

GREYBULL

Arnold

Beck & Allen

Brown Croxall

Cheeseman

Dodge

Fairview

German

JFW

Keystone

Roach Jimmerfield

Ruby

Snyder Nichols

TL

Wilson McNally

Woods Barnett

Avant Greybull

Bench Canal

Butte

Cockins

Dyer

Farmers Canal

Greybull

Jimmerfield

Pappapau

Rocky

Sandstone

Tatman St. Joe

Whitney Gleaver

Winkle Benbrook

DESCRIPTION AND OPERATION MEMORANDUM

ARNOLD DITCH

USGS ID 44108 C6 USGS NAME SHEETS FLAT

DIVERSION DESCRIPTION

One 4' wide wooden slide gate in a timber headwall.

DIVERSION LOCATION

Source: Greybull River
NW 1/4 SW 1/4 Section 22, Township 50N, Range 99W.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 4 1/2 miles long serving approximately 800 acres owned by one user. Ditch capacity is approximately 12 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/01/1885	Terr.	Irr.	695.00	9.92		9.92	

STORAGE RIGHTS

Upper Sunshine Reservoir, Lower Sunshine Reservoir.

ESTIMATED CANAL LOSSES

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

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by use of gated and solid irrigation pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, small grains, occasional row crops.

RETURN FLOWS

Minimal; all to Greybull River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

YU Ranch
Daniel Ochsner
Meeteetse, WY
(307) 868-2237

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	6/2, 19.13 cfs; 6/3, 19.13 cfs; 6/4, 19.13 cfs; 6/5, 19.13 cfs; 6/6, 19.13 cfs; 6/7, 19.13 cfs; 6/8, 19.13 cfs; 6/9, 9.11 cfs; 6/10, 9.11 cfs; 6/11, 9.11 cfs; 6/12, 9.11 cfs; 6/13, 9.11 cfs; 6/14, 9.11 cfs; 6/15, 8.91 cfs; 6/16, 7.15 cfs; 6/17, 7.15 cfs; 6/18, 7.15 cfs; 6/19, 7.15 cfs; 6/20, 9.11 cfs; 6/21, 9.11 cfs; 6/22, 8 cfs; 6/23, 8 cfs; 6/24, 8 cfs; 6/25, 8 cfs; 6/26, 8 cfs; 6/27, 8.25 cfs; 6/28, 8.25 cfs; 6/29, 8.25 cfs; 6/30, 8 cfs; 7/1, 8 cfs; 7/2, 6 cfs; 7/3, 6 cfs; 7/4, 6 cfs; 7/5, 6 cfs; 7/6, 6 cfs; 7/7, 6 cfs; 7/8, 3 cfs; 7/9, 3 cfs; 7/10, 3 cfs; 7/11, 3 cfs; 7/12, 3 cfs; 7/13, 3 cfs; 7/14, 3 cfs; 7/15, 2.5 cfs; 7/16, 2.5 cfs; 7/17, 2.5 cfs; 7/18, 2.5 cfs; 7/19, 2.5 cfs; 7/20, 2.5 cfs; 7/21, 2.5 cfs; 7/22, 2.5 cfs; 7/23, 3 cfs; 7/24, 3 cfs; 7/25, 12.38 cfs; 7/26, 12.38 cfs; 7/27, 12.38 cfs; 7/28, 12.38 cfs; 7/29, 12.38 cfs; 7/30, 12.38 cfs; 7/31, 12.38 cfs; 8/1, 18.6 cfs; 8/2, 17.54 cfs; 8/3, 17.54 cfs; 8/4, 17.54 cfs; 8/5, 17.54 cfs; 8/6, 17.54 cfs; 8/7, 17.54 cfs; 8/8, 11.47 cfs; 8/9, 15 cfs; 8/10, 15 cfs;
	8/11, 15 cfs; 8/12, 15 cfs; 8/13, 15 cfs; 8/14, 15 cfs; 8/15, 15 cfs; 8/16, 15 cfs; 8/17, 11.47 cfs; 8/18, 11.47 cfs; 8/19, 11.47 cfs; 8/20, 11.47 cfs; 8/21, 11.47 cfs; 8/22, 11.47 cfs; 8/23, 9.95 cfs; 8/24, 9.95 cfs; 8/25, 9.95 cfs; 8/26, 9.95 cfs; 8/27, 9.95 cfs; 8/28, 9.95 cfs; 8/29, 4.07 cfs; 8/30, 4.07 cfs; 8/31, 4.07 cfs; 9/1, 4.07 cfs; 9/2, 4.07 cfs; 9/3, 4.07 cfs; 9/4, 4.07 cfs; 9/5, 4.07 cfs; 9/6, 4.07 cfs; 9/7, 4.07 cfs; 9/8, 5.36 cfs; 9/9, 5.36 cfs; 9/10, 5.36 cfs; 9/11, 5.36 cfs; 9/12, 5.36 cfs; 9/13, 5.36 cfs; 9/14, 5.36 cfs; 9/15, 5.36 cfs; 9/16, 5.36 cfs; 9/17, 5.36 cfs; 9/18, 5.36 cfs; 9/19, 5.36 cfs; 9/20, 5.36 cfs; 9/21, 5.36 cfs
1984	5/12, 2.78 cfs; 5/13, 2.78 cfs; 5/14, 2.78 cfs; 5/15, 2.78 cfs; 5/16, 1.06 cfs; 5/17, 1.06 cfs; 5/25, 7.15 cfs; 5/26, 7.15 cfs; 5/27, 7.15 cfs; 5/28, 7.15 cfs; 5/29, 7.15 cfs; 5/30, 7.15 cfs; 5/31, 7.15 cfs; 6/1, 7.15 cfs; 6/2, 7.15 cfs; 6/3, 7.15 cfs; 6/4, 7.15 cfs; 6/5, 8.71 cfs; 6/6, 8.71 cfs; 6/7, 8.71 cfs; 6/8, 11.25 cfs; 6/9, 11.25 cfs; 6/10, 11.25 cfs; 6/11, 11.25 cfs; 6/12, 11.25 cfs; 6/13, 11.25 cfs; 6/14, 11.25 cfs; 6/15, 11.25 cfs; 6/16, 11.25 cfs; 6/17, 11.25 cfs; 6/18, 11.25 cfs; 6/19, 11.25 cfs; 6/20, 11.25 cfs; 6/21, 11.25 cfs; 6/22, 12.15 cfs; 6/23, 12.15 cfs; 6/24, 12.15 cfs; 6/25, 16.51 cfs; 6/26, 16.51 cfs; 6/27, 16.51 cfs; 6/28, 15.5 cfs; 6/29, 15.5 cfs; 6/30, 15.5 cfs; 7/1, 15.5 cfs; 7/2, 14.51 cfs; 7/3, 14.51 cfs; 7/4, 14.51 cfs; 7/5, 13.55 cfs; 7/6, 13.55 cfs; 7/7, 13.55 cfs; 7/8, 13.55 cfs; 7/9, 7.91 cfs; 7/10, 7.91 cfs; 7/11, 13.08 cfs; 7/12, 13.08 cfs; 7/13, 13.08 cfs; 7/14, 13.08 cfs; 7/15, 13.08 cfs; 7/16, 13.08 cfs; 7/17, 13.08 cfs; 7/18, 13.08 cfs; 7/19, 13.08 cfs;
	7/20, 13.08 cfs; 7/21, 13.08 cfs; 7/22, 13.08 cfs; 7/23, 18.07 cfs; 7/24, 18.07 cfs; 7/25, 15.5 cfs; 7/26, 15.5 cfs; 7/27, 15.5 cfs; 7/28, 15.5 cfs; 7/29, 15.5 cfs; 7/30, 18.07 cfs; 7/31, 18.07 cfs; 8/1, 18.07 cfs; 8/2, 18.07 cfs; 8/3, 18.07 cfs; 8/4, 18.07 cfs; 8/5, 18.07 cfs; 8/6, 11.47 cfs; 8/7, 11.47 cfs; 8/8, 8.71 cfs; 8/9, 8.71 cfs; 8/10, 8.71 cfs; 8/11, 8.71 cfs; 8/12, 8.71 cfs; 8/13, 9.11 cfs; 8/14, 9.11 cfs; 8/15, 9.11 cfs; 8/16, 10.16 cfs; 8/17, 10.16 cfs; 8/18, 10.16 cfs; 8/19, 10.16 cfs; 8/20, 10.16 cfs; 8/21, 10.16 cfs; 8/22, 10.16 cfs; 8/23, 10.16 cfs; 8/24, 9.95 cfs; 8/25, 9.95 cfs; 8/26, 9.95 cfs; 8/27, 9.95 cfs; 8/28, 9.95 cfs; 8/29, 9.95 cfs; 8/30, 9.95 cfs; 8/31, 9.95 cfs; 9/1, 9.95 cfs; 9/2, 9.95 cfs; 9/3, 9.95 cfs; 9/4, 9.95 cfs; 9/5, 9.95 cfs; 9/6, 9.95 cfs; 9/7, 9.95 cfs; 9/8, 9.95 cfs; 9/9, 9.95 cfs; 9/10, 9.95 cfs; 9/11, 2.65 cfs; 9/12, 2.65 cfs; 9/13, 2.65 cfs; 9/14, 2.65 cfs; 9/15, 2.65 cfs; 9/16, 2.65 cfs; 9/17, 2.65 cfs; 9/18, 2.65 cfs; 9/19, 2.65 cfs; 9/20, 2.65 cfs; 9/21, 2.65 cfs; 9/22, 2.27 cfs; 9/23, 2.27 cfs; 9/24, 2.27 cfs; 9/25, 1.68 cfs; 9/26, 1.68 cfs; 9/27, 1.68 cfs
1985	6/24, 11.47 cfs; 6/25, 11.47 cfs; 6/26, 11.47 cfs; 6/27, 11.47 cfs; 6/28, 10.59 cfs; 6/29, 10.59 cfs; 6/30, 10.59 cfs; 7/1, 11.47 cfs; 7/2, 11.47 cfs; 7/3, 11.47 cfs; 7/4, 11.47 cfs; 7/5, 11.47 cfs; 7/6, 11.47 cfs; 7/7, 11.47 cfs; 7/8, 11.47 cfs; 7/9, 11.47 cfs; 7/10, 11.47 cfs; 7/11, 9.95 cfs; 7/12, 9.95 cfs; 7/13, 9.95 cfs; 7/14, 9.95 cfs; 7/15, 9.95 cfs; 7/16, 9.95 cfs; 7/17, 9.95 cfs; 7/18, 4.86 cfs; 7/19, 4.86 cfs; 7/20, 4.86 cfs; 7/21, 4.86 cfs; 7/22, 4.86 cfs; 7/23, 4.86 cfs; 7/24, 4.86 cfs; 7/25, 4.86 cfs; 7/26, 4.86 cfs; 7/27, 4.86 cfs; 7/28, 4.86 cfs; 7/29, 4.86 cfs; 7/30, 4.86 cfs; 7/31, 4.86 cfs; 8/1, 4.86 cfs; 8/2, 4.86 cfs; 8/3, 4.86 cfs; 8/4, 4.86 cfs; 8/5, 4.86 cfs; 8/6, 4.86 cfs; 8/7, 7.53 cfs; 8/8, 7.53 cfs; 8/9, 7.53 cfs; 8/10, 7.53 cfs; 8/11, 7.53 cfs; 8/12, 8.91 cfs; 8/13, 8.91 cfs; 8/14, 8.91 cfs; 8/15, 6.59 cfs; 8/16, 6.59 cfs; 8/17, 6.59 cfs; 8/18, 6.59 cfs; 8/19, 6.59 cfs; 8/20, 6.59 cfs; 8/21, 6.59 cfs; 8/22, 6.59 cfs; 8/23, 7.31 cfs; 8/24, 7.31 cfs; 8/25, 7.31 cfs; 8/26, 7.31 cfs;
	8/27, 7.31 cfs; 8/28, 5.03 cfs; 8/29, 5.03 cfs; 8/30, 5.03 cfs; 8/31, 5.03 cfs; 9/1, 5.03 cfs; 9/2, 5.03 cfs; 9/3, 3.77 cfs; 9/4, 3.77 cfs; 9/5, 3.77 cfs; 9/6, 3.77 cfs; 9/7, 4.22 cfs; 9/8, 4.22 cfs; 9/9, 4.22 cfs; 9/10, 4.22 cfs; 9/11, 2.78 cfs; 9/12, 2.78 cfs; 9/13, 3.19 cfs; 9/14, 3.19 cfs; 9/15, 3.19 cfs; 9/16, 3.19 cfs; 9/17, 1.57 cfs; 9/18, 1.57 cfs; 9/19, 1.57 cfs; 9/20, 1.57 cfs; 9/21, 1.57 cfs; 9/22, 1.57 cfs; 9/23, 3.77 cfs; 9/24, 3.77 cfs; 9/25, 3.77 cfs; 9/26, 3.77 cfs; 9/27, 3.77 cfs
1986	5/5, 11.47 cfs; 5/6, 11.47 cfs; 5/7, 11.47 cfs; 5/8, 11.47 cfs; 5/9, 5.03 cfs; 5/10, 5.03 cfs; 5/11, 5.03 cfs; 5/12, 5.03 cfs; 5/13, 3.19 cfs; 5/14, 3.19 cfs; 5/15, 3.19 cfs; 5/16, 11.47 cfs; 5/17, 11.47 cfs; 5/18, 11.47 cfs; 5/19, 11.47 cfs; 5/20, 10.59 cfs; 5/21, 10.59 cfs; 5/22, 10.59 cfs; 5/23, 10.59 cfs; 5/24, 10.59 cfs; 5/25, 10.59 cfs; 5/26, 11.47 cfs; 5/27, 11.47 cfs; 5/28, 19.95 cfs; 5/29, 19.95 cfs; 5/30, 19.95 cfs; 5/31, 19.95 cfs; 6/1, 19.95 cfs; 6/2, 23.04 cfs; 6/3, 23.04 cfs; 6/4, 23.04 cfs; 6/5, 21.9 cfs; 6/6, 21.9 cfs; 6/7, 21.9 cfs; 6/8, 21.9 cfs; 6/9, 14.03 cfs; 6/10, 14.03 cfs; 6/11, 14.03 cfs; 6/12, 14.03 cfs; 6/13, 16.25 cfs; 6/14, 16.25 cfs; 6/15, 16.25 cfs; 6/16, 11.47 cfs; 6/17, 11.47 cfs; 6/18, 11.47 cfs; 6/19, 11.03 cfs; 6/20, 11.03 cfs; 6/21, 11.03 cfs; 6/22, 11.03 cfs; 6/23, 11.25 cfs; 6/24, 11.25 cfs; 6/25, 11.25 cfs; 6/26, 5.36 cfs; 6/27, 5.36 cfs; 6/28, 5.36 cfs; 6/29, 5.36 cfs; 6/30, 11.47 cfs; 7/1, 11.47 cfs; 7/2, 11.47 cfs; 7/3, 11.47 cfs; 7/4, 11.47 cfs; 7/5, 11.03 cfs;
	7/6, 11.03 cfs; 7/7, 10.38 cfs; 7/8, 10.38 cfs; 7/9, 10.38 cfs; 7/10, 10.38 cfs; 7/11, 6.77 cfs; 7/12, 6.77 cfs; 7/13, 6.77 cfs; 7/14, 6.77 cfs; 7/15, 6.77 cfs; 7/16, 8.31 cfs; 7/17, 8.31 cfs; 7/18, 8.31 cfs; 7/19, 6.96 cfs; 7/20, 6.96 cfs; 7/21, 6.96 cfs; 7/22, 6.96 cfs; 7/23, 6.96 cfs; 7/24, 11.47 cfs; 7/25, 11.47 cfs; 7/26, 11.47 cfs; 7/27, 11.47 cfs; 7/28, 11.47 cfs; 7/29, 12.38 cfs; 7/30, 12.38 cfs; 7/31, 12.38 cfs; 8/1, 12.38 cfs; 8/2, 12.38 cfs; 8/3, 12.38 cfs; 8/4, 8.51 cfs; 8/5, 8.51 cfs; 8/6, 8.51 cfs; 8/7, 9.95 cfs; 8/8, 9.95 cfs; 8/9, 9.95 cfs; 8/10, 9.95 cfs; 8/11, 9.95 cfs; 8/12, 9.95 cfs; 8/13, 9.95 cfs; 8/14, 9.95 cfs; 8/15, 5.03 cfs; 8/16, 5.03 cfs; 8/17, 5.03 cfs; 8/18, 5.03 cfs; 8/19, 5.03 cfs; 8/20, 4.7 cfs; 8/21, 4.7 cfs; 8/22, 4.7 cfs; 8/23, 2.92 cfs; 8/24, 2.92 cfs; 8/25, 2.92 cfs; 8/26, 2.92 cfs; 8/27, 2.92 cfs; 8/28, 2.92 cfs; 8/29, 2.78 cfs; 8/30, 2.78 cfs; 8/31, 2.78 cfs; 9/1, 2.78 cfs; 9/2, 2.78 cfs; 9/3, 2.78 cfs
1995	8/2, 12.38 cfs; 8/4, 12.38 cfs; 8/7, 12.38 cfs; 8/10, 12.38 cfs; 8/14, 12.38 cfs; 8/21, 12.38 cfs; 8/23, 12.38 cfs; 8/25, 12.38 cfs; 8/28, 12.38 cfs; 9/1, 12.38 cfs; 9/6, 8.11 cfs; 9/8, 8.11 cfs; 9/12, 2 cfs; 9/15, 2 cfs; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/14, Off; 5/15, 15.5 cfs; 5/20, 11.94 cfs; 5/30, 11.94 cfs; 6/7, 23.04 cfs; 6/15, 23.04 cfs; 6/17, 9.11 cfs; 6/24, 9.11 cfs; 7/2, 9.11 cfs; 7/9, 9.11 cfs; 7/15, 15.57 cfs; 7/16, 21.33 cfs; 7/20, 13.31 cfs; 7/30, 14.51 cfs; 8/2, 11.47 cfs; 8/5, Off; 8/7, 8.12 cfs; 8/13, 5.36 cfs; 8/19, Off; 8/26, Off; 9/9, Off; 9/16, Off; 9/23, 1.26 cfs
1997	5/21, 10.81 cfs; 5/27, 11.47 cfs; 6/3, 24.97 cfs; 6/26, 9.95 cfs; 7/3, 14.51 cfs; 7/9, 16 cfs; 7/16, 6.41 cfs; 7/24, 9.11 cfs; 7/30, 9.11 cfs; 8/4, 8.31 cfs; 8/12, 7.91 cfs; 8/21, Off; 8/29, Off; 9/3, Off; 9/8, Off; 9/17, 6.05 cfs; 9/30, 4.54 cfs
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 6/9, Off; 6/16, Off; 6/23, Off; 6/29, Off; 7/6, Off; 7/14, 21.33 cfs; 7/21, 21.33 cfs; 8/4, 14.51 cfs; 8/10, Off; 8/13, 5 cfs; 8/18, Off; 8/24, 20.22 cfs; 8/31, 5 cfs; 9/9, 10 cfs; 9/14, 10 cfs; 9/29, 5 cfs
1999	6/1, 20 cfs; 6/7, 10 cfs; 6/15, 15 cfs; 6/22, Off; 6/28, Off; 7/7, Off; 7/16, 12.38 cfs; 7/22, 13.55 cfs; 7/27, 13.55 cfs; 8/2, 15 cfs; 8/9, 16 cfs; 8/18, 16 cfs; 8/23, 16 cfs; 8/30, 16 cfs
2000	5/24, 15 cfs; 6/11, 10.38 cfs; 7/10, 13.55 cfs; 7/19, 13.55 cfs; 8/1, 14.03 cfs; 8/11, 14.03 cfs; 8/15, 13.55 cfs; 8/21, 15 cfs; 8/28, 15 cfs; 9/6, 11.25 cfs; 9/13, 11.25 cfs

2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 11.44 cfs; 6/11, 12.01 cfs; 6/19, Off; 6/27, Off; 7/2, Off; 7/17, Off; 7/23, 5.11 cfs; 7/28, 5.11 cfs; 8/2, 8.31 cfs; 8/5, 5.11 cfs; 8/8, 5.11 cfs; 8/14, 5.11 cfs; 8/20, 5.11 cfs; 8/28, 5.11 cfs
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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.

