09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ sec. 15, T. 21 S., R. 16 E., Emery County, Hydrologic Unit 14060008, on right bank 1,400 ft upstream from railroad bridge, .9 mi southeast of town of Green River, 22.7 mi upstream from San Rafael River, at mile 117.6 upstream from mouth.

DRAINAGE AREA.--44,850 mi^2 approximately, of which about 4,260 mi^2 (including 3,959 mi^2 in Great Divide Basin in southern Wyoming) is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to October 1899, March 1905 to current year. Published as "at Blake" 1894-99, as "near Elgin" 1911, and as "at Little Valley, near Green River" 1910-23.

REVISED RECORDS.--WSP 918: 1895-1899. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft above NGVD of 1929. Prior to November 6, 1914, staff, wire-weight, or chain gages at several sites within 7 mi of present site at various datums. November 6, 1914 to June 20, 1924, water-stage recorder at site 7 mi downstream at different datum. June 21 to September 18, 1924, chain gage, and September 19, 1924 to May 7, 1947, water-stage recorder at site 100 ft downstream at present datum. May 8, 1947 to September 7, 1994, water-stage recorder at site 900 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) since November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft^3/s, Jun 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 ft^3/s, Nov 26, 1931; minimum gage height, 4.08 ft, Aug 1, Dec 5, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 15	1030	*11,900	*9.34				

Minimum discharge, 761 ft^3/s, Nov. 29.

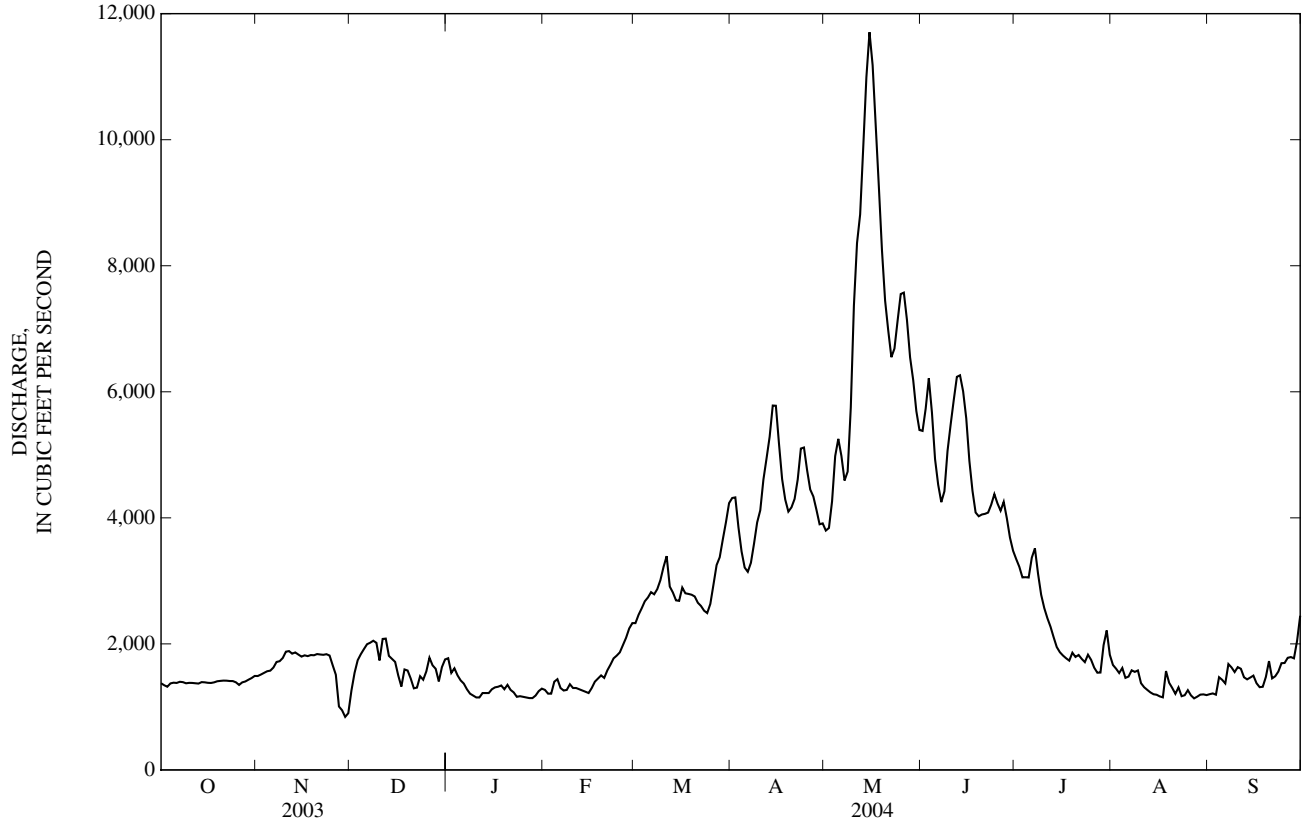
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,380	1,490	1,260	1,770	e1,270	2,330	4,310	3,800	5,380	3,350	1,670	1,200
2	1,340	1,510	1,540	1,540	e1,210	2,460	4,320	3,840	5,730	3,220	1,610	1,210
3	1,320	1,540	1,740	1,610	e1,210	2,560	3,850	4,260	6,210	3,050	1,540	1,190
4	1,370	1,570	1,840	e1,500	e1,400	2,680	3,470	4,980	5,670	3,060	1,620	1,470
5	1,380	1,580	1,920	e1,420	e1,440	2,740	3,210	5,250	4,930	3,050	1,460	1,430
6	1,380	1,620	1,990	e1,370	e1,300	2,820	3,140	4,980	4,530	3,370	1,480	1,370
7	1,400	1,710	2,020	e1,280	e1,260	2,790	3,290	4,590	4,250	3,520	1,580	1,680
8	1,390	1,730	2,050	e1,210	e1,270	2,870	3,590	4,730	4,420	3,110	1,560	1,630
9	1,370	1,780	2,020	e1,180	e1,360	3,010	3,930	5,750	5,060	2,780	1,580	1,550
10	1,380	1,880	1,740	e1,150	e1,300	3,220	4,120	7,370	5,480	2,570	1,380	1,630
11	1,380	1,890	2,080	e1,150	e1,300	3,390	4,610	8,360	5,870	2,410	1,310	1,600
12	1,370	1,840	2,080	e1,220	e1,280	2,910	4,940	8,820	6,240	2,270	1,270	1,470
13	1,370	1,860	1,810	e1,220	e1,260	2,810	5,290	9,890	6,260	2,110	1,230	1,440
14	1,390	1,830	1,760	e1,220	e1,240	2,690	5,780	11,000	6,010	1,950	1,200	1,470
15	1,390	1,800	1,710	e1,280	e1,220	2,680	5,780	11,700	5,580	1,870	1,190	1,500
16	1,380	1,820	1,500	e1,310	e1,300	2,890	5,170	11,200	4,910	1,810	1,170	1,380
17	1,380	1,810	1,320	e1,320	e1,400	2,800	4,610	10,200	4,430	1,770	1,150	1,310
18	1,390	1,820	1,590	e1,340	e1,450	2,790	4,290	9,250	4,080	1,730	1,570	1,320
19	1,410	1,820	1,580	e1,280	e1,500	2,780	4,100	8,240	4,020	1,860	1,380	1,480
20	1,410	1,840	1,450	e1,350	e1,460	2,750	4,170	7,450	4,050	1,790	1,300	1,730
21	1,420	1,830	1,290	e1,270	e1,580	2,650	4,300	6,970	4,060	1,820	1,210	1,450
22	1,420	1,830	1,310	e1,230	e1,670	2,600	4,610	6,550	4,080	1,760	1,310	1,490
23	1,410	1,840	1,490	e1,160	e1,770	2,530	5,100	6,690	4,210	1,710	1,170	1,560
24	1,410	1,820	1,430	e1,170	1,810	2,490	5,120	7,130	4,380	1,830	1,190	1,690
25	1,390	1,660	1,560	e1,160	1,870	2,630	4,760	7,550	4,230	1,750	1,270	1,700
26	1,350	1,510	1,780	e1,150	1,980	2,940	4,450	7,570	4,110	1,620	1,180	1,780
27	1,390	1,010	1,660	e1,140	2,100	3,250	4,340	7,140	4,250	1,540	1,140	1,790
28	1,400	947	1,600	e1,140	2,240	3,370	4,130	6,550	3,990	1,550	1,160	1,770
29	1,430	842	1,400	e1,180	2,330	3,660	3,900	6,180	3,690	1,980	1,190	2,050
30	1,460	901	1,630	e1,250	---	3,930	3,910	5,690	3,480	2,210	1,200	2,450
31	1,490	---	1,750	e1,290	---	4,230	---	5,390	---	1,830	1,190	---
TOTAL	43,150	48,930	51,900	39,860	43,780	90,250	130,590	219,070	143,590	70,250	41,460	46,790
MEAN	1,392	1,631	1,674	1,286	1,510	2,911	4,353	7,067	4,786	2,266	1,337	1,560
MAX	1,490	1,890	2,080	1,770	2,330	4,230	5,780	11,700	6,260	3,520	1,670	2,450
MIN	1,320	842	1,260	1,140	1,210	2,330	3,140	3,800	3,480	1,540	1,140	1,190
AC-FT	85,590	97,050	102,900	79,060	86,840	179,000	259,000	434,500	284,800	139,300	82,240	92,810

