

09072550 ROARING FORK RIVER ABOVE LOST MAN CREEK NEAR ASPEN, CO

Colorado Headwaters Basin
Roaring Fork Subbasin

LOCATION.--Lat 39°07'09.7", long 106°37'26.1" referenced to North American Datum of 1983, Pitkin County, CO, Hydrologic Unit 14010004, at left wingwall of outlet culvert of Roaring Fork Diversion Dam, 0.25 mi upstream from Lost Man Creek, and 11.5 mi southeast of Aspen.

DRAINAGE AREA.--9.03 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1980 to September 1986 and June 2009 to current year (seasonal records only). Intermittent discharge records and miscellaneous discharge measurements collected by the U.S. Bureau of Reclamation from October 1986 to October 2008.

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

GAGE.--Water-stage recorder with satellite telemetry and 90-degree V-notch weir. Elevation of gage is 10,520 ft above NGVD of 1929, from topographic map. Prior to June 17, 2008 at site 500 ft downstream, at different datum.

REMARKS.--Records good except for those below 0.05 ft³/s and estimated daily discharges, which are poor. Weir plate removed from Oct. 1-13, and July 17 to Sept. 30, daily discharges estimated. Transmountain diversion upstream through Twin Lakes Tunnel to Arkansas River Basin since May 24, 1935. Diversions from Lost Man Creek via canal into Roaring Fork River immediately upstream of Roaring Fork Diversion Dam. Roaring Fork Diversion Dam also diverts some of the Roaring Fork River, via tunnel, to Grizzly Reservoir on Lincoln Creek. Flow completely regulated by Roaring Fork Diversion Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 442 ft³/s, June 10, 1985; no flow many days each year.

REVISIONS.--The maximum discharges published for water years 2009-11 should not have been published, due to the diversion-like characteristics of this site. They have been removed from the peak flow file. Only the maximum daily discharge for the period of record will be published for this site.

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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	e4.5	---	---	---	---	---	---	0.00	5.4	0.01	e0.50	e7.1
2	e1.0	---	---	---	---	---	---	0.00	5.2	0.01	e9.8	e7.1
3	e0.25	---	---	---	---	---	---	0.00	5.2	0.01	e10	e6.6
4	e0.50	---	---	---	---	---	---	0.00	5.2	0.01	e11	e6.6
5	e0.75	---	---	---	---	---	---	0.00	5.1	0.01	e11	e6.7
6	e1.0	---	---	---	---	---	---	0.00	5.1	0.01	e12	e6.9
7	e0.75	---	---	---	---	---	---	0.00	5.0	0.01	e10	e6.9
8	e0.50	---	---	---	---	---	---	0.00	3.8	0.01	e11	e6.9
9	e0.25	---	---	---	---	---	---	0.00	3.2	0.01	e11	e6.9
10	e0.10	---	---	---	---	---	---	0.00	3.1	0.01	e12	e7.1
11	e0.05	---	---	---	---	---	---	0.00	1.5	0.01	e11	e7.0
12	e0.02	---	---	---	---	---	---	0.00	0.01	0.01	e12	e6.9
13	e0.02	---	---	---	---	---	---	0.00	0.01	0.01	e12	e7.0
14	0.02	---	---	---	---	---	---	0.00	0.01	0.01	e11	e7.0
15	0.02	---	---	---	---	---	---	0.00	0.01	0.00	e12	e7.0
16	0.02	---	---	---	---	---	---	0.00	0.01	2.9	e12	e7.0
17	0.01	---	---	---	---	---	---	0.01	0.01	e9.0	e12	e7.0
18	0.01	---	---	---	---	---	---	0.01	0.01	e15	e12	e6.8
19	0.01	---	---	---	---	---	---	0.01	0.01	e15	e12	e7.0
20	0.01	---	---	---	---	---	---	0.01	0.01	e15	e10	e7.0
21	0.01	---	---	---	---	---	---	0.01	0.01	e15	e9.4	e7.0
22	0.01	---	---	---	---	---	---	0.01	0.01	e7.9	e7.1	e6.7
23	0.01	---	---	---	---	---	---	0.01	0.01	e2.0	e7.0	e7.0
24	0.01	---	---	---	---	---	---	0.01	0.01	e1.7	e7.0	e7.0
25	0.01	---	---	---	---	---	---	0.01	0.01	e1.6	e7.0	e6.7
26	0.01	---	---	---	---	---	---	0.01	0.01	e1.0	e7.0	e6.7
27	0.01	---	---	---	---	---	---	0.00	0.01	e0.50	e7.0	e6.7
28	0.01	---	---	---	---	---	---	0.00	0.01	e1.0	e7.1	e6.7
29	0.01	---	---	---	---	---	---	3.2	0.01	e1.0	e7.1	e6.7
30	0.01	---	---	---	---	---	---	5.4	0.01	e0.50	e7.1	e6.7
31	0.01	---	---	---	---	---	---	5.4	---	e0.50	e7.1	---
Total	9.90	---	---	---	---	---	---	14.10	47.99	89.74	294.20	206.4
Mean	0.32	---	---	---	---	---	---	0.45	1.60	2.89	9.49	6.88
Max	4.5	---	---	---	---	---	---	5.4	5.4	15	12	7.1
Min	0.01	---	---	---	---	---	---	0.00	0.01	0.00	0.50	6.6
Ac-ft	20	---	---	---	---	---	---	28	95	178	584	409

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