



Water-Data Report 2007

06847950 KEITH SEBELIUS LAKE NEAR NORTON, KS

Republican Basin
Prairie Dog Subbasin

LOCATION.--Lat 39°48'29", long 99°56'03" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.8, T.3 S., R.23 W., Norton County, KS, Hydrologic Unit 10250015, in control tower near left end of Norton Dam on Prairie Dog Creek, 3.0 mi southwest of Norton, and at mile 74.9.

DRAINAGE AREA.--683 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1964 to February 2007 (discontinued). Prior to Dec. 28, 1980, published as "Norton Reservoir near Norton."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Jan. 28, 1964. Total capacity, 192,027 acre-ft, consisting of the following: Dead pool, 1,636 acre-ft, below elevation 2,275.0 ft; inactive pool, 2,357 acre-ft, between elevations 2,275.0 ft and 2,280.4 ft; conservation pool, 30,520 acre-ft, between elevations 2,280.4 ft and 2,304.3 ft; flood-control pool, 99,230 acre-ft, between elevations 2,304.3 ft and 2,331.4 ft; and surcharge pool, 58,290 acre-ft, between elevations 2,331.4 ft and 2,341.0 ft. Reservoir is used for flood control and irrigation in Almena Unit, Missouri River Basin project. Figures given herein represent total contents based on capacity table dated September 2000. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2,306.58 ft, Feb. 25, 1997, contents, 41,160 acre-ft; minimum elevation since conservation pool was first filled, 2,275.82 ft, Nov. 27, 28, 1981, Jan. 24, 30, 31, 1982 contents, 3,050 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,289.35 ft, Feb. 28, contents, 10,970 acre-ft; minimum elevation 2,285.58 ft, Oct. 8, contents, 7,600 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on field survey of Bureau of Reclamation in 2000)
(Effective date October 1, 2001)

Elevation	Contents	Elevation	Contents	Elevation	Contents
2,285	7,150	2,290	11,640		

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LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,285.71	2,285.70	2,285.64	2,286.20	2,286.45	---	---	---	---	---	---	---
2	2,285.71	2,285.69	2,285.63	2,286.21	2,286.46	---	---	---	---	---	---	---
3	2,285.68	2,285.69	2,285.64	2,286.22	2,286.46	---	---	---	---	---	---	---
4	2,285.67	2,285.69	2,285.64	2,286.23	2,286.46	---	---	---	---	---	---	---
5	2,285.66	2,285.68	2,285.64	2,286.24	2,286.46	---	---	---	---	---	---	---
6	2,285.65	2,285.68	2,285.61	2,286.25	2,286.47	---	---	---	---	---	---	---
7	2,285.64	2,285.69	2,285.64	2,286.26	2,286.47	---	---	---	---	---	---	---
8	2,285.62	2,285.67	2,285.64	2,286.25	2,286.47	---	---	---	---	---	---	---
9	2,285.69	2,285.66	2,285.65	2,286.26	2,286.48	---	---	---	---	---	---	---
10	2,285.77	2,285.66	2,285.65	2,286.28	2,286.49	---	---	---	---	---	---	---
11	2,285.76	2,285.66	2,285.66	2,286.28	2,286.50	---	---	---	---	---	---	---
12	2,285.74	2,285.66	2,285.67	2,286.28	2,286.54	---	---	---	---	---	---	---
13	2,285.74	2,285.65	2,285.68	2,286.29	2,286.54	---	---	---	---	---	---	---
14	2,285.72	2,285.65	2,285.67	2,286.31	2,286.55	---	---	---	---	---	---	---
15	2,285.74	2,285.66	2,285.68	2,286.31	2,286.56	---	---	---	---	---	---	---
16	2,285.74	2,285.66	2,285.69	2,286.31	2,286.57	---	---	---	---	---	---	---
17	2,285.74	2,285.65	2,285.68	2,286.32	2,286.59	---	---	---	---	---	---	---
18	2,285.74	2,285.65	2,285.69	2,286.32	2,286.64	---	---	---	---	---	---	---
19	2,285.74	2,285.65	2,285.71	2,286.33	2,286.91	---	---	---	---	---	---	---
20	2,285.74	2,285.64	2,285.82	2,286.38	2,287.32	---	---	---	---	---	---	---
21	2,285.71	2,285.65	2,285.88	2,286.39	2,287.78	---	---	---	---	---	---	---
22	2,285.71	2,285.65	2,285.88	2,286.40	2,288.23	---	---	---	---	---	---	---
23	2,285.70	2,285.66	2,285.89	2,286.40	2,288.55	---	---	---	---	---	---	---
24	2,285.70	2,285.65	2,285.90	2,286.41	2,289.06	---	---	---	---	---	---	---
25	2,285.69	2,285.65	2,285.90	2,286.41	2,289.21	---	---	---	---	---	---	---
26	2,285.73	2,285.64	2,285.91	2,286.42	2,289.28	---	---	---	---	---	---	---
27	2,285.73	2,285.65	2,285.92	2,286.42	2,289.30	---	---	---	---	---	---	---
28	2,285.73	2,285.65	2,285.92	2,286.43	2,289.35	---	---	---	---	---	---	---
29	2,285.72	2,285.64	2,286.08	2,286.44	---	---	---	---	---	---	---	---
30	2,285.71	2,285.64	2,286.17	2,286.44	---	---	---	---	---	---	---	---
31	2,285.70	---	2,286.19	2,286.45	---	---	---	---	---	---	---	---
Mean	2,285.71	2,285.66	2,285.77	2,286.33	2,287.22	---	---	---	---	---	---	---
Max	2,285.77	2,285.70	2,286.19	2,286.45	2,289.35	---	---	---	---	---	---	---
Min	2,285.62	2,285.64	2,285.61	2,286.20	2,286.45	---	---	---	---	---	---	---
Contents, in acre-feet, at end of month.												
	7,700	7,650	8,090	8,310	10,970	---	---	---	---	---	---	---
Change in contents, in acre-feet.												
	-10	-50	+440	+220	+2,660	---	---	---	---	---	---	---
CAL YR 2006 Change in contents, in acre-feet...-220												

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