

Water-Data Report 2013

09080400 FRYINGPAN RIVER NEAR RUEDI, CO

Colorado Headwaters Basin
Roaring Fork Subbasin

LOCATION.--Lat 39°21'56", long 106°49'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.12, T.8 S., R.85 W., Pitkin County, CO, Hydrologic Unit 14010004, on right bank 0.4 mi downstream from Rocky Fork Creek and Ruedi Dam, 1.5 mi west of former site of Ruedi, and 12.5 mi east of Basalt.

DRAINAGE AREA.--237 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1964 to current year. Statistical summary computed for 1969 to current year.

REVISED RECORDS.--WDR-US-2011: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, crest-stage gage and concrete control. Datum of gage is 7,473.25 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation). Prior to Nov. 7, 1970, at site 2.0 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station to Arkansas River Basin through Busk-Ivanhoe Tunnel since June 1925 and Charles H. Boustead Tunnel since May 16, 1972. Flow regulated by Ruedi Reservoir (station 09080190) since May 18, 1968.

09080400 FRYINGPAN RIVER NEAR RUEDI, CO—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	174	48	42	41	40	40	43	99	123	108	244	189
2	124	48	42	42	40	40	43	104	124	109	244	189
3	79	48	42	42	40	40	43	104	120	112	244	190
4	79	48	42	42	40	40	43	104	121	112	244	216
5	79	48	42	42	40	39	43	105	121	112	243	217
6	78	48	42	42	40	39	43	105	120	112	237	218
7	78	48	42	42	40	39	43	106	121	111	216	217
8	78	41	42	42	40	39	43	106	116	111	216	217
9	72	41	41	42	41	39	43	106	117	110	216	216
10	50	41	41	42	40	39	43	107	118	120	215	216
11	50	41	41	42	40	40	43	107	118	165	213	209
12	50	41	41	42	40	40	43	108	119	164	213	153
13	50	41	41	42	40	40	43	108	118	164	213	116
14	50	41	42	42	40	40	43	108	115	163	213	115
15	50	41	42	42	40	40	47	109	113	163	213	115
16	50	41	41	42	40	40	79	116	111	163	213	115
17	49	42	41	41	40	40	44	123	109	163	213	115
18	49	42	41	41	40	42	43	133	107	162	213	116
19	49	42	42	40	40	42	43	137	108	160	204	116
20	49	42	41	40	40	42	43	134	119	160	187	114
21	49	42	41	40	40	42	44	131	117	161	190	114
22	49	42	41	40	40	43	44	129	117	212	190	114
23	49	42	41	40	40	43	44	129	118	277	190	114
24	49	42	41	40	40	43	44	129	118	276	189	114
25	49	42	41	40	40	43	44	126	117	276	189	124
26	48	42	41	40	40	43	44	129	115	275	189	145
27	48	42	41	40	40	42	44	133	110	277	189	145
28	48	42	41	40	40	42	45	132	110	277	189	145
29	48	42	41	40	---	42	46	119	108	267	189	146
30	48	42	41	40	---	43	59	117	108	244	189	146
31	48	---	42	40	---	43	---	123	---	244	189	---
Total	1,920	1,293	1,283	1,273	1,121	1,269	1,359	3,626	3,476	5,530	6,496	4,676
Mean	61.9	43.1	41.4	41.1	40.0	40.9	45.3	117	116	178	210	156
Max	174	48	42	42	41	43	79	137	124	277	244	218
Min	48	41	41	40	40	39	43	99	107	108	187	114
Ac-ft	3,810	2,560	2,540	2,520	2,220	2,520	2,700	7,190	6,890	10,970	12,880	9,270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	146	112	119	117	122	131	151	251	337	256	191	173
Max	366	185	224	228	250	280	370	669	950	812	411	305
(WY)	(1970)	(1985)	(1996)	(1996)	(1996)	(1996)	(1971)	(1970)	(1984)	(1995)	(2009)	(2008)
Min	54.8	42.4	38.2	36.8	36.3	33.6	39.1	116	113	95.9	57.1	49.1
(WY)	(1978)	(2003)	(1969)	(1969)	(1969)	(1977)	(1969)	(2005)	(2003)	(1977)	(1977)	(1977)

09080400 FRYINGPAN RIVER NEAR RUEDI, CO—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1969 - 2013	
Annual total	41,964		33,322			
Annual mean	115		91.3		^a 176	
Highest annual mean					288	1984
Lowest annual mean					83.9	1977
Highest daily mean	264	Sep 15	277	Jul 23	1,390	Jun 25, 1983
Lowest daily mean	37	Apr 11	39	Mar 5	^b 28	Nov 14, 1995
Annual seven-day minimum	38	Apr 11	39	Mar 4	29	Mar 5, 1981
Maximum peak flow			282	Jul 26	^c 1,400	Sep 16, 1976
Maximum peak stage			2.10	Jul 26	^d 3.50	Sep 16, 1976
Annual runoff (ac-ft)	83,240		66,090		127,200	
10 percent exceeds	219		206		298	
50 percent exceeds	95		48		146	
90 percent exceeds	41		40		74	

^a Subsequent to completion of Ruedi Reservoir.

^b Minimum daily discharge for period of record, 16 ft³/s, Feb 2, 1968 (result of storage in Ruedi Reservoir); minimum daily discharge prior to construction of Ruedi Reservoir, 28 ft³/s, Mar 4, 1966.

^c Maximum discharge and stage for period of record, 2,690 ft³/s, Jun 18, 1965, gage height 5.16 ft, site and datum then in use.

^d Maximum gage height for statistical period, 3.89 ft, Jun 24, 1983.

