

Water-Data Report 2013

**09149500 UNCOMPAGRE RIVER AT DELTA, CO**

Gunnison Basin  
Uncompahgre Subbasin

LOCATION (REVISED).--Lat 38°44'31.0", long 108°04'49.5" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.13, T.15 S., R.96 W., Delta County, CO, Hydrologic Unit 14020006, on right bank 525 ft downstream from 5th Street Bridge at west edge of Delta and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,114 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1903 to October 1931 (no winter records in most years), September 1938 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Delta" 1907-24. Statistical summary computed for 1939 to current year.

REVISED RECORDS.--WSP 1243: 1904. WDR-US-2011: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,926.49 ft above NGVD of 1929. Feb. 18, 1960 to Mar. 26, 1963, water-stage recorder at site 750 ft upstream at datum 3.43 ft higher. Mar. 27, 1963 to May 12, 1965, water-stage recorder at site 1,050 ft upstream at datum 6.08 ft higher. See WSP 1733 or 1924 for history of changes prior to Feb. 18, 1960.

REMARKS.--Records fair except for discharges greater than 900 ft<sup>3</sup>/s and estimated daily discharges, which are poor. Natural flow of stream affected by water diverted from Gunnison River (see record of diversion through Gunnison Tunnel published with station 09128000) and other adjacent basins. Flow regulated by Ridgway Reservoir, since 1986, total capacity, 84,590 acre-ft. Diversions for irrigation of about 90,000 acres upstream from station and return flow from irrigated areas.

## 09149500 UNCOMPAHGRE RIVER AT DELTA, CO—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	235	327	230	e154	139	128	46	128	102	110	248	282
2	225	309	229	e156	137	125	68	95	118	114	411	291
3	263	300	227	e152	137	126	82	80	119	111	376	278
4	253	291	215	e151	138	133	149	77	104	110	375	255
5	247	286	208	e151	137	136	184	73	107	104	354	268
6	247	282	207	e150	135	131	179	85	135	103	324	290
7	243	276	205	e149	136	132	107	95	129	108	346	300
8	256	271	203	e149	134	137	87	103	122	93	351	325
9	252	268	201	e150	139	144	88	115	140	93	339	363
10	252	271	186	e151	135	133	102	108	139	90	333	612
11	257	265	e185	e150	133	127	82	117	139	91	417	755
12	312	258	188	134	130	125	73	129	149	132	373	633
13	403	256	190	e135	126	127	52	139	143	139	261	706
14	354	258	194	e139	128	130	52	149	130	145	186	787
15	369	263	195	135	128	134	45	177	120	142	163	865
16	340	265	192	e133	129	138	46	169	127	163	148	801
17	480	264	187	e146	131	135	43	188	127	255	143	759
18	447	260	185	e147	132	130	49	199	101	317	138	749
19	414	254	189	e148	126	127	48	154	86	373	132	780
20	401	250	158	e144	129	123	37	135	88	313	114	767
21	381	253	e169	e146	131	123	41	106	91	255	114	741
22	369	250	e168	e146	132	119	46	90	76	195	112	800
23	368	244	e174	e142	124	116	70	80	82	121	130	1,350
24	359	242	e175	160	130	113	76	105	86	111	148	1,010
25	347	241	182	155	127	114	46	111	87	119	172	837
26	348	244	174	156	126	112	35	156	89	113	246	785
27	346	238	177	195	122	109	33	178	86	108	269	761
28	347	227	175	187	121	109	47	140	87	154	256	759
29	343	238	e148	164	---	106	67	107	101	242	254	748
30	336	232	e156	146	---	83	142	106	111	355	265	738
31	330	---	e157	143	---	48	---	100	---	269	265	---
<b>Total</b>	10,124	7,883	5,829	4,664	3,672	3,773	2,222	3,794	3,321	5,148	7,763	19,395
<b>Mean</b>	327	263	188	150	131	122	74.1	122	111	166	250	646
<b>Max</b>	480	327	230	195	139	144	184	199	149	373	417	1,350
<b>Min</b>	225	227	148	133	121	48	33	73	76	90	112	255
<b>Ac-ft</b>	20,080	15,640	11,560	9,250	7,280	7,480	4,410	7,530	6,590	10,210	15,400	38,470

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	420	264	177	146	140	172	301	482	529	313	295	399
<b>Max</b>	862	442	294	227	230	367	1,107	2,542	1,763	1,170	959	944
<b>(WY)</b>	(2007)	(1999)	(1999)	(2007)	(2008)	(2008)	(1985)	(1984)	(1984)	(1983)	(1999)	(1961)
<b>Min</b>	131	125	111	70.9	66.5	80.7	51.8	92.2	82.3	82.3	93.7	123
<b>(WY)</b>	(1978)	(1950)	(1943)	(1943)	(1943)	(1951)	(2003)	(2002)	(2002)	(2002)	(1956)	(1956)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1939 - 2013	
<b>Annual total</b>	67,307		77,588			
<b>Annual mean</b>	184		213		304	
<b>Highest annual mean</b>					688	1984
<b>Lowest annual mean</b>					155	1951
<b>Highest daily mean</b>	480	Oct 17	1,350	Sep 23	4,520	May 15, 1984
<b>Lowest daily mean</b>	51	May 1	33	Apr 27	<sup>a</sup> 15	Apr 12, 2003
<b>Annual seven-day minimum</b>	57	Apr 29	44	Apr 15	23	Apr 7, 2003
<b>Maximum peak flow</b>			1,650	Sep 23	<sup>b</sup> 5,800	May 15, 1984
<b>Maximum peak stage</b>			7.30	Sep 23	8.85	May 15, 1984
<b>Annual runoff (ac-ft)</b>	133,500		153,900		220,000	
<b>10 percent exceeds</b>	268		365		595	
<b>50 percent exceeds</b>	172		149		213	
<b>90 percent exceeds</b>	101		87		110	

<sup>a</sup> Minimum daily discharge for period of record, no flow at times in 1908. Minimum daily determined since beginning of diversion through Gunnison Tunnel, 7.0 ft<sup>3</sup>/s, Jul 10-15, 17, 21, 24-28, 1910.

<sup>b</sup> From rating curve extended above 3,400 ft<sup>3</sup>/s.

