

Water-Data Report 2006

**09381800 PARIA RIVER NEAR KANAB, UT**

Upper Colorado-Dirty Devil Basin  
Paria Subbasin

LOCATION.--Lat 37°06'27", long 111°54'19" referenced to North American Datum of 1927, in NE ¼ NE ¼ NE ¼ sec.4, T.42 S., R.1 W., Kane County, UT, Hydrologic Unit 14070007, on downstream side of U.S. Highway 89 bridge pier, 7.4 miles north of Utah-Arizona border, 31.0 miles northwest of Page, AZ, and 44.0 miles east of Kanab.

DRAINAGE AREA.--647 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Annual maximums, water years 1959-74. August 2002 to January 2006, August 2, 2006 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,345 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,400 ft<sup>3</sup>/s, Aug 31, 1963, gage height, 16.26 ft; minimum daily discharge, no flow for many days in some years.

EXTREMES FOR CURRENT YEAR.—Maximum recorded discharge, 939 ft<sup>3</sup>/s, Oct 28, gage height, 9.53 ft; minimum recorded daily discharge, 0.08 ft<sup>3</sup>/s Nov 28.

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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	5.2	15	e1.3	e6.6	---	---	---	---	---	---	---	3.2
2	5.1	14	e0.87	e6.1	---	---	---	---	---	---	e4.0	3.7
3	5.2	11	e1.8	e7.0	---	---	---	---	---	---	e4.0	4.7
4	2.4	9.7	e0.28	e5.8	---	---	---	---	---	---	3.9	9.8
5	0.73	8.3	e1.7	e5.2	---	---	---	---	---	---	8.7	6.8
6	0.87	8.3	e1.4	e4.9	---	---	---	---	---	---	7.7	5.4
7	1.1	8.0	e2.5	e6.5	---	---	---	---	---	---	9.5	4.9
8	1.3	7.0	e8.0	e6.0	---	---	---	---	---	---	e8.0	6.6
9	1.6	6.4	e6.5	e5.8	---	---	---	---	---	---	5.6	6.8
10	1.9	6.2	e8.0	e4.7	---	---	---	---	---	---	6.4	5.2
11	2.3	5.9	e10	e4.7	---	---	---	---	---	---	12	5.8
12	2.7	6.0	e10	e5.2	---	---	---	---	---	---	9.5	5.1
13	3.1	5.3	e8.0	e4.9	---	---	---	---	---	---	21	4.0
14	3.6	4.7	e7.0	e5.9	---	---	---	---	---	---	12	9.9
15	4.1	3.5	e5.8	e6.1	---	---	---	---	---	---	12	31
16	5.9	3.3	e8.0	e5.0	---	---	---	---	---	---	11	13
17	9.4	3.1	e7.0	e5.1	---	---	---	---	---	---	9.0	8.6
18	87	2.9	e8.0	e11	---	---	---	---	---	---	7.0	7.7
19	220	2.5	e9.0	e6.0	---	---	---	---	---	---	6.4	8.2
20	30	2.4	e10	e4.6	---	---	---	---	---	---	4.8	7.0
21	8.8	2.2	e9.4	e3.6	---	---	---	---	---	---	4.9	7.4
22	5.3	2.1	e7.1	e4.0	---	---	---	---	---	---	4.1	8.1
23	4.9	1.8	e6.4	e4.4	---	---	---	---	---	---	14	6.8
24	4.4	1.5	e6.2	e4.5	---	---	---	---	---	---	15	7.1
25	3.8	1.3	e6.0	e3.7	---	---	---	---	---	---	25	7.0
26	3.3	1.0	e6.1	e4.1	---	---	---	---	---	---	8.5	7.6
27	3.0	0.57	e5.7	e4.4	---	---	---	---	---	---	5.5	7.4
28	112	e0.08	e5.6	e4.5	---	---	---	---	---	---	3.7	7.4
29	216	e0.56	e5.8	e4.6	---	---	---	---	---	---	2.5	7.3
30	31	e1.4	e5.6	e5.2	---	---	---	---	---	---	2.3	6.6
31	17	---	e6.2	e5.4	---	---	---	---	---	---	2.1	---
<b>Total</b>	803.00	146.01	185.25	165.5	---	---	---	---	---	---	---	230.1
<b>Mean</b>	25.9	4.87	5.98	5.34	---	---	---	---	---	---	---	7.67
<b>Max</b>	220	15	10	11	---	---	---	---	---	---	---	31
<b>Min</b>	0.73	0.08	0.28	3.6	---	---	---	---	---	---	---	3.2
<b>Ac-ft</b>	1,590	290	367	328	---	---	---	---	---	---	---	456

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2006, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	25.5	23.9	15.3	33.9	31.0	33.0	24.7	15.3	7.24	5.30	27.6	11.0
<b>Max</b>	49.7	67.6	35.7	107	49.2	57.5	48.6	40.4	19.6	10.3	31.5	21.2
<b>(WY)</b>	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2003)	(2004)
<b>Min</b>	11.5	4.87	5.98	5.34	17.9	13.8	7.04	2.65	0.13	1.36	24.9	2.20
<b>(WY)</b>	(2004)	(2006)	(2006)	(2006)	(2003)	(2003)	(2003)	(2004)	(2004)	(2005)	(2004)	(2005)

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**SUMMARY STATISTICS**

	Calendar Year 2005		Water Years 2002 - 2006	
<b>Annual total</b>	11,836.20			
<b>Annual mean</b>	32.4		22.6	
<b>Highest annual mean</b>			42.1	2005
<b>Lowest annual mean</b>			10.9	2003
<b>Highest daily mean</b>	1,080	Jan 11	1,080	Jan 11, 2005
<b>Lowest daily mean</b>	0.08	Nov 28	0.00	Aug 7, 2002
<b>Annual seven-day minimum</b>	0.60	Jul 1	0.00	Aug 7, 2002
<b>Annual runoff (ac-ft)</b>	23,480		16,370	
<b>10 percent exceeds</b>	60		51	
<b>50 percent exceeds</b>	17		10	
<b>90 percent exceeds</b>	0.98		0.29	

