



Water-Data Report 2010

303143095334801 Local number YU-60-28-802 (Sam Hou. Nat. Forest Piezo. No. 1)

Coastal lowlands aquifer system
 Jasper Aquifer
 Walker County, TX

LOCATION.--Lat 30°31'41.4", long 95°33'50.1" referenced to North American Datum of 1927, Walker County, TX, Hydrologic Unit 12040101.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 181 ft. Upper casing diameter 4.0 in; top of first opening 171 ft, bottom of last opening 181 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum, Oct. 27, 1989, to present.

PERIOD OF RECORD.--Dec. 1989 to current year (periodic water-level measurements); Mar. 2009 to current year (daily record).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum water-level below land surface datum, 75.82 ft, May 9; minimum water-level below land surface datum, 74.94 ft, Oct. 29.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[Measurement method: 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 19	75.51	V	--	Apr 30	75.64	V	--
Dec 2	75.09	V	--	Jun 16	75.64	V	--
Feb 1	75.61	V	--	Aug 2	75.57	V	--
Apr 30	75.40	V	--	Sep 1	75.68	V	--

Water year 2010 highest: 75.09, Dec 2, 2009; lowest: 75.68, Sep 1, 2010

Period of record highest: 71.22, May 11, 2006; lowest: 76.29, Jan 11, 2007

Record available from Dec 27, 1989, to Oct 13, 2010; 106 entries

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	75.31	75.23	75.27	75.50	75.42	75.47	75.36	75.12	75.30	75.62	75.47	75.55
2	75.26	75.22	75.24	75.52	75.49	75.51	75.19	75.08	75.11	75.63	75.60	75.62
3	75.27	75.21	75.25	75.55	75.52	75.54	75.43	75.19	75.31	75.60	75.54	75.56
4	75.22	75.16	75.17	75.57	75.54	75.55	75.55	75.43	75.50	75.63	75.55	75.58
5	75.24	75.18	75.21	75.58	75.56	75.57	75.57	75.52	75.55	75.66	75.63	75.65
6	75.26	75.24	75.25	75.57	75.46	75.52	75.52	75.38	75.45	75.63	75.46	75.56
7	75.33	75.26	75.30	75.46	75.38	75.42	75.38	75.35	75.37	75.48	75.40	75.43
8	75.34	75.31	75.33	75.38	75.32	75.35	75.35	75.18	75.26	75.64	75.48	75.57
9	75.31	75.17	75.24	75.34	75.32	75.32	75.32	75.17	75.23	75.69	75.64	75.66
10	75.40	75.24	75.34	75.40	75.33	75.36	75.50	75.32	75.42	75.72	75.68	75.70
11	75.42	75.40	75.41	75.42	75.39	75.41	75.54	75.49	75.52	75.72	75.62	75.67
12	75.40	75.32	75.35	75.41	75.34	75.38	75.54	75.41	75.45	75.62	75.56	75.58
13	75.34	75.32	75.33	75.34	75.24	75.28	75.41	75.39	75.40	75.56	75.47	75.52
14	75.32	75.28	75.31	75.24	75.21	75.23	75.40	75.35	75.37	75.47	75.33	75.38
15	75.28	75.23	75.25	75.28	75.23	75.25	75.49	75.31	75.37	75.33	75.23	75.28
16	75.40	75.24	75.31	75.39	75.26	75.31	75.59	75.49	75.56	75.23	75.18	75.19
17	75.55	75.40	75.48	75.44	75.39	75.42	75.59	75.48	75.54	75.26	75.18	75.21
18	75.58	75.55	75.57	75.43	75.40	75.42	75.48	75.37	75.41	75.30	75.26	75.28
19	75.56	75.45	75.51	75.41	75.38	75.39	75.44	75.37	75.39	75.30	75.24	75.28
20	75.45	75.35	75.40	75.39	75.36	75.37	75.53	75.44	75.49	75.24	75.11	75.19
21	75.35	75.23	75.30	75.36	75.30	75.32	75.54	75.48	75.52	75.15	75.10	75.11
22	75.23	75.13	75.16	75.33	75.31	75.32	75.48	75.31	75.40	75.22	75.15	75.20
23	75.27	75.15	75.22	75.37	75.33	75.35	75.31	75.10	75.23	75.21	75.14	75.17
24	75.32	75.27	75.31	75.44	75.36	75.39	75.10	75.00	75.03	75.24	75.14	75.17
25	75.32	75.30	75.31	75.50	75.44	75.47	75.36	75.08	75.23	75.47	75.24	75.36
26	75.30	75.10	75.19	75.54	75.49	75.52	75.46	75.36	75.41	75.63	75.47	75.56
27	75.22	75.17	75.20	75.54	75.48	75.52	75.58	75.46	75.51	75.66	75.63	75.64
28	75.21	75.15	75.18	75.48	75.36	75.42	75.72	75.58	75.66	75.66	75.56	75.62
29	75.15	74.94	75.07	75.36	75.27	75.31	75.72	75.68	75.71	75.56	75.36	75.40
30	75.22	74.96	75.09	75.36	75.25	75.30	75.68	75.49	75.57	75.56	75.42	75.48
31	75.42	75.22	75.33	---	---	---	75.49	75.42	75.45	75.64	75.56	75.61
Month	75.58	74.94	75.29	75.58	75.21	75.40	75.72	75.00	75.41	75.72	75.10	75.44

