

Water-Data Report 2013

07140885 HORSETHIEF RESERVOIR NEAR JETMORE, KS

Middle Arkansas Basin
Buckner Subbasin

LOCATION.--Lat 38°03'36", long 100°02'57" referenced to North American Datum of 1927, in SW ¼ NE ¼ SE ¼ sec.10, T.23 S., R.25 W., Hodgeman County, KS, Hydrologic Unit 11030006, on west side of dam, 8.0 mi west and 1.0 mi south of Jetmore.

DRAINAGE AREA.--229 mi² of which 43 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2009 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Sept. 8, 2009. Dam was completed in 2009. Total capacity, 24,960 acre-ft. Conservation pool elevation is 2,422 ft, 6,200 acre-ft and auxiliary spillway elevation is 2,444 ft, 24,960 acre-ft. Top of dam elevation is 2,460 ft. Reservoir is used to store water for flood control and recreation. Figures herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2,413.06 ft, June 17, 2010, contents, 3,110 acre-ft; minimum elevation, 2,394.23 ft, Aug. 26, 2009, contents, 361 acre-ft.

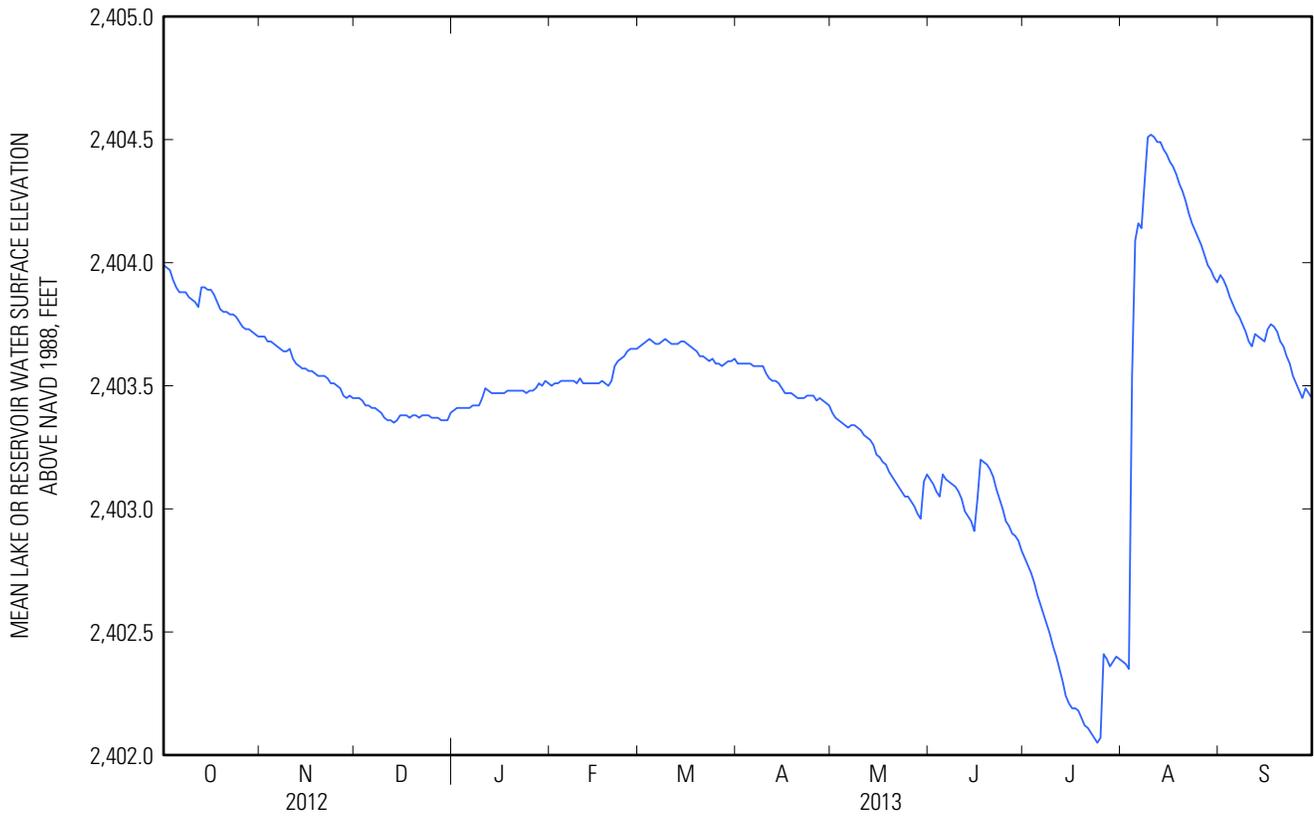
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,404.53 ft, Aug. 9, contents, 1,350 acre-ft; minimum elevation, 2,402.00 ft, July 25, contents, 1,020 acre-ft.