DESCRIPTION AND OPERATION MEMORANDUM

AVANT (VAN ALSTINE-WALKER) DITCH

DIVERSION DESCRIPTION

Two 2' screwtype sliding metal gates in concrete headwall.

DIVERSION LOCATION

Source: Nowood River
N 61° 35' E, 851' from corner no.5 of Tract 50, Township 49N, Range 91W.

CONVEYANCE DESCRIPTION

Open dirt ditch 7 1/2 miles long delivering water to approximately 1700 acres (including lands originally served by the Avant, Secesh, and Dyke ditches) using portions of those original ditches as laterals adding another approximately 3 miles of ditch. Ditch serves 8 users and has an approximate capacity of 30 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/05/1895	1008	Irr.	120.00	1.71		1.71	
2/27/1903	997E	Irr.	571.29	8.14		9.85	
2/10/1904	5847	Irr.	257.00	3.66		13.51	
10/15/1904	1358E	Irr.	26.00	0.37		13.88	
9/09/1909	2779E	Irr.	46.00	0.66		14.54	
5/22/1911	2481E	Irr.	18.00	0.26		14.80	
12/16/1960	6062E	Irr.	32.00	0.45		15.25	
2/23/1961	6050E	Irr.	22.20	0.32		15.57	
12/04/1974	6540E	Irr.	11.70	0.17		15.74	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25-30% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced by ditch lining and considerable use of irrigation pipe. Some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, grass hay, pasture, occasional small grains, beans and occasional corn, lawns and gardens.

RETURN FLOWS

Moderate; all to Nowood River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Vernard Tharp
Manderson, WY
(307) 469-2397

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	
1984	9/6, 18 cfs
1985	8/6, 14 cfs; 8/19, 15 cfs
1986	7/12, 20 cfs; 7/27, 15 cfs; 9/12, 15 cfs
1995	5/2, 20.6 cfs; 5/8, 21.9 cfs; 5/15, 24.6 cfs; 5/22, Off; 6/1, 35.7 cfs; 6/7, 36.9 cfs; 6/15, 40.1 cfs; 6/20, 30.3 cfs; 6/26, 37.3 cfs; 7/5, 36.9 cfs; 7/13, 36.5 cfs; 7/17, 30.3 cfs; 7/24, 26.4 cfs; 7/31, 29.2 cfs; 8/7, 23.9 cfs; 8/16, 25 cfs; 8/24, 23.3 cfs; 8/29, 22.9 cfs; 9/6, 22.6 cfs; 9/11, 22.9 cfs; 9/22, 22.6 cfs; 9/25, 18.1 cfs; 10/3, 16.9 cfs; 10/10, 15.8 cfs
1996	4/10, Off; 5/2, 23.3 cfs; 5/8, 23.6 cfs; 5/13, 23.3 cfs; 5/20, 35.7 cfs; 5/29, 38.1 cfs; 6/4, 35.7 cfs; 6/12, 35.3 cfs; 6/17, 34.1 cfs; 6/24, 31.8 cfs; 7/1, 28.9 cfs; 7/10, 25.7 cfs; 7/15, 24.6 cfs; 7/24, 25 cfs; 7/29, 24.3 cfs; 8/5, 23.3 cfs; 8/13, 22.9 cfs; 8/19, 21.6 cfs; 8/28, 21.3 cfs; 9/6, 21 cfs; 9/11, 19.68 cfs; 9/16, 20 cfs; 9/23, 20.96 cfs; 10/1, 19.37 cfs; 10/8, 19.68 cfs; 10/14, 18.13 cfs; 10/21, 16.92 cfs
1997	4/21, Off; 4/28, Off; 5/5, 23 cfs; 5/15, 23 cfs; 5/20, 26 cfs; 6/6, 26 cfs; 6/13, 27 cfs; 6/16, 27 cfs; 6/24, 27 cfs; 6/30, 23 cfs; 7/11, 23 cfs; 7/14, 21 cfs; 7/25, 19 cfs; 7/30, 23 cfs; 8/6, 27 cfs; 8/13, 28 cfs; 8/15, 27 cfs; 8/22, 41 cfs; 8/25, 38 cfs; 9/1, 26 cfs; 9/8, 24 cfs; 9/17, 25 cfs; 9/23, 27 cfs
1998	4/28, 20.64 cfs; 5/4, 23.6 cfs; 5/11, 24.28 cfs; 5/22, 24.62 cfs; 5/28, 24.28 cfs; 6/1, 23.94 cfs; 6/9, 25.66 cfs; 6/15, 24.97 cfs; 6/25, 24.62 cfs; 7/2, 25.31 cfs; 7/8, 24.62 cfs; 7/13, 25.31 cfs; 7/22, 24.62 cfs; 7/27, 25.31 cfs; 8/7, 24.62 cfs; 8/14, 24.97 cfs; 8/17, 25.31 cfs; 8/24, 24.97 cfs; 9/3, 23.94 cfs; 9/9, 23.6 cfs; 9/14, 19.68 cfs; 9/25, 19.06 cfs; 9/29, 19.37 cfs
1999	4/12, 23.77 cfs; 4/15, 23.66 cfs; 4/20, 24.28 cfs; 4/22, 23.94 cfs; 4/27, 24.97 cfs; 5/4, 24.62 cfs; 5/14, 24.97 cfs; 5/17, 17.82 cfs; 5/28, 22.93 cfs; 6/1, 23.6 cfs; 6/7, 24.88 cfs; 6/14, 23.94 cfs; 6/24, 24.62 cfs; 7/6, 24.97 cfs; 7/15, 24.64 cfs; 7/21, 23.94 cfs; 7/26, 22.93 cfs; 8/6, 22.6 cfs; 8/10, 21.94 cfs; 8/17, 22.27 cfs; 8/23, 21.61 cfs; 9/3, 22.27 cfs; 9/8, 21.61 cfs; 9/13, 20.64 cfs
2000	4/11, 23.94 cfs; 4/17, 25.66 cfs; 4/24, 28.86 cfs; 5/3, 28.5 cfs; 5/9, 27.78 cfs; 5/17, 27.42 cfs; 5/22, 28.14 cfs; 6/1, 27.42 cfs; 6/7, 29.23 cfs; 6/12, 28.86 cfs; 6/20, 28.5 cfs; 6/27, 28.06 cfs; 7/14, 27.78 cfs; 7/19, 27.42 cfs; 7/24, 27.06 cfs; 8/10, 25.66 cfs; 8/15, 24.28 cfs; 8/23, 22.93 cfs; 8/28, 21.61 cfs; 9/6, 21.94 cfs; 9/14, 21.28 cfs; 10/5, 20.32 cfs; 10/9, 20.96 cfs
2001	4/3, Off; 4/11, Off; 4/19, Off; 4/23, 11.36 cfs; 4/30, 17.22 cfs; 5/9, Off; 5/14, 23.94 cfs; 5/22, 24.62 cfs; 5/29, 27.06 cfs; 6/5, 27.78 cfs; 6/11, 28.5 cfs; 6/19, 26.01 cfs; 6/28, 25.31 cfs; 7/2, 24.38 cfs; 7/10, 23.94 cfs; 7/18, 24.28 cfs; 7/26, 20 cfs; 7/30, 20 cfs; 8/3, 4.95 cfs; 8/6, 4.86 cfs; 8/13, 4.86 cfs; 8/20, 5.05 cfs; 8/21, 5.63 cfs; 8/22, 5.83 cfs; 8/23, 21.28 cfs; 8/26, 13 cfs; 8/27, 12.62 cfs; 8/28, 6.45 cfs; 9/4, 9.26 cfs; 9/7, 17.67 cfs; 9/10, 17.52 cfs; 9/12, 21.61 cfs; 9/14, 25.31 cfs; 9/17, 25 cfs; 9/25, 24.62 cfs; 10/1, 25.31 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.

DESCRIPTION AND OPERATION MEMORANDUM

BECK AND ALLEN

USGS ID 44108 D3 USGS NAME OTTO

DIVERSION DESCRIPTION

Screw type steel gates in concrete headwall.

DIVERSION LOCATION

Source: Greybull River

Common diversion at Greybull River - SE 1/4 SE 1/4 Section 7 (o.s.) Township 51N, Range 97W, then into Farmer's Canal in Tract 45, Township 51N, then to headgate of Beck and Allen at NE corner of Tract 41, Township 52N, Range 97W.

CONVEYANCE DESCRIPTION

Open earthen canal with some lining; is common carrier for Perkins and J.F.W. ditch water as well. Main ditch is approximately 6 miles long with major laterals adding another estimated 6 miles of ditch. Supplies water to approximately 3375 acres not including Perkins and J.F.W. ditches. Capacity is approximately 50 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
5/15/1893	480	Irr.,Dom.	796.12	11.36		11.36	
2/05/1898	312E	Irr.,Dom.	888.50	12.39		23.75	
2/21/1900	502E	Irr.	151.00	2.15		25.90	
11/28/1904	1329E	Irr.	1049.00	14.95		40.85	
8/21/1909	2119E	Irr.	150.00	2.14		42.99	
7/24/1914	2995E	Irr.,Dom.	362.22	5.15		48.14	

STORAGE RIGHTS

Upper Sunshine, Lower Sunshine, and Greybull Valley reservoirs.

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25-30% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by concrete-lined ditches, gated pipe, buried pipe, and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, beans, beets, corn, pasture, lawns and gardens.

RETURN FLOWS

100% to Greybull River, some via constructed drains, some via McKinney Creek.

OTHER OPERATIONAL INFORMATION

Private ditch operated in cooperation with Farmer's Canal Company.

CONTACT INFORMATION

Brent and Steven Winters
P.O. Box 46
Otto, WY
(307)762-3530

PHOTO LOG

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

DIVERSION RECORD

Year	Measured Data
1983	
1984	
1985	
1986	
1995	
1996	5/3, 21 cfs; 5/8, 31 cfs; 5/17, 45 cfs; 5/23, 40 cfs; 5/29, 12 cfs; 6/4, 10 cfs; 6/6, 24 cfs; 6/14, 21 cfs; 6/21, 19 cfs; 6/28, 23 cfs; 7/3, 20 cfs; 7/10, 16 cfs; 7/19, 11 cfs; 7/26, 16 cfs; 7/31, 15 cfs; 8/5, 16 cfs; 8/13, 4 cfs; 8/15, 4 cfs; 8/21, 9 cfs; 8/28, 6 cfs; 9/6, 7 cfs; 9/12, 3 cfs; 9/18, 9 cfs; 9/23, 5 cfs
1997	4/25, 13 cfs; 5/8, 30 cfs; 5/23, 40 cfs; 5/28, 12 cfs; 6/6, 38 cfs; 6/8, Off; 6/15, Off; 6/27, 26 cfs; 7/2, 26 cfs; 7/11, 31 cfs; 7/18, 30 cfs; 7/25, 21 cfs; 8/1, 22 cfs; 8/8, 17 cfs; 8/14, 22 cfs; 8/20, 6 cfs; 8/28, 11 cfs; 9/5, 11 cfs; 9/12, 12 cfs; 9/18, 20 cfs; 9/26, 8 cfs; 9/30, 4 cfs
1998	4/10, 4 cfs; 4/16, 18 cfs; 4/24, 9 cfs; 4/29, 30 cfs; 5/6, 32 cfs; 5/13, 39 cfs; 5/20, 39 cfs; 5/29, 26 cfs; 6/3, 21 cfs; 6/10, 17 cfs; 6/17, 17 cfs; 6/24, 32 cfs; 6/30, 19 cfs; 7/8, 16 cfs; 7/15, 45 cfs; 7/22, 35 cfs; 7/30, 34 cfs; 8/5, 16 cfs; 8/11, 12 cfs; 8/18, 15 cfs; 8/26, 11 cfs; 9/1, 9 cfs; 9/7, 29 cfs; 9/15, 10 cfs; 9/24, 3 cfs; 9/30, 2 cfs
1999	4/9, 5 cfs; 4/15, 8 cfs; 4/22, 10 cfs; 4/26, 12 cfs; 5/6, 3 cfs; 5/14, 2 cfs; 5/20, 6 cfs; 5/27, 6 cfs; 6/4, 4 cfs; 6/7, 10 cfs; 6/17, 5 cfs; 6/24, 5 cfs; 7/2, 17 cfs; 7/8, 23 cfs; 7/16, 11 cfs; 7/23, 5 cfs; 7/30, 7 cfs; 8/5, 10 cfs; 8/11, 4 cfs; 8/19, 7 cfs; 8/26, 7 cfs; 9/2, 8 cfs; 9/10, 3 cfs; 9/16, 3 cfs; 9/21, 3 cfs
2000	4/7, 24 cfs; 4/12, 12 cfs; 4/18, 12 cfs; 4/27, 26 cfs; 5/6, 36 cfs; 5/9, 20 cfs; 5/12, 17 cfs; 5/18, 10 cfs; 5/24, 6 cfs; 5/30, 15 cfs; 6/9, 16 cfs; 6/14, Off; 6/23, 6 cfs; 7/5, 12 cfs; 7/12, 24 cfs; 7/20, 34 cfs; 7/27, 24 cfs; 8/3, 12 cfs
2001	5/3, 24.79 cfs; 5/10, 42.23 cfs; 5/15, 47.76 cfs; 5/25, 17.28 cfs; 6/1, 17.28 cfs; 6/8, 10.16 cfs; 6/12, 21.05 cfs; 6/21, 2.52 cfs; 6/26, 8 cfs; 7/2, 9.95 cfs; 7/11, 23.04 cfs; 7/19, 18.6 cfs; 7/25, 16 cfs; 8/2, 21.3 cfs; 8/8, 10.16 cfs; 8/15, 11.25 cfs; 8/24, 7.15 cfs; 8/30, 7.53 cfs; 9/7, 13.79 cfs; 9/12, 9.11 cfs; 9/18, 9.11 cfs; 9/26, 9.11 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.

DESCRIPTION AND OPERATION MEMORANDUM

BENCH CANAL

DIVERSION DESCRIPTION

Concrete diversion dam, one 12' and one 14' radial gates electrically operated in concrete headwall. Estimated capacity of common carrier canal above bifurcation is 600 c.f.s. Diverts water also for Farmers Canal, Beck and Allen, J.F.W. Perkins, Gould, Bahr, Guynup, Elam and Goodrich, Williamson, Behmer, Black and Caldwell, and Esther ditches.

DIVERSION LOCATION

Source: Greybull River
SE 1/4 SE 1/4 Section 7 (o.s.) Township 51N, Range 97W, 6th PM (Tract 42 R.S.)

CONVEYANCE DESCRIPTION

Open earthen canal is common carrier for both Bench and Farmer's Canal for first 1+ mile, then below bifurcation works Bench Canal is approximately 9 miles long with approximately 45 additional miles of major laterals and sublaterals with approximately 200 structures serving around 16, 400 acres, estimated capacity Bench Canal below bifurcation - 360 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
10/16/1893	596	Dom.,Irr.	1275.00	18.16		18.16	
12/19/1896	233E	Irr.,Dom.,Stk.	13706.28	191.27		209.43	
6/21/1956	6339E	Res Supply					
3/04/1963	6227E	Res Supply					
3/04/1963	7153R	Irr.			298.70		
2/22/1977	6686	Irr.	47.30	0.68		210.11	

STORAGE RIGHTS

Upper Sunshine, Lower Sunshine, and Greybull Valley Reservoirs.

