

Water-Data Report 2012

**09019500 COLORADO RIVER NEAR GRANBY, CO**

Colorado Headwaters Basin  
Colorado Headwaters Subbasin

LOCATION.--Lat 40°07'15", long 105°54'00" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.22, T.2 N., R.76 W., Grand County, CO, 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 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. 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.--Records good except for estimated daily discharges, which are poor. 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.

EXTREMES FOR PERIOD OF RECORD.--

SEASONAL RECORD: Maximum discharge, 2,520 ft<sup>3</sup>/s, June 22, 1996, 5.76 ft; minimum daily, 9.6 ft<sup>3</sup>/s, Sept. 21, 1981.

CONTINUOUS RECORD: Maximum discharge observed, 4,100 ft<sup>3</sup>/s, June 20, 1909, gage height 5.5 ft site and datum then in use; minimum daily, 6.6 ft<sup>3</sup>/s, Jan. 29, 1950; minimum observed prior to starting construction of Shadow Mountain Lake, 20 ft<sup>3</sup>/s, Apr. 6, 1936 (discharge measurement).

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 176 ft<sup>3</sup>/s, July 5, gage height, 1.70 ft; minimum daily, 20 ft<sup>3</sup>/s, Aug. 4.

## 09019500 COLORADO RIVER NEAR GRANBY, CO—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31	---	---	---	---	---	---	57	53	54	45	e28
2	32	---	---	---	---	---	---	58	57	54	23	e28
3	32	---	---	---	---	---	---	60	57	54	23	e28
4	32	---	---	---	---	---	---	62	53	55	20	e28
5	---	---	---	---	---	---	---	59	55	67	21	28
6	---	---	---	---	---	---	---	58	56	55	25	29
7	---	---	---	---	---	---	---	59	53	48	33	29
8	---	---	---	---	---	---	---	60	55	45	31	29
9	---	---	---	---	---	---	---	59	55	45	30	e29
10	---	---	---	---	---	---	25	57	54	46	32	e29
11	---	---	---	---	---	---	26	60	53	43	32	30
12	---	---	---	---	---	---	26	59	55	43	33	30
13	---	---	---	---	---	---	26	60	56	43	33	26
14	---	---	---	---	---	---	27	59	52	45	33	24
15	---	---	---	---	---	---	28	58	53	45	33	24
16	---	---	---	---	---	---	28	64	54	44	32	25
17	---	---	---	---	---	---	27	52	54	44	e32	24
18	---	---	---	---	---	---	27	55	54	44	e32	24
19	---	---	---	---	---	---	29	60	55	44	e30	23
20	---	---	---	---	---	---	28	52	54	44	e30	22
21	---	---	---	---	---	---	29	53	54	45	e30	21
22	---	---	---	---	---	---	30	54	54	45	e33	23
23	---	---	---	---	---	---	33	54	54	47	e33	23
24	---	---	---	---	---	---	37	59	55	49	e33	22
25	---	---	---	---	---	---	37	54	53	e51	e35	22
26	---	---	---	---	---	---	36	55	54	e55	e36	23
27	---	---	---	---	---	---	38	54	54	64	e36	22
28	---	---	---	---	---	---	37	55	54	56	e34	22
29	---	---	---	---	---	---	36	52	53	e55	e35	22
30	---	---	---	---	---	---	42	52	53	e55	e35	22
31	---	---	---	---	---	---	---	54	---	e55	e35	---
<b>Total</b>	---	---	---	---	---	---	---	1,764	1,626	1,539	978	759
<b>Mean</b>	---	---	---	---	---	---	---	56.9	54.2	49.6	31.5	25.3
<b>Max</b>	---	---	---	---	---	---	---	64	57	67	45	30
<b>Min</b>	---	---	---	---	---	---	---	52	52	43	20	21
<b>Ac-ft</b>	---	---	---	---	---	---	---	3,500	3,230	3,050	1,940	1,510

09019500 COLORADO RIVER NEAR GRANBY, CO—Continued

