

Water-Data Report 2013

06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, KS

Big Blue Basin
Lower Big Blue Subbasin

LOCATION.--Lat 39°15'16", long 96°36'08" referenced to North American Datum of 1927, in SW ¼ SE ¼ NW ¼ sec.24, T.9 S., R.7 E., Pottawatomie County, KS, Hydrologic Unit 10270205, on Big Blue River, near right end of dam, 5.0 mi north of Manhattan, and at mile 10.0.

DRAINAGE AREA.--9,628 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March to April 1960, March 1962 to current year. Prior to October 1968, published as "Tuttle Creek Reservoir near Randolph." October 1968 to September 1971 published as "Tuttle Creek Reservoir near Manhattan."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 1, 1968, at site 19.8 mi upstream at same datum.

REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Mar. 15, 1962. Conservation pool elevation was first reached on Apr. 30, 1963. Total capacity, 3,186,000 acre-ft consisting of the following: Sedimentation, 211,500 acre-ft below elevation 1,061.0 ft; conservation pool, 177,100 acre-ft between elevations 1,061.0 ft and 1,075.0 ft; flood-control pool, 1,937,000 acre-ft between elevations 1,075.0 ft and 1,136.0 ft; and surcharge pool, 860,100 acre-ft between elevations 1,136.0 ft and 1,150.0 ft. Reservoir is used to store water for flood control. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,137.76 ft, July 22, 1993, contents, 2,423,000 acre-ft; minimum elevation since conservation pool was first reached, 1,060.82 ft, Jan. 4, 1967, contents, 231,000 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,089.03 ft, June 3, contents, 472,300 acre-ft; minimum elevation, 1,062.27 ft, Jan. 24, contents, 139,800 acre-ft.

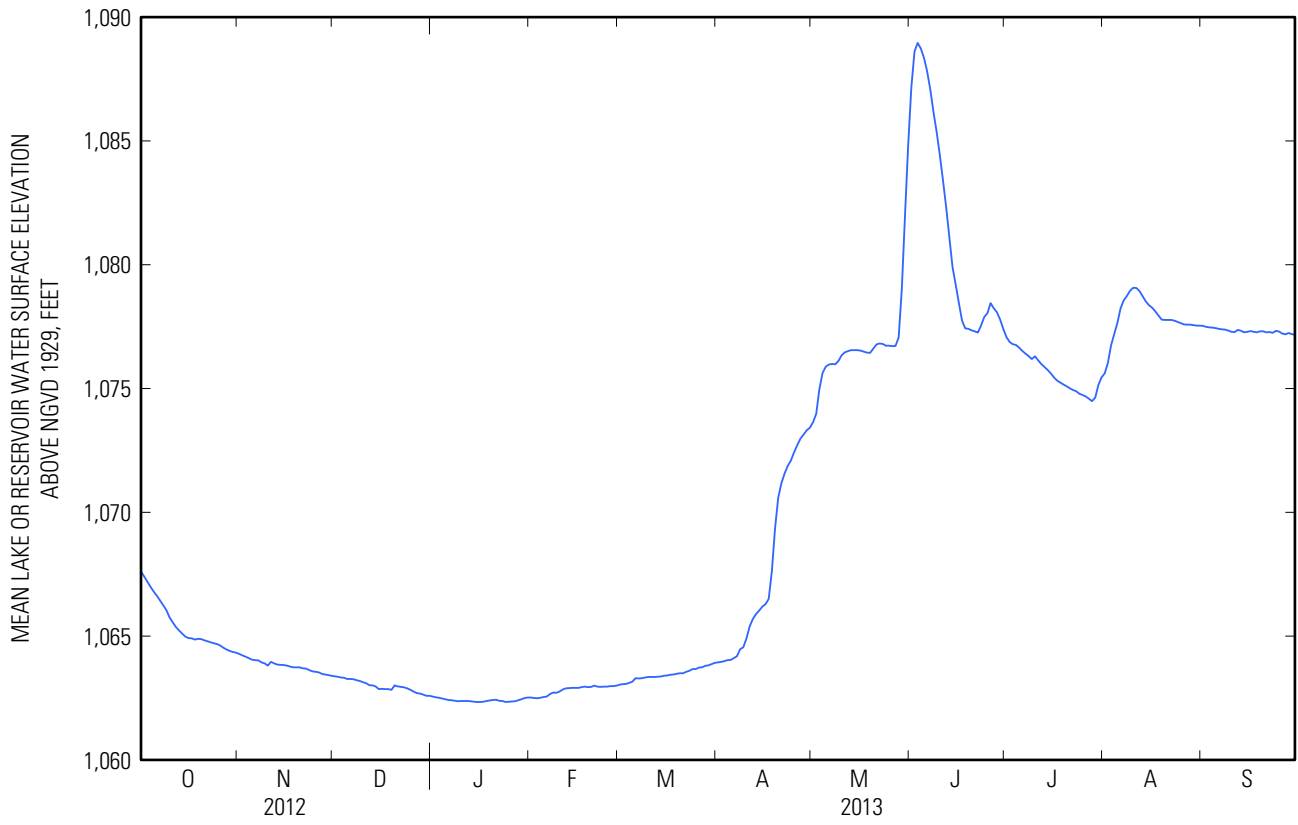
06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, KS—Continued