ESTIMATED CANAL LOSSES

Varies with time of year
Est. 15-20% at peak

IRRIGATION PRACTICES

Conventional flood irrigation practices appropriate for crop production, including concrete-lined delivery ditches, gated pipe, buried pipe and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Pasture, alfalfa hay, small grains, beans, corn, sugar beets, lawns and gardens (including Town of Emblem).

RETURN FLOWS

~15% to Greybull River, ~85% to Dry Creek directly and via constructed drains.

OTHER OPERATIONAL INFORMATION

Managed by canal company, employs manager and ditchriders. Bench Diversion Board shares management of common works with Farmer's Canal Company Diversion Board.

CONTACT INFORMATION

Paul Rasmussen
Burlington, WY
(307)726-3367

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

Monthly Summary (ac-ft)

Year	Discharge (ac-ft)												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1973					8,049	12,349	11,724	11,066	4,871	948			48,059
1974				938	11,399	9,552	19,890	11,667	6,760				60,206
1975					2,299	13,369	15,384	13,117	9,199				53,367
1976				58	9,804	9,295	17,944	12,331	8,997				58,429
1977					9,469	10,990	10,897	7,644	6,369				45,370
1978					2,118	13,125	15,810	11,109	7,273				49,436
1979				0	6,482	11,377	13,386	9,295	6,466				47,006
1980													
1981				0	6,260	11,410	14,020	12,880	7,090				51,660
1982				0	7,658	9,270	13,560	12,470	6,010				48,968
1983				0	8,370	14,850	18,650	12,480	9,710				64,060
1984				131	12,530	13,850	18,950	13,190	8,750				67,401
1985				1,250	11,280	10,030	10,910	7,660	5,660				46,790
1986				619	7,940	15,420	15,790	12,470	7,390				59,629
1987				1,990	10,530	10,730	15,240	13,040	9,530				61,060
1988				682	7,450	13,480	8,970	6,110	1,160				37,852
1989				0	1,290	8,970	10,470	7,210	5,330				33,270
1990				300	5,990	11,430	10,300	9,030	5,970				43,020
1991				0	6,320	12,680	16,590	13,530	6,900				56,020
1992				5,040	11,560	10,260	14,270	14,720	8,860				64,710
1993				1,550	12,170	14,080	13,700	14,080	10,260				65,840
1994				1,400	11,450	8,100	9,600	8,640	5,220				44,410
1995				1,600	6,640	14,330	18,050	14,250	9,640				64,510
1996				1,320	9,530	14,590	19,840	13,370	9,230				67,880
1997				1,620	12,430	7,690	17,840	13,970	9,530				63,080
1998				1,674	13,458	11,617	18,044	13,504	9,880				68,177
1999				5,236	7,843	13,426	18,502	14,993	8,650				68,650
2000				3,761	9,478	11,936	13,760	9,985	5,702				54,622
2001				415	7,793	6,534	6,294	2,369	488				23,893
Total				1,233	8,485	11,598	14,585	11,292	7,175	948			54,368

Monthly Summary (cfs)

Year	Discharge (cfs)												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1973					131	208	191	180	82	15			158
1974				16	185	161	323	190	114				165
1975					37	225	250	213	155				176
1976				1	159	156	292	201	151				160
1977					154	185	177	124	107				149
1978					34	221	257	181	122				163
1979				0	105	191	218	151	109				129
1980													
1981				0	102	192	228	209	119				142
1982				0	125	156	221	203	101				134
1983				0	136	250	303	203	163				176
1984				2	204	233	308	215	147				185
1985				21	183	169	177	125	95				128
1986				10	129	259	257	203	124				164
1987				33	171	180	248	212	160				168
1988				11	121	227	146	99	19				104
1989				0	21	151	170	117	90				91
1990				5	97	192	168	147	100				118
1991				0	103	213	270	220	116				154
1992				85	188	172	232	239	149				178
1993				26	198	237	223	229	172				181
1994				24	186	136	156	141	88				122
1995				27	108	241	294	232	162				177
1996				22	155	245	323	217	155				186
1997				27	202	129	290	227	160				173
1998				28	219	195	293	220	166				187
1999				88	128	226	301	244	145				189
2000				63	154	201	224	162	96				150
2001				7	127	110	102	39	8				65
Average				21	138	195	237	184	121	15			130

Notes:

- 1 Data from SEO Hydrographers Reports, USGS Gage Data and WRDS electronic data.
- 2 Monthly summaries are summarized from daily data. Missing readings interpolated from readings immediately before and after missing data.

DESCRIPTION AND OPERATION MEMORANDUM

CROXALL AND BROWN

USGS ID 44108 C3 USGS NAME WARDEL RESERVOIR

DIVERSION DESCRIPTION

One 4 1/2' wide sliding steel gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
N 27° 30', 836' from SW corner of Section 16, Township 51N, Range 96W, and is in the SW 1/4 SW 1/4 of Section 16.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 2.5 miles long with one major lateral approximately 4 1/4 miles long, serving approximately 1670 acres. Ditch capacity ~ 30 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
3/01/1887	Terr.	Irr.	1090.00	15.57		15.57	
10/31/1899	2337	Irr.	139.00	1.99		17.56	
5/23/1900	541E	Irr.	160.00	2.28		19.84	
7/20/1909	2148E	Irr.	275.00	3.92		23.76	

STORAGE RIGHTS

Sunshine Reservoirs, Greybull Valley Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced with some concrete lining and gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, corn, beans, pasture.

RETURN FLOWS

Minimal; 100% to Greybull River, some directly, some picked up in Fairview Canal.

OTHER OPERATIONAL INFORMATION

May receive some returns from Tatman – St. Joe ditch.

CONTACT INFORMATION

Antlers Ranch, Inc.
P.O. Box 156
Cody, WY
(307)868-9216

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	<p>5/2, 15.5 cfs; 5/3, 15.5 cfs; 5/4, 15.5 cfs; 5/5, 15.5 cfs; 5/6, 15.5 cfs; 5/7, 15.5 cfs; 5/8, 15.5 cfs; 5/9, 15.5 cfs; 5/10, 15.5 cfs; 5/11, 6 cfs; 5/12, 6 cfs; 5/13, 6 cfs; 5/14, 6 cfs; 5/15, 6 cfs; 5/16, 6 cfs; 5/17, 6 cfs; 5/18, 6 cfs; 5/19, 6 cfs; 5/20, 6 cfs; 5/21, 6 cfs; 5/22, 6 cfs; 5/23, 13.5 cfs; 5/24, 13.5 cfs; 5/25, 13.5 cfs; 5/26, 13.5 cfs; 5/27, 13.5 cfs; 5/28, 13.5 cfs; 5/29, 13.5 cfs; 5/30, 16 cfs; 5/31, 16 cfs; 6/1, 16 cfs; 6/2, 16 cfs; 6/3, 16 cfs; 6/4, 16 cfs; 6/5, 16 cfs; 6/6, 16 cfs; 6/7, 16 cfs; 6/8, 16 cfs; 6/9, 16 cfs; 6/10, 19.5 cfs; 6/11, 19.5 cfs; 6/12, 19.5 cfs; 6/13, 19.5 cfs; 6/14, 19.5 cfs; 6/15, 19.5 cfs; 6/16, 13.5 cfs; 6/17, 13.5 cfs; 6/18, 13.5 cfs; 6/19, 13.5 cfs; 6/20, 13.5 cfs; 6/21, 13.5 cfs; 6/22, 13.5 cfs; 6/23, 13.5 cfs; 6/24, 20 cfs; 6/25, 20 cfs; 6/26, 20 cfs; 6/27, 20 cfs; 6/28, 20 cfs; 6/29, 20 cfs; 6/30, 20 cfs; 7/1, 20 cfs; 7/2, 20 cfs; 7/3, 20 cfs; 7/4, 20 cfs; 7/5, 20 cfs; 7/6, 20 cfs; 7/7, 20 cfs; 7/8, 20 cfs; 7/9, 20 cfs; 7/10, 20 cfs; 7/11, 20 cfs; 7/12, 20 cfs;</p> <p>7/13, 20 cfs; 7/14, 20 cfs; 7/15, 20 cfs; 7/16, 20 cfs; 7/17, 20 cfs; 7/18, 20 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 18 cfs; 7/22, 18 cfs; 7/23, 18 cfs; 7/24, 18 cfs; 7/25, 12 cfs; 7/26, 12 cfs; 7/27, 12 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 12 cfs; 7/31, 12 cfs; 8/1, 12 cfs; 8/2, 12 cfs; 8/3, 12 cfs; 8/4, 13.5 cfs; 8/5, 13.5 cfs; 8/6, 13.5 cfs; 8/7, 13.5 cfs; 8/8, 12 cfs; 8/9, 17 cfs; 8/10, 17 cfs; 8/11, 17 cfs; 8/12, 17 cfs; 8/13, 17 cfs; 8/14, 17 cfs; 8/15, 17 cfs; 8/16, 17 cfs; 8/17, 17 cfs; 8/18, 17 cfs; 8/19, 17 cfs; 8/20, 17 cfs; 8/21, 17 cfs; 8/22, 17 cfs; 8/23, 17 cfs; 8/24, 17 cfs; 8/25, 17 cfs; 8/26, 17 cfs; 8/27, 17 cfs; 8/28, 17 cfs; 8/29, 17 cfs; 8/30, 17 cfs; 8/31, 17 cfs; 9/1, 17 cfs; 9/2, 17 cfs; 9/3, 17 cfs; 9/4, 17 cfs</p>
1984	<p>5/9, 7.5 cfs; 5/10, 7.5 cfs; 5/11, 7.5 cfs; 5/12, 7.5 cfs; 5/13, 10 cfs; 5/14, 10 cfs; 5/15, 10 cfs; 5/16, 10 cfs; 5/17, 10 cfs; 5/18, 10 cfs; 5/19, 10 cfs; 5/20, 10 cfs; 5/21, 10 cfs; 5/22, 10 cfs; 5/23, 15 cfs; 5/24, 15 cfs; 5/25, 15 cfs; 5/26, 15 cfs; 5/27, 15 cfs; 5/28, 15 cfs; 5/29, 15 cfs; 5/30, 15 cfs; 5/31, 15 cfs; 6/1, 15 cfs; 6/2, 15 cfs; 6/3, 15.5 cfs; 6/4, 15.5 cfs; 6/5, 15.5 cfs; 6/6, 15.5 cfs; 6/7, 15.5 cfs; 6/8, 15.5 cfs; 6/9, 15.5 cfs; 6/10, 15.5 cfs; 6/11, 15.5 cfs; 6/12, 15.5 cfs; 6/13, 15.5 cfs; 6/14, 15.5 cfs; 6/15, 15.5 cfs; 6/16, 15.5 cfs; 6/17, 15.5 cfs; 6/18, 15.5 cfs; 6/19, 18.5 cfs; 6/20, 18.5 cfs; 6/21, 18.5 cfs; 6/22, 18.5 cfs; 6/23, 18.5 cfs; 6/24, 18.5 cfs; 6/25, 18.5 cfs; 6/26, 18.5 cfs; 6/27, 18.5 cfs; 6/28, 18.5 cfs; 6/29, 18.5 cfs; 6/30, 18.5 cfs; 7/1, 18.5 cfs; 7/2, 18.5 cfs; 7/3, 18.5 cfs; 7/4, 15.5 cfs; 7/5, 15.5 cfs; 7/6, 15.5 cfs; 7/7, 15.5 cfs; 7/8, 15.5 cfs; 7/9, 15.5 cfs; 7/10, 15.5 cfs; 7/11, 15.5 cfs; 7/12, 15.5 cfs; 7/13, 16 cfs; 7/14, 16 cfs; 7/15, 18.5 cfs;</p> <p>7/16, 18.5 cfs; 7/17, 18.5 cfs; 7/18, 18.5 cfs; 7/19, 18.5 cfs; 7/20, 18.5 cfs; 7/21, 18.5 cfs; 7/22, 18.5 cfs; 7/23, 18.5 cfs; 7/24, 18.5 cfs; 7/25, 18.5 cfs; 7/26, 18.5 cfs; 7/27, 18.5 cfs; 7/28, 18.5 cfs; 7/29, 18.5 cfs; 7/30, 18.5 cfs; 7/31, 18.5 cfs; 8/1, 18.5 cfs; 8/2, 18.5 cfs; 8/3, 18.5 cfs; 8/4, 18.5 cfs; 8/5, 18.5 cfs; 8/6, 18.5 cfs; 8/7, 18.5 cfs; 8/8, 18.5 cfs; 8/9, 18.5 cfs; 8/10, 18.5 cfs; 8/11, 18.5 cfs; 8/12, 18.5 cfs; 8/13, 18.5 cfs; 8/14, 10 cfs; 8/15, 10 cfs; 8/16, 10 cfs; 8/17, 10 cfs; 8/18, 10 cfs; 8/19, 10 cfs; 8/20, 10 cfs; 8/21, 15.5 cfs; 8/22, 15.5 cfs; 8/23, 15.5 cfs; 8/24, 15.5 cfs; 8/25, 15.5 cfs</p>
1985	<p>5/19, 16 cfs; 5/20, 16 cfs; 5/21, 16 cfs; 5/22, 16 cfs; 5/23, 16 cfs; 5/24, 16 cfs; 5/25, 16 cfs; 5/26, 16 cfs; 5/27, 16 cfs; 5/28, 11.5 cfs; 5/29, 11.5 cfs; 5/30, 11.5 cfs; 5/31, 11.5 cfs; 6/1, 11.5 cfs; 6/2, 15.5 cfs; 6/3, 15.5 cfs; 6/4, 15.5 cfs; 6/5, 15.5 cfs; 6/6, 15.5 cfs; 6/7, 15.5 cfs; 6/8, 18 cfs; 6/9, 20 cfs; 6/10, 20 cfs; 6/11, 20 cfs; 6/12, 16 cfs; 6/13, 16 cfs; 6/14, 16 cfs; 6/15, 20 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 11.5 cfs; 6/24, 11.5 cfs; 6/25, 11.5 cfs; 6/26, 11.5 cfs; 6/27, 11.5 cfs; 6/28, 11.5 cfs; 6/29, 11.5 cfs; 6/30, 15.5 cfs; 7/1, 15.5 cfs; 7/2, 15.5 cfs; 7/3, 15.5 cfs; 7/4, 15.5 cfs; 7/5, 15.5 cfs; 7/6, 15.5 cfs; 7/7, 15.5 cfs; 7/8, 15.5 cfs; 7/9, 18 cfs; 7/10, 18 cfs; 7/11, 20 cfs; 7/12, 15.5 cfs; 7/13, 15.5 cfs; 7/14, 15.5 cfs; 7/15, 15.5 cfs; 7/16, 15.5 cfs; 7/17, 16 cfs; 7/18, 16 cfs; 7/19, 16 cfs; 7/20, 16 cfs; 7/21, 16 cfs; 7/22, 16 cfs; 7/23, 16 cfs; 7/24, 16 cfs; 7/25, 15 cfs; 7/26, 15 cfs; 7/27, 15 cfs;</p> <p>7/28, 15.5 cfs; 7/29, 15.5 cfs; 7/30, 15.5 cfs; 7/31, 13.5 cfs; 8/1, 13.5 cfs; 8/2, 13.5 cfs; 8/3, 13.5 cfs; 8/4, 15 cfs; 8/5, 15 cfs; 8/6, 15 cfs; 8/7, 15 cfs; 8/8, 15 cfs; 8/9, 15 cfs; 8/10, 15 cfs; 8/11, 15 cfs; 8/12, 15 cfs; 8/13, 15 cfs; 8/14, 15 cfs; 8/15, 15 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 15 cfs; 8/21, 14 cfs; 8/22, 14 cfs; 8/23, 14 cfs; 8/24, 14 cfs; 8/25, 14.5 cfs; 8/26, 14.5 cfs; 8/27, 14.5 cfs; 8/28, 14.5 cfs; 8/29, 14.5 cfs; 8/30, 14.5 cfs; 8/31, 18.5 cfs; 9/1, 18.5 cfs; 9/2, 18.5 cfs; 9/3, 18.5 cfs; 9/4, 14.5 cfs; 9/5, 14.5 cfs; 9/6, 14.5 cfs; 9/7, 14.5 cfs; 9/8, 14.5 cfs; 9/9, 14.5 cfs; 9/10, 14.5 cfs; 9/11, 14.5 cfs; 9/12, 14.5 cfs; 9/13, 14.5 cfs; 9/14, 14.5 cfs; 9/15, 14.5 cfs</p>
1986	<p>5/14, 10 cfs; 5/15, 10 cfs; 5/16, 10 cfs; 5/17, 10 cfs; 5/18, 10 cfs; 5/19, 10.5 cfs; 5/20, 10.5 cfs; 5/21, 10.5 cfs; 5/22, 10.5 cfs; 5/23, 15 cfs; 5/24, 15 cfs; 5/25, 15 cfs; 5/26, 20 cfs; 5/27, 20 cfs; 5/28, 20 cfs; 5/29, 22 cfs; 5/30, 22 cfs; 5/31, 22 cfs; 6/1, 22 cfs; 6/2, 22 cfs; 6/3, 22 cfs; 6/4, 22 cfs; 6/5, 22 cfs; 6/6, 22 cfs; 6/7, 22 cfs; 6/8, 22 cfs; 6/9, 22 cfs; 6/10, 22 cfs; 6/11, 22 cfs; 6/12, 15 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 15 cfs; 6/24, 15 cfs; 6/25, 15 cfs; 6/26, 15 cfs; 6/27, 15 cfs; 6/28, 15 cfs; 6/29, 15 cfs; 6/30, 15.1 cfs; 7/1, 15.1 cfs; 7/2, 15.1 cfs; 7/3, 15.1 cfs; 7/4, 15.1 cfs; 7/5, 15.1 cfs; 7/6, 15.1 cfs; 7/7, 15.1 cfs; 7/8, 15.1 cfs; 7/9, 20.3 cfs; 7/10, 20.3 cfs; 7/11, 20.3 cfs; 7/12, 20.3 cfs; 7/13, 20.3 cfs; 7/14, 20.3 cfs; 7/15, 20.3 cfs; 7/16, 20.3 cfs; 7/17, 20.3 cfs; 7/18, 20.3 cfs; 7/19, 20.3 cfs; 7/20, 20.3 cfs; 7/21, 16 cfs; 7/22, 16 cfs;</p> <p>7/23, 16 cfs; 7/24, 16 cfs; 7/25, 16 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 16 cfs; 7/29, 16 cfs; 7/30, 16 cfs; 7/31, 16 cfs; 8/1, 16 cfs; 8/2, 16 cfs; 8/3, 16 cfs; 8/4, 16 cfs; 8/5, 16 cfs; 8/6, 16 cfs; 8/7, 20.1 cfs; 8/8, 20.1 cfs; 8/9, 20.1 cfs; 8/10, 20.1 cfs; 8/11, 20.1 cfs; 8/12, 20.1 cfs; 8/13, 15 cfs; 8/14, 15 cfs; 8/15, 15 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 15 cfs; 8/21, 15 cfs; 8/22, 15 cfs; 8/23, 15 cfs; 8/24, 15 cfs; 8/25, 15 cfs; 8/26, 15 cfs; 8/27, 15 cfs; 8/28, 15 cfs; 8/29, 15 cfs; 8/30, 15 cfs; 8/31, 15 cfs; 9/2, 15 cfs; 9/3, 15 cfs; 9/4, 17 cfs; 9/5, 12.5 cfs; 9/6, 12.5 cfs; 9/7, 12.5 cfs; 9/8, 12.6 cfs; 9/9, 12.6 cfs; 9/10, 12.6 cfs; 9/11, 12.6 cfs; 9/12, 10 cfs; 9/13, 10 cfs; 9/14, 10 cfs; 9/15, 10 cfs; 9/16, 10 cfs; 9/17, 10 cfs; 9/18, 10 cfs; 9/19, 10 cfs; 9/20, 10 cfs; 9/21, 10 cfs; 9/22, 10 cfs; 9/23, 10 cfs; 9/24, 10 cfs; 9/25, 7.5 cfs; 9/26, 7.5 cfs; 9/28, 7.5 cfs; 9/29, 4.1 cfs</p>
1995	<p>4/26, 8 cfs; 5/3, 7 cfs; 5/4, 11 cfs; 5/9, 13 cfs; 5/11, 13 cfs; 5/12, 12 cfs; 5/13, Off; 5/17, 10 cfs; 5/22, 12 cfs; 5/23, 12 cfs; 5/24, 6 cfs; 6/1, 16 cfs; 6/7, 25 cfs; 6/9, 24 cfs; 6/13, 16 cfs; 6/15, 24 cfs; 6/16, 24 cfs; 6/22, 14 cfs; 6/28, 21 cfs; 7/6, 21 cfs; 7/26, 26 cfs; 8/3, 22 cfs; 8/4, 22 cfs; 8/5, 22 cfs; 8/8, 15 cfs; 8/9, 15 cfs; 8/11, 15 cfs; 8/17, 19 cfs; 8/23, 15 cfs; 9/1, 16 cfs; 9/6, 16 cfs; 9/14, 14 cfs; 9/22, 9 cfs</p>
1996	<p>4/23, 4 cfs; 4/30, 8 cfs; 5/6, 4 cfs; 5/7, 4 cfs; 5/8, 4 cfs; 5/12, 17 cfs; 5/23, 19 cfs; 5/29, 6 cfs; 5/31, 8 cfs; 6/13, 22 cfs; 6/21, 22 cfs; 6/26, 15 cfs; 7/3, 30 cfs; 7/10, 22 cfs; 7/22, 21 cfs; 7/24, 22 cfs; 7/31, 14 cfs; 8/8, 17 cfs; 8/12, 16 cfs; 8/14, 16 cfs; 8/21, 13 cfs; 8/28, 14 cfs; 9/5, 21 cfs; 9/10, 15 cfs; 9/17, 15 cfs; 9/23, 8 cfs</p>
1997	<p>5/6, Off; 5/8, 10 cfs; 5/14, 7 cfs; 5/21, 51 cfs; 5/27, 16 cfs; 6/5, 24 cfs; 6/8, Off; 6/15, Off; 6/26, 19 cfs; 7/3, 16 cfs; 7/7, 17 cfs; 7/24, 26 cfs; 7/31, 25 cfs; 8/7, 21 cfs; 8/11, 24 cfs; 8/22, 16 cfs; 8/27, 11 cfs; 9/4, 11 cfs; 9/12, 22 cfs; 9/16, 24 cfs; 9/25, Off</p>

