

LITTLE ROCKY

Little Rocky

DESCRIPTION AND OPERATION MEMORANDUM

LITTLE ROCKY DITCH

USGS ID 43109 H2 USGS NAME CLARK

DIVERSION DESCRIPTION

One 4' screwtype steel sliding gate in iron headwall.

DIVERSION LOCATION

Source: Little Rocky Creek

S 63° 35' W, 1089' from a point 1320' W and 1254' S of the Section corner common to Sections 20,21,28 and 29 of Township 57N, Range 102W, and is in the SW 1/4 NE 1/4 Section 29.

CONVEYANCE DESCRIPTION

Open dirt ditch 3 miles long, delivering water to approximately 730 acres and 18 users. Ditch capacity ~ 15 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
9/18/1900	2823	Irr.	297.00	4.19		4.19	
8/10/1901	695E	Irr.	130.00	1.85		6.04	
9/08/1906	1603E	Irr.	300.00	4.28		10.32	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 30% at peak.

IRRIGATION PRACTICES

Conventional food irrigation practices, enhanced by use of irrigation pipe and some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, grass hay, pasture, occasional small grain, lawn and gardens.

RETURN FLOWS

Some to Little Rocky Creek, some to Bennett Creek

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

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PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

DIVERSION RECORD

Year	Measured Data
1983	3/28, 4.5 cfs; 4/25, 1.6 cfs; 5/12, 2 cfs; 5/13, 2 cfs; 5/18, 2.9 cfs; 5/23, 3 cfs; 5/24, 3 cfs; 5/31, 3.4 cfs; 6/1, 3.3 cfs; 6/3, 3.5 cfs
1984	5/10, 2.4 cfs; 5/25, 7 cfs; 8/14, 12.5 cfs; 8/20, 12 cfs; 8/21, 10 cfs; 8/23, 10 cfs
1985	5/29, 6 cfs; 5/30, 6.1 cfs; 5/31, 6.5 cfs; 6/3, 6.3 cfs; 6/4, 6.3 cfs; 6/6, 9 cfs; 6/10, 11 cfs; 6/11, 10 cfs; 6/18, 10 cfs; 6/24, 10.5 cfs; 6/27, 10 cfs; 7/2, 10 cfs; 7/8, 7 cfs; 7/11, 7.1 cfs; 7/12, 7 cfs; 7/15, 7.1 cfs; 7/16, 8 cfs; 7/18, 7 cfs; 7/22, 8 cfs; 7/26, 6.5 cfs; 7/31, 7 cfs; 8/2, 7 cfs; 8/5, 8.1 cfs; 8/9, 9 cfs; 8/12, 7.1 cfs; 8/19, 7 cfs; 8/23, 7 cfs; 8/28, 7.1 cfs; 9/9, 6.5 cfs
1986	4/10, 4.26 cfs; 4/11, 4.26 cfs; 4/15, 4.26 cfs; 4/18, 4.26 cfs; 4/21, Off; 4/22, 4.26 cfs; 4/25, 4.26 cfs; 4/29, 4.26 cfs; 5/2, 4.26 cfs; 5/4, 2.7 cfs; 5/9, 4.26 cfs; 5/13, 3.26 cfs; 5/19, 4.09 cfs; 5/20, 4.26 cfs; 5/23, 5.94 cfs; 5/28, 10.4 cfs; 5/30, 13.82 cfs; 6/3, 17.81 cfs; 6/10, 19.2 cfs; 6/13, 24.32 cfs; 6/18, 22.09 cfs; 6/25, 22.09 cfs; 7/2, 22.7 cfs; 7/9, 22.27 cfs; 7/16, 22.09 cfs; 8/20, 19.3 cfs; 8/27, 16.45 cfs; 9/5, 16.45 cfs; 10/2, 17.81 cfs
1995	5/4, 4.16 cfs; 5/11, 4.18 cfs; 5/18, 5.39 cfs; 5/26, 4.16 cfs; 6/1, 6.86 cfs; 6/6, 13.15 cfs; 6/16, 13.15 cfs; 6/29, 13.15 cfs; 7/13, 13.93 cfs; 7/20, 13.9 cfs; 7/26, 14.73 cfs; 8/9, 12.76 cfs; 9/20, 10.17 cfs; 9/28, 10.17 cfs