09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895-1899, 1905-2004, BY WATER YEAR (WY)												
MEAN	3,017	2,875	2,357	2,301	2,801	4,493	7,213	15,480	18,620	7,779	3,619	2,803
MAX	7,701	6,490	5,894	5,739	7,258	11,430	18,370	40,990	46,650	31,630	11,220	9,960
(WY)	(1983)	(1987)	(1987)	(1985)	(1962)	(1910)	(1962)	(1897)	(1921)	(1907)	(1907)	(1909)
MIN	718	935	801	1,000	1,050	1,617	2,591	4,212	2,128	645	712	603
(WY)	(1935)	(1935)	(1909)	(1897)	(1898)	(1963)	(1963)	(1990)	(1934)	(1934)	(1934)	(1934)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895-1899, 1905-2004	
ANNUAL TOTAL	1,228,400		969,620			
ANNUAL MEAN	3,365		2,649		6,121	
HIGHEST ANNUAL MEAN					12,280	1907
LOWEST ANNUAL MEAN					1,805	1934
HIGHEST DAILY MEAN	22,100	Jun 5	11,700	May 15	66,700	Jun 27, 1917
LOWEST DAILY MEAN	842	Nov 29	842	Nov 29	380	Dec 5, 1934
ANNUAL SEVEN-DAY MINIMUM	1,090	Aug 31	1,140	Nov 26	419	Jul 30, 1934
ANNUAL RUNOFF (AC-FT)	2,437,000		1,923,000		4,434,000	
10 PERCENT EXCEEDS	7,400		5,260		15,000	
50 PERCENT EXCEEDS	1,740		1,770		3,420	
90 PERCENT EXCEEDS	1,140		1,220		1,500	

e Estimated