1998	4/9, Off; 4/20, Off; 5/1, 12 cfs; 5/6, 24 cfs; 5/14, 19 cfs; 5/19, 26 cfs; 5/26, 16 cfs; 6/4, 15 cfs; 6/11, 25 cfs; 6/17, 11 cfs; 6/25, 11 cfs; 7/2, 14 cfs; 7/9, 31 cfs; 7/16, 27 cfs; 7/23, 19 cfs; 7/30, 21 cfs; 8/6, 6 cfs; 8/13, 19 cfs; 8/20, 21 cfs; 8/27, 22 cfs; 9/4, 21 cfs; 9/11, 13 cfs; 9/16, Off; 9/23, Off; 9/25, 5 cfs; 9/30, Off
1999	4/5, 8 cfs; 4/7, 6 cfs; 4/14, 16 cfs; 4/21, 12 cfs; 4/23, 15 cfs; 4/30, 19 cfs; 5/3, Off; 5/5, 8 cfs; 5/11, 3 cfs; 5/14, Off; 5/21, Off; 5/28, 14 cfs; 6/4, 18 cfs; 6/8, 9 cfs; 6/17, 11 cfs; 6/25, 19 cfs; 6/30, 19 cfs; 7/9, 26 cfs; 7/14, 26 cfs; 7/23, 26 cfs; 7/29, 31 cfs; 8/4, 18 cfs; 8/12, 14 cfs; 8/18, 21 cfs; 8/26, 16 cfs; 9/9, 13 cfs; 9/15, 3 cfs; 9/23, 9 cfs; 9/28, Off; 9/30, Off
2000	
2001	5/3, 8.11 cfs; 5/10, 13.31 cfs; 5/18, 13.55 cfs; 5/22, 13.31 cfs; 6/1, 15 cfs; 6/7, 11.47 cfs; 6/12, 14.95 cfs; 6/19, 13.55 cfs; 6/25, 14.76 cfs; 7/2, 12.61 cfs; 7/11, 13.79 cfs; 7/16, 14.03 cfs; 7/26, 13.79 cfs; 7/30, 11.25 cfs; 8/7, 11.47 cfs; 8/13, 13.55 cfs; 8/22, 11.7 cfs; 8/28, 3.92 cfs; 9/4, 4.22 cfs; 9/10, 5.19 cfs; 9/18, 5.36 cfs; 9/26, 7.15 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.

DESCRIPTION AND OPERATION MEMORANDUM

BUTTE CANAL

USGS ID 44109 A1 USGS NAME SUNSHINE RESERVOIR

DIVERSION DESCRIPTION

One 7' wide sliding metal screw type gate in concrete headwall, rock diversion dam.

DIVERSION LOCATION

Source: Greybull River
N 29° W, 2710' from the SE corner Section 28, Township 48N. Range 102W, and is in the NE 1/4 SE 1/4 of Section 28.

CONVEYANCE DESCRIPTION

Open ditch, approximately 8 miles long, estimated capacity - 30 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/21/1901	3021	Irr.	312.00	4.46		4.46	
8/25/1904	6238 7903	Irr.,Dom.	1310.00	18.70		23.16	
12/17/1904	1304E	Irr.	26.00	0.37		23.53	
8/05/1907	1738E	Irr.	209.00	2.98		26.51	
2/25/1908	1828E	Irr.	210.00	3.00		29.51	
5/20/1919	4005E	Irr.	84.00	1.20		30.71	
6/03/1954	5888E	Irr.	33.00	0.47		31.18	

STORAGE RIGHTS

Sunshine Reservoirs, Greybull Valley Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 15% at peak.

IRRIGATION PRACTICES

Serves 2,089 irrigated acres and 7 users. Short Growing season.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, lawn and garden.

RETURN FLOWS

100% to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Allen Hogg
11 Road 5WT
Meeteese, WY 82433
(307)868-9250

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	<p>6/8, 29.7 cfs; 6/9, 29.7 cfs; 6/10, 29.7 cfs; 6/11, 30.98 cfs; 6/12, 30.98 cfs; 6/13, 30.98 cfs; 6/14, 30.98 cfs; 6/15, 32.27 cfs; 6/16, 30.34 cfs; 6/17, 30.34 cfs; 6/18, 30.34 cfs; 6/19, 30.34 cfs; 6/20, 30.98 cfs; 6/21, 30.98 cfs; 6/22, 32.27 cfs; 6/23, 32.27 cfs; 6/24, 32.27 cfs; 6/25, 30.34 cfs; 6/26, 30.34 cfs; 6/27, 30.34 cfs; 6/28, 21.05 cfs; 6/29, 21.05 cfs; 6/30, 21.05 cfs; 7/1, 19.95 cfs; 7/2, 19.95 cfs; 7/3, 19.95 cfs; 7/4, 19.95 cfs; 7/5, 19.95 cfs; 7/6, 16 cfs; 7/7, 16 cfs; 7/8, 16 cfs; 7/9, 15.75 cfs; 7/10, 15.75 cfs; 7/11, 16 cfs; 7/12, 16 cfs; 7/13, 13.31 cfs; 7/14, 13.31 cfs; 7/15, 13.31 cfs; 7/16, 13.31 cfs; 7/17, 13.31 cfs; 7/18, 13.31 cfs; 7/19, 13.31 cfs; 7/20, 13.31 cfs; 7/21, 16 cfs; 7/22, 16 cfs; 7/23, 16 cfs; 7/24, 16 cfs; 7/25, 16 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 16 cfs; 7/29, 15.75 cfs; 7/30, 15.75 cfs; 7/31, 15.75 cfs; 8/1, 15.75 cfs; 8/2, 15.75 cfs; 8/3, 16 cfs; 8/4, 16 cfs; 8/5, 16 cfs; 8/6, 16 cfs; 8/7, 16 cfs; 8/8, 16 cfs; 8/9, 16 cfs; 8/10, 15.5 cfs; 8/11, 15.5 cfs; 8/12, 15.5 cfs;</p> <p>8/13, 15.5 cfs; 8/14, 15.5 cfs; 8/15, 15.5 cfs; 8/16, 4.07 cfs; 8/17, 4.07 cfs; 8/18, 4.07 cfs; 8/19, 4.07 cfs; 8/20, 4.07 cfs; 8/21, 4.07 cfs; 8/22, 4.07 cfs; 8/23, 4.07 cfs; 8/24, 4.07 cfs; 8/25, 4.07 cfs; 8/26, 4.07 cfs; 8/27, 4.07 cfs; 8/28, 4.07 cfs; 8/29, 4.07 cfs; 8/30, 4.07 cfs; 9/5, 3.77 cfs; 9/6, 3.77 cfs; 9/7, 3.77 cfs; 9/8, 3.77 cfs; 9/9, 3.77 cfs; 9/10, 3.77 cfs; 9/11, 3.77 cfs; 9/12, 3.77 cfs; 9/13, 3.77 cfs; 9/14, 3.77 cfs; 9/15, 3.62 cfs; 9/16, 3.62 cfs; 9/17, 8.11 cfs; 9/18, 8.11 cfs; 9/19, 8.11 cfs; 9/20, 8.11 cfs; 9/21, 8.11 cfs; 9/22, 8.11 cfs</p>
1984	<p>6/2, 6.05 cfs; 6/3, 6.05 cfs; 6/5, 18.6 cfs; 6/6, 18.6 cfs; 6/7, 18.6 cfs; 6/8, 18.6 cfs; 6/9, 18.6 cfs; 6/10, 18.6 cfs; 6/11, 18.6 cfs; 6/12, 18.6 cfs; 6/13, 18.6 cfs; 6/14, 18.6 cfs; 6/15, 18.6 cfs; 6/16, 18.6 cfs; 6/17, 18.6 cfs; 6/18, 20.22 cfs; 6/19, 20.22 cfs; 6/20, 20.22 cfs; 6/21, 18.33 cfs; 6/22, 18.33 cfs; 6/23, 18.33 cfs; 6/24, 18.33 cfs; 6/25, 18.33 cfs; 6/26, 18.33 cfs; 6/27, 19.67 cfs; 6/28, 19.67 cfs; 6/29, 19.67 cfs; 6/30, 19.67 cfs; 7/1, 19.67 cfs; 7/2, 19.67 cfs; 7/3, 19.13 cfs; 7/4, 19.13 cfs; 7/5, 19.13 cfs; 7/6, 19.13 cfs; 7/7, 18.33 cfs; 7/8, 18.33 cfs; 7/9, 18.33 cfs; 7/17, 6.05 cfs; 7/18, 6.05 cfs; 7/19, 6.05 cfs; 7/20, 6.05 cfs; 7/21, 6.05 cfs; 7/22, 6.05 cfs; 7/23, 6.05 cfs; 7/24, 8.11 cfs; 7/25, 6.59 cfs; 7/26, 6.59 cfs; 7/27, 8.11 cfs; 7/28, 8.11 cfs; 7/29, 8.11 cfs; 7/30, 5.03 cfs; 7/31, 5.03 cfs; 8/1, 5.03 cfs; 8/2, 5.03 cfs; 8/3, 5.03 cfs; 8/4, 5.03 cfs; 8/5, 5.03 cfs; 8/6, 5.03 cfs; 8/7, 5.03 cfs; 8/8, 5.03 cfs; 8/9, 5.03 cfs; 8/10, 5.03 cfs; 8/11, 5.03 cfs; 8/12, 5.03 cfs; 8/13, 5.03 cfs;</p> <p>8/14, 2.52 cfs; 8/15, 2.52 cfs; 8/16, 2.52 cfs; 8/17, 2.52 cfs; 8/18, 2.52 cfs; 8/19, 2.52 cfs; 8/20, 2.52 cfs; 8/21, 2.52 cfs; 9/14, 4.07 cfs; 9/15, 4.07 cfs; 9/16, 4.07 cfs; 9/17, 4.07 cfs; 9/18, 4.07 cfs</p>
1985	<p>6/24, 16 cfs; 6/25, 16 cfs; 6/26, 24.2 cfs; 6/27, 24.2 cfs; 6/28, 24.2 cfs; 6/29, 24.2 cfs; 6/30, 24.2 cfs; 7/1, 14.03 cfs; 7/2, 14.03 cfs; 7/3, 14.03 cfs; 7/4, 14.03 cfs; 7/5, 14.03 cfs; 7/6, 14.03 cfs; 7/7, 14.03 cfs; 7/8, 8.11 cfs; 7/9, 8.11 cfs; 7/10, 8.11 cfs; 7/11, 8.11 cfs; 7/12, 8.11 cfs; 7/13, 8.11 cfs; 7/14, 8.11 cfs; 7/15, 8.11 cfs; 7/16, 8.11 cfs; 7/17, 8.11 cfs; 7/18, 8.11 cfs; 7/19, 8.11 cfs; 7/20, 9.53 cfs; 7/21, 9.53 cfs; 7/22, 14.03 cfs; 7/23, 14.03 cfs; 7/24, 14.03 cfs; 7/25, 14.03 cfs; 7/26, 4.07 cfs; 7/27, 4.07 cfs; 7/28, 4.07 cfs; 7/29, 4.07 cfs; 7/30, 4.07 cfs; 7/31, 4.07 cfs; 8/1, 4.07 cfs; 8/2, 4.07 cfs; 8/3, 4.07 cfs; 8/4, 4.07 cfs; 8/5, 4.07 cfs; 8/6, 4.07 cfs; 8/7, 4.07 cfs; 8/8, 4.07 cfs; 8/9, 3.48 cfs; 9/20, 4.86 cfs</p>
1986	<p>5/28, 25.09 cfs; 5/29, 25.09 cfs; 5/30, 25.09 cfs; 5/31, 32.27 cfs; 6/1, 32.27 cfs; 6/2, 32.27 cfs; 6/3, 32.27 cfs; 6/4, 32.27 cfs; 6/5, 32.27 cfs; 6/6, 34.59 cfs; 6/7, 34.59 cfs; 6/8, 34.59 cfs; 6/9, 34.59 cfs; 6/10, 33.26 cfs; 6/11, 33.26 cfs; 6/12, 34.92 cfs; 6/13, 34.92 cfs; 6/14, 34.92 cfs; 6/15, 34.92 cfs; 6/16, 34.92 cfs; 6/17, 34.92 cfs; 6/18, 33.59 cfs; 6/19, 33.59 cfs; 6/20, 32.6 cfs; 6/21, 32.6 cfs; 6/22, 32.6 cfs; 6/23, 31.62 cfs; 6/24, 31.62 cfs; 6/25, 31.62 cfs; 6/26, 31.62 cfs; 6/27, 33.26 cfs; 6/28, 33.26 cfs; 6/29, 33.26 cfs; 6/30, 33.26 cfs; 7/1, 33.26 cfs; 7/2, 33.26 cfs; 7/3, 33.26 cfs; 7/4, 33.26 cfs; 7/5, 33.59 cfs; 7/6, 33.59 cfs; 7/7, 30.34 cfs; 7/8, 30.34 cfs; 7/9, 30.34 cfs; 7/10, 26.29 cfs; 7/11, 26.29 cfs; 7/12, 26.29 cfs; 7/13, 26.29 cfs; 7/14, 25.99 cfs; 7/15, 25.99 cfs; 7/16, 25.99 cfs; 7/17, 25.99 cfs; 7/18, 23.91 cfs; 7/19, 23.91 cfs; 7/20, 23.91 cfs; 7/21, 17.02 cfs; 7/22, 17.02 cfs; 7/23, 13.55 cfs; 7/24, 13.55 cfs; 7/25, 13.55 cfs; 7/26, 3.05 cfs; 7/27, 3.05 cfs;</p> <p>7/28, 3.05 cfs; 7/29, 3.05 cfs; 7/30, 3.05 cfs; 7/31, 3.05 cfs; 8/1, 3.05 cfs; 8/14, 4.07 cfs; 8/15, 7.01 cfs; 8/16, 7.01 cfs; 8/17, 7.01 cfs; 8/18, 9.95 cfs; 8/19, 9.95 cfs; 8/20, 11.99 cfs; 8/21, 11.99 cfs; 8/22, 14.03 cfs; 8/23, 11.03 cfs; 8/24, 11.03 cfs; 8/25, 11.03 cfs; 8/26, 7.53 cfs; 9/3, 9.95 cfs; 9/4, 9.95 cfs; 9/5, 9.95 cfs; 9/6, 9.95 cfs; 9/7, 9.95 cfs; 9/8, 9.95 cfs; 9/9, 9.95 cfs; 9/10, 9.95 cfs; 9/11, 9.95 cfs; 9/12, 9.95 cfs; 9/13, 9.95 cfs; 9/14, 9.95 cfs; 9/22, 9.95 cfs; 9/23, 9.11 cfs; 9/24, 9.11 cfs; 9/25, 9.11 cfs; 9/26, 8.31 cfs; 9/27, 8.31 cfs; 9/28, 8.31 cfs</p>
1995	<p>8/2, 6 cfs; 8/4, 6 cfs; 8/7, 11.25 cfs; 8/14, 11.25 cfs; 8/28, 10.16 cfs; 9/7, 6 cfs; 9/19, Off; 9/25, Off; 9/26, Off</p>
1996	<p>5/20, Off; 5/21, 6.23 cfs; 5/28, Off; 5/29, 6.23 cfs; 6/3, 10.16 cfs; 6/4, 16 cfs; 6/10, 33.59 cfs; 6/18, 33.59 cfs; 6/25, 33.59 cfs; 7/3, 33.59 cfs; 7/10, 10 cfs; 7/16, 11.25 cfs; 7/24, 6.86 cfs; 7/31, 6.86 cfs; 8/14, 10 cfs; 8/22, 9 cfs; 8/27, Off; 9/4, Off</p>
1997	<p>5/28, 16 cfs; 7/9, 2 cfs; 7/10, Off; 7/29, 4.05 cfs; 8/20, Off; 8/29, Off; 9/3, Off; 9/12, 2 cfs; 9/18, Off; 9/30, Off</p>
1998	<p>3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/27, 19.95 cfs; 6/10, 16 cfs; 6/22, 15 cfs; 6/30, 16 cfs; 7/8, 5 cfs; 7/15, Off; 7/24, Off; 8/7, 3 cfs; 8/11, 5.03 cfs; 8/17, 5.36 cfs; 9/3, Off; 9/10, Off; 9/15, Off; 9/29, Off</p>
1999	<p>6/1, 5 cfs; 6/7, 10 cfs; 6/15, 15 cfs; 7/1, 10 cfs; 7/8, 10 cfs; 7/13, 15 cfs; 7/28, Off; 8/18, 15 cfs; 8/23, 13.86 cfs; 8/30, 15 cfs</p>
2000	<p>5/24, 5.36 cfs; 6/10, 20 cfs; 7/20, Off; 7/31, 3 cfs; 8/13, 10.16 cfs; 8/29, 10 cfs; 9/7, 10 cfs; 9/14, 3 cfs</p>
2001	<p>3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 10 cfs; 6/11, 5 cfs; 6/19, 4 cfs; 6/27, 4 cfs; 7/2, 2 cfs; 7/18, 2 cfs; 7/23, Off; 7/28, Off; 8/2, Off; 8/5, 2.3 cfs; 8/8, 2.39 cfs; 8/11, 7.15 cfs; 8/14, 2.39 cfs; 8/17, 9 cfs; 8/20, 6 cfs; 8/28, 6 cfs</p>

