

Water-Data Report 2006

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 the river-intake pumphouse of Baldwin Power Station, near southwest corner of Baldwin Lake, about 2.5 mi northwest of Baldwin, about 6 mi southeast of Red Bud and at mi 19.3.

DRAINAGE AREA.--5,505 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

STAGE: Oct. 1994 to current year. Records of gage height for Nov. 1959 to Sept. 30, 1994, available in files of 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).

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, 73.65 ft, Mar. 13; minimum, 68.49 ft, Aug. 5.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 68.73 | 69.09 | 69.21 | 68.91 | 69.08 | 68.83 | 69.73 | 68.85 | 68.72 | 68.77 | 68.72 | 68.76 |
| 2 | 68.78 | 68.85 | 68.92 | 68.91 | 68.94 | 68.75 | 69.67 | 69.29 | 68.78 | 68.71 | 68.74 | 68.71 |
| 3 | 68.76 | 68.88 | 68.80 | 68.87 | 68.93 | 68.74 | 69.65 | 69.14 | 68.79 | 68.74 | 68.73 | 68.73 |
| 4 | 68.74 | 68.83 | 68.77 | 68.89 | 68.91 | 68.79 | 69.67 | 69.16 | 68.81 | 68.71 | 68.64 | 68.73 |
| 5 | 68.73 | 68.84 | 68.76 | 68.85 | 68.92 | 68.81 | 69.67 | 69.00 | 68.84 | 68.68 | 68.60 | 68.76 |
| 6 | 68.69 | 68.83 | 68.81 | 68.86 | 68.89 | 68.75 | 69.58 | 68.80 | 68.87 | 68.72 | 68.58 | 68.80 |
| 7 | 68.63 | 68.78 | 68.79 | 68.90 | 68.87 | 68.81 | 69.67 | 68.82 | 68.76 | 68.74 | 68.63 | 68.78 |
| 8 | 68.66 | 68.79 | 68.82 | 68.93 | 68.85 | 68.86 | 69.97 | 68.81 | 68.74 | 68.72 | 68.71 | 68.77 |
| 9 | 68.70 | 68.79 | 68.76 | 68.82 | 68.86 | 69.31 | 69.96 | 68.79 | 68.75 | 68.69 | 68.81 | 68.69 |
| 10 | 68.71 | 68.77 | 68.79 | 68.80 | 68.82 | 70.43 | 69.69 | 69.00 | 68.77 | 68.74 | 68.79 | 68.60 |
| 11 | 68.74 | 68.81 | 68.84 | 68.89 | 68.81 | 70.27 | 69.61 | 69.90 | 68.76 | 68.73 | 68.79 | 68.64 |
| 12 | 68.77 | 68.84 | 68.80 | 68.96 | 68.83 | 72.27 | 69.46 | 69.25 | 68.75 | 68.75 | 68.77 | 68.68 |
| 13 | 68.80 | 68.79 | 68.83 | 68.89 | 68.84 | 73.44 | 69.30 | 69.01 | 68.78 | 68.68 | 68.76 | 68.73 |
| 14 | 68.81 | 68.79 | 68.81 | 68.87 | 68.80 | 72.47 | 69.29 | 69.02 | 68.79 | 68.67 | 68.82 | 68.72 |
| 15 | 68.77 | 69.29 | 68.84 | 68.90 | 68.82 | 71.35 | 69.23 | 68.93 | 68.78 | 68.63 | 68.75 | 68.71 |
| 16 | 68.73 | 69.43 | 68.87 | 68.86 | 68.87 | 70.62 | 69.25 | 68.94 | 68.76 | 68.69 | 68.79 | 68.76 |
| 17 | 68.72 | 69.06 | 68.87 | 68.83 | 68.81 | 69.62 | 69.16 | 68.89 | 68.77 | 68.70 | 68.77 | 68.71 |
| 18 | 68.76 | 68.92 | 68.83 | 68.93 | 68.76 | 69.38 | 69.16 | 68.86 | 68.74 | 68.72 | 68.82 | 68.72 |
| 19 | 68.75 | 68.88 | 68.88 | 69.03 | 68.84 | 69.31 | 69.14 | 68.90 | 68.73 | 68.66 | 68.80 | 68.69 |
| 20 | 68.69 | 68.80 | 68.93 | 68.96 | 68.84 | 69.44 | 69.12 | 68.79 | 68.73 | 68.71 | 68.77 | 68.73 |
| 21 | 68.74 | 68.82 | 68.93 | 68.86 | 68.84 | 69.75 | 69.11 | 68.80 | 68.78 | 68.71 | 68.79 | 68.73 |
| 22 | 68.77 | 68.78 | 68.95 | 68.83 | 68.83 | 69.89 | 69.06 | 68.74 | 68.76 | 68.68 | 68.78 | 68.72 |
| 23 | 68.79 | 68.80 | 68.99 | 68.79 | 68.81 | 69.81 | 69.03 | 68.76 | 68.75 | 68.72 | 68.80 | 68.79 |
| 24 | 68.74 | 68.77 | 68.91 | 68.84 | 68.81 | 69.79 | 68.97 | 68.79 | 68.73 | 68.75 | 68.77 | 68.73 |
| 25 | 68.69 | 68.83 | 68.86 | 68.80 | 68.74 | 69.78 | 68.98 | 68.80 | 68.71 | 68.76 | 68.72 | 68.74 |
| 26 | 68.71 | 68.85 | 68.88 | 68.84 | 68.80 | 69.71 | 68.94 | 68.80 | 68.79 | 68.73 | 68.76 | 68.75 |
| 27 | 68.71 | 68.82 | 68.91 | 68.86 | 68.85 | 69.67 | 68.92 | 68.92 | 68.82 | 68.78 | 68.81 | 68.71 |
| 28 | 68.71 | 69.66 | 68.90 | 68.89 | 68.78 | 69.59 | 68.88 | 68.89 | 68.74 | 68.69 | 68.80 | 68.72 |
| 29 | 68.70 | 69.72 | 68.89 | 68.99 | --- | 69.48 | 68.88 | 68.82 | 68.74 | 68.67 | 68.73 | 68.75 |
| 30 | 68.70 | 69.38 | 68.92 | 69.08 | --- | 69.45 | 68.86 | 68.77 | 68.73 | 68.67 | 68.80 | 68.74 |
| 31 | 68.79 | --- | 68.88 | 69.11 | --- | 69.61 | --- | 68.77 | --- | 68.71 | 68.81 | --- |
| Mean | 68.73 | 68.95 | 68.87 | 68.90 | 68.85 | 69.83 | 69.32 | 68.94 | 68.77 | 68.71 | 68.75 | 68.73 |
| Max | 68.81 | 69.72 | 69.21 | 69.11 | 69.08 | 73.44 | 69.97 | 69.90 | 68.87 | 68.78 | 68.82 | 68.80 |
| Min | 68.63 | 68.77 | 68.76 | 68.79 | 68.74 | 68.74 | 68.86 | 68.74 | 68.71 | 68.63 | 68.58 | 68.60 |

| Water Year 2006 | |
|-----------------|-------|
| Mean | 68.95 |
| Max | 73.44 |
| Min | 68.58 |

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