



Water-Data Report 2006

09403600 KANAB CREEK NEAR KANAB, UT

Lower Colorado-Lake Mead Basin
Kanab Subbasin

LOCATION.--Lat 37°06'02", long 112°32'50" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.5, T.43 S., R.6 W., Kane County, UT, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--194 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year.

REVISED RECORDS.--WDR UT-98-1: 1997, daily values.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above NGVD of 1929, from topographic map. Crest-stage gage only July 22, 1959 to September 30, 1968 at different datum. July 6, 1979 to September 18, 1984 water-stage recorder at same site, different datum.

REMARKS.--Records poor. Several diversions upstream of station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s, Sep 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft³/s on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 2.9 ft³/s, Jul 27, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 18	1900	*132	*10.19

Minimum daily discharge, 3.0 ft³/s, Aug 11.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.1	7.7	7.4	6.9	8.6	20	22	6.6	3.9	4.4	4.3	4.3
2	4.7	7.1	7.2	5.8	7.0	8.8	20	7.1	3.6	4.5	4.0	4.4
3	4.9	6.7	6.9	7.2	7.6	7.2	21	8.1	3.4	4.4	3.9	4.5
4	5.6	6.3	6.1	5.3	6.0	7.4	20	6.9	3.4	4.2	3.8	4.2
5	6.1	7.1	5.4	5.5	e6.0	7.9	26	7.4	3.8	4.6	3.9	4.4
6	5.9	8.1	e5.2	6.0	e6.0	8.9	21	8.5	3.7	4.7	3.7	4.7
7	5.5	8.1	e5.0	6.4	e6.0	9.5	17	7.2	3.6	4.6	3.4	4.7
8	6.7	7.3	e5.0	6.7	6.5	12	18	6.4	4.4	4.8	3.5	4.4
9	6.6	7.2	e5.0	6.5	6.0	12	16	6.3	3.8	4.3	3.3	4.0
10	7.3	6.5	e5.2	7.5	5.4	12	15	6.3	3.5	4.2	3.3	4.3
11	7.0	6.9	e5.4	9.1	6.2	12	15	5.5	3.6	4.4	3.0	4.3
12	6.5	7.2	e5.6	8.5	6.1	13	14	5.6	3.9	3.8	3.1	4.7
13	6.3	7.1	e5.7	8.7	6.1	13	14	5.7	4.2	3.6	3.6	5.1
14	6.0	7.1	e5.5	8.9	5.3	14	13	5.4	3.9	3.6	4.0	4.9
15	6.1	6.6	e5.2	11	4.7	15	11	4.7	4.7	3.7	4.6	4.3
16	6.2	6.5	e5.2	8.3	5.0	14	10	4.4	5.1	3.6	4.4	4.4
17	7.2	8.0	e5.6	8.7	5.2	15	9.8	4.1	4.8	3.8	4.1	4.4
18	26	7.4	5.7	8.4	6.2	13	10	3.7	4.7	3.5	4.0	4.9
19	17	7.6	5.1	9.3	6.0	15	11	3.5	4.5	4.1	3.9	5.3
20	7.7	7.8	5.3	8.0	6.4	15	10	3.4	4.2	4.9	4.2	5.7
21	6.8	7.2	5.5	8.9	6.0	16	11	3.8	5.0	4.4	4.5	5.7
22	6.7	6.8	6.4	9.2	5.8	14	11	4.0	4.6	3.4	4.4	6.1
23	6.5	6.4	7.7	9.0	5.4	15	9.9	3.7	4.5	3.5	4.6	5.6
24	6.3	7.7	8.9	10	5.3	17	10	3.9	4.2	3.4	4.1	5.4
25	6.4	8.4	9.8	10	5.3	16	9.8	3.9	4.4	3.6	4.1	6.0
26	5.9	8.1	9.8	10	5.1	19	9.4	3.9	3.2	3.7	4.2	6.0
27	5.7	7.0	9.5	13	5.2	15	9.4	3.7	3.6	3.6	4.2	5.8
28	16	e7.0	9.6	11	5.8	18	10	4.1	3.6	4.2	4.1	5.7
29	19	7.2	9.2	10	---	63	9.8	4.2	3.8	4.1	4.1	5.9
30	9.1	6.7	8.2	10	---	34	9.1	4.2	3.8	4.3	3.9	5.9
31	7.9	---	6.9	9.0	---	17	---	4.2	---	5.3	3.9	---
Total	250.7	216.8	204.2	262.8	166.2	488.7	413.2	160.4	121.4	127.2	122.1	150.0
Mean	8.09	7.23	6.59	8.48	5.94	15.8	13.8	5.17	4.05	4.10	3.94	5.00
Max	26	8.4	9.8	13	8.6	63	26	8.5	5.1	5.3	4.6	6.1
Min	4.7	6.3	5.0	5.3	4.7	7.2	9.1	3.4	3.2	3.4	3.0	4.0
Ac-ft	497	430	405	521	330	969	820	318	241	252	242	298

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.99	9.67	10.3	12.9	15.3	24.0	21.9	9.84	6.79	6.79	7.98	9.30
Max	25.7	15.2	21.7	40.2	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
(WY)	(1982)	(1988)	(1980)	(2005)	(1980)	(1983)	(1980)	(1980)	(1981)	(1981)	(1981)	(1998)
Min	3.57	5.33	5.31	5.15	5.64	8.83	6.81	5.17	4.05	3.90	3.94	4.77
(WY)	(2004)	(2002)	(1990)	(2002)	(2002)	(2002)	(1990)	(2006)	(2006)	(2000)	(2006)	(2002)

SUMMARY STATISTICS

	Calendar Year 2005	Water Year 2006	Water Years 1980 - 2006		
Annual total	6,782.3	2,683.7			
Annual mean	18.6	7.35	12.0		
Highest annual mean			28.4		
Lowest annual mean			5.96		
Highest daily mean	320	Jan 11	Mar 29	354	Apr 6, 1980
Lowest daily mean	3.3	Jul 26	Aug 11	2.9	Jul 27, 2000
Annual seven-day minimum	3.5	Jul 21	3.3 Aug 7	3.0	Jun 13, 1986
Annual runoff (ac-ft)	13,450	5,320	8,720		
10 percent exceeds	45	13	19		
50 percent exceeds	7.7	6.0	8.5		
90 percent exceeds	5.1	3.8	5.0		

