

Water-Data Report 2013

06868100 WILSON LAKE NEAR WILSON, KS

Smoky Hill Basin
Upper Saline Subbasin

LOCATION.--Lat 38°57'52", long 98°29'32" referenced to North American Datum of 1927, in NE ¼ NW ¼ SW ¼ sec.36, T.12 S., R.11 W., Russell County, KS, Hydrologic Unit 10260009, in the control tower near right end of Wilson Dam on the Saline River, 10 mi north of Wilson, and at mile 153.9.

DRAINAGE AREA.--1,917 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1964 to current year. Prior to October 1971, published as "Wilson Reservoir."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good except those for estimated daily elevations, which are fair. Reservoir is formed by earthfill dam. Storage began Dec. 29, 1964. Total capacity, 1,667,000 acre-ft below elevation 1,587.5 ft, consisting of 1,420 acre-ft of dead storage below elevation 1,450 ft; conservation pool, 241,100 acre-ft between elevations 1,450 ft and 1,516 ft; flood-control pool, 1,245,000 acre-ft between elevations 1,516 ft and 1,582 ft, crest of spillway; and surcharge capacity of 179,500 acre-ft between elevations 1,582 ft and 1,587.5 ft. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,548.23 ft, Aug. 6, 1993, contents, 663,600 acre-ft; minimum elevation since conservation pool first filled, 1,493.59 ft, Dec. 26, 1966, contents, 91,500 acre-ft. Minimum elevation since Mar. 12, 1973, when top of conservation pool first reached, 1,508.71, Dec. 11, 2006, contents, 182,000 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,513.10 ft, Oct. 1, contents, 211,900 acre-ft; minimum elevation, 1,510.99 ft, Sept. 28, contents, 194,800 acre-ft.

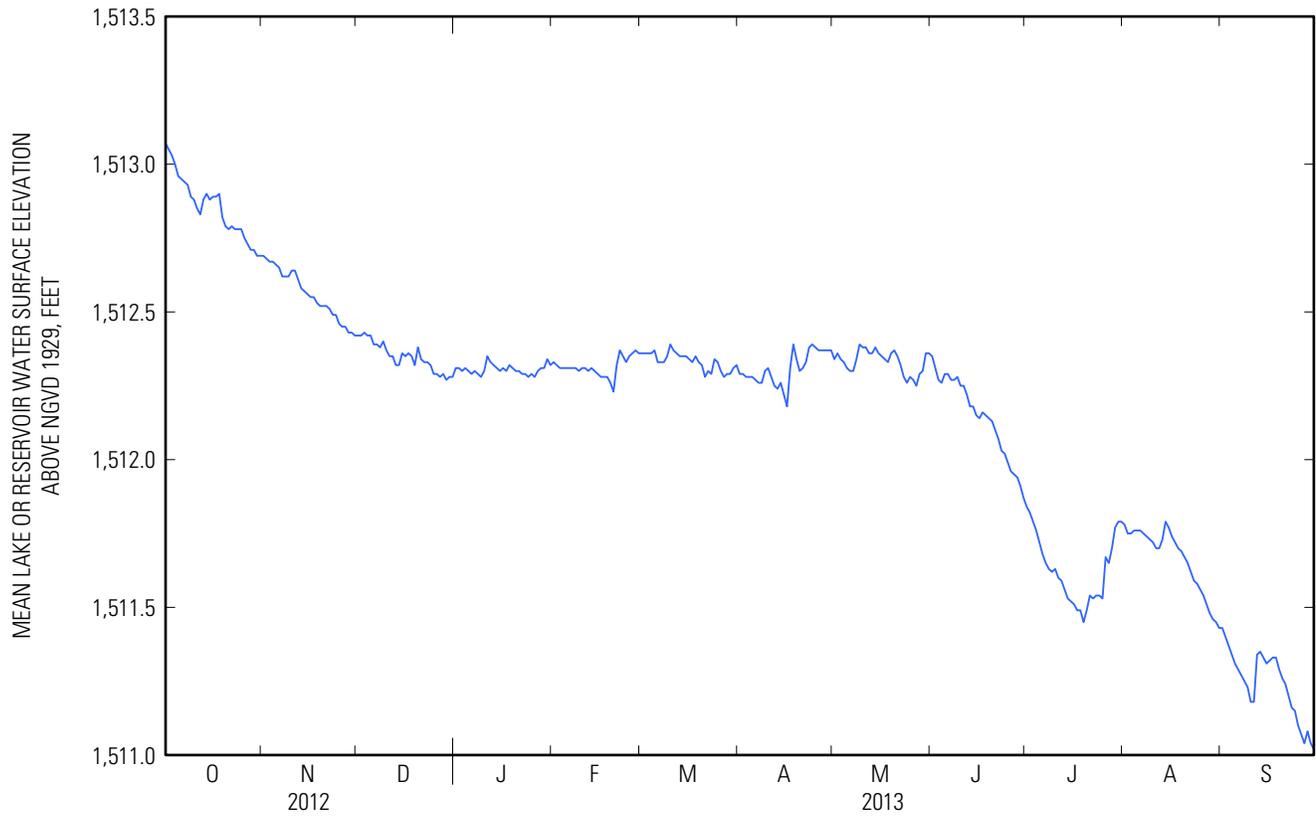
06868100 WILSON LAKE NEAR WILSON, KS—Continued

LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,513.07	1,512.69	1,512.42	1,512.31	1,512.33	1,512.36	1,512.29	1,512.34	1,512.35	1,511.84	1,511.78	1,511.43
2	1,513.05	1,512.68	1,512.42	1,512.31	1,512.32	1,512.36	1,512.29	1,512.36	1,512.31	1,511.82	1,511.75	1,511.40
3	1,513.03	1,512.67	1,512.43	1,512.30	1,512.31	1,512.36	1,512.28	1,512.34	1,512.27	1,511.79	1,511.75	1,511.37
4	e1,513.00	1,512.67	1,512.42	1,512.31	1,512.31	1,512.36	1,512.28	1,512.33	1,512.26	1,511.76	1,511.76	1,511.34
5	1,512.96	1,512.66	1,512.42	1,512.30	1,512.31	1,512.37	1,512.28	1,512.31	1,512.29	1,511.72	1,511.76	1,511.31
6	1,512.95	1,512.65	1,512.39	1,512.29	1,512.31	1,512.33	1,512.27	1,512.30	1,512.29	1,511.68	1,511.76	1,511.29
7	1,512.94	1,512.62	1,512.39	1,512.30	1,512.31	1,512.33	1,512.26	1,512.30	1,512.27	1,511.65	1,511.75	1,511.27
8	1,512.93	1,512.62	1,512.38	1,512.29	1,512.31	1,512.33	1,512.26	1,512.34	1,512.27	1,511.63	1,511.74	1,511.25
9	1,512.89	1,512.62	1,512.40	1,512.28	1,512.30	1,512.35	1,512.30	1,512.39	1,512.28	1,511.62	1,511.73	1,511.23
10	1,512.88	1,512.64	1,512.37	1,512.30	e1,512.31	1,512.39	1,512.31	1,512.38	1,512.25	1,511.63	1,511.72	1,511.18
11	1,512.85	1,512.64	1,512.35	1,512.35	1,512.31	1,512.37	1,512.28	1,512.38	1,512.25	1,511.60	1,511.70	1,511.18
12	1,512.83	1,512.61	1,512.35	1,512.33	1,512.30	1,512.36	1,512.25	1,512.36	1,512.22	1,511.59	1,511.70	1,511.34
13	1,512.88	1,512.58	1,512.32	1,512.32	1,512.31	1,512.35	1,512.24	1,512.36	1,512.18	1,511.56	1,511.73	1,511.35
14	1,512.90	1,512.57	1,512.32	1,512.31	1,512.30	1,512.35	1,512.26	1,512.38	1,512.18	1,511.53	1,511.79	1,511.33
15	1,512.88	1,512.56	1,512.36	1,512.30	1,512.29	1,512.35	1,512.22	1,512.36	1,512.15	1,511.52	1,511.77	1,511.31
16	1,512.89	1,512.55	1,512.35	1,512.31	1,512.28	1,512.34	1,512.18	1,512.35	1,512.14	1,511.51	1,511.74	1,511.32
17	1,512.89	1,512.55	1,512.36	1,512.30	1,512.28	1,512.33	1,512.31	1,512.34	1,512.16	1,511.49	1,511.72	1,511.33
