.24	345.16	345.20	340.86	340.60	340.73
25	349.12	348.97	349.05	349.49	349.31	349.40	345.17	345.11	345.14	340.60	340.34	340.47
26	349.28	349.12	349.20	349.31	349.17	349.24	345.11	345.05	345.08	340.34	340.07	340.21
27	349.48	349.28	349.38	349.17	349.02	349.09	345.05	344.98	345.02	340.07	339.80	339.94
28	349.70	349.48	349.59	349.02	348.84	348.93	344.98	344.87	344.93	339.80	339.52	339.66
29	349.90	349.70	349.80	348.84	348.66	348.75	344.87	344.70	344.79	339.52	339.25	339.38
30	350.08	349.90	349.99	348.66	348.54	348.60	344.70	344.52	344.61	339.25	338.97	339.11
31	350.22	350.08	350.15	---	---	---	344.52	344.35	344.43	338.97	338.70	338.83
Month	350.22	345.81	347.94	350.80	348.54	350.15	348.54	344.35	346.30	344.35	338.70	342.09

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	338.70	338.44	338.56	333.36	333.26	333.31	332.40	332.32	332.36	339.27	338.95	339.11
2	338.44	338.21	338.33	333.26	333.16	333.21	332.51	332.40	332.46	339.63	339.27	339.44
3	338.21	337.96	338.09	333.16	333.05	333.10	332.62	332.51	332.57	339.98	339.63	339.82
4	337.96	337.72	337.84	333.05	332.94	333.00	332.74	332.62	332.67	340.23	339.98	340.10
5	337.72	337.44	337.58	332.94	332.86	332.90	332.89	332.74	332.82	---	---	---
6	337.44	337.18	337.32	332.86	332.76	332.81	333.02	332.89	332.95	---	---	---
7	337.18	336.98	337.08	332.76	332.67	332.72	333.15	333.02	333.08	---	---	---
8	336.98	336.79	336.89	332.67	332.57	332.62	333.29	333.15	333.22	---	---	---
9	336.79	336.61	336.70	332.57	332.50	332.53	333.45	333.29	333.37	---	---	---
10	336.61	336.46	336.54	332.50	332.44	332.47	333.63	333.45	333.54	---	---	---
11	336.46	336.31	336.38	332.44	332.36	332.40	333.83	333.63	333.73	---	---	---
12	336.31	336.15	336.23	332.36	332.28	332.32	334.05	333.83	333.94	---	---	---
13	336.15	335.98	336.06	332.28	332.22	332.25	334.25	334.05	334.15	---	---	---
14	335.98	335.79	335.89	332.22	332.17	332.20	334.45	334.25	334.35	---	---	---
15	335.79	335.60	335.70	332.18	332.13	332.16	334.65	334.45	334.55	---	---	---
16	335.60	335.41	335.51	332.13	332.08	332.10	334.84	334.65	334.75	---	---	---
17	335.41	335.22	335.31	332.08	332.01	332.05	335.05	334.84	334.95	---	---	---
18	335.22	335.02	335.12	332.01	331.95	331.98	335.28	335.05	335.17	---	---	---
19	335.02	334.82	334.93	331.95	331.88	331.91	335.55	335.28	335.42	---	---	---
20	334.82	334.61	334.71	331.88	331.83	331.85	335.83	335.55	335.69	---	---	---
21	334.61	334.41	334.51	331.83	331.80	331.81	336.12	335.83	335.97	---	---	---
22	334.41	334.24	334.33	331.80	331.78	331.79	336.41	336.12	336.27	---	---	---
23	334.24	334.08	334.16	331.78	331.77	331.77	336.72	336.41	336.57	---	---	---
24	334.08	333.92	333.99	331.81	331.77	331.79	337.04	336.72	336.88	---	---	---
25	333.92	333.78	333.84	331.84	331.81	331.82	337.34	337.04	337.19	---	---	---
26	333.78	333.63	333.70	331.87	331.83	331.85	337.65	337.34	337.50	---	---	---
27	333.63	333.47	333.55	331.95	331.87	331.91	337.97	337.65	337.80	---	---	---
28	333.47	333.36	333.41	332.05	331.95	332.00	338.32	337.97	338.14	---	---	---
29	---	---	---	332.15	332.05	332.10	338.63	338.32	338.48	---	---	---
30	---	---	---	332.24	332.15	332.19	338.95	338.63	338.79	---	---	---
31	---	---	---	332.32	332.24	332.28	---	---	---	---	---	---
Month	338.70	333.36	335.80	333.36	331.77	332.30	338.95	332.32	334.98	---	---	---

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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