



Water-Data Report UT-2005

09314500 PRICE RIVER AT WOODSIDE, UT

Green River Basin

LOCATION.--Lat 39°15'50", long 110°20'45" referenced to North American Datum of 1927, in SW ¼ SE ¼ SE ¼ sec.9, T.18 S., R.14 E., Emery County, Hydrologic Unit 14060007, on left downstream wingwall of old highway bridge, 200 ft downstream from railroad bridge at Woodside, and 16.3 mi upstream from mouth.

DRAINAGE AREA.—1,540 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to September 1992, and July 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above NGVD of 1929, by barometer. September 1909 to August 1911, reference point at site about 100 ft upstream at different datum. November 27, 1945 to October 16, 1954, water-stage recorder at site 15 ft downstream at datum 1.85 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 18,000 acres. Flow affected by storage in Scofield Reservoir, usable capacity, 65,780 acre-ft, since 1926 (see station 09311000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s, Sep 7, 1991, gage height, 13.49 ft, from rating curve extended above 6,840 ft³/s; no flow at times in some years.

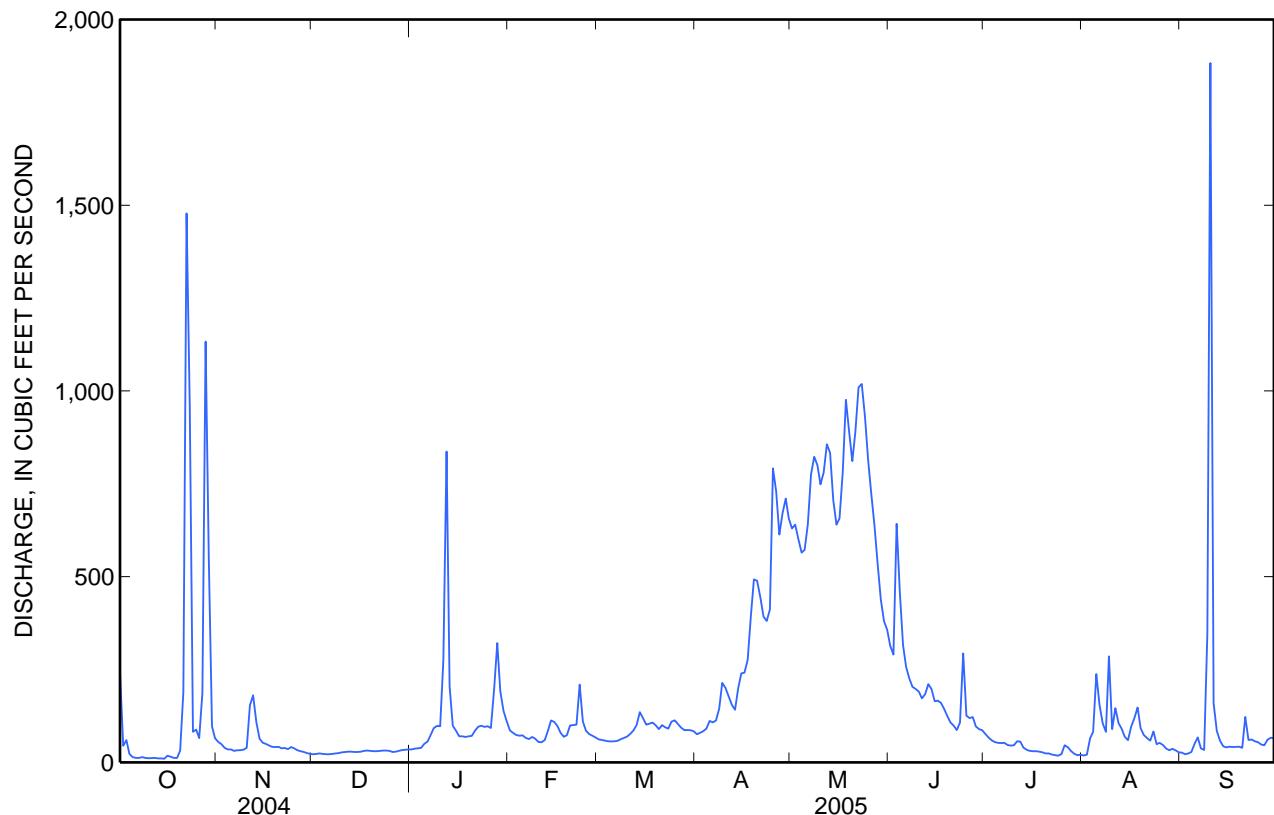
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sep 10	0630	*4,000	*12.80

Minimum daily discharge, 10 ft³/s, Oct 15.