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.

DESCRIPTION AND OPERATION MEMORANDUM

CHEESEMAN DITCH

USGS ID 44108 C7 USGS NAME SLEEPERS RANCH

DIVERSION DESCRIPTION

One 3 1/2' sliding metal screw type headgate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
N 34° 0' E, 1430' from corner no.2 of Tract 85, Township 49N, Range 99W, and in Tract 44, Township 49N, Range 99W.

CONVEYANCE DESCRIPTION

Open dirt ditch 3 1/2 miles with enlargement adding another 2 miles of ditch, serving approximately 600 acres, ditch capacity ~ 12 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
5/01/1887	Terr.	Irr.	147.00	2.10		2.10	
1/17/1899	395E	Irr.	120.00	1.71		3.81	
9/18/1899	461E	Irr.	128.00	1.82		5.63	
2/03/1903	983E	Irr.	189.00	2.07		7.70	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 15% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, occasional small grains.

RETURN FLOWS

100% to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

George Brown (Hunt Oil Co.)
Cody, WY
(307)587-6223

PHOTO LOG

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

DIVERSION RECORD

Year	Measured Data
1983	6/9, 8.96 cfs; 6/10, 8.96 cfs; 6/11, 8.46 cfs; 6/12, 8.46 cfs; 6/13, 8.46 cfs; 6/14, 8.46 cfs; 6/15, 8.46 cfs; 6/16, 9.13 cfs; 6/17, 9.13 cfs; 6/18, 9.13 cfs; 6/19, 9.13 cfs; 6/20, 8.79 cfs; 6/21, 8.79 cfs; 6/22, 12 cfs; 6/23, 12 cfs; 6/24, 12 cfs; 6/25, 12 cfs; 6/26, 12 cfs; 6/27, 12 cfs; 6/28, 12 cfs; 6/29, 12 cfs; 6/30, 11.81 cfs; 7/1, 11.81 cfs; 7/2, 11.81 cfs; 7/3, 11.81 cfs; 7/4, 11.81 cfs; 7/5, 11.81 cfs; 7/6, 13.93 cfs; 7/7, 13.93 cfs; 7/8, 13.93 cfs; 7/9, 11.63 cfs; 7/10, 11.63 cfs; 7/11, 11.63 cfs; 7/12, 11.63 cfs; 7/13, 11.63 cfs; 7/14, 11.63 cfs; 7/15, 11.07 cfs; 7/16, 11.07 cfs; 7/17, 11.07 cfs; 7/18, 12.38 cfs; 7/19, 12.38 cfs; 7/20, 12.38 cfs; 7/21, 12.38 cfs; 7/22, 12.38 cfs; 7/23, 12.38 cfs; 7/24, 12.38 cfs; 7/25, 13.15 cfs; 7/26, 13.15 cfs; 7/27, 13.15 cfs; 7/28, 13.15 cfs; 7/29, 13.15 cfs; 7/30, 12.76 cfs; 7/31, 12.76 cfs; 8/1, 12.76 cfs; 8/2, 11.63 cfs; 8/3, 11.63 cfs; 8/4, 11.63 cfs; 8/5, 11.63 cfs; 8/6, 11.63 cfs; 8/7, 11.63 cfs; 8/8, 11.63 cfs; 8/9, 11.63 cfs; 8/10, 11.63 cfs;
	8/11, 11.63 cfs; 8/12, 11.63 cfs; 8/13, 11.63 cfs; 8/14, 11.63 cfs; 8/15, 11.63 cfs; 8/16, 11.63 cfs; 8/17, 10.17 cfs; 8/18, 10.17 cfs; 8/19, 10.17 cfs; 8/20, 10.17 cfs; 8/21, 10.17 cfs; 8/22, 10.17 cfs; 8/23, 8.63 cfs; 8/24, 8.63 cfs; 8/25, 8.63 cfs; 9/15, 8.46 cfs; 9/16, 8.46 cfs; 9/17, 8.46 cfs; 9/18, 8.46 cfs; 9/19, 7.65 cfs; 9/20, 7.65 cfs; 9/21, 7.65 cfs; 9/22, 5.11 cfs; 9/23, 5.11 cfs; 9/24, 5.11 cfs; 9/25, 5.11 cfs; 9/26, 5.11 cfs; 9/27, 5.11 cfs; 9/28, 5.11 cfs; 9/29, 5.11 cfs; 9/30, 4.05 cfs; 10/1, 4.05 cfs; 10/2, 4.05 cfs
1984	5/21, 4.31 cfs; 5/22, 4.31 cfs; 5/23, 6.41 cfs; 5/24, 6.41 cfs; 5/25, 5.82 cfs; 5/26, 5.82 cfs; 5/27, 5.82 cfs; 5/28, 5.82 cfs; 5/29, 5.82 cfs; 5/30, 5.82 cfs; 5/31, 5.82 cfs; 6/1, 5.82 cfs; 6/2, 5.82 cfs; 6/3, 5.82 cfs; 6/4, 5.82 cfs; 6/5, 14.33 cfs; 6/6, 14.33 cfs; 6/7, 14.33 cfs; 6/8, 14.53 cfs; 6/9, 14.53 cfs; 6/10, 14.53 cfs; 6/11, 14.53 cfs; 6/12, 14.53 cfs; 6/13, 8.46 cfs; 6/14, 8.46 cfs; 6/15, 8.46 cfs; 6/19, 5.82 cfs; 6/20, 5.82 cfs; 6/21, 5.82 cfs; 6/22, 12.95 cfs; 6/23, 12.95 cfs; 6/24, 12.95 cfs; 6/25, 12.95 cfs; 6/26, 12.95 cfs; 6/27, 12.95 cfs; 6/28, 12.95 cfs; 6/29, 12.95 cfs; 6/30, 12.95 cfs; 7/1, 12.95 cfs; 7/2, 12.95 cfs; 7/3, 10.53 cfs; 7/4, 10.53 cfs; 7/5, 10.17 cfs; 7/6, 10.17 cfs; 7/7, 10.17 cfs; 7/8, 10.17 cfs; 7/9, 8.79 cfs; 7/10, 8.79 cfs; 7/11, 8.63 cfs; 7/12, 8.63 cfs; 7/13, 8.63 cfs; 7/14, 8.63 cfs; 7/15, 8.63 cfs; 7/16, 8.63 cfs; 7/17, 8.63 cfs; 7/18, 8.63 cfs; 7/19, 8.63 cfs; 7/20, 8.63 cfs; 7/21, 8.63 cfs; 7/22, 8.63 cfs; 7/23, 8.46 cfs; 7/24, 8.63 cfs; 7/25, 8.63 cfs;
	7/26, 8.63 cfs; 7/27, 8.63 cfs; 7/28, 8.63 cfs; 7/29, 8.63 cfs; 7/30, 13.54 cfs; 7/31, 13.54 cfs; 8/1, 13.54 cfs; 8/2, 13.54 cfs; 8/3, 13.54 cfs; 8/4, 13.54 cfs; 8/5, 13.54 cfs; 8/6, 13.54 cfs; 8/7, 13.54 cfs; 8/8, 11.26 cfs; 8/9, 11.26 cfs; 8/10, 11.26 cfs; 8/11, 12.38 cfs; 8/12, 12.38 cfs; 8/13, 10.89 cfs; 8/14, 10.89 cfs; 8/15, 10.89 cfs; 8/16, 10.89 cfs; 8/17, 12 cfs; 8/18, 12 cfs; 8/19, 12 cfs; 8/20, 9.13 cfs; 8/21, 9.13 cfs; 8/22, 9.13 cfs; 8/23, 6.56 cfs; 8/24, 6.56 cfs; 8/25, 6.56 cfs; 8/26, 6.56 cfs; 8/27, 4.04 cfs; 8/28, 4.04 cfs; 8/29, 3.8 cfs; 8/30, 3.8 cfs; 8/31, 2.64 cfs; 9/1, 2.64 cfs; 9/2, 2.64 cfs; 9/3, 2.64 cfs; 9/4, 2.64 cfs; 9/5, 1.54 cfs; 9/6, 1.54 cfs; 9/7, 6.11 cfs; 9/8, 6.11 cfs; 9/9, 6.11 cfs; 9/10, 5.82 cfs; 9/11, 5.82 cfs; 9/12, 11.07 cfs; 9/13, 10.53 cfs; 9/14, 10.53 cfs; 9/15, 8.13 cfs; 9/16, 8.13 cfs; 9/17, 8.13 cfs; 9/18, 5.53 cfs; 9/19, 5.53 cfs; 9/20, 5.53 cfs; 9/21, 5.53 cfs; 9/22, 4.31 cfs; 9/23, 4.31 cfs; 9/24, 4.31 cfs
1985	6/24, 7.17 cfs; 6/25, 7.17 cfs; 6/26, 6.56 cfs; 6/27, 6.56 cfs; 6/28, 9.3 cfs; 6/29, 9.3 cfs; 6/30, 9.3 cfs; 7/1, 7.17 cfs; 7/2, 7.17 cfs; 7/3, 7.17 cfs; 7/4, 7.17 cfs; 7/5, 7.17 cfs; 7/6, 7.17 cfs; 7/7, 7.17 cfs; 7/8, 6.56 cfs; 7/9, 6.86 cfs; 7/10, 6.86 cfs; 7/11, 7.17 cfs; 7/12, 7.17 cfs; 7/13, 7.17 cfs; 7/14, 7.17 cfs; 7/15, 7.17 cfs; 7/16, 7.17 cfs; 7/17, 7.17 cfs; 7/18, 7.17 cfs; 7/19, 7.17 cfs; 7/20, 7.17 cfs; 7/21, 7.17 cfs; 7/22, 9.13 cfs; 7/23, 9.13 cfs; 7/24, 9.13 cfs; 7/25, 9.13 cfs; 7/26, 9.13 cfs; 7/27, 8.46 cfs; 7/28, 8.46 cfs; 7/29, 12.19 cfs; 7/30, 12.19 cfs; 7/31, 12.19 cfs; 8/1, 12.19 cfs; 8/2, 12.19 cfs; 8/3, 12.19 cfs; 8/4, 12.19 cfs; 8/5, 12.19 cfs; 8/6, 12.19 cfs; 8/7, 7.17 cfs; 8/8, 7.17 cfs; 8/9, 7.17 cfs; 8/10, 7.17 cfs; 8/11, 7.17 cfs; 8/12, 7.17 cfs; 8/13, 7.17 cfs; 8/14, 7.17 cfs; 8/15, 6.86 cfs; 8/16, 7.17 cfs; 8/17, 7.17 cfs; 8/18, 7.17 cfs; 8/19, 7.02 cfs; 8/20, 7.02 cfs; 8/21, 7.17 cfs; 8/22, 7.17 cfs; 8/23, 7.17 cfs; 8/24, 7.17 cfs; 8/25, 7.17 cfs; 8/26, 5.82 cfs;
	8/27, 5.53 cfs; 8/28, 5.53 cfs; 8/29, 5.53 cfs; 8/30, 5.53 cfs; 8/31, 5.53 cfs; 9/1, 5.53 cfs; 9/2, 5.53 cfs; 9/3, 5.53 cfs; 9/4, 5.53 cfs; 9/5, 5.53 cfs; 9/6, 5.53 cfs; 9/7, 5.53 cfs; 9/8, 5.53 cfs; 9/9, 5.53 cfs; 9/10, 5.39 cfs; 9/11, 5.39 cfs; 9/12, 5.39 cfs; 9/13, 5.53 cfs; 9/14, 5.53 cfs; 9/15, 5.53 cfs; 9/16, 5.53 cfs; 9/17, 4.57 cfs; 9/18, 4.57 cfs; 9/19, 4.44 cfs; 9/20, 4.44 cfs; 9/21, 3.2 cfs; 9/22, 3.2 cfs; 9/23, 4.57 cfs; 9/24, 2.11 cfs; 9/25, 2.11 cfs; 9/26, 2.01 cfs; 9/27, 2.01 cfs; 9/28, 2.01 cfs; 9/29, 2.01 cfs
1986	5/19, 2.11 cfs; 5/20, 2.11 cfs; 5/21, 12.76 cfs; 5/22, 12.76 cfs; 5/23, 12.19 cfs; 5/24, 12.19 cfs; 5/25, 12.19 cfs; 5/26, 12.19 cfs; 5/27, 12.19 cfs; 5/28, 14.94 cfs; 5/29, 14.94 cfs; 5/30, 14.94 cfs; 5/31, 14.94 cfs; 6/1, 14.94 cfs; 6/2, 17.02 cfs; 6/3, 17.02 cfs; 6/4, 17.02 cfs; 6/5, 11.44 cfs; 6/6, 11.44 cfs; 6/7, 11.44 cfs; 6/8, 11.44 cfs; 6/9, 15.55 cfs; 6/10, 15.55 cfs; 6/11, 15.55 cfs; 6/12, 15.55 cfs; 6/13, 15.97 cfs; 6/14, 15.97 cfs; 6/15, 15.97 cfs; 6/16, 14.33 cfs; 6/17, 14.33 cfs; 6/18, 14.33 cfs; 6/19, 12.95 cfs; 6/20, 12.95 cfs; 6/21, 12.95 cfs; 6/22, 12.95 cfs; 6/23, 12.57 cfs; 6/24, 12.57 cfs; 6/25, 12.57 cfs; 6/26, 12.57 cfs; 6/27, 12.57 cfs; 6/28, 13.93 cfs; 6/29, 13.93 cfs; 6/30, 13.93 cfs; 7/1, 13.93 cfs; 7/2, 13.93 cfs; 7/3, 14.13 cfs; 7/4, 14.13 cfs; 7/5, 14.13 cfs; 7/6, 14.13 cfs; 7/7, 7.65 cfs; 7/8, 7.65 cfs; 7/9, 7.65 cfs; 7/10, 7.65 cfs; 7/11, 7.65 cfs; 7/12, 7.65 cfs; 7/13, 7.65 cfs; 7/14, 7.65 cfs; 7/15, 7.65 cfs; 7/16, 6.56 cfs; 7/17, 6.56 cfs; 7/18, 6.56 cfs; 7/19, 6.56 cfs;
	7/20, 6.56 cfs; 7/21, 6.11 cfs; 7/22, 6.56 cfs; 7/23, 6.56 cfs; 7/24, 6.86 cfs; 7/25, 6.86 cfs; 7/26, 2.11 cfs; 7/27, 2.11 cfs; 7/28, 12.19 cfs; 7/29, 12.19 cfs; 7/30, 12.19 cfs; 7/31, 12.19 cfs; 8/1, 12.19 cfs; 8/2, 12.19 cfs; 8/3, 12.19 cfs; 8/4, 11.07 cfs; 8/5, 11.07 cfs; 8/6, 11.07 cfs; 8/7, 9.65 cfs; 8/8, 9.65 cfs; 8/9, 7.81 cfs; 8/10, 7.81 cfs; 8/11, 12.19 cfs; 8/12, 12.19 cfs; 8/13, 11.26 cfs; 8/14, 11.26 cfs; 8/15, 7.17 cfs; 8/16, 7.17 cfs; 8/17, 7.17 cfs; 8/18, 12.19 cfs; 8/19, 12.19 cfs; 8/20, 12.19 cfs; 8/21, 12.19 cfs; 8/22, 8.96 cfs; 8/23, 8.96 cfs; 8/24, 8.96 cfs; 8/25, 8.13 cfs; 8/26, 8.13 cfs; 8/27, 2.11 cfs; 8/28, 2.11 cfs
1995	8/2, 6.86 cfs; 8/4, 12 cfs; 8/7, 13.39 cfs; 8/10, 13.39 cfs; 8/14, 13.39 cfs; 8/21, 16.38 cfs; 8/23, 13.93 cfs; 8/25, 13.93 cfs; 8/28, 13.93 cfs; 9/1, 12 cfs; 9/6, 7.81 cfs; 9/8, 7.81 cfs; 9/12, 4.05 cfs; 9/15, 5.39 cfs; 9/19, 6.86 cfs; 9/25, 5.39 cfs; 9/26, Off
1996	5/24, Off; 5/28, 4.57 cfs; 6/4, 16.17 cfs; 6/12, 15.97 cfs; 6/20, 15.97 cfs; 6/27, 15.97 cfs; 7/2, 13.93 cfs; 7/9, 11.63 cfs; 7/15, 12 cfs; 7/16, 18.1 cfs; 7/22, 18.1 cfs; 7/29, 15.14 cfs; 7/30, 15.97 cfs; 8/2, 14.37 cfs; 8/7, 5.01 cfs; 8/13, 17.23 cfs; 8/19, 18.1 cfs; 8/26, 12 cfs; 9/5, 4.05 cfs; 9/9, 8.46 cfs; 9/16, 8.46 cfs; 9/23, 10.17 cfs
1997	5/21, 4.05 cfs; 5/27, 12 cfs; 6/3, 12 cfs; 6/26, 4.05 cfs; 6/30, 7.49 cfs; 7/9, 4.05 cfs; 7/16, Off; 7/24, 3.56 cfs; 7/30, 4.71 cfs; 8/4, 1.82 cfs; 8/12, 8.46 cfs; 8/21, 4.05 cfs; 8/29, 9.48 cfs; 9/3, 9.48 cfs; 9/8, 9.48 cfs; 9/30, 0.96 cfs
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/13, 5.39 cfs; 5/25, 10.17 cfs; 6/9, 10.89 cfs; 6/16, 13.93 cfs; 6/23, 15.97 cfs; 6/29, 15.14 cfs; 7/7, 4.57 cfs; 7/14, 1.28 cfs; 7/21, 4.84 cfs; 8/4, 18.1 cfs; 8/10, 18.1 cfs; 8/21, 20.78 cfs; 8/24, 18.3 cfs; 8/31, 18.1 cfs; 9/9, 5.68 cfs; 9/14, 5.68 cfs; 9/28, Off
1999	6/1, Off; 6/7, Off; 6/28, 18.1 cfs; 7/8, 22.64 cfs; 7/16, 20.92 cfs; 7/21, 20.32 cfs; 7/27, 20.32 cfs; 8/2, 22.64 cfs; 8/9, 13.54 cfs; 8/18, 17.23 cfs; 8/23, 17.23 cfs; 8/30, 17.23 cfs
2000	5/24, 21.24 cfs; 6/11, 20.32 cfs; 7/12, 13.93 cfs; 7/19, 13.93 cfs; 8/1, 13.93 cfs; 8/11, 13.93 cfs; 8/15, 13.93 cfs; 8/21, 20.32 cfs; 8/28, 9.82 cfs; 9/6, 20.32 cfs; 9/13, 20.32 cfs