07140885 HORSETHIEF RESERVOIR NEAR JETMORE, KS—Continued

LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NAVD 1988, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,403.99	2,403.70	2,403.45	2,403.40	2,403.50	2,403.66	2,403.59	2,403.39	2,403.12	2,402.80	2,402.38	2,403.95
2	2,403.98	2,403.70	2,403.45	2,403.41	2,403.51	2,403.67	2,403.59	2,403.37	2,403.10	2,402.77	2,402.37	2,403.93
3	2,403.97	2,403.68	2,403.44	2,403.41	2,403.51	2,403.68	2,403.59	2,403.36	2,403.07	2,402.74	2,402.35	2,403.90
4	2,403.93	2,403.68	2,403.42	2,403.41	2,403.52	2,403.69	2,403.59	2,403.35	2,403.05	2,402.70	2,403.53	2,403.86
5	2,403.90	2,403.67	2,403.42	2,403.41	2,403.52	2,403.68	2,403.59	2,403.34	2,403.14	2,402.65	2,404.09	2,403.83
6	2,403.88	2,403.66	2,403.41	2,403.41	2,403.52	2,403.67	2,403.58	2,403.33	2,403.12	2,402.61	2,404.16	2,403.80
7	2,403.88	2,403.65	2,403.41	2,403.42	2,403.52	2,403.67	2,403.58	2,403.34	2,403.11	2,402.57	2,404.14	2,403.78
8	2,403.88	2,403.64	2,403.40	2,403.42	2,403.52	2,403.68	2,403.58	2,403.34	2,403.10	2,402.53	2,404.33	2,403.75
9	2,403.86	2,403.64	2,403.39	2,403.42	2,403.51	2,403.69	2,403.58	2,403.33	2,403.09	2,402.49	2,404.51	2,403.72
10	2,403.85	2,403.65	2,403.37	2,403.45	2,403.53	2,403.68	2,403.55	2,403.32	2,403.07	2,402.44	2,404.52	2,403.68
11	2,403.84	2,403.61	2,403.36	2,403.49	2,403.51	2,403.67	2,403.53	2,403.30	2,403.04	2,402.40	2,404.51	2,403.66
12	2,403.82	2,403.59	2,403.36	2,403.48	2,403.51	2,403.67	2,403.52	2,403.29	2,402.99	2,402.35	2,404.49	2,403.71
13	2,403.90	2,403.58	2,403.35	2,403.47	2,403.51	2,403.67	2,403.52	2,403.28	2,402.97	2,402.30	2,404.49	2,403.70
14	2,403.90	2,403.57	2,403.36	2,403.47	2,403.51	2,403.68	2,403.51	2,403.26	2,402.95	2,402.24	2,404.46	2,403.69
15	2,403.89	2,403.57	2,403.38	2,403.47	2,403.51	2,403.68	2,403.49	2,403.22	2,402.91	2,402.21	2,404.44	2,403.68
16	2,403.89	2,403.56	2,403.38	2,403.47	2,403.51	2,403.67	2,403.47	2,403.21	2,403.04	2,402.19	2,404.41	2,403.73
17	2,403.87	2,403.56	2,403.38	2,403.47	2,403.52	2,403.66	2,403.47	2,403.19	2,403.20	2,402.19	2,404.39	2,403.75
18	2,403.84	2,403.55	2,403.37	2,403.48	2,403.51	2,403.65	2,403.47	2,403.18	2,403.19	2,402.18	2,404.36	2,403.74
19	2,403.81	2,403.54	2,403.38	2,403.48	2,403.50	2,403.64	2,403.46	2,403.15	2,403.18	2,402.15	2,404.32	2,403.72
20	2,403.80	2,403.54	2,403.38	2,403.48	2,403.52	2,403.62	2,403.45	2,403.13	2,403.16	2,402.12	2,404.29	2,403.68
21	2,403.80	2,403.54	2,403.37	2,403.48	2,403.58	2,403.62	2,403.45	2,403.11	2,403.13	2,402.11	2,404.25	2,403.66
22	2,403.79	2,403.53	2,403.38	2,403.48	2,403.60	2,403.61	2,403.45	2,403.09	2,403.08	2,402.09	2,404.20	2,403.62
23	2,403.79	2,403.51	2,403.38	2,403.48	2,403.61	2,403.60	2,403.46	2,403.07	2,403.04	2,402.07	2,404.16	2,403.59
24	2,403.78	2,403.51	2,403.38	2,403.47	2,403.62	2,403.61	2,403.46	2,403.05	2,403.00	2,402.05	2,404.13	2,403.54
25	2,403.76	2,403.50	2,403.37	2,403.48	2,403.64	2,403.59	2,403.46	2,403.05	2,402.95	2,402.07	2,404.10	2,403.51
26	2,403.74	2,403.49	2,403.37	2,403.48	2,403.65	2,403.59	2,403.44	2,403.03	2,402.93	2,402.41	2,404.07	2,403.48
27	2,403.73	2,403.46	2,403.37	2,403.49	2,403.65	2,403.58	2,403.45	2,403.01	2,402.90	2,402.39	2,404.03	2,403.45
28	2,403.73	2,403.45	2,403.36	2,403.51	2,403.65	2,403.59	2,403.44	2,402.98	2,402.89	2,402.36	2,403.99	2,403.49
29	2,403.72	2,403.46	2,403.36	2,403.50	---	2,403.60	2,403.43	2,402.96	2,402.87	2,402.38	2,403.97	2,403.47
30	2,403.71	2,403.45	2,403.36	2,403.52	---	2,403.60	2,403.42	2,403.11	2,402.83	2,402.40	2,403.94	2,403.45
31	2,403.70	---	2,403.39	2,403.51	---	2,403.61	---	2,403.14	---	2,402.39	2,403.92	---
Mean	2,403.84	2,403.57	2,403.39	2,403.46	2,403.55	2,403.64	2,403.51	2,403.20	2,403.04	2,402.37	2,404.04	2,403.68
Max	2,403.99	2,403.70	2,403.45	2,403.52	2,403.65	2,403.69	2,403.59	2,403.39	2,403.20	2,402.80	2,404.52	2,403.95
Min	2,403.70	2,403.45	2,403.35	2,403.40	2,403.50	2,403.58	2,403.42	2,402.96	2,402.83	2,402.05	2,402.35	2,403.45