09314500 PRICE RIVER AT WOODSIDE, UT—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1947-92, 2000-05	
Annual total	15,890.15	62,754		
Annual mean	43.4	172	116	
Highest annual mean			479	1983
Lowest annual mean			25.9	1990
Highest daily mean	1,480	Oct 22	1,880	Sep 7, 1991
Lowest daily mean	0.00	Jul 12	10	0.00
Annual seven-day minimum	0.21	Jul 10	11	Oct 9
Annual runoff (ac-ft)	31,520		124,500	83,780
10 percent exceeds	60		606	231
50 percent exceeds	24		73	50
90 percent exceeds	2.4		24	16



09314500 PRICE RIVER AT WOODSIDE, UT—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--December 1946 TO September 1949, February 1951 to September 1988, November 1991 to June 1993, March 1995 to September 1997, and November 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1951 to September 30, 1978, September 1 to 30, 2005.

WATER TEMPERATURE: February 1951 to September 1959, November 1961 to September 1963, October 1964 to September 30, 1978, November 2000 to current year.

INSTRUMENTATION.--Water temperature probe until August 31, 2005; then installed a combined water temperature and specific conductance probe.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemens/cm, Dec 11, 1951; minimum daily, 814 microsiemens/cm, Jun 1, 1952.

WATER TEMPERATURE: Maximum, 36.3°C, Jul 22, 2003; minimum, -0.9°C, Feb 2,3,5,6, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,970 microsiemens/cm, Sep 4; minimum, 1,750 microsiemens/cm, Sep 7, 8 (collected in Sep only).

WATER TEMPERATURE: Maximum, 31.3°C, Jul 16; minimum, -0.4°C, Dec 19-25.

Date	Time	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	water, unfltrd field, std units (00400)	pH,	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
Jun 29...	1100	4.34	90	8.3	1,970	30.0	17.7	1,530	
Aug 17...	1030	4.01	76	8.0	2,120	25.0	20.0	1,690	
Sep 19...	1120	3.74	41	8.3	2,300	26.0	14.3	1,860	

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	June	July	August	September
1	---	---	---	2,860 2,280 2,550
2	---	---	---	2,480 2,220 2,330
3	---	---	---	2,920 2,460 2,590
4	---	---	---	2,970 2,330 2,550
5	---	---	---	---
6	---	---	---	---
7	---	---	---	2,110 1,750 1,960
8	---	---	---	1,810 1,750 1,780
9	---	---	---	---
10	---	---	---	2,120 --- ---
11	---	---	---	---
12	---	---	---	---
13	---	---	---	---
14	---	---	---	---
15	---	---	---	2,160 1,800 1,990
16	---	---	---	2,450 2,160 2,330
17	---	---	---	2,470 2,380 2,420
18	---	---	---	2,440 2,210 2,300
19	---	---	---	2,390 2,200 2,300
20	---	---	---	2,330 2,240 2,270
21	---	---	---	---
22	---	---	---	2,490 2,110 2,370
23	---	---	---	2,640 2,090 2,430
24	---	---	---	2,590 2,380 2,510
25	---	---	---	2,780 2,470 2,590
26	---	---	---	2,720 2,520 2,610
27	---	---	---	2,710 2,550 2,600
28	---	---	---	2,700 --- ---
29	---	---	---	2,870 2,560 2,640
30	---	---	---	2,830 2,590 2,680
31	---	---	---	---
Month	---	---	---	2,970 1,750 2,390