2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 10 cfs; 6/11, 8 cfs; 6/19, 4 cfs; 6/27, 8 cfs; 7/2, 8 cfs; 7/18, 7.81 cfs; 7/23, 7.81 cfs; 7/28, 3.44 cfs; 8/2, 4.05 cfs; 8/5, 7.81 cfs; 8/8, 7.81 cfs; 8/14, 7.81 cfs; 8/20, 7.81 cfs; 8/28, 7.81 cfs
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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.

DESCRIPTION AND OPERATION MEMORANDUM

COCKINS DITCH

USGS ID 44108 D1 USGS NAME GREYBULL SOUTH

DIVERSION DESCRIPTION

One 45" sliding metal screw type gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
S 46° 0' W, 1521' from SW corner of Section 3 (o.s.), now known as corner 8 of lot 45, Township 51N, Range 94W.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 4 miles long, serving approximately 900 acres, ditch capacity is approximately 20 c.f.s.
Seven major laterals.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
3/08/1877	Terr.	Irr.	102.00	1.45		1.45	
4/01/1888	Terr.	Irr.	112.00	1.60		3.05	
1/01/1889	Terr.	Irr.	30.00	0.42		3.47	
6/15/1900	546E	Irr.	531.00	7.57		11.04	
9/15/1911	2535E	Irr.	74.00	1.06		12.10	
4/22/1931	4752E	Irr.	11.00	0.16		12.26	

STORAGE RIGHTS

Sunshine Reservoir, Greybull Valley Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some gated pipe, some concrete lining, some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, pasture, beans, corn, lawns and gardens.

RETURN FLOWS

Minimal, 100% to Greybull River, some via Dorsey Creek.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Douglas Miller
3885 Road 24 1/2
Basin, WY
(307)568-2800

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	<p>4/25, 11 cfs; 4/26, 11 cfs; 4/27, 11 cfs; 4/28, 11 cfs; 4/29, 11 cfs; 4/30, 11 cfs; 5/1, 11 cfs; 5/2, 8 cfs; 5/3, 8 cfs; 5/4, 8 cfs; 5/5, 8 cfs; 5/6, 9 cfs; 5/7, 9 cfs; 5/8, 9 cfs; 5/9, 4.58 cfs; 5/10, 4.58 cfs; 5/23, 8 cfs; 5/24, 8 cfs; 5/25, 8 cfs; 5/26, 8 cfs; 5/27, 8 cfs; 5/28, 8 cfs; 5/29, 8 cfs; 5/30, 8 cfs; 5/31, 8 cfs; 6/1, 12 cfs; 6/2, 12 cfs; 6/3, 12 cfs; 6/4, 12 cfs; 6/5, 12 cfs; 6/6, 12 cfs; 6/7, 12 cfs; 6/8, 12 cfs; 6/9, 13 cfs; 6/10, 13 cfs; 6/11, 13 cfs; 6/12, 13 cfs; 6/13, 13 cfs; 6/14, 13 cfs; 6/15, 13 cfs; 6/16, 13 cfs; 6/17, 13 cfs; 6/18, 13 cfs; 6/19, 13 cfs; 6/20, 13 cfs; 6/21, 13 cfs; 6/22, 13 cfs; 6/23, 13 cfs; 6/24, 13 cfs; 6/25, 13 cfs; 6/26, 13 cfs; 6/27, 13 cfs; 6/28, 13 cfs; 6/29, 13 cfs; 6/30, 13 cfs; 7/1, 13 cfs; 7/2, 13 cfs; 7/3, 13 cfs; 7/4, 13 cfs; 7/5, 13 cfs; 7/6, 13 cfs; 7/7, 13 cfs; 7/8, 13 cfs; 7/9, 13 cfs; 7/10, 13 cfs; 7/11, 13 cfs; 7/12, 13 cfs; 7/13, 13 cfs; 7/14, 11 cfs; 7/15, 11 cfs; 7/16, 11 cfs; 7/17, 11 cfs; 7/18, 11 cfs; 7/19, 11 cfs; 7/20, 11 cfs; 7/21, 11 cfs; 7/22, 11 cfs;</p> <p>7/23, 11 cfs; 7/24, 11 cfs; 7/25, 11 cfs; 7/26, 11 cfs; 7/27, 11 cfs; 7/28, 11 cfs; 7/29, 11 cfs; 7/30, 11 cfs; 7/31, 11 cfs; 8/1, 11 cfs; 8/2, 11 cfs; 8/3, 8 cfs; 8/4, 8 cfs; 8/5, 8 cfs; 8/6, 8 cfs; 8/7, 8 cfs; 8/8, 8 cfs; 8/9, 8 cfs; 8/10, 8 cfs; 8/11, 8 cfs; 8/12, 8 cfs; 8/13, 8 cfs; 8/14, 8 cfs; 8/15, 8 cfs; 8/16, 8 cfs; 8/17, 8 cfs; 8/18, 8 cfs; 8/19, 8 cfs; 8/20, 8 cfs; 8/21, 8 cfs; 8/22, 8 cfs; 8/23, 8 cfs; 8/24, 8 cfs; 8/25, 8 cfs; 8/26, 8 cfs; 8/27, 8 cfs; 8/28, 8 cfs; 8/29, 8 cfs; 8/30, 8 cfs; 8/31, 8 cfs; 9/1, 10 cfs; 9/2, 10 cfs; 9/3, 10 cfs; 9/4, 10 cfs</p>
1984	<p>5/9, 6 cfs; 5/10, 6 cfs; 5/11, 6 cfs; 5/12, 6 cfs; 5/13, 10 cfs; 5/14, 10 cfs; 5/15, 10 cfs; 5/16, 10 cfs; 5/17, 10 cfs; 5/18, 10 cfs; 5/19, 10 cfs; 5/20, 10 cfs; 5/21, 10 cfs; 5/22, 10 cfs; 5/23, 10 cfs; 5/24, 10 cfs; 5/25, 10 cfs; 5/26, 10 cfs; 5/27, 10 cfs; 5/28, 10 cfs; 5/29, 10 cfs; 5/30, 10 cfs; 5/31, 10 cfs; 6/1, 10 cfs; 6/2, 10 cfs; 6/3, 11 cfs; 6/4, 11 cfs; 6/5, 11 cfs; 6/6, 11 cfs; 6/7, 11 cfs; 6/8, 11 cfs; 6/9, 11 cfs; 6/10, 11 cfs; 6/11, 13 cfs; 6/12, 13 cfs; 6/13, 13 cfs; 6/14, 13 cfs; 6/15, 13 cfs; 6/16, 13 cfs; 6/17, 13 cfs; 6/18, 13 cfs; 6/19, 13 cfs; 6/20, 13 cfs; 6/21, 13 cfs; 6/22, 13 cfs; 6/23, 13 cfs; 6/24, 13 cfs; 6/25, 13 cfs; 6/26, 10 cfs; 6/27, 10 cfs; 6/28, 10 cfs; 6/29, 10 cfs; 6/30, 10 cfs; 7/1, 10 cfs; 7/2, 10 cfs; 7/3, 10 cfs; 7/4, 10 cfs; 7/5, 11 cfs; 7/6, 11 cfs; 7/7, 11 cfs; 7/8, 11 cfs; 7/9, 11 cfs; 7/10, 11 cfs; 7/11, 10 cfs; 7/12, 10 cfs; 7/13, 10 cfs; 7/14, 10 cfs; 7/15, 10 cfs; 7/16, 10 cfs; 7/17, 10 cfs; 7/18, 10 cfs; 7/19, 10 cfs; 7/20, 10 cfs; 7/21, 10 cfs; 7/22, 10 cfs;</p> <p>7/23, 10 cfs; 7/24, 10 cfs; 7/25, 8 cfs; 7/26, 8 cfs; 7/27, 8 cfs; 7/28, 8 cfs; 7/29, 8 cfs; 7/30, 8 cfs; 7/31, 8 cfs; 8/1, 8 cfs; 8/2, 10 cfs; 8/3, 10 cfs; 8/4, 10 cfs; 8/5, 10 cfs; 8/6, 10 cfs; 8/7, 10 cfs; 8/8, 10 cfs; 8/9, 10 cfs; 8/10, 10 cfs; 8/11, 10 cfs; 8/12, 10 cfs; 8/13, 10 cfs; 8/14, 10 cfs; 8/15, 10 cfs; 8/16, 8 cfs; 8/17, 8 cfs; 8/18, 8 cfs; 8/19, 8 cfs; 8/20, 8 cfs; 8/21, 8 cfs; 8/22, 8 cfs; 8/23, 6 cfs; 8/24, 6 cfs; 8/25, 6 cfs</p>
1985	<p>5/19, 10 cfs; 5/20, 10 cfs; 5/21, 10 cfs; 5/22, 11 cfs; 5/23, 11 cfs; 5/24, 11 cfs; 5/25, 11 cfs; 5/26, 11 cfs; 5/27, 11 cfs; 5/28, 9 cfs; 5/29, 9 cfs; 5/30, 9 cfs; 5/31, 9 cfs; 6/1, 9 cfs; 6/2, 11 cfs; 6/3, 11 cfs; 6/4, 11 cfs; 6/5, 13 cfs; 6/6, 13 cfs; 6/7, 13 cfs; 6/8, 13 cfs; 6/9, 9.15 cfs; 6/10, 9.15 cfs; 6/11, 9.15 cfs; 6/12, 11.5 cfs; 6/13, 11.5 cfs; 6/14, 11.5 cfs; 6/15, 11.5 cfs; 6/16, 9.15 cfs; 6/17, 9.15 cfs; 6/18, 11 cfs; 6/19, 11 cfs; 6/20, 11 cfs; 6/21, 11 cfs; 6/22, 11 cfs; 6/23, 11 cfs; 6/24, 11 cfs; 6/25, 11 cfs; 6/26, 11 cfs; 6/30, 11 cfs; 7/1, 11 cfs; 7/2, 12 cfs; 7/3, 12 cfs; 7/4, 12 cfs; 7/5, 12 cfs; 7/6, 12 cfs; 7/7, 12 cfs; 7/8, 12 cfs; 7/9, 11 cfs; 7/10, 11 cfs; 7/11, 10 cfs; 7/12, 10 cfs; 7/13, 10 cfs; 7/14, 10.5 cfs; 7/15, 10.5 cfs; 7/16, 10.5 cfs; 7/17, 9 cfs; 7/18, 9 cfs; 7/19, 11 cfs; 7/20, 11 cfs; 7/21, 11 cfs; 7/22, 11 cfs; 7/23, 10.5 cfs; 7/24, 12 cfs; 7/25, 12 cfs; 7/26, 12 cfs; 7/27, 12 cfs; 7/28, 7 cfs; 7/29, 7 cfs; 7/30, 7 cfs; 7/31, 10.5 cfs; 8/1, 10.5 cfs; 8/2, 11 cfs; 8/3, 11 cfs; 8/4, 11 cfs;</p> <p>8/5, 11 cfs; 8/6, 11 cfs; 8/7, 11 cfs; 8/8, 11 cfs; 8/9, 11 cfs; 8/10, 11 cfs; 8/11, 11 cfs; 8/12, 11 cfs; 8/13, 11 cfs; 8/14, 9.2 cfs; 8/15, 9.2 cfs; 8/16, 9.2 cfs; 8/17, 9.2 cfs; 8/18, 9 cfs; 8/19, 9 cfs; 8/20, 9 cfs; 8/21, 9 cfs; 8/22, 10 cfs; 8/23, 10 cfs; 8/24, 10 cfs; 8/25, 10 cfs; 8/26, 10 cfs; 8/27, 10 cfs; 8/28, 10 cfs; 8/29, 10 cfs; 8/30, 10 cfs; 8/31, 10 cfs; 9/1, 10 cfs; 9/2, 10 cfs; 9/3, 10 cfs; 9/4, 10 cfs; 9/5, 10 cfs; 9/6, 10 cfs; 9/7, 10 cfs; 9/8, 10 cfs; 9/9, 10 cfs; 9/10, 10 cfs; 9/11, 10 cfs; 9/12, 10 cfs; 9/13, 10 cfs; 9/14, 10 cfs</p>
1986	<p>5/12, 6 cfs; 5/13, 6 cfs; 5/14, 6 cfs; 5/15, 6 cfs; 5/16, 6 cfs; 5/17, 6 cfs; 5/18, 6 cfs; 5/19, 6 cfs; 5/20, 6 cfs; 5/21, 9.15 cfs; 5/22, 9.1 cfs; 5/23, 9.1 cfs; 5/24, 13 cfs; 5/25, 13 cfs; 5/26, 10 cfs; 5/27, 10 cfs; 5/28, 10 cfs; 5/29, 12.7 cfs; 5/30, 12.7 cfs; 5/31, 12.7 cfs; 6/1, 17 cfs; 6/2, 17 cfs; 6/3, 17 cfs; 6/4, 17 cfs; 6/5, 17 cfs; 6/6, 17 cfs; 6/7, 15 cfs; 6/8, 15 cfs; 6/9, 15 cfs; 6/10, 15 cfs; 6/11, 15 cfs; 6/12, 15 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 15 cfs; 6/24, 15 cfs; 6/25, 15 cfs; 6/26, 15 cfs; 6/27, 13 cfs; 6/28, 13 cfs; 6/29, 13 cfs; 6/30, 15 cfs; 7/1, 15 cfs; 7/2, 15 cfs; 7/3, 15 cfs; 7/4, 13 cfs; 7/5, 13 cfs; 7/6, 13 cfs; 7/7, 13 cfs; 7/8, 13 cfs; 7/9, 13 cfs; 7/10, 11 cfs; 7/11, 11 cfs; 7/12, 11 cfs; 7/13, 11 cfs; 7/14, 11 cfs; 7/15, 11 cfs; 7/16, 11 cfs; 7/17, 11 cfs; 7/18, 11 cfs; 7/19, 11 cfs; 7/20, 11 cfs; 7/21, 11 cfs; 7/22, 11 cfs; 7/23, 11 cfs; 7/24, 10 cfs; 7/25, 10 cfs;</p> <p>7/26, 10 cfs; 7/27, 10 cfs; 7/28, 9.2 cfs; 7/29, 9.2 cfs; 7/30, 9.2 cfs; 7/31, 11 cfs; 8/1, 11 cfs; 8/2, 9.2 cfs; 8/3, 9.2 cfs; 8/4, 10 cfs; 8/5, 10 cfs; 8/6, 10 cfs; 8/7, 11 cfs; 8/8, 11 cfs; 8/9, 12.7 cfs; 8/10, 12.7 cfs; 8/11, 12.7 cfs; 8/12, 12.7 cfs; 8/13, 12.7 cfs; 8/14, 12.7 cfs; 8/15, 12.7 cfs; 8/16, 12.7 cfs; 8/17, 12.7 cfs; 8/18, 12.7 cfs; 8/19, 12.7 cfs; 8/20, 12.7 cfs; 8/21, 12.7 cfs; 8/22, 12.7 cfs; 8/23, 12.7 cfs; 8/24, 12.7 cfs; 8/25, 13 cfs; 8/26, 13 cfs; 8/27, 10 cfs; 8/28, 10 cfs; 8/29, 10 cfs; 8/30, 10 cfs; 8/31, 10 cfs; 9/2, 10 cfs; 9/3, 10 cfs; 9/4, 10 cfs; 9/5, 10 cfs; 9/6, 10 cfs; 9/7, 10 cfs; 9/8, 10 cfs; 9/9, 10 cfs; 9/10, 10 cfs; 9/11, 10 cfs; 9/12, 10 cfs; 9/13, 10 cfs; 9/14, 10 cfs; 9/15, 10 cfs; 9/16, 10 cfs; 9/17, 6 cfs; 9/18, 6 cfs; 9/19, 6 cfs; 9/20, 6 cfs; 9/21, 6 cfs; 9/22, 6 cfs; 9/23, 6 cfs; 9/24, 6 cfs; 9/25, 6 cfs</p>
1995	<p>4/26, 6 cfs; 5/5, 9 cfs; 5/10, 9 cfs; 5/12, 6 cfs; 5/19, 7 cfs; 5/26, 6 cfs; 6/8, 6 cfs; 6/13, 7 cfs; 6/16, Off; 6/23, 8 cfs; 6/29, 15 cfs; 7/6, 5 cfs; 7/26, 13 cfs; 8/4, 11 cfs; 8/11, 6 cfs; 8/17, 4 cfs; 8/24, 7 cfs; 8/28, 16 cfs; 9/6, 9 cfs; 9/14, 6 cfs; 9/22, 4 cfs; 9/29, 5 cfs</p>
1996	<p>5/16, 6 cfs; 5/23, 9 cfs; 5/30, 11 cfs; 6/6, 16 cfs; 6/12, Off; 6/17, 11 cfs; 6/27, 14 cfs; 7/3, 13 cfs; 7/11, 7 cfs; 7/18, 11 cfs; 7/25, 8 cfs; 8/1, Off; 8/9, 14 cfs; 8/15, 9 cfs; 8/23, 13 cfs; 8/28, 8 cfs; 9/5, 10 cfs; 9/12, 10 cfs; 9/19, Off; 9/26, Off</p>
1997	<p>5/10, 7 cfs; 5/15, 9 cfs; 5/22, 8 cfs; 5/28, 10 cfs; 6/5, 10 cfs; 6/8, Off; 6/15, Off; 6/27, Off; 7/3, Off; 7/13, Off; 7/18, 10 cfs; 7/25, 10 cfs; 7/31, 10 cfs; 8/8, 11 cfs; 8/14, 7 cfs; 8/22, 8 cfs; 8/29, 6 cfs; 9/4, 5 cfs; 9/11, 5 cfs; 9/18, 7 cfs; 9/26, 8 cfs; 9/30, 7 cfs</p>
1998	<p>4/10, Off; 4/24, Off; 5/1, Off; 5/8, 6 cfs; 5/15, 8 cfs; 5/22, 9 cfs; 5/29, 11 cfs; 6/5, 9 cfs; 6/12, 8 cfs; 6/19, 9 cfs; 6/26, 9 cfs; 7/2, 7 cfs; 7/10, 11 cfs; 7/17, 11 cfs; 7/24, 9 cfs; 7/31, 12 cfs; 8/7, 9 cfs; 8/13, 7 cfs; 8/20, 13 cfs; 8/28, 10 cfs; 9/4, 4 cfs; 9/11, 3 cfs; 9/18, Off; 9/25, Off; 9/30, Off</p>
1999	<p>4/5, Off; 4/16, Off; 4/21, 14 cfs; 4/30, Off; 5/14, 8 cfs; 5/21, 11 cfs; 5/27, Off; 6/4, 9 cfs; 6/7, 10 cfs; 6/18, 7 cfs; 6/24, 8 cfs; 7/2, 6 cfs; 7/9, 10 cfs; 7/16, 5 cfs; 7/23, 11 cfs; 7/30, 12 cfs; 8/6, 10 cfs; 8/13, 6 cfs; 8/20, 5 cfs; 8/27, 6 cfs; 9/3, 7 cfs; 9/10, 5 cfs; 9/17, 6 cfs; 9/24, 5 cfs; 9/30, 5 cfs</p>