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	75.64	75.56	75.61	75.47	75.33	75.37	75.53	75.49	75.52	75.42	75.40	75.41
2	75.56	75.55	75.56	75.49	75.35	75.42	75.49	75.43	75.45	75.53	75.40	75.46
3	75.57	75.47	75.54	75.56	75.49	75.53	75.50	75.43	75.47	75.66	75.53	75.60
4	75.47	75.34	75.41	75.60	75.56	75.58	75.55	75.50	75.52	75.73	75.66	75.71
5	75.37	75.33	75.34	75.62	75.59	75.60	75.60	75.55	75.58	75.71	75.68	75.69
6	75.47	75.37	75.42	75.65	75.61	75.64	75.59	75.50	75.55	75.68	75.67	75.67
7	75.50	75.47	75.49	75.65	75.60	75.63	75.50	75.41	75.45	75.67	75.64	75.65
8	75.48	75.31	75.40	75.60	75.44	75.53	75.58	75.42	75.50	75.80	75.67	75.73
9	75.56	75.32	75.43	75.44	75.29	75.36	75.65	75.58	75.62	75.82	75.80	75.81
10	75.66	75.56	75.63	75.29	75.18	75.23	75.69	75.65	75.67	75.80	75.67	75.74
11	75.66	75.47	75.58	75.23	75.17	75.19	75.69	75.68	75.69	75.67	75.61	75.64
12	75.51	75.44	75.47	75.35	75.23	75.29	75.68	75.65	75.66	75.62	75.60	75.61
13	75.54	75.51	75.52	75.41	75.35	75.38	75.65	75.61	75.63	75.66	75.61	75.63
14	75.52	75.46	75.48	75.46	75.41	75.43	75.64	75.62	75.63	75.71	75.63	75.68
15	75.59	75.48	75.55	75.59	75.46	75.52	75.64	75.62	75.63	75.65	75.63	75.64
16	75.63	75.59	75.61	75.68	75.59	75.65	75.63	75.58	75.62	75.63	75.61	75.63
17	75.64	75.62	75.63	75.70	75.66	75.68	75.58	75.49	75.54	75.63	75.60	75.62
18	75.63	75.59	75.62	75.66	75.63	75.65	75.49	75.42	75.46	75.61	75.58	75.60
19	75.59	75.51	75.55	75.63	75.52	75.58	75.49	75.43	75.46	75.58	75.52	75.55
20	75.52	75.44	75.49	75.52	75.44	75.48	75.50	75.48	75.49	75.53	75.51	75.51
21	75.44	75.30	75.37	75.53	75.48	75.51	75.49	75.45	75.47	75.60	75.52	75.56
22	75.34	75.29	75.31	75.56	75.52	75.54	75.45	75.38	75.41	75.61	75.59	75.60
23	75.41	75.33	75.36	75.55	75.51	75.53	75.38	75.28	75.33	75.62	75.60	75.61
24	75.57	75.41	75.49	75.51	75.46	75.48	75.31	75.26	75.28	75.62	75.60	75.61
25	75.57	75.51	75.55	75.49	75.43	75.45	75.42	75.31	75.36	75.64	75.61	75.61
26	75.51	75.44	75.46	75.54	75.49	75.52	75.47	75.42	75.45	75.65	75.62	75.63
27	75.54	75.46	75.50	75.52	75.44	75.47	75.59	75.47	75.53	75.65	75.63	75.64
28	75.54	75.47	75.51	75.55	75.45	75.50	75.62	75.59	75.60	75.64	75.59	75.62
29	---	---	---	75.60	75.55	75.58	75.60	75.47	75.55	75.59	75.52	75.55
30	---	---	---	75.59	75.54	75.57	75.64	75.40	75.46	75.54	75.51	75.52
31	---	---	---	75.54	75.52	75.53	---	---	---	75.61	75.54	75.58
Month	75.66	75.29	75.50	75.70	75.17	75.50	75.69	75.26	75.52	75.82	75.40	75.62

