Water-Data Report 2012

08043700 Lake Amon G. Carter near Bowie, TX

Upper Trinity Basin
Upper West Fork Trinity Subbasin

LOCATION.--Lat 33°28′27″, long 97°51′46″ referenced to North American Datum of 1927, Montague County, TX, Hydrologic Unit 12030101, on Big Sandy Creek, in pumping station 7.1 mi south of Bowie.

DRAINAGE AREA.--100 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Mar. 1999 to Sept. 2002 (contents), Oct. 2002 to current year (daily mean elevation).

PERIOD OF RECORD, Water-Quality.--
CHEMICAL DATA: Jan. 1964 to Apr. 1976.

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

REMARKS.--Records good. Some records listed in the Period of Record for surface water and water quality may not be available electronically. In 1954 the original lake was formed by an earthfill dam 2,000 ft across Big Sandy Creek for the City of Bowie. In 1985 a new reservoir dam was completed 1.0 mi below the old dam. The old and new portions of the reservoir are connected by a corrugated metal pipe arch culvert (boat pass breach) with an invert elevation of 908 ft NGVD of 1929. The reservoirs are also connected by a 12 in siphon pipe through the old dam. Both reservoirs employ the emergency spillway on the old reservoir to pass flood water above elevation of 927 ft NGVD of 1929. The principal spillway tower has a 24 ft uncontrolled weir at 920 ft NGVD of 1929. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of new dam	945.0
Crest of spillway	927.0
Uncontrolled weir	920.0
Pipe arch culvert (boat pass breach)	908.0

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 38,060 acre-ft, Mar. 1, 2001, elevation, 924.46 ft; minimum contents, 14,180 acre-ft, Oct. 13, 2000, elevation, 910.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 918.65 ft, Apr. 7; minimum elevation, 914.29 ft, Oct. 7.