07140885 HORSETHIEF RESERVOIR NEAR JETMORE, KS—Continued



07140885 HORSETHIEF RESERVOIR NEAR JETMORE, 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	---	---	1,200	1,190	1,200	1,220	1,210	1,190	1,150	1,120	1,070	1,260
2	---	---	1,190	1,190	1,200	1,220	1,210	1,190	1,150	1,110	1,060	1,250
3	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,150	1,110	1,060	1,250
4	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,150	1,100	1,210	1,250
5	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,160	1,100	1,280	1,240
6	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,160	1,090	1,290	1,240
7	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,150	1,090	1,290	1,230
8	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,150	1,080	1,320	1,230
9	---	---	1,190	1,190	1,200	1,220	1,210	1,180	1,150	1,080	1,350	1,230
10	---	---	1,190	1,200	1,200	1,220	1,210	1,180	1,150	1,070	1,350	1,220
11	---	---	1,180	1,200	1,200	1,220	1,200	1,180	1,150	1,070	1,350	1,220
12	---	---	1,180	1,200	1,200	1,220	1,200	1,180	1,140	1,060	1,340	1,230
13	---	---	1,180	1,200	1,200	1,220	1,200	1,170	1,140	1,060	1,340	1,230
14	---	---	1,180	1,200	1,200	1,220	1,200	1,170	1,130	1,050	1,340	1,220
15	---	---	1,190	1,200	1,200	1,220	1,200	1,170	1,130	1,040	1,340	1,220
16	---	---	1,190	1,200	1,200	1,220	1,200	1,170	1,150	1,040	1,330	1,230
17	---	---	1,190	1,200	1,200	1,220	1,200	1,160	1,160	1,040	1,330	1,230
18	---	---	1,190	1,200	1,200	1,220	1,200	1,160	1,160	1,040	1,320	1,230
19	---	---	1,190	1,200	1,200	1,220	1,200	1,160	1,160	1,040	1,320	1,230
20	---	---	1,190	1,200	1,200	1,220	1,200	1,160	1,160	1,030	1,310	1,220
21	---	---	1,190	1,200	1,210	1,220	1,200	1,150	1,160	1,030	1,300	1,220
22	---	---	1,190	1,200	1,210	1,210	1,190	e1,150	1,150	1,030	1,300	1,220
23	---	---	1,190	1,200	1,210	1,210	1,200	1,150	1,150	1,030	1,290	1,210
24	---	---	1,190	1,200	1,220	1,210	1,200	1,150	1,140	1,020	1,280	1,210
25	---	1,200	1,190	1,200	1,220	1,210	1,200	1,150	1,130	1,030	1,280	1,200
26	---	1,200	1,190	1,200	1,220	1,210	1,190	1,140	1,130	1,070	1,270	1,200
27	---	1,200	1,190	1,200	1,220	1,210	1,190	1,140	1,130	1,070	1,270	1,200
28	---	1,200	1,180	1,200	1,220	1,210	1,190	1,140	1,130	1,060	1,260	1,200
29	---	1,200	1,180	1,200	---	1,210	1,190	1,140	1,120	1,070	1,260	1,200
30	---	1,200	1,180	1,200	---	1,210	1,190	1,150	1,120	1,070	1,260	1,200
31	---	---	1,190	1,200	---	1,210	---	1,160	---	1,070	1,250	---
Mean	---	---	1,190	1,200	1,200	1,220	1,200	1,170	1,150	1,060	1,280	1,220
Max	---	---	1,200	1,200	1,220	1,220	1,210	1,190	1,160	1,120	1,350	1,260
Min	---	---	1,180	1,190	1,200	1,210	1,190	1,140	1,120	1,020	1,060	1,200