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	1,067.61	1,064.28	1,063.38	1,062.56	1,062.52	1,063.04	1,063.94	1,073.64	1,087.16	1,077.08	1,075.61	1,077.53
2	1,067.41	1,064.22	1,063.36	e1,062.53	1,062.50	1,063.06	1,063.96	1,073.98	1,088.61	1,076.88	1,076.03	1,077.49
3	1,067.20	1,064.17	1,063.33	e1,062.51	1,062.49	1,063.07	1,063.99	1,074.98	1,088.96	1,076.79	1,076.74	1,077.47
4	1,066.99	1,064.11	1,063.32	1,062.48	1,062.51	1,063.11	1,064.03	1,075.63	1,088.73	1,076.76	1,077.20	1,077.46
5	1,066.80	1,064.05	1,063.27	1,062.45	1,062.54	1,063.16	1,064.04	1,075.88	1,088.35	1,076.65	1,077.65	1,077.44
6	1,066.63	1,064.03	1,063.27	1,062.42	1,062.56	1,063.30	1,064.11	1,075.97	1,087.80	1,076.52	1,078.24	1,077.41
7	1,066.44	1,064.02	1,063.26	1,062.41	1,062.66	1,063.29	1,064.19	1,075.99	1,087.06	1,076.41	1,078.56	1,077.39
8	1,066.25	1,063.94	1,063.22	1,062.39	1,062.72	1,063.30	1,064.47	1,075.98	1,086.15	1,076.31	1,078.74	1,077.38
9	e1,066.05	1,063.90	1,063.19	1,062.37	1,062.71	1,063.33	1,064.55	1,076.11	1,085.35	1,076.19	1,078.95	1,077.34
10	1,065.76	1,063.81	1,063.14	1,062.38	1,062.76	1,063.35	1,064.91	1,076.34	1,084.42	1,076.30	1,079.07	1,077.29
11	1,065.56	1,063.96	1,063.10	1,062.38	1,062.84	1,063.35	1,065.39	1,076.46	1,083.39	1,076.14	1,079.06	1,077.28
12	1,065.37	1,063.90	1,063.02	1,062.38	1,062.89	1,063.35	1,065.69	1,076.51	1,082.31	1,075.99	1,078.93	1,077.37
13	1,065.23	1,063.85	1,063.01	1,062.37	1,062.90	1,063.36	1,065.89	1,076.55	1,081.10	1,075.87	1,078.72	1,077.33
14	1,065.10	1,063.84	1,062.97	1,062.35	1,062.91	1,063.37	1,066.03	1,076.55	1,079.90	1,075.75	1,078.51	1,077.27
15	1,064.98	1,063.83	1,062.86	1,062.34	1,062.91	1,063.40	1,066.19	1,076.55	1,079.19	1,075.61	1,078.36	1,077.29
16	1,064.92	1,063.81	1,062.87	1,062.34	1,062.91	1,063.41	1,066.29	1,076.53	1,078.45	1,075.45	1,078.26	1,077.32
17	1,064.91	1,063.77	1,062.86	1,062.35	1,062.94	1,063.44	1,066.50	1,076.49	1,077.74	1,075.32	1,078.11	1,077.29