2000	4/7, Off; 4/12, Off; 4/18, 4 cfs; 4/28, 7 cfs; 5/2, 27 cfs; 5/5, 11 cfs; 5/9, 8 cfs; 5/19, 7 cfs; 5/26, 10 cfs; 5/30, 10 cfs; 6/9, 10 cfs; 6/16, 8 cfs; 6/23, 9 cfs; 6/28, 16 cfs; 7/7, 9 cfs; 7/14, 12 cfs; 7/20, 12 cfs; 7/27, 12 cfs; 8/6, 10 cfs; 8/28, 20.32 cfs
2001	5/4, Off; 5/8, Off; 5/15, 2.97 cfs; 5/22, 8.49 cfs; 6/1, 8.49 cfs; 6/5, 6.09 cfs; 6/12, 5.26 cfs; 6/19, 9.43 cfs; 6/27, 10 cfs; 7/2, 5.74 cfs; 7/10, 6.61 cfs; 7/17, 5.58 cfs; 7/24, 4.6 cfs; 7/31, 4.14 cfs; 8/6, 4.92 cfs; 8/15, 4.11 cfs; 8/21, 4.44 cfs; 8/30, 1.49 cfs; 9/7, 0.52 cfs; 9/12, 2.71 cfs; 9/18, 2.57 cfs; 9/24, 2.71 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.

DESCRIPTION AND OPERATION MEMORANDUM

DODGE CANAL

USGS ID 44108 C6, 44108 C7 USGS NAME SHEETS FLAT, SLEEPERS RANCH

DIVERSION DESCRIPTION

One 4 1/2' sliding steel screwtype headgate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
S 14° 20' E, 785' from the closing corner on the east line of Tract 38 between Sections 29 and 32, Township 50N, Range 99W, and is in Tract 84.

CONVEYANCE DESCRIPTION

Open dirt ditch 3 1/2 miles long delivering to approximately 7000 acres. Ditch capacity ~ 32 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	Res.(af)	Cumulative Flow(cfs)	Comments
12/12/1892	377	Irr.	214.00	2.87		2.87	
5/01/1896	200E	Irr.	223.00	3.17		6.04	
12/12/1896	377	Irr.	13.00	0.19		6.23	
5/15/1905	1381E	Irr.	205.00	2.92		9.15	
6/28/1915	3296E	Irr.	46.50	0.66		9.81	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 15% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices. Some gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, small grains.

RETURN FLOWS

100% to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

George Brown (Hunt Oil Co.)
Cody, WY
(307) 587-6223

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	<p>6/2, 13.77 cfs; 6/3, 13.77 cfs; 6/4, 13.77 cfs; 6/5, 13.77 cfs; 6/6, 13.77 cfs; 6/7, 13.77 cfs; 6/8, 13.77 cfs; 6/9, 25.26 cfs; 6/10, 25.26 cfs; 6/11, 23.42 cfs; 6/12, 23.42 cfs; 6/13, 23.42 cfs; 6/14, 23.42 cfs; 6/15, 23.06 cfs; 6/16, 23.06 cfs; 6/17, 23.06 cfs; 6/18, 23.42 cfs; 6/19, 23.42 cfs; 6/20, 23.42 cfs; 6/21, 23.42 cfs; 6/22, 24.15 cfs; 6/23, 24.15 cfs; 6/24, 24.15 cfs; 6/25, 24.15 cfs; 6/26, 24.15 cfs; 6/27, 23.42 cfs; 6/28, 23.42 cfs; 6/29, 23.42 cfs; 6/30, 23.42 cfs; 7/1, 23.42 cfs; 7/2, 23.42 cfs; 7/3, 23.42 cfs; 7/4, 23.42 cfs; 7/5, 23.42 cfs; 7/6, 21.1 cfs; 7/7, 21.1 cfs; 7/8, 21.1 cfs; 7/9, 19.89 cfs; 7/10, 19.89 cfs; 7/11, 19.89 cfs; 7/12, 19.89 cfs; 7/13, 19.89 cfs; 7/14, 19.89 cfs; 7/15, 19.38 cfs; 7/16, 19.38 cfs; 7/17, 19.38 cfs; 7/18, 19.55 cfs; 7/19, 19.55 cfs; 7/20, 19.55 cfs; 7/21, 19.55 cfs; 7/22, 19.55 cfs; 7/23, 19.55 cfs; 7/24, 19.55 cfs; 7/25, 21.63 cfs; 7/26, 21.63 cfs; 7/27, 21.63 cfs; 7/28, 21.63 cfs; 7/29, 21.63 cfs; 7/30, 21.63 cfs; 7/31, 21.63 cfs; 8/1, 21.63 cfs;</p> <p>8/2, 17.87 cfs; 8/3, 17.87 cfs; 8/4, 17.87 cfs; 8/5, 17.87 cfs; 8/6, 17.87 cfs; 8/7, 17.87 cfs; 8/8, 17.87 cfs; 8/9, 18.54 cfs; 8/10, 18.54 cfs; 8/11, 18.54 cfs; 8/12, 18.54 cfs; 8/13, 18.54 cfs; 8/14, 18.54 cfs; 8/15, 18.54 cfs; 8/16, 18.54 cfs; 8/17, 10.48 cfs; 8/18, 10.48 cfs; 8/19, 10.48 cfs; 8/20, 10.48 cfs; 8/21, 10.48 cfs; 8/22, 10.48 cfs; 8/23, 7.75 cfs; 8/24, 7.75 cfs; 8/25, 7.75 cfs; 8/26, 7.75 cfs; 8/27, 7.75 cfs; 8/28, 7.75 cfs; 8/29, 5.23 cfs; 8/30, 7.75 cfs; 8/31, 7.75 cfs; 9/1, 7.75 cfs; 9/2, 7.75 cfs; 9/3, 7.75 cfs; 9/4, 7.75 cfs; 9/5, 7.75 cfs; 9/6, 7.75 cfs; 9/7, 7.75 cfs; 9/8, 4.81 cfs; 9/9, 4.81 cfs; 9/10, 4.81 cfs; 9/11, 4.81 cfs; 9/12, 4.81 cfs; 9/13, 4.81 cfs; 9/14, 4.81 cfs; 9/15, 8 cfs; 9/16, 8 cfs; 9/17, 8 cfs; 9/18, 8 cfs; 9/19, 8 cfs; 9/20, 8 cfs; 9/21, 8 cfs; 9/22, 2.24 cfs; 9/23, 2.24 cfs; 9/24, 2.24 cfs; 9/25, 2.24 cfs; 9/26, 2.24 cfs; 9/27, 2.24 cfs; 9/28, 2.24 cfs; 9/29, 5.99 cfs; 9/30, 5.99 cfs; 10/1, 5.99 cfs; 10/2, 5.99 cfs</p>
1984	<p>5/9, 0.99 cfs; 5/10, 7.15 cfs; 5/11, 7.15 cfs; 5/12, 6.79 cfs; 5/13, 6.79 cfs; 5/14, 6.79 cfs; 5/15, 6.79 cfs; 5/16, 5.73 cfs; 5/17, 5.73 cfs; 5/18, 12.16 cfs; 5/19, 12.16 cfs; 5/20, 12.16 cfs; 5/21, 12.16 cfs; 5/22, 11.45 cfs; 5/23, 11.45 cfs; 5/24, 11.45 cfs; 5/25, 17.71 cfs; 5/26, 17.71 cfs; 5/27, 17.71 cfs; 5/28, 17.71 cfs; 5/29, 17.71 cfs; 5/30, 17.71 cfs; 5/31, 17.71 cfs; 6/1, 17.71 cfs; 6/2, 17.71 cfs; 6/3, 17.71 cfs; 6/4, 17.01 cfs; 6/5, 16.73 cfs; 6/6, 16.73 cfs; 6/7, 16.73 cfs; 6/8, 16.89 cfs; 6/9, 10.76 cfs; 6/10, 10.76 cfs; 6/11, 10.76 cfs; 6/12, 10.26 cfs; 6/13, 8.12 cfs; 6/14, 8.12 cfs; 6/15, 8.12 cfs; 6/16, 3.08 cfs; 6/17, 3.08 cfs; 6/18, 3.08 cfs; 6/19, 11.73 cfs; 6/20, 11.73 cfs; 6/21, 11.73 cfs; 6/22, 17.71 cfs; 6/23, 17.71 cfs; 6/24, 17.71 cfs; 6/25, 19.21 cfs; 6/26, 19.21 cfs; 6/27, 19.21 cfs; 6/28, 18.54 cfs; 6/29, 18.54 cfs; 6/30, 18.54 cfs; 7/1, 18.54 cfs; 7/2, 16.09 cfs; 7/3, 16.09 cfs; 7/4, 16.09 cfs; 7/5, 15.78 cfs; 7/6, 15.78 cfs; 7/7, 15.78 cfs; 7/8, 15.78 cfs; 7/9, 22.34 cfs;</p> <p>7/10, 22.34 cfs; 7/11, 19.89 cfs; 7/12, 19.89 cfs; 7/13, 19.89 cfs; 7/14, 19.89 cfs; 7/15, 19.89 cfs; 7/16, 19.89 cfs; 7/17, 15.62 cfs; 7/18, 15.62 cfs; 7/19, 15.62 cfs; 7/20, 15.62 cfs; 7/21, 15.62 cfs; 7/22, 15.62 cfs; 7/23, 10.48 cfs; 7/24, 10.48 cfs; 7/25, 9.54 cfs; 7/26, 9.54 cfs; 7/27, 9.54 cfs; 7/28, 9.54 cfs; 7/29, 9.54 cfs; 7/30, 10.48 cfs; 7/31, 10.48 cfs; 8/1, 10.48 cfs; 8/2, 10.48 cfs; 8/3, 10.48 cfs; 8/4, 10.48 cfs; 8/5, 10.48 cfs; 8/6, 5.99 cfs; 8/7, 5.99 cfs; 8/8, 5.99 cfs; 8/9, 5.99 cfs; 8/10, 5.99 cfs; 8/11, 5.99 cfs; 8/12, 5.99 cfs; 8/13, 5.88 cfs; 8/14, 5.88 cfs; 8/15, 5.88 cfs; 8/16, 5.99 cfs; 8/17, 5.99 cfs; 8/18, 5.99 cfs; 8/19, 5.99 cfs; 8/20, 5.99 cfs; 8/21, 5.99 cfs; 8/22, 5.99 cfs; 8/23, 5.99 cfs; 8/24, 3.08 cfs; 8/25, 3.08 cfs; 8/26, 3.08 cfs; 8/27, 3.08 cfs; 8/28, 3.08 cfs; 8/29, 3.08 cfs; 8/30, 3.08 cfs; 8/31, 3.08 cfs; 9/1, 3.08 cfs; 9/2, 3.08 cfs; 9/3, 3.08 cfs; 9/4, 3.08 cfs; 9/5, 3.08 cfs; 9/6, 3.08 cfs; 9/7, 3.08 cfs; 9/8, 3.08 cfs; 9/9, 3.08 cfs; 9/10, 3.08 cfs; 9/11, 2.73 cfs;</p> <p>9/12, 2.73 cfs; 9/13, 2.73 cfs; 9/14, 2.73 cfs; 9/15, 2.73 cfs; 9/16, 2.73 cfs; 9/17, 2.73 cfs; 9/18, 3.08 cfs; 9/19, 3.08 cfs; 9/20, 12.01 cfs; 9/21, 12.01 cfs; 9/22, 12.01 cfs; 9/23, 12.01 cfs; 9/24, 12.01 cfs; 9/25, 1.11 cfs; 9/26, 1.11 cfs; 9/27, 1.11 cfs</p>
1985	<p>6/24, 9.01 cfs; 6/25, 9.01 cfs; 6/26, 4.1 cfs; 6/27, 4.1 cfs; 6/28, 11.59 cfs; 6/29, 11.59 cfs; 6/30, 11.59 cfs; 7/1, 8 cfs; 7/2, 8 cfs; 7/3, 8 cfs; 7/4, 8 cfs; 7/5, 8 cfs; 7/6, 8 cfs; 7/7, 8 cfs; 7/8, 9.01 cfs; 7/9, 9.01 cfs; 7/10, 9.01 cfs; 7/11, 9.01 cfs; 7/12, 9.01 cfs; 7/13, 9.01 cfs; 7/14, 9.01 cfs; 7/15, 8.88 cfs; 7/16, 8.88 cfs; 7/17, 8.88 cfs; 7/18, 8.88 cfs; 7/19, 9.8 cfs; 7/20, 9.8 cfs; 7/21, 9.8 cfs; 7/22, 14.08 cfs; 7/23, 14.08 cfs; 7/24, 14.08 cfs; 7/25, 14.08 cfs; 7/26, 14.08 cfs; 7/27, 14.08 cfs; 7/28, 14.08 cfs; 7/29, 14.08 cfs; 7/30, 14.08 cfs; 7/31, 14.08 cfs; 8/1, 14.08 cfs; 8/2, 14.08 cfs; 8/3, 14.08 cfs; 8/4, 14.08 cfs; 8/5, 14.08 cfs; 8/6, 14.08 cfs; 8/7, 11.47 cfs; 8/8, 10.07 cfs; 8/9, 10.07 cfs; 8/10, 10.07 cfs; 8/11, 10.07 cfs; 8/12, 4.01 cfs; 8/13, 4.01 cfs; 8/14, 4.01 cfs; 8/15, 6.45 cfs; 8/16, 6.45 cfs; 8/17, 6.45 cfs; 8/18, 6.45 cfs; 8/19, 6.45 cfs; 8/20, 6.45 cfs; 8/21, 6.33 cfs; 8/22, 6.33 cfs; 8/23, 5.66 cfs; 8/24, 5.66 cfs; 8/25, 5.66 cfs; 8/26, 5.66 cfs; 8/27, 5.66 cfs; 8/28, 8 cfs;</p> <p>8/29, 8 cfs; 8/30, 8 cfs; 8/31, 8 cfs; 9/1, 8 cfs; 9/2, 8 cfs; 9/3, 9.27 cfs; 9/4, 9.27 cfs; 9/5, 9.27 cfs; 9/6, 9.27 cfs; 9/7, 8.88 cfs; 9/8, 8.88 cfs; 9/9, 8.88 cfs; 9/10, 8.88 cfs; 9/11, 10.2 cfs; 9/12, 10.2 cfs; 9/13, 9.54 cfs; 9/14, 9.54 cfs; 9/15, 9.54 cfs; 9/16, 8.54 cfs; 9/17, 7.75 cfs; 9/18, 7.75 cfs; 9/19, 7.75 cfs; 9/20, 7.75 cfs; 9/21, 1.11 cfs; 9/22, 1.11 cfs</p>
1986	<p>5/5, 10.48 cfs; 5/6, 5.99 cfs; 5/7, 5.99 cfs; 5/8, 5.99 cfs; 5/9, 1.44 cfs; 5/10, 1.44 cfs; 5/11, 1.44 cfs; 5/12, 5.99 cfs; 5/13, 5.99 cfs; 5/14, 5.99 cfs; 5/15, 5.99 cfs; 5/16, 5.99 cfs; 5/17, 5.99 cfs; 5/18, 5.99 cfs; 5/19, 5.88 cfs; 5/20, 6.91 cfs; 5/21, 6.91 cfs; 5/22, 12.3 cfs; 5/23, 5.99 cfs; 5/24, 5.99 cfs; 5/25, 5.99 cfs; 5/26, 10.48 cfs; 5/27, 10.48 cfs; 5/28, 20.93 cfs; 5/29, 20.93 cfs; 5/30, 20.93 cfs; 5/31, 20.93 cfs; 6/1, 20.93 cfs; 6/2, 20.23 cfs; 6/3, 20.23 cfs; 6/4, 20.23 cfs; 6/5, 19.04 cfs; 6/6, 19.04 cfs; 6/7, 19.04 cfs; 6/8, 19.04 cfs; 6/9, 18.87 cfs; 6/10, 18.87 cfs; 6/11, 18.87 cfs; 6/12, 18.87 cfs; 6/13, 21.28 cfs; 6/14, 21.28 cfs; 6/15, 21.28 cfs; 6/16, 18.54 cfs; 6/17, 18.54 cfs; 6/18, 18.54 cfs; 6/19, 19.21 cfs; 6/20, 19.21 cfs; 6/21, 19.21 cfs; 6/22, 19.21 cfs; 6/23, 20.93 cfs; 6/24, 20.93 cfs; 6/25, 20.93 cfs; 6/26, 20.73 cfs; 6/27, 20.23 cfs; 6/28, 20.93 cfs; 6/29, 20.93 cfs; 6/30, 21.28 cfs; 7/1, 21.28 cfs; 7/2, 21.28 cfs; 7/3, 18.87 cfs; 7/4, 18.74 cfs; 7/5, 18.74 cfs; 7/6, 18.74 cfs;</p> <p>7/7, 11.59 cfs; 7/8, 11.59 cfs; 7/9, 11.59 cfs; 7/10, 11.59 cfs; 7/11, 15.15 cfs; 7/12, 15.15 cfs; 7/13, 15.15 cfs; 7/14, 15.15 cfs; 7/15, 15.15 cfs; 7/16, 15 cfs; 7/17, 15 cfs; 7/18, 15 cfs; 7/19, 12.59 cfs; 7/20, 12.59 cfs; 7/21, 12.88 cfs; 7/22, 12.88 cfs; 7/23, 12.88 cfs; 7/24, 10.48 cfs; 7/25, 10.48 cfs; 7/26, 10.07 cfs; 7/27, 10.07 cfs; 7/28, 10.07 cfs; 7/29, 9.27 cfs; 7/30, 9.27 cfs; 7/31, 9.27 cfs; 8/1, 9.27 cfs; 8/2, 9.27 cfs; 8/3, 9.27 cfs; 8/4, 10.07 cfs; 8/5, 10.07 cfs; 8/6, 10.07 cfs; 8/7, 7.03 cfs; 8/8, 7.03 cfs; 8/9, 7.03 cfs; 8/10, 7.03 cfs; 8/11, 7.03 cfs; 8/12, 7.03 cfs; 8/13, 11.03 cfs; 8/14, 11.03 cfs; 8/15, 11.03 cfs; 8/16, 11.03 cfs; 8/17, 11.03 cfs; 8/18, 11.03 cfs; 8/19, 11.03 cfs; 8/20, 10.89 cfs; 8/21, 10.89 cfs; 8/22, 10.89 cfs; 8/23, 9.01 cfs; 8/24, 9.01 cfs; 8/25, 8 cfs; 8/26, 11.03 cfs; 8/27, 11.03 cfs; 8/28, 11.03 cfs; 8/29, 11.03 cfs; 8/30, 11.03 cfs; 8/31, 11.03 cfs; 9/1, 11.03 cfs; 9/2, 11.03 cfs; 9/3, 11.03 cfs; 9/4, 10.61 cfs; 9/5, 10.61 cfs; 9/6, 7.03 cfs; 9/7, 7.03 cfs;</p> <p>9/8, 7.03 cfs; 9/9, 7.03 cfs; 9/10, 0.88 cfs</p>
1995	<p>8/2, 12 cfs; 8/4, 12 cfs; 8/7, 12 cfs; 8/10, 12 cfs; 8/14, 12 cfs; 8/21, 16.38 cfs; 8/23, 15.97 cfs; 8/25, 15.97 cfs; 8/28, 15.79 cfs; 9/1, 7.81 cfs; 9/6, 4.05 cfs; 9/8, 4.05 cfs; 9/12, 4.05 cfs; 9/15, 6.56 cfs; 9/19, 7.81 cfs; 9/25, Off; 9/26, Off</p>
1996	<p>5/13, Off; 5/14, 12 cfs; 5/20, 10.12 cfs; 5/23, 22.64 cfs; 5/28, 6.88 cfs; 6/7, 24 cfs; 6/10, 15.97 cfs; 6/17, 8.46 cfs; 6/24, 8.46 cfs; 7/2, 12 cfs; 7/9, 8.64 cfs; 7/15, 11.07 cfs; 7/16, 15.97 cfs; 7/22, 15.97 cfs; 7/29, 15.97 cfs; 7/30, 24.32 cfs; 8/2, 13.93 cfs; 8/7, 12 cfs; 8/13, 17.23 cfs; 8/19, 12 cfs; 8/26, 12 cfs; 9/5, 12 cfs; 9/9, 10.17 cfs; 9/16, 10.17 cfs; 9/23, Off</p>

