

**06659500 LARAMIE RIVER AND PIONEER CANAL NEAR WOODS, WY**

North Platte Basin  
Upper Laramie Subbasin

LOCATION.--Lat 41°08'17", long 105°58'49" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.36, T.14 N., R.77 W., Albany County, WY, Hydrologic Unit 10180010, on left bank 100 ft upstream from diversion dam for Pioneer Canal, 2.2 mi downstream from Fox Creek, 2.5 mi northeast of Woods, and 23 mi southwest of Laramie. Canal: Lat 41°08'21", long 105°58'45", in SE¼ NE¼ sec.36, T.14 N., R.77 W., Albany County, Hydrologic Unit 10180010, on left bank 400 ft downstream from headgate.

DRAINAGE AREA.--434 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1912 to September 1924, October 1926 to September 1927, October 1931 to current year (no winter records for river since 1972; no winter records for canal 1972 to 1996). Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1310: 1918-20, 1922, 1924. WSP 1710: Drainage area. WDR WY-84-1: 1983.

GAGE.--River: Water-stage recorder and concrete control. Elevation of gage is 7,388.99 ft above NGVD of 1929. April 16 to November 15, 1912, nonrecording gage and November 16, 1912 to September 22, 1915, water-stage recorder 90 ft downstream from station between dam crest and canal headgates at datum 1.00 ft higher. September 23, 1915 to September 30, 1924, April 19 to September 30, 1927, and April 11, 1932 to September 30, 1935, water-stage recorder at site 50 ft downstream from station at datum 1.00 ft higher. October 1, 1935 to July 13, 1950, water-stage recorder at site 50 ft downstream from station at present datum. Canal: Water-stage recorder and Parshall flume. Elevation of gage is 7,390 ft above NGVD of 1929, from topographic map. April 16, 1912 to April 10, 1923, nonrecording gage; April 11, 1923 to September 30, 1924, and April 19 to June 9, 1927, water-stage recorder; June 10 to September 30, 1927, and April 11, 1932 to May 8, 1938, nonrecording gage; May 9, 1938 to April 26, 1966, water-stage recorder at site 1.5 mi downstream from station at different datums. April 27, 1966 to May 8, 1967, at present site, at datum 0.06 ft lower. From 2002 through 2010, water was diverted from the Laramie River by a City of Laramie pipeline upstream from the Pioneer Canal headgate and returned to the canal downstream from the flume. This diverted flow was added to the discharge record from 2002 through 2010. In 2011 the pipeline was rerouted and flow was no longer returned to Pioneer Canal. Flows from the pipeline are no longer included beginning in 2011.

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

REMARKS.--Records fair. Pioneer Canal diverts from left bank of river at diversion dam 100 ft downstream from station for irrigation in vicinity of Laramie. Records show combined flow of river and canal. Three small reservoirs upstream from station in Wyoming, total capacity, about 600 acre-ft for irrigation, stock water, and domestic use. Diversions for irrigation upstream from station. Transbasin diversions upstream from station to Cache la Poudre River and tributaries. National Weather Service, in cooperation with Wyoming State Engineer's Office, has data collection platform with satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,060 ft<sup>3</sup>/s, June 10, 1923; minimum daily discharge, 0 ft<sup>3</sup>/s, May 1, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 999 ft<sup>3</sup>/s, May 18; minimum daily discharge, 41 ft<sup>3</sup>/s, September 5.

## 06659500 LARAMIE RIVER AND PIONEER CANAL NEAR WOODS, WY—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	---	---	---	---	---	---	e70	183	534	125	e73	50
2	---	---	---	---	---	---	70	138	509	112	68	51
3	---	---	---	---	---	---	e52	145	572	102	61	47
4	---	---	---	---	---	---	62	158	619	105	52	43
5	---	---	---	---	---	---	71	182	597	104	51	41
6	---	---	---	---	---	---	79	186	613	102	57	46
7	---	---	---	---	---	---	78	198	579	97	61	51
8	---	---	---	---	---	---	70	223	628	86	71	53
9	---	---	---	---	---	---	59	254	673	78	91	58
10	---	---	---	---	---	---	e51	266	696	66	102	69
11	---	---	---	---	---	---	e57	271	746	60	85	92
12	---	---	---	---	---	---	49	297	701	56	72	179
13	---	---	---	---	---	---	47	369	620	57	69	470
14	---	---	---	---	---	---	51	472	578	63	74	348
15	---	---	---	---	---	---	52	611	545	132	74	230
16	---	---	---	---	---	---	50	736	458	98	64	194
17	---	---	---	---	---	---	e48	879	403	84	54	164
18	---	---	---	---	---	---	e46	919	356	74	48	143
19	---	---	---	---	---	---	e54	808	315	76	47	153
20	---	---	---	---	---	---	56	738	273	92	48	152
21	---	---	---	---	---	---	57	642	236	90	47	123
22	---	---	---	---	---	---	64	583	202	64	45	111
23	---	---	---	---	---	---	57	612	179	52	50	123
24	---	---	---	---	---	---	51	762	164	47	66	159
25	---	---	---	---	---	---	52	816	145	133	74	131
26	---	---	---	---	---	---	58	816	134	e110	64	112
27	---	---	---	---	---	---	78	829	117	e100	61	105
28	---	---	---	---	---	---	124	845	113	e89	55	121
29	---	---	---	---	---	---	160	787	109	e84	57	125
30	---	---	---	---	---	---	204	711	117	e79	54	120
31	---	---	---	---	---	---	---	595	---	e72	51	---
<b>Total</b>	---	---	---	---	---	---	2,077	16,031	12,531	2,689	1,946	3,864
<b>Mean</b>	---	---	---	---	---	---	69.2	517	418	86.7	62.8	129
<b>Max</b>	---	---	---	---	---	---	204	919	746	133	102	470
<b>Min</b>	---	---	---	---	---	---	46	138	109	47	45	41
<b>Ac-ft</b>	---	---	---	---	---	---	4,120	31,800	24,860	5,330	3,860	7,660

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