



Water-Data Report 2011

08072050 San Jacinto River near Sheldon, TX

San Jacinto Basin
Buffalo-San Jacinto Subbasin

LOCATION.--Lat 29°52'34", long 95°05'37" referenced to North American Datum of 1927, Harris County, TX, Hydrologic Unit 12040104, on left bank at U.S. Highway 90 bridge, 0.3 mi downstream from Southern Pacific Railway Co. bridge, 1.5 mi east of Sheldon, 4.6 mi downstream from Lake Houston, and 21 mi northeast of Houston.

DRAINAGE AREA.--2,879 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Feb. 1970 to Sept. 1972 (elevations only), Oct. 1972 to current year (gage heights only).

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Feb. 1970 to Aug. 1972.

BIOCHEMICAL DATA: Feb. 1970 to Aug. 1972.

PESTICIDE DATA: May 1971 to Aug. 1972.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988. Prior to Oct. 1 2009, datum of gage was 0.69 ft below NGVD of 1929, adjustment of 1973 (0.98 ft above current datum). Prior to Oct. 1972, datum of gage was NGVD of 1929 (levels by Harris County Flood Control District) unadjusted for land-surface subsidence. Radio telemeter at station. Satellite telemeter at station.

REMARKS.--Records good. Gage heights reflect tidal fluctuations. Twelve discharge measurements, May 19, 1989 to Oct 18, 2006. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 27.09 ft, Oct. 19, 1994; minimum gage height, -2.52 ft, Oct. 28, 1985. A discharge measurement of 356,000 ft³/s was made near the peak of Oct. 19, 1994, gage height, 27.00 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since at least 1875, 31.5 ft Nov. 26, 1940, at site 0.3 mi upstream at Southern Pacific Railway Co. bridge.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.58 ft, Jan. 9; minimum gage height, -2.96 ft, Dec. 25.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	1.80	-0.15	1.53	-0.25	0.85	-1.56	1.47	-1.14	1.81	-1.75	1.02	-1.39
2	1.83	-0.19	2.25	-0.40	1.32	-0.51	1.03	-1.40	-0.62	-2.54	1.33	-0.17
3	1.53	-0.19	0.88	-1.05	1.14	-0.73	1.43	-0.70	0.37	-1.61	2.14	0.48
4	1.63	-0.15	0.34	-2.19	1.14	-1.01	1.58	-0.38	0.47	-1.38	1.70	0.50
5	1.90	0.07	0.87	-1.76	0.97	-1.72	1.52	-0.74	0.42	-1.00	1.87	-0.79
6	1.82	0.10	1.18	-1.11	1.11	-1.08	0.96	-1.16	1.00	-0.28	1.37	-1.27
7	1.67	-0.31	1.15	-1.12	1.24	-0.78	0.59	-1.18	0.96	-1.95	2.50	0.50
8	1.47	-0.59	1.22	-0.85	1.84	-0.80	0.75	-0.91	1.91	-1.18	2.45	1.19
9	1.61	-0.65	1.37	-0.32	1.24	-0.37	3.58	0.61	1.97	-1.28	1.36	-0.25
10	1.64	-0.35	1.66	-0.14	1.34	-0.15	1.25	-0.22	0.35	-2.32	0.34	-1.18
11	1.73	0.11	1.66	0.07	1.59	-0.24	0.16	-1.14	0.67	-1.20	1.49	-0.93
12	1.85	-0.23	1.79	0.10	0.14	-2.48	0.11	-1.14	0.69	-1.06	1.49	-0.21
13	1.35	-0.53	1.38	-0.41	-0.10	-2.53	0.70	-0.92	0.74	-1.26	1.37	-0.49
14	0.64	-0.33	1.02	0.03	0.93	-0.53	1.06	-0.83	0.66	-1.12	1.17	-0.60
15	1.37	-0.19	1.70	0.82	1.41	0.08	1.17	-0.55	0.85	-0.97	1.36	-0.83
16	1.34	-0.23	1.57	-0.38	0.93	-0.54	1.68	-0.41	1.08	-0.67	1.57	-0.37
17	1.30	-0.24	1.86	0.32	0.98	-0.82	1.81	-0.27	1.27	-0.40	1.51	0.01
18	1.42	-0.15	1.11	-1.11	1.14	-1.01	1.44	-0.79	1.27	-0.44	1.60	0.09
19	1.68	0.38	1.72	-0.45	1.60	-0.55	1.20	-1.21	0.85	-0.70	1.64	0.19
20	1.48	0.01	1.97	-0.20	1.67	-0.24	1.67	-0.95	1.36	-0.20	1.91	0.27
21	1.46	-0.26	2.18	0.24	1.65	-0.83	0.48	-1.59	1.49	-0.14	1.83	0.04
22	2.22	0.49	2.19	0.44	1.06	-1.12	0.80	-0.80	1.03	-0.69	1.98	-0.19
23	2.56	0.93	2.11	0.13	1.18	-0.81	1.29	0.09	1.06	-0.81	1.74	-0.30
24	2.53	0.13	2.23	0.27	1.48	-0.27	1.20	0.28	1.51	-0.33	1.61	-0.77
25	2.13	0.36	2.39	0.53	0.72	-2.96	1.25	-0.32	1.34	-0.74	1.63	-0.44
26	2.47	0.30	1.16	-1.39	-0.07	-2.53	0.44	-1.26	1.26	-0.66	1.89	-0.34
27	2.01	-0.03	1.38	0.05	1.03	-0.23	0.51	-1.18	1.70	-0.05	1.49	-0.36
28	1.70	-1.44	1.94	0.87	1.50	0.06	0.41	-1.55	1.63	-0.38	1.18	-0.67
29	1.04	-0.26	2.56	0.95	1.61	-0.50	0.61	-1.48	---	---	1.62	0.22
30	1.85	-0.31	1.50	-1.42	1.90	-0.04	0.99	-0.96	---	---	0.85	-1.30
31	1.73	-0.27	---	---	1.77	-0.19	1.33	-0.84	---	---	1.31	-0.22
Month	2.56	-1.44	2.56	-2.19	1.90	-2.96	3.58	-1.59	1.97	-2.54	2.50	-1.39

