

Water-Data Report 2013

06659580 SAND CREEK AT COLORADO-WYOMING STATE LINE

North Platte Basin
Upper Laramie Subbasin

LOCATION.--Lat 40°59'37.14", long 105°45'34.93" referenced to North American Datum of 1983, in NW ¼ NW ¼ SW ¼ sec.24, T.12 N., R.75 W., Larimer County, CO, Hydrologic Unit 10180010, on right bank 1,200 ft south of Colorado-Wyoming State line and 17 mi southwest of Tie Siding, WY.

DRAINAGE AREA.--29.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1968 to current year (no winter records since 1971).

GAGE.--Water-stage recorder. Elevation of gage is 7,580 ft above NGVD of 1929, from topographic map. Prior to July 19, 1977, gage at site 700 ft upstream from station at different datum. State of Colorado data collection platform with satellite telemetry at station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

REMARKS.--Records good, except those for estimated daily discharge, which are poor. Natural flow affected by diversion upstream from station to Cache la Poudre River basin through Wilson Supply ditch. Water imported upstream from station from Deadman Creek in Laramie River basin is rediverted through Wilson Supply ditch, but is wasted down Sand Creek at times. Diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,710 ft³/sec, July 19, 1977, from slope-area measurement of peak flow, gage height, 6.65 ft, from floodmarks; minimum daily discharge, 0 ft³/sec, July 13, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 95 ft³/sec, May 24, gage height, 1.49 ft; minimum daily discharge, 0.89 ft³/sec, September 6.

06659580 SAND CREEK AT COLORADO-WYOMING STATE LINE—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	---	---	---	---	---	---	3.8	12	28	5.5	2.4	1.3
2	---	---	---	---	---	---	3.6	9.7	33	5.3	2.4	1.2
3	---	---	---	---	---	---	3.3	10	37	4.9	2.7	1.00
4	---	---	---	---	---	---	4.2	12	38	4.7	2.4	0.96
5	---	---	---	---	---	---	5.0	14	36	5.2	2.1	0.93
6	---	---	---	---	---	---	4.9	14	34	6.0	2.1	0.89
7	---	---	---	---	---	---	4.7	14	32	5.9	2.4	0.94
8	---	---	---	---	---	---	4.7	17	31	4.6	2.3	1.0
9	---	---	---	---	---	---	e3.5	19	29	4.1	2.2	1.3
10	---	---	---	---	---	---	e3.0	20	26	3.8	2.3	2.0
11	---	---	---	---	---	---	e3.2	22	24	3.6	2.3	2.8
12	---	---	---	---	---	---	3.0	25	21	3.5	2.3	6.2
13	---	---	---	---	---	---	2.8	30	19	3.8	2.1	14
14	---	---	---	---	---	---	e2.8	35	18	4.2	2.0	11
15	---	---	---	---	---	---	e2.7	37	17	4.0	1.9	5.7
16	---	---	---	---	---	---	e2.5	36	15	3.7	1.6	4.5
17	---	---	---	---	---	---	e2.5	46	14	3.3	1.3	3.7
18	---	---	---	---	---	---	e2.5	59	14	3.0	1.3	3.1
19	---	---	---	---	---	---	e2.9	55	13	2.9	1.2	2.8
20	---	---	---	---	---	---	3.4	41	11	2.9	1.4	2.6
21	---	---	---	---	---	---	3.9	37	9.7	2.8	1.3	2.5
22	---	---	---	---	---	---	4.2	31	8.8	2.6	1.1	2.4
23	---	---	---	---	---	---	3.6	33	8.2	2.3	1.2	2.7
24	---	---	---	---	---	---	3.4	78	7.5	2.3	1.6	4.0
25	---	---	---	---	---	---	3.5	68	6.9	2.6	1.9	3.8
26	---	---	---	---	---	---	4.0	64	6.4	3.1	1.9	3.3
27	---	---	---	---	---	---	5.4	48	6.0	3.1	1.8	3.0
28	---	---	---	---	---	---	8.1	43	5.5	3.0	1.7	2.9
29	---	---	---	---	---	---	12	34	5.2	3.3	1.5	3.0
30	---	---	---	---	---	---	15	33	5.2	3.5	1.7	3.1
31	---	---	---	---	---	---	---	30	---	2.7	1.8	---
Total	---	---	---	---	---	---	132.1	1,026.7	559.4	116.2	58.2	98.62
Mean	---	---	---	---	---	---	4.40	33.1	18.6	3.75	1.88	3.29
Max	---	---	---	---	---	---	15	78	38	6.0	2.7	14
Min	---	---	---	---	---	---	2.5	9.7	5.2	2.3	1.1	0.89
Ac-ft	---	---	---	---	---	---	262	2,040	1,110	230	115	196

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