1997	5/21, 22.64 cfs; 5/27, 19.87 cfs; 6/3, 22.64 cfs; 6/26, 7.49 cfs; 6/30, 13.15 cfs; 7/9, 17.23 cfs; 7/16, 11.26 cfs; 7/24, 10.53 cfs; 7/30, 7.65 cfs; 8/4, 8.31 cfs; 8/12, 7.91 cfs; 8/21, 2.42 cfs; 8/29, 3.56 cfs; 9/3, 3.56 cfs; 9/8, 3.56 cfs; 9/17, 9.13 cfs; 9/30, Off
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, 5.39 cfs; 5/13, 5.39 cfs; 5/25, 9.11 cfs; 6/9, Off; 6/16, Off; 6/23, 12.87 cfs; 6/29, 13.95 cfs; 7/7, 6.11 cfs; 7/14, 27.55 cfs; 7/21, 18.1 cfs; 8/4, 13.54 cfs; 8/10, 18.98 cfs; 8/18, 6.26 cfs; 8/24, 12 cfs; 8/31, 5 cfs; 9/9, 13.54 cfs; 9/14, 15.97 cfs; 9/28, Off
1999	6/1, 30 cfs; 6/7, 3.8 cfs; 6/15, 12 cfs; 6/22, Off; 6/28, Off; 7/8, Off; 7/16, 8.46 cfs; 7/21, 12.76 cfs; 7/27, 16.81 cfs; 8/2, 17.23 cfs; 8/9, 13.95 cfs; 8/18, 22.64 cfs; 8/23, 27.55 cfs; 8/30, 22.64 cfs
2000	5/24, 12 cfs; 6/11, 15.97 cfs; 7/12, 6.86 cfs; 7/19, 6.86 cfs; 8/1, 18.1 cfs; 8/11, 18.1 cfs; 8/15, 12 cfs; 8/21, 13.93 cfs; 8/28, 12 cfs; 9/6, 13.93 cfs; 9/13, 13.93 cfs
2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 12 cfs; 6/11, 9.48 cfs; 6/19, 5.08 cfs; 6/27, 5.08 cfs; 7/2, 6.11 cfs; 7/17, 3.05 cfs; 7/18, 5.11 cfs; 7/23, 4.84 cfs; 7/28, 4.84 cfs; 9/2, 8.13 cfs; 9/5, 5.11 cfs; 9/8, 4.84 cfs; 9/14, 9.13 cfs; 9/20, 9.13 cfs; 9/28, 6.05 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.

DESCRIPTION AND OPERATION MEMORANDUM

DYER DITCH

USGS ID 44108 C7 USGS NAME SLEEPERS RANCH

DIVERSION DESCRIPTION

One 6' sliding steel screw type headgate in concrete headwall, rock diversion.

DIVERSION LOCATION

Source: Greybull River

N 22° 45' W, 674' from center Section 13, Township 49N, Range 100W, and is in the SE 1/4 NW 1/4 Section 13 (Lot 68)

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 4 miles long, traverses rough country requiring approximately 75' of fluming, delivers to approximately 600 acres. Ditch capacity ~ 16 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
11/19/1900	2930	Irr.	60.00	0.86		0.86	
2/08/1905	1323E	Irr.	133.00	1.98		2.84	
6/01/1908	1881E	Irr.	381.00	5.43		8.27	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 15% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, occasional small grain, pasture.

RETURN FLOWS

All to Greybull River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

George Brown (Hunt Oil Co.)
Cody, WY
(307)587-6223

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	<p>6/2, 4.18 cfs; 6/3, 4.18 cfs; 6/4, 4.18 cfs; 6/5, 4.18 cfs; 6/6, 4.18 cfs; 6/7, 4.18 cfs; 6/8, 4.18 cfs; 6/9, 17.02 cfs; 6/10, 17.02 cfs; 6/11, 17.23 cfs; 6/12, 17.23 cfs; 6/13, 17.23 cfs; 6/14, 17.23 cfs; 6/15, 17.02 cfs; 6/16, 16.38 cfs; 6/17, 16.38 cfs; 6/18, 16.38 cfs; 6/19, 16.38 cfs; 6/20, 17.02 cfs; 6/21, 17.02 cfs; 6/22, 13.54 cfs; 6/23, 13.54 cfs; 6/24, 13.54 cfs; 6/25, 13.93 cfs; 6/26, 13.93 cfs; 6/27, 13.54 cfs; 6/28, 13.54 cfs; 6/29, 13.54 cfs; 6/30, 13.93 cfs; 7/1, 13.93 cfs; 7/2, 13.93 cfs; 7/3, 13.93 cfs; 7/4, 13.93 cfs; 7/5, 13.93 cfs; 7/6, 15.97 cfs; 7/7, 15.97 cfs; 7/8, 15.97 cfs; 7/9, 10.17 cfs; 7/10, 10.17 cfs; 7/11, 10.17 cfs; 7/12, 10.17 cfs; 7/13, 10.17 cfs; 7/14, 10.17 cfs; 7/15, 10 cfs; 7/16, 10 cfs; 7/17, 10 cfs; 7/18, 14.53 cfs; 7/19, 14.53 cfs; 7/20, 14.53 cfs; 7/21, 7.97 cfs; 7/22, 7.97 cfs; 7/23, 9.13 cfs; 7/24, 9.13 cfs; 7/25, 11.81 cfs; 7/26, 11.81 cfs; 7/27, 11.81 cfs; 7/28, 11.81 cfs; 7/29, 11.81 cfs; 7/30, 13.15 cfs; 7/31, 13.15 cfs; 8/1, 12.19 cfs; 8/2, 12.19 cfs;</p> <p>8/3, 12.19 cfs; 8/4, 12.19 cfs; 8/5, 12.19 cfs; 8/6, 16.17 cfs; 8/7, 16.17 cfs; 8/8, 12.19 cfs; 8/9, 11.44 cfs; 8/10, 11.44 cfs; 8/11, 11.44 cfs; 8/12, 11.44 cfs; 8/13, 11.44 cfs; 8/14, 11.44 cfs; 8/15, 11.44 cfs; 8/16, 11.44 cfs; 8/17, 11.26 cfs; 8/18, 11.26 cfs; 8/19, 8.13 cfs; 8/20, 8.13 cfs; 8/21, 8.13 cfs; 8/22, 8.13 cfs; 8/23, 5.11 cfs; 8/24, 5.11 cfs; 8/25, 5.11 cfs; 8/26, 4.71 cfs; 8/27, 4.71 cfs; 8/28, 4.71 cfs; 8/29, 4.71 cfs; 8/30, 4.71 cfs; 8/31, 4.71 cfs; 9/1, 4.71 cfs; 9/2, 4.71 cfs; 9/3, 4.71 cfs; 9/4, 4.71 cfs; 9/5, 4.71 cfs; 9/6, 10.17 cfs; 9/7, 10.17 cfs; 9/8, 10.17 cfs; 9/9, 10.17 cfs; 9/10, 10.17 cfs; 9/11, 10.17 cfs; 9/12, 10.17 cfs; 9/13, 10.17 cfs; 9/14, 14.33 cfs; 9/15, 14.33 cfs; 9/16, 15.14 cfs; 9/17, 16.17 cfs; 9/18, 16.17 cfs; 9/21, 2.01 cfs; 9/22, 2.01 cfs; 9/23, 6.56 cfs; 9/24, 6.56 cfs; 9/25, 6.56 cfs; 9/26, 6.56 cfs; 9/27, 5.39 cfs; 9/28, 5.39 cfs; 9/29, 5.39 cfs</p>
1984	<p>5/29, 12 cfs; 5/30, 12 cfs; 5/31, 12 cfs; 6/1, 12 cfs; 6/2, 12 cfs; 6/3, 12 cfs; 6/4, 12 cfs; 6/5, 11.81 cfs; 6/6, 15.97 cfs; 6/7, 15.97 cfs; 6/8, 16.38 cfs; 6/9, 16.17 cfs; 6/10, 16.17 cfs; 6/11, 12 cfs; 6/12, 12 cfs; 6/13, 12 cfs; 6/14, 12 cfs; 6/15, 12 cfs; 6/16, 13.34 cfs; 6/17, 13.34 cfs; 6/18, 13.34 cfs; 6/19, 13.34 cfs; 6/20, 13.34 cfs; 6/21, 13.34 cfs; 6/22, 10.53 cfs; 6/23, 10.53 cfs; 6/24, 10.53 cfs; 6/25, 13.54 cfs; 6/26, 13.54 cfs; 6/27, 13.54 cfs; 6/28, 14.95 cfs; 6/29, 14.95 cfs; 6/30, 14.95 cfs; 7/1, 14.95 cfs; 7/2, 14.95 cfs; 7/3, 14.95 cfs; 7/4, 14.95 cfs; 7/5, 13.73 cfs; 7/6, 13.73 cfs; 7/7, 13.73 cfs; 7/8, 13.73 cfs; 7/9, 14.73 cfs; 7/10, 14.73 cfs; 7/11, 13.54 cfs; 7/12, 13.54 cfs; 7/13, 13.54 cfs; 7/14, 16.59 cfs; 7/15, 16.59 cfs; 7/16, 20.78 cfs; 7/17, 23.6 cfs; 7/18, 18.1 cfs; 7/19, 18.1 cfs; 7/20, 12.57 cfs; 7/21, 12.57 cfs; 7/22, 12.57 cfs; 7/23, 12.57 cfs; 7/24, 12.57 cfs; 7/26, 4.05 cfs; 7/27, 4.05 cfs; 7/28, 4.05 cfs; 7/29, 4.05