

GREEN RIVER BASIN

09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in NW¹/₄NW¹/₄SE¹/₄ sec. 15. T. 2 N., R. 22 E., Daggett County, Hydrologic Unit 14040106, Ashley National Forest on right bank 0.5 mi downstream from Flaming Gorge Dam, 2 mi south of Dutch John, 4 mi northeast of Greendale, and 407 mi from mouth.

DRAINAGE AREA.--19,350 mi², approximately, including about 4,260 mi² which is probably noncontributing. This noncontributing area includes 3,959 mi² in Great Divide Basin in southern Wyoming.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft above sea level. Prior to September 2, 1959, water-stage recorder at site 2.2 mi upstream at different datum. September 3, 1959, to September 30, 1985, at datum 5.0 ft lower.

REMARKS.-- Records good. Flow completely regulated by Flaming Gorge Reservoir 0.5 mi upstream, beginning November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft³/s, Jun 12, 1957, gage height, 10.60 ft, site and datum then in use; maximum gage height, 14.51 ft, May 12, Jun 6, 1986, datum then in use; minimum, 2.3 ft³/s, Mar 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,530 ft³/s, May 18, 22, gage height, 11.72 ft; minimum daily discharge, 784 ft³/s, Jul 16, 19, 22, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	1030	e1020	971	964	1010	886	1170	1090	979	786	825
2	1010	1020	e1020	972	966	1010	1180	1170	1090	823	787	823
3	1010	1020	e1020	972	967	1010	1170	1170	857	800	788	824
4	1020	1020	e1020	972	968	1010	1170	1170	1090	786	786	823
5	1020	1020	e1020	971	960	1020	1170	1170	1090	791	785	822
6	1020	1020	e1020	972	958	1020	1180	943	1090	786	785	824
7	1020	1020	1060	968	959	1010	1170	1170	1090	787	802	825
8	1020	1020	1150	971	959	1010	930	1170	1100	787	820	826
9	1020	1020	1140	968	956	1010	1170	1150	1090	787	820	824
10	1020	1020	1110	967	957	1010	1170	1160	864	787	821	823
11	1020	1020	1140	1060	959	1010	1170	1430	1100	787	823	822
12	1020	1020	1140	968	958	1010	1170	2050	1100	788	822	822
13	1020	1020	1110	968	1020	1000	1170	2590	1100	787	821	824
14	1020	1020	985	968	952	1010	1180	3130	1100	786	823	825
15	1010	1020	987	974	953	1010	931	3680	1100	787	822	826
16	1010	1020	986	958	965	1010	1170	4320	1100	784	822	825
17	1020	1020	986	952	988	1010	1170	4480	859	785	822	1090
18	1030	1020	984	951	988	1010	1170	4400	1090	785	823	1190
19	1030	1020	971	950	989	1010	1170	3710	1090	784	822	847
20	1030	1020	969	950	990	1010	1170	3580	1090	785	822	819
21	1030	1020	980	947	989	1010	1180	4100	1090	785	823	820
22	1040	1020	980	947	994	1010	932	4490	1090	784	825	821
23	1030	1020	981	950	1010	1010	1300	4130	1090	785	824	821
24	1030	1020	981	950	993	1010	1460	3710	857	785	823	821
25	1020	e1020	981	951	993	1010	1170	3340	1090	786	822	821
26	1030	e1020	969	951	998	1010	1170	2990	1090	787	821	818
27	1030	e1020	968	951	1010	1010	1170	2640	1090	787	821	816
28	1030	e1020	969	952	1020	1010	1170	2270	1090	787	827	816
29	1030	e1020	966	e952	---	1010	929	1900	1090	786	822	817
30	1030	e1020	966	952	---	1010	1170	1440	1090	784	825	818
31	1030	---	969	951	---	1010	---	1140	---	785	825	---
TOTAL	31700	30610	31548	29857	27383	31320	34318	76963	31847	24612	25260	25318
MEAN	1023	1020	1018	963	978	1010	1144	2483	1062	794	815	844
MAX	1040	1030	1150	1060	1020	1020	1460	4490	1100	979	827	1190
MIN	1000	1020	966	947	952	1000	886	943	857	784	785	816
AC-FT	62880	60710	62580	59220	54310	62120	68070	152700	63170	48820	50100	50220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	1902	2061	2250	2172	2149	1830	1971	2524	2581	2343	2005	1874
MAX	3911	3655	3626	4145	4090	3818	4271	7146	8044	10130	5056	3729
(WY)	1983	1983	1973	1985	1984	1977	1997	1986	1999	1983	1983	1983
MIN	128	312	743	903	773	599	587	984	916	474	497	734
(WY)	1964	1964	1964	1971	1971	1964	1964	1990	1992	1965	1965	1965

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1964 - 2001
ANNUAL TOTAL	605120	400736	
ANNUAL MEAN	1653	1098	2139
HIGHEST ANNUAL MEAN			4270
LOWEST ANNUAL MEAN			1044
HIGHEST DAILY MEAN	4610	May 24	12300
LOWEST DAILY MEAN	966	Dec 29	90
ANNUAL SEVEN-DAY MINIMUM	970	Dec 25	112
ANNUAL RUNOFF (AC-FT)	1200000	794900	1549000
10 PERCENT EXCEEDS	2210	1170	3750
50 PERCENT EXCEEDS	1400	1010	1870
90 PERCENT EXCEEDS	1020	810	895

e Estimated