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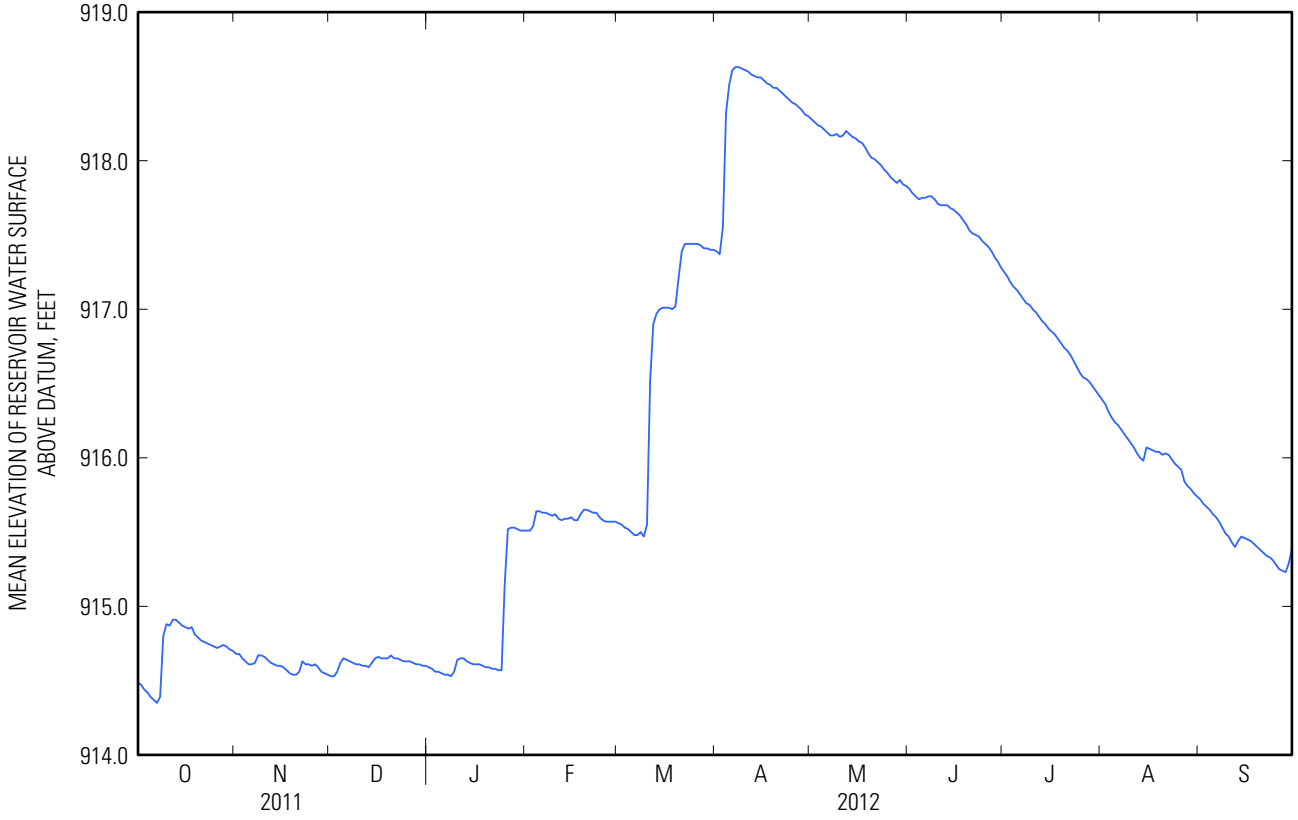
ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	914.49	914.68	914.53	914.59	915.51	915.56	917.39	918.28	917.81	917.25	916.39	915.72
2	914.47	914.68	914.53	914.58	915.51	915.55	917.37	918.26	917.78	917.22	916.36	915.69
3	914.44	914.65	914.56	914.56	915.54	915.53	917.55	918.24	917.76	917.18	916.31	915.67
4	914.42	914.63	914.62	914.56	915.64	915.52	918.32	918.23	917.74	917.15	916.27	915.65
5	914.39	914.61	914.65	914.55	915.64	915.50	918.51	918.21	917.75	917.13	916.24	915.62
6	914.37	914.61	914.64	914.54	915.63	915.48	918.61	918.19	917.75	917.10	916.22	915.60
7	914.35	914.62	914.63	914.54	915.63	915.48	918.63	918.17	917.76	917.07	916.19	915.57
8	914.39	914.67	914.62	914.53	915.62	915.50	918.63	918.17	917.76	917.04	916.16	915.53
9	914.80	914.67	914.61	914.56	915.61	915.47	918.62	918.18	917.74	917.03	916.13	915.49
10	914.88	914.66	914.61	914.64	915.62	915.55	918.61	918.16	917.71	917.00	916.10	915.47
11	914.87	914.64	914.60	914.65	915.59	916.52	918.60	918.17	917.70	916.98	916.07	915.43
12	914.91	914.62	914.60	914.65	915.58	916.90	918.58	918.20	917.70	916.95	916.03	915.40
13	914.91	914.61	914.59	914.63	915.59	916.97	918.57	918.18	917.70	916.92	916.00	915.44
14	914.89	914.60	914.62	914.62	915.59	917.00	918.56	918.16	917.68	916.90	915.98	915.47
15	914.87	914.60	914.65	914.61	915.60	917.01	918.56	918.15	917.67	916.87	916.07	915.46
16	914.86	914.59	914.66	914.61	915.58	917.01	918.54	918.13	917.65	916.85	916.06	915.45
17	914.85	914.57	914.65	914.61	915.58	917.01	918.52	918.12	917.63	916.83	916.05	915.44
18	914.86	914.55	914.65	914.60	915.62	917.00	918.51	918.09	917.60	916.80	916.04	915.42
19	914.81	914.54	914.65	914.59	915.65	917.02	918.49	918.05	917.57	916.77	916.04	915.40
20	914.79	914.54	914.67	914.59	915.65	917.21	918.49	918.02	917.53	916.74	916.02	915.38
21	914.77	914.56	914.65	914.58	915.64	917.39	918.47	918.01	917.51	916.72	916.03	915.36
22	914.76	914.63	914.65	914.58	915.63	917.44	918.45	917.99	917.50	916.69	916.02	915.34
23	914.75	914.61	914.64	914.57	915.63	917.44	918.43	917.97	917.49	916.65	915.99	915.33
24	914.74	914.61	914.63	914.57	915.60	917.44	918.41	917.94	917.46	916.61	915.96	915.31
25	914.73	914.60	914.63	915.15	915.58	917.44	918.39	917.92	917.44	916.57	915.94	915.28
26	914.72	914.61	914.63	915.52	915.57	917.44	918.38	917.89	917.42	916.54	915.92	915.25
27	914.73	914.59	914.62	915.53	915.57	917.43	918.36	917.87	917.39	916.53	915.84	915.24
28	914.74	914.56	914.61	915.53	915.57	917.41	918.34	917.85	917.35	916.51	915.81	915.23
29	914.73	914.55	914.61	915.52	915.57	917.41	918.31	917.87	917.32	916.48	915.79	915.29
30	914.71	914.54	914.60	915.51	---	917.40	918.30	917.84	917.28	916.45	915.76	915.38
31	914.70	---	914.60	915.51	---	917.40	---	917.83	---	916.42	915.74	---
Mean	914.70	914.61	914.62	914.79	915.60	916.66	918.38	918.08	917.61	916.84	916.05	915.44
Max	914.91	914.68	914.67	915.53	915.65	917.44	918.63	918.28	917.81	917.25	916.39	915.72
Min	914.35	914.54	914.53	914.53	915.51	915.47	917.37	917.83	917.28	916.42	915.74	915.23

	Calendar Year 2011	Water Year 2012
Mean	916.55	916.11
Max	918.50	918.63
Min	914.35	914.35

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