18	1,064.86	1,063.74	1,062.86	1,062.38	1,062.96	1,063.45	1,067.61	1,076.45	1,077.43	1,075.24	1,077.94	1,077.27
19	1,064.89	1,063.74	1,062.83	1,062.40	1,062.94	1,063.48	1,069.34	1,076.44	1,077.41	1,075.16	1,077.78	1,077.31
20	1,064.88	1,063.74	1,063.01	1,062.42	1,062.95	1,063.50	1,070.58	1,076.61	1,077.35	1,075.09	1,077.77	1,077.31
21	1,064.83	1,063.70	1,062.97	1,062.43	1,063.00	1,063.50	1,071.17	1,076.78	1,077.31	1,075.01	1,077.77	1,077.27
22	1,064.79	1,063.69	1,062.95	1,062.39	1,062.96	1,063.56	1,071.56	1,076.82	1,077.26	1,074.94	1,077.77	1,077.28
23	1,064.75	1,063.63	1,062.93	1,062.38	1,062.95	1,063.60	1,071.87	1,076.80	1,077.55	1,074.89	1,077.74	1,077.25
24	1,064.71	1,063.58	1,062.89	1,062.34	1,062.96	1,063.67	1,072.09	1,076.73	1,077.89	1,074.79	1,077.69	1,077.33
25	1,064.68	1,063.56	1,062.83	1,062.35	1,062.96	1,063.67	1,072.42	1,076.73	1,078.04	1,074.74	1,077.64	1,077.30
26	1,064.62	1,063.54	1,062.76	1,062.36	1,062.98	1,063.73	1,072.71	1,076.71	1,078.45	1,074.68	1,077.59	1,077.22
27	1,064.53	1,063.48	1,062.70	1,062.37	1,062.98	1,063.74	1,072.97	1,076.72	1,078.24	1,074.59	1,077.58	1,077.19
28	1,064.46	1,063.45	1,062.68	1,062.41	1,063.00	1,063.80	1,073.14	1,077.06	1,078.08	1,074.49	1,077.58	1,077.24
29	1,064.40	1,063.43	1,062.64	1,062.45	---	1,063.82	1,073.31	1,079.03	1,077.79	1,074.63	1,077.56	1,077.20
30	1,064.36	1,063.40	1,062.59	1,062.50	---	1,063.87	1,073.42	1,081.98	1,077.41	1,075.14	1,077.54	1,077.17
31	1,064.33	---	1,062.59	1,062.52	---	1,063.92	---	1,084.82	---	1,075.45	1,077.54	---
Mean	1,065.43	1,063.81	1,062.99	1,062.41	1,062.82	1,063.45	1,067.88	1,076.77	1,081.50	1,075.64	1,077.88	1,077.32
Max	1,067.61	1,064.28	1,063.38	1,062.56	1,063.00	1,063.92	1,073.42	1,084.82	1,088.96	1,077.08	1,079.07	1,077.53
Min	1,064.33	1,063.40	1,062.59	1,062.34	1,062.49	1,063.04	1,063.94	1,073.64	1,077.26	1,074.49	1,075.61	1,077.17