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	75.64	75.61	75.62	75.61	75.54	75.58	---	---	---	75.69	75.62	75.67
2	75.62	75.54	75.58	75.56	75.49	75.54	75.60	75.57	75.58	75.62	75.53	75.58
3	75.55	75.41	75.46	75.53	75.49	75.51	75.64	75.60	75.62	75.62	75.55	75.58
4	75.48	75.41	75.45	75.53	75.52	75.53	75.64	75.62	75.64	75.64	75.56	75.61
5	75.55	75.48	75.51	75.53	75.52	75.52	75.62	75.58	75.60	75.64	75.62	75.63
6	75.61	75.54	75.57	75.52	75.51	75.52	75.58	75.57	75.58	75.62	75.59	75.60
7	75.66	75.61	75.64	75.54	75.52	75.53	75.59	75.57	75.58	75.61	75.53	75.58
8	75.67	75.64	75.65	75.59	75.54	75.57	75.60	75.58	75.59	75.58	75.53	75.55
9	75.64	75.60	75.63	75.63	75.59	75.61	75.63	75.59	75.61	75.57	75.55	75.56
10	75.61	75.58	75.60	75.65	75.63	75.63	75.63	75.62	75.62	75.57	75.55	75.56
11	75.60	75.57	75.59	75.63	75.58	75.61	75.62	75.59	75.61	75.62	75.57	75.59
12	75.65	75.60	75.63	75.58	75.54	75.56	75.60	75.57	75.59	75.69	75.62	75.65
13	75.68	75.65	75.66	75.57	75.54	75.55	75.58	75.56	75.57	75.70	75.69	75.70
14	75.65	75.61	75.63	75.63	75.57	75.60	75.62	75.57	75.59	75.71	75.69	75.70
15	75.63	75.60	75.61	75.66	75.63	75.65	75.66	75.61	75.64	75.69	75.68	75.69
16	75.66	75.63	75.65	75.66	75.64	75.65	75.66	75.62	75.65	75.68	75.67	75.68
17	75.66	75.64	75.65	75.64	75.63	75.64	75.64	75.62	75.63	75.68	75.66	75.67
18	75.65	75.63	75.64	75.64	75.62	75.63	75.64	75.62	75.63	75.71	75.68	75.69
19	75.64	75.63	75.64	75.63	75.59	75.61	75.66	75.63	75.64	75.73	75.70	75.71
20	75.64	75.62	75.64	75.63	75.60	75.61	75.64	75.62	75.63	75.73	75.68	75.71
21	75.62	75.60	75.61	75.65	75.63	75.64	75.67	75.63	75.65	75.68	75.62	75.64
22	75.62	75.60	75.61	75.65	75.63	75.63	75.69	75.66	75.69	75.67	75.62	75.65
23	75.63	75.61	75.62	75.64	75.62	75.63	75.68	75.59	75.63	75.69	75.67	75.68
24	75.64	75.61	75.62	75.65	75.63	75.64	75.60	75.58	75.59	75.74	75.69	75.71
25	75.62	75.60	75.62	75.64	75.62	75.63	75.67	75.60	75.63	75.74	75.69	75.72
26	75.61	75.56	75.59	75.62	75.60	75.61	75.70	75.67	75.69	75.69	75.65	75.66
27	75.57	75.51	75.53	75.62	75.60	75.61	75.70	75.66	75.69	75.67	75.65	75.66
28	75.51	75.47	75.49	75.68	75.62	75.65	75.66	75.61	75.64	75.67	75.63	75.66
29	75.54	75.48	75.51	75.71	75.68	75.70	75.63	75.61	75.62	75.63	75.58	75.60
30	75.57	75.54	75.56	75.69	75.62	75.66	75.69	75.63	75.67	75.67	75.58	75.61
31	---	---	---	75.62	75.60	75.61	75.71	75.69	75.70	---	---	---
Month	75.68	75.41	75.59	75.71	75.49	75.60	---	---	---	75.74	75.53	75.64

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