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	1.19	0.12	2.75	0.92	1.69	-0.15	1.87	-0.03	1.49	-0.20	2.04	0.17
2	1.52	0.18	2.02	-0.44	1.30	-0.55	1.55	-0.24	1.33	-0.13	2.50	1.22
3	1.60	-0.02	0.21	-1.50	2.07	-0.05	1.36	-0.55	1.26	0.08	2.46	-2.56
4	2.16	-0.47	1.85	-0.95	1.84	0.07	1.49	-0.29	1.36	0.07	-1.62	-2.68
5	0.87	-1.50	1.63	0.06	1.32	-0.32	1.55	-0.17	1.31	-0.18	-0.68	-2.68
6	2.04	-0.10	1.48	-0.33	1.79	---	1.53	0.16	1.38	-0.32	1.43	-1.32
7	1.68	-0.10	1.87	-0.54	1.77	0.05	1.55	0.21	1.43	-0.48	1.58	-0.22
8	1.71	-0.17	1.93	-0.20	1.92	0.33	1.42	-0.04	1.46	-0.48	1.38	-0.18
9	1.88	0.12	2.17	0.28	2.11	0.71	1.53	-0.16	1.29	-0.59	1.61	-0.25
10	2.36	0.59	2.22	0.53	1.86	0.30	1.69	-0.18	1.23	-0.64	1.49	0.07
11	2.25	0.24	2.86	1.02	1.71	0.09	1.57	-0.23	1.42	-0.71	1.46	0.08
12	1.27	-1.10	1.87	1.00	1.75	0.04	1.45	-0.53	1.29	-0.37	1.22	0.02
13	1.75	-0.01	2.04	-0.10	1.71	-0.15	1.39	-0.70	1.16	-0.52	1.16	-0.03
14	1.99	0.42	0.62	-0.76	1.69	-0.12	1.49	-0.69	0.98	-0.48	1.08	-0.16
15	1.80	-0.07	1.31	-1.13	1.80	-0.36	1.24	-0.72	1.01	-0.43	1.06	-0.58
16	0.47	-0.75	1.23	-0.63	1.65	-0.46	1.41	-0.52	0.99	-0.10	1.58	0.05
17	2.27	-1.00	2.00	-0.53	2.02	-0.15	1.33	-0.37	1.03	-0.02	1.40	0.17
18	2.36	0.46	2.37	0.12	1.94	-0.16	1.04	-0.28	0.78	0.03	1.69	0.04
19	2.43	0.12	2.84	0.46	1.80	-0.07	1.52	-0.01	1.13	0.02	1.48	-0.09
20	2.13	0.17	3.24	0.89	2.23	0.46	1.79	0.72	1.30	0.05	1.33	0.01
21	2.19	-0.33	2.60	0.84	2.43	0.92	1.24	0.25	1.39	-0.09	1.52	-0.13
22	2.38	0.20	2.54	0.59	1.57	0.07	1.44	0.07	1.34	-0.49	1.43	-0.13
23	2.53	0.47	2.42	0.87	1.93	0.53	1.44	0.08	1.25	-0.49	1.31	-0.11
24	2.71	0.97	2.41	0.96	2.21	0.46	1.42	-0.26	1.32	-0.39	1.83	-0.06
25	2.85	1.23	2.32	0.93	2.01	0.42	1.28	-0.40	1.79	-0.47	1.95	0.21
26	3.06	1.20	1.60	0.10	2.11	0.31	1.28	-0.69	1.39	-0.47	1.83	0.36
27	3.52	0.38	1.59	0.03	2.04	0.22	1.37	-0.58	1.13	-0.53	1.58	0.08
28	1.14	-0.27	2.04	0.48	1.90	0.21	1.80	-0.44	1.44	-0.69	1.36	-0.43
29	2.51	0.10	2.51	0.61	2.00	0.14	2.37	-0.03	1.56	-0.27	1.60	-0.33
30	3.03	1.51	2.96	1.22	1.89	-0.13	2.06	0.31	1.59	-0.13	1.51	-0.92
31	---	---	2.78	0.50	---	---	1.69	0.07	1.67	0.23	---	---
Month	3.52	-1.50	3.24	-1.50	2.43	---	2.37	-0.72	1.79	-0.71	2.50	-2.68