1996	5/2, Off; 5/7, 3.8 cfs; 5/10, 3.8 cfs; 5/16, 3.94 cfs; 5/21, 5.97 cfs; 5/30, 7.49 cfs; 6/13, 12.38 cfs; 6/27, 12.38 cfs; 7/25, 13.15 cfs; 8/1, 12.38 cfs; 8/14, 12 cfs; 8/21, 10.5 cfs; 8/28, 12.38 cfs; 9/12, 12 cfs; 9/19, 12 cfs; 9/26, 6.56 cfs
1997	5/5, 4.05 cfs; 5/7, 4.05 cfs; 5/9, 4.18 cfs; 5/13, 4.05 cfs; 5/16, 5.97 cfs; 5/22, 10.17 cfs; 5/30, 12 cfs; 6/6, Off; 6/13, Off; 6/20, Off; 6/27, Off; 7/11, 14.13 cfs; 7/18, 12.95 cfs; 7/29, 10.71 cfs; 8/15, 8.46 cfs; 8/22, 6.86 cfs; 8/28, 10.71 cfs; 9/19, 8.93 cfs; 9/30, 5.39 cfs
1998	4/24, 4.19 cfs; 4/28, 0.96 cfs; 5/1, 0.96 cfs; 5/4, 5.97 cfs; 5/7, 6.11 cfs; 5/12, 5.39 cfs; 5/14, 5.76 cfs; 5/19, 5.53 cfs; 5/21, 5.39 cfs; 5/28, 8.46 cfs; 6/2, 9.3 cfs; 6/4, 9.3 cfs; 6/9, 9.3 cfs; 6/11, 9.3 cfs; 6/16, 10.53 cfs; 6/19, 10.17 cfs; 6/30, 13.93 cfs; 7/16, 14.33 cfs; 7/23, 13.93 cfs; 7/30, 12.76 cfs; 8/20, 12 cfs; 8/27, 11.63 cfs; 9/9, 11.63 cfs; 9/15, 11.07 cfs; 9/18, 11.07 cfs; 9/23, 9.13 cfs
1999	4/9, 4.05 cfs; 4/13, 4.245 cfs; 4/16, 4.44 cfs; 4/17, 4.71 cfs; 4/20, 4.44 cfs; 4/23, 4.71 cfs; 4/30, 6.86 cfs; 5/4, 6.04 cfs; 5/7, 4.71 cfs; 5/11, 4.57 cfs; 5/14, 4.57 cfs; 5/18, 4.05 cfs; 5/21, 4.05 cfs; 5/25, 6.04 cfs; 5/28, 10.17 cfs; 6/4, 10.17 cfs; 6/18, 12 cfs; 6/25, 12.76 cfs; 7/2, 12 cfs; 7/30, 12 cfs; 8/20, 12.76 cfs; 9/3, 12 cfs; 9/17, 10.17 cfs; 9/24, 10.35 cfs; 9/30, 10.53 cfs
2000	5/9, 4.05 cfs; 5/16, 4.05 cfs; 5/19, 4.19 cfs; 5/23, 6.56 cfs; 5/25, 8.46 cfs; 6/2, 12 cfs; 6/16, 12.76 cfs; 7/13, 14.33 cfs; 7/21, 10.9 cfs; 7/28, 12 cfs; 8/1, 12 cfs; 8/4, 11.26 cfs; 8/10, 10.71 cfs; 8/17, 10.71 cfs; 8/22, 10.71 cfs; 8/25, 10.53 cfs; 8/31, 8.79 cfs; 9/14, 7.46 cfs; 9/19, 9.3 cfs; 9/26, 9.48 cfs; 9/29, 8.96 cfs
2001	4/20, 4.19 cfs; 4/24, 3.68 cfs; 5/1, 4.05 cfs; 5/8, 4.05 cfs; 5/11, 4.05 cfs; 5/15, 10.17 cfs; 5/17, 4.05 cfs; 5/18, 6.11 cfs; 5/22, 5.82 cfs; 5/24, 6.11 cfs; 5/25, 6.56 cfs; 5/29, 6.04 cfs; 6/1, 6.04 cfs; 6/5, 4.18 cfs; 6/6, 4.18 cfs; 6/11, 6.11 cfs; 6/15, 6.11 cfs; 6/19, 8.46 cfs; 6/22, 8.46 cfs; 6/26, 8.79 cfs; 6/29, 9.13 cfs; 7/3, 8.46 cfs; 7/6, 8.79 cfs; 7/10, 9.48 cfs; 7/13, 7.76 cfs; 7/17, 9.48 cfs; 7/20, 9.3 cfs; 7/24, 9.13 cfs; 7/27, 9.3 cfs; 7/31, 8.46 cfs; 8/3, 6.04 cfs; 8/7, 6.04 cfs; 8/10, 6.04 cfs; 8/14, 5.82 cfs; 8/17, 5.53 cfs; 8/21, 5.53 cfs; 8/28, 5.68 cfs; 8/31, 5.53 cfs; 9/5, 5.39 cfs; 9/11, 5.82 cfs; 9/14, 5.53 cfs; 9/18, 5.68 cfs; 9/21, 5.68 cfs; 9/25, 5.53 cfs; 10/2, 5.39 cfs

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.