18	1,512.90	1,512.53	1,512.35	1,512.32	1,512.28	1,512.35	1,512.39	1,512.33	1,512.15	1,511.49	1,511.70	1,511.33
19	1,512.82	1,512.52	1,512.32	1,512.31	1,512.26	1,512.33	1,512.34	1,512.36	1,512.14	1,511.45	1,511.69	1,511.29
20	1,512.79	1,512.52	1,512.38	1,512.30	1,512.23	1,512.32	1,512.30	1,512.37	1,512.13	1,511.49	1,511.67	1,511.26
21	1,512.78	1,512.52	1,512.34	1,512.30	1,512.32	1,512.28	1,512.31	1,512.35	1,512.10	1,511.54	1,511.65	1,511.24
22	1,512.79	1,512.51	1,512.33	1,512.29	1,512.37	1,512.30	1,512.33	1,512.32	1,512.07	1,511.53	1,511.62	1,511.20
23	1,512.78	1,512.49	1,512.33	1,512.29	1,512.35	1,512.29	1,512.38	1,512.28	1,512.03	1,511.54	1,511.59	1,511.16
24	1,512.78	1,512.49	1,512.32	1,512.28	1,512.33	1,512.34	1,512.39	1,512.26	1,512.02	1,511.54	1,511.58	1,511.15
25	1,512.78	1,512.46	1,512.29	1,512.29	1,512.35	1,512.33	1,512.38	1,512.28	1,511.99	1,511.53	1,511.56	1,511.10
26	1,512.75	1,512.45	1,512.29	1,512.28	1,512.36	1,512.30	1,512.37	1,512.27	1,511.96	1,511.67	1,511.54	1,511.07
27	1,512.73	1,512.45	1,512.28	1,512.30	1,512.37	1,512.28	1,512.37	1,512.25	1,511.95	1,511.65	1,511.51	1,511.04
28	1,512.71	1,512.43	1,512.29	1,512.31	1,512.36	1,512.29	1,512.37	1,512.29	1,511.94	1,511.70	1,511.48	1,511.08
29	1,512.71	1,512.43	1,512.27	1,512.31	---	1,512.29	1,512.37	1,512.30	1,511.91	1,511.77	1,511.46	1,511.04
30	1,512.69	1,512.42	1,512.28	1,512.34	---	1,512.31	1,512.37	1,512.36	1,511.87	1,511.79	1,511.45	1,511.02
31	1,512.69	---	1,512.28	1,512.32	---	1,512.32	---	1,512.36	---	1,511.79	1,511.43	---
Mean	1,512.86	1,512.56	1,512.35	1,512.31	1,512.31	1,512.33	1,512.31	1,512.33	1,512.15	1,511.63	1,511.66	1,511.24
Max	1,513.07	1,512.69	1,512.43	1,512.35	1,512.37	1,512.39	1,512.39	1,512.39	1,512.35	1,511.84	1,511.79	1,511.43
Min	1,512.69	1,512.42	1,512.27	1,512.28	1,512.23	1,512.28	1,512.18	1,512.25	1,511.87	1,511.45	1,511.43	1,511.02