06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, KS—Continued



06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, 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	185,000	156,400	148,800	142,100	141,800	146,100	153,500	242,500	436,300	280,500	263,700	286,000
2	183,300	155,800	148,700	e141,900	141,700	146,200	153,700	246,000	464,100	278,100	268,400	285,500
3	181,400	155,400	148,500	e141,700	141,600	146,300	153,900	256,800	471,000	277,000	276,500	285,200
4	179,600	154,900	148,400	141,500	141,800	146,700	154,200	264,000	466,400	276,700	281,900	285,000
5	177,900	154,400	147,900	141,300	142,000	147,100	154,300	266,700	459,000	275,500	287,400	284,800
6	176,400	154,200	147,900	141,100	142,200	148,200	154,900	267,700	448,400	273,900	294,700	284,500
7	174,800	154,200	147,800	140,900	143,000	148,200	155,600	267,900	434,400	272,800	298,700	284,300
8	173,100	153,500	147,500	140,800	143,500	148,200	157,900	267,800	417,700	271,500	301,000	284,100
9	e171,300	153,100	147,300	140,700	143,400	148,400	158,600	269,200	403,300	270,200	303,600	283,600
10	168,800	152,400	146,900	140,700	143,800	148,600	161,600	271,900	387,200	271,400	305,200	283,000
11	167,200	153,700	146,500	140,700	144,400	148,600	165,700	273,300	369,900	269,600	305,000	282,900
12	165,500	153,200	145,900	140,700	144,800	148,600	168,300	273,900	352,600	267,900	303,400	283,900
13	164,300	152,700	145,800	140,600	144,900	148,700	170,000	274,300	334,000	266,600	300,800	283,500
14	163,200	152,700	145,500	140,400	145,000	148,800	171,200	274,300	316,600	265,200	298,100	282,700
15	162,200	152,600	144,600	140,400	145,000	149,000	172,500	274,300	306,900	263,700	296,200	283,000
16	161,700	152,400	144,600	140,300	145,000	149,100	173,400	274,100	297,300	262,000	295,000	283,400
17	161,600	152,100	144,600	140,500	145,200	149,400	175,300	273,700	288,600	260,500	293,100	283,000
18	161,200	151,800	144,600	140,700	145,400	149,500	182,000	273,200	284,700	259,600	291,000	282,800
19	161,400	151,900	144,300	140,900	145,200	149,700	200,700	273,100	284,500	258,800	289,000	283,300
20	161,400	151,900	145,800	141,100	145,300	149,900	212,300	275,000	283,700	258,000	288,800	283,300
21	161,000	151,500	145,500	141,100	145,700	149,900	218,000	277,000	283,200	257,100	288,900	282,700
22	160,600	151,400	145,300	140,800	145,400	150,300	221,800	277,400	282,600	256,300	288,900	282,900
23	160,200	150,900	145,200	140,700	145,400	150,600	224,800	277,200	286,200	255,800	288,500	282,600
24	160,000	150,500	144,900	140,400	145,400	151,300	226,900	276,400	290,300	254,800	287,900	283,500
25	159,700	150,400	144,400	140,400	145,400	151,200	230,200	276,400	292,200	254,200	287,300	283,100
26	159,200	150,200	143,800	140,500	145,600	151,800	233,000	276,200	297,400	253,500	286,600	282,200
27	158,400	149,700	143,300	140,700	145,600	151,800	235,600	276,300	294,700	252,600	286,500	281,800
28	157,900	149,400	143,100	141,000	145,700	152,300	237,400	280,200	292,700	251,500	286,500	282,400
29	157,300	149,300	142,800	141,300	---	152,500	239,100	305,000	289,200	253,000	286,300	281,900
30	157,000	149,000	142,400	141,700	---	152,900	240,200	347,700	284,500	258,500	286,100	281,500
31	156,800	---	142,400	141,900	---	153,300	---	394,200	---	262,000	286,000	---
Mean	166,100	152,400	145,600	141,000	144,300	149,500	188,600	278,200	346,700	264,200	290,400	283,400