

Water-Data Report CO-2005

**09041900 MONTE CRISTO DIVERSION NEAR HOOSIER PASS, CO**

BLUE RIVER BASIN

LOCATION.--Lat 39°22'51", long 106°04'15" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.2, T.8 S., R.78 W., Summit County, Hydrologic Unit 14010002, on left bank at entrance to Hoosier Pass Tunnel, 2,200 ft downstream from diversion point, 1.4 mi northwest of Hoosier Pass, and 7 mi southwest of Breckenridge.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--October 1957 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. This is a transmountain diversion from Monte Cristo Creek in Blue River Basin through Hoosier Pass Tunnel to South Platte River Basin from which it is again diverted to South Catamount Creek in the Arkansas River Basin. Water is for municipal use by city of Colorado Springs. Diversion point is in SW ¼ NE ¼ sec.2, T.8 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 73 ft<sup>3</sup>/s, Aug. 12-14, 1980 and Sept. 29, 1994; no flow for most of each year.

## 09041900 MONTE CRISTO DIVERSION NEAR HOOSIER PASS, CO—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	e0.00	0.71	4.1	2.1	e0.00	e0.00
2	---	---	---	---	---	---	e0.00	0.69	3.9	2.0	e0.00	e0.00
3	---	---	---	---	---	---	e0.00	0.80	3.5	1.9	11	e0.00
4	---	---	---	---	---	---	e0.00	1.0	2.8	1.8	39	e0.00
5	---	---	---	---	---	---	e0.00	1.2	2.2	1.7	38	e0.00
6	---	---	---	---	---	---	e0.00	1.4	2.2	1.5	21	e0.00
7	---	---	---	---	---	---	e0.00	1.3	2.2	1.4	16	e0.00
8	---	---	---	---	---	---	e0.00	1.1	2.1	1.4	13	e0.00
9	---	---	---	---	---	---	e0.00	2.2	2.0	1.3	11	e0.00
10	---	---	---	---	---	---	e0.00	4.0	2.1	1.3	11	e0.00
11	---	---	---	---	---	---	e0.00	3.8	2.0	1.2	9.9	e0.00
12	---	---	---	---	---	---	e0.00	2.8	2.1	1.2	9.4	e0.00
13	---	---	---	---	---	---	e0.00	2.1	2.2	15	8.3	e0.00
14	---	---	---	---	---	---	e0.00	2.2	2.1	19	9.9	e0.00
15	---	---	---	---	---	---	e0.00	3.2	2.4	10	7.8	e0.64
16	---	---	---	---	---	---	e0.00	4.2	2.6	9.3	7.4	3.5
17	---	---	---	---	---	---	e0.00	4.6	2.9	17	8.4	3.8
18	---	---	---	---	---	---	e0.00	4.6	3.0	17	e0.00	3.4
19	---	---	---	---	---	---	1.6	5.9	3.2	15	e0.00	8.3
20	---	---	---	---	---	---	1.8	7.0	3.3	13	e0.00	26
21	---	---	---	---	---	---	1.3	7.8	3.3	12	e0.00	32
22	---	---	---	---	---	---	1.2	9.0	3.3	4.7	e0.00	29
23	---	---	---	---	---	---	1.6	9.9	3.2	e0.00	e0.00	29
24	---	---	---	---	---	---	1.7	9.4	3.0	e0.00	e0.00	29
25	---	---	---	---	---	---	1.2	8.3	3.1	12	e0.00	28
26	---	---	---	---	---	---	0.87	7.2	2.9	28	e0.00	27
27	---	---	---	---	---	---	0.83	5.8	2.5	18	e0.00	30
28	---	---	---	---	---	---	0.77	5.0	2.4	13	e0.00	31
29	---	---	---	---	---	---	0.68	4.7	2.4	6.3	e0.00	30
30	---	---	---	---	---	---	0.68	5.1	2.2	e0.00	e0.00	30
31	---	---	---	---	---	---	---	4.5	---	e0.00	e0.00	---
<b>Total</b>	---	---	---	---	---	---	14.23	131.50	81.2	228.10	221.10	340.64
<b>Mean</b>	---	---	---	---	---	---	0.47	4.24	2.71	7.36	7.13	11.4
<b>Max</b>	---	---	---	---	---	---	1.8	9.9	4.1	28	39	32
<b>Min</b>	---	---	---	---	---	---	0.00	0.69	2.0	0.00	0.00	0.00
<b>Ac-ft</b>	---	---	---	---	---	---	28	261	161	452	439	676

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