

09019500 COLORADO RIVER NEAR GRANBY, CO

LOCATION.--Lat 40°07'15", long 105°54'00", in SW¹/₄NW¹/₄ sec.22, T.2 N., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 0.3 mi upstream from bridge on U.S. Highway 34, 1.3 mi upstream from Willow Creek, and 3.2 mi northeast of Granby.

DRAINAGE AREA.--323 mi².

PERIOD OF RECORD.--October 1907 to September 1911 (published as Grand River near Granby), October 1933 to September 1953, May 1961 to current year (irrigation season only). Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09019500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,960 ft above NGVD of 1929, from topographic map. June 10, 1908 to Sept. 30, 1911, and May 12 to June 10, 1934, nonrecording gage, at site 300 ft upstream at different datums. June 11, 1934 to Sept. 30, 1953, water-stage recorder at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Granby (station 09018500) since Sept. 13, 1949. Several diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station by Eureka and Grand River Ditches and Alva B. Adams Tunnel (see elsewhere in this report).

EXTREMES FOR PERIOD OF SEASONAL RECORD.--Maximum discharge, 2,520 ft³/s, June 22, 1996, 5.76 ft; minimum daily, 9.6 ft³/s, Sept. 21, 1981.

EXTREMES FOR PERIOD OF CONTINUOUS RECORD.--Maximum discharge observed, 4,100 ft³/s, June 20, 1909, gage height 5.5 ft site and datum then in use; minimum daily, 6.6 ft³/s, Jan. 29, 1950; minimum observed prior to starting construction of Shadow Mountain Lake, 20 ft³/s, Apr. 6, 1936 (discharge measurement).

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 82 ft³/s, July 21, gage height, 1.19 ft; minimum daily, 20 ft³/s, Sept. 2, 3, 16, 17.

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	---	---	---	---	---	---	---	63	52	45	56	22
2	---	---	---	---	---	---	---	61	52	47	57	20
3	---	---	---	---	---	---	---	60	53	47	56	20
4	---	---	---	---	---	---	---	59	53	44	55	21
5	---	---	---	---	---	---	---	59	52	46	54	21
6	---	---	---	---	---	---	---	58	52	45	53	21
7	---	---	---	---	---	---	---	57	54	43	53	21
8	---	---	---	---	---	---	---	57	54	45	54	21
9	---	---	---	---	---	---	---	57	54	44	46	21
10	---	---	---	---	---	---	---	58	54	45	27	21
11	---	---	---	---	---	---	---	60	54	43	28	21
12	---	---	---	---	---	---	---	61	54	42	28	21
13	---	---	---	---	---	---	---	58	53	43	27	21
14	---	---	---	---	---	---	---	56	52	46	27	21
15	---	---	---	---	---	---	---	54	52	53	28	21
16	---	---	---	---	---	---	---	53	53	55	28	20
17	---	---	---	---	---	---	---	54	53	55	28	20
18	---	---	---	---	---	---	---	56	52	56	28	21
19	---	---	---	---	---	---	---	56	50	55	30	21
20	---	---	---	---	---	---	---	55	48	55	28	21
21	---	---	---	---	---	---	---	52	50	58	26	22
22	---	---	---	---	---	---	---	54	50	58	26	22
23	---	---	---	---	---	---	---	53	51	53	27	21
24	---	---	---	---	---	---	---	53	49	60	27	21
25	---	---	---	---	---	---	---	54	48	60	27	21
26	---	---	---	---	---	---	---	54	50	60	29	21
27	---	---	---	---	---	---	---	53	47	54	29	21
28	---	---	---	---	---	---	---	53	48	53	29	21
29	---	---	---	---	---	---	---	55	47	54	29	22
30	---	---	---	---	---	---	---	54	52	53	29	23
31	---	---	---	---	---	---	---	53	---	56	29	---
TOTAL	---	---	---	---	---	---	---	1,740	1,543	1,573	1,098	632
MEAN	---	---	---	---	---	---	---	56.1	51.4	50.7	35.4	21.1
MAX	---	---	---	---	---	---	---	63	54	60	57	23
MIN	---	---	---	---	---	---	---	52	47	42	26	20
AC-FT	---	---	---	---	---	---	---	3,450	3,060	3,120	2,180	1,250