06868100 WILSON LAKE NEAR WILSON, KS—Continued



06868100 WILSON LAKE NEAR WILSON, KS—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	211,600	208,500	206,400	205,400	205,600	e205,800	205,300	205,700	205,700	201,600	201,100	198,300
2	211,500	208,400	206,400	205,400	205,500	205,800	205,200	205,800	205,400	201,400	200,900	198,100
3	211,300	208,400	206,400	205,400	205,400	205,800	205,200	205,700	205,100	201,200	200,900	197,800
4	e211,000	208,400	206,400	205,400	205,400	205,900	205,200	205,600	205,100	201,000	201,000	197,600
5	210,800	208,300	206,300	205,400	205,400	205,900	205,200	205,400	205,300	200,600	201,000	197,400
6	210,700	208,200	206,100	205,300	205,400	205,600	205,100	205,400	205,200	200,400	201,000	197,200
7	210,600	208,000	206,100	205,300	205,500	205,600	205,000	205,300	205,100	200,100	200,900	197,100
8	210,500	207,900	206,000	205,300	205,400	205,600	205,000	205,700	205,100	199,900	200,800	196,900
9	210,100	207,900	206,200	205,200	205,400	205,800	205,300	206,100	205,200	199,800	200,800	196,700
10	210,000	208,100	205,900	205,400	e205,400	206,100	205,500	206,000	204,900	199,900	200,700	196,300
11	209,800	208,100	205,700	205,700	205,400	205,900	205,200	206,000	204,900	199,700	200,500	196,300
12	209,600	207,900	205,700	205,600	205,400	205,800	205,000	205,900	204,700	199,600	200,500	197,600
13	210,100	207,600	205,500	205,500	205,400	205,800	204,800	205,900	204,300	199,300	200,700	197,700
14	210,300	207,500	205,500	205,400	205,400	205,800	205,000	206,000	204,400	199,100	201,200	197,500
15	210,100	207,400	205,800	205,400	205,300	205,800	204,700	205,800	204,200	199,100	201,100	197,400
16	210,100	207,400	205,800	205,400	205,200	205,700	204,400	205,700	204,100	199,000	200,800	197,500
17	210,200	207,400	205,800	205,400	205,200	205,600	205,400	205,700	204,200	198,900	200,600	197,500
18	210,300	207,200	205,700	205,500	205,200	205,700	206,100	205,600	204,100	198,800	200,500	197,500
19	209,600	207,200	205,500	205,400	205,000	205,600	205,700	205,900	204,000	198,500	200,500	197,200
20	209,300	207,100	206,000	205,300	204,800	205,500	205,300	205,900	203,900	198,800	200,300	197,000
21	209,300	207,200	205,600	205,300	205,500	205,200	205,500	205,800	203,700	199,200	200,100	196,800
22	209,300	207,000	205,600	205,300	205,900	205,300	205,600	205,500	203,500	199,100	199,800	196,500
23	209,300	206,900	205,600	205,300	205,800	205,300	206,000	205,200	203,100	199,200	199,600	196,200
24	209,200	206,900	205,500	205,200	205,600	205,700	206,100	205,000	203,100	199,200	199,500	196,100
25	209,300	206,700	205,300	205,200	205,800	205,600	206,000	205,100	202,800	199,200	199,400	195,600
26	209,000	206,600	205,300	205,200	205,900	205,300	205,900	205,100	202,600	200,300	199,200	195,400
27	208,900	206,600	205,200	205,400	205,900	205,200	205,900	204,900	202,500	200,100	199,000	195,200
28	208,700	206,500	205,300	205,400	205,800	205,300	205,900	205,300	202,400	200,500	198,700	195,500
29	208,700	206,400	205,100	205,400	---	205,200	205,900	205,400	202,200	201,100	198,600	195,200
30	208,600	206,400	205,200	205,700	---	205,400	205,900	205,800	201,900	201,200	198,500	195,100
31	208,500	---	205,100	205,500	---	205,500	---	205,800	---	201,200	198,300	---
Mean	209,900	207,500	205,700	205,400	205,500	205,600	205,400	205,600	204,100	199,900	200,200	196,800