

Water-Data Report 2011

**05595240 KASKASKIA RIVER NEAR RED BUD, IL**

Kaskaskia Basin  
Lower Kaskaskia Subbasin

LOCATION.--Lat 38°11'39", long 89°53'17" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.9, T.4 S., R.7 W., Randolph County, IL, Hydrologic Unit 07140204, at river-intake pump house of Baldwin Power Station, near the southwest corner of Baldwin Lake, about 2.5 mi northwest of Baldwin, about 6 mi southeast of Red Bud and at mile I9.3.

DRAINAGE AREA.--5,505 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

STAGE: Oct. 1994 to current year. Gage height record for Nov. 1959 to Sept. 30, 1994 available from U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder, U.S. Army Corps of Engineers satellite telemeter, and crest-stage gage. Datum of gage is 300.00 ft above NGVD of 1929 (Levels by U.S. Army Corps of Engineers) (299.49 ft NAVD 1988).

REMARKS.--Stages regulated by operation of lock and dam 19 miles downstream at Roots and by Carlyle Dam about 75 miles upstream.

EXTREMES FOR PERIOD OF RECORD.--

STAGE: Maximum gage height, 91.90 ft, May 22, 1995; minimum recorded, 67.36 ft, Mar. 5 and Apr. 7, 1996.

EXTREMES OUTSIDE PERIOD OF RECORD.--

STAGE: Maximum gage height, 94.36 ft, Aug. 6, 1993; minimum 50.8 ft, Oct. 16, 1964, from information by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 88.88 ft, Apr. 29; minimum, 68.51 ft, Sept. 5.

## 05595240 KASKASKIA RIVER NEAR RED BUD, IL—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70.64	68.66	70.10	69.39	68.60	74.75	70.00	88.28	80.73	80.71	72.56	68.73
2	69.33	68.66	69.99	69.52	68.64	75.54	70.02	87.77	80.18	81.15	72.81	68.74
3	68.64	68.65	69.81	69.44	68.67	76.34	70.28	86.65	79.66	81.47	73.07	68.66
4	68.65	68.63	69.60	69.29	68.69	76.20	70.23	85.01	79.31	82.42	73.52	68.69
5	68.69	68.60	69.23	69.12	68.70	76.12	70.38	83.15	79.19	82.14	73.65	68.64
6	68.69	68.64	69.06	69.03	68.71	76.55	70.48	81.34	79.31	81.22	73.44	68.64
7	68.68	68.71	68.95	68.96	68.64	76.44	70.35	79.83	79.58	80.27	72.78	68.70
8	68.65	68.69	68.93	68.85	68.65	76.11	70.04	78.69	79.70	80.27	71.97	68.73
9	68.73	68.75	68.92	68.84	68.65	75.97	69.73	77.83	79.49	79.86	71.20	68.75
10	68.84	68.69	68.88	68.79	68.69	75.81	69.74	77.19	79.04	78.88	70.53	68.73
11	68.92	68.73	68.88	68.78	68.70	75.63	69.88	76.62	78.54	78.04	70.11	68.66
12	68.73	68.71	68.98	68.79	68.67	75.33	70.46	76.05	78.10	77.28	69.68	68.73
13	68.69	68.74	69.06	68.74	68.73	74.89	70.94	75.79	77.70	76.75	69.57	68.77
14	68.66	68.71	68.94	68.81	68.81	75.05	71.00	75.76	77.46	76.25	69.49	68.75
15	68.67	68.75	69.08	68.75	68.90	75.79	70.67	75.77	77.63	75.84	69.17	68.71
16	68.65	68.69	69.02	68.68	69.00	75.35	70.40	76.08	77.86	75.35	68.98	68.77
17	68.68	68.74	68.97	68.70	69.26	74.92	70.41	76.14	78.31	74.78	68.98	68.74
18	68.65	68.68	69.02	68.67	69.43	74.34	71.01	75.89	79.56	74.17	68.99	68.78
19	68.66	68.74	69.01	68.67	69.62	73.04	71.93	75.54	81.22	73.38	69.02	68.72
20	68.65	68.72	68.99	68.65	70.13	71.66	73.07	75.16	82.01	72.60	69.02	68.73
21	68.66	68.77	68.96	68.67	71.29	70.67	74.21	74.96	81.94	71.86	69.03	68.77
22	68.66	68.80	68.93	68.69	72.11	69.91	75.39	75.42	82.22	71.25	69.02	68.77
23	68.72	68.67	68.92	68.66	72.63	69.38	77.55	76.14	81.94	70.86	68.95	68.72
24	68.73	68.75	68.93	68.70	72.70	69.05	80.18	76.87	81.75	70.87	69.02	68.71
25	68.67	69.46	68.92	68.69	73.88	69.00	81.94	77.00	81.37	70.93	68.99	68.72
26	68.69	69.80	68.89	68.63	74.03	69.24	84.03	77.25	81.74	70.95	68.98	68.69
27	68.72	69.66	68.90	68.63	74.12	69.51	85.83	77.72	81.99	71.37	68.92	68.71
28	68.64	69.69	68.92	68.63	74.39	69.86	87.98	78.78	81.19	71.93	68.84	68.72
29	68.67	69.86	68.92	68.65	---	70.15	88.81	80.02	80.44	72.24	68.81	68.67
30	68.69	70.17	68.99	68.62	---	70.26	88.72	80.76	80.32	72.49	68.74	68.67
31	68.64	---	69.01	68.63	---	70.18	---	81.00	---	72.61	68.72	---
<b>Mean</b>	68.77	68.92	69.09	68.83	70.11	73.32	74.52	78.72	79.98	75.81	70.21	68.72
<b>Max</b>	70.64	70.17	70.10	69.52	74.39	76.55	88.81	88.28	82.22	82.42	73.65	68.78
<b>Min</b>	68.64	68.60	68.88	68.62	68.60	69.00	69.73	74.96	77.46	70.86	68.72	68.64

	Calendar Year 2010	Water Year 2011
<b>Mean</b>	72.58	72.26
<b>Max</b>	82.08	88.81
<b>Min</b>	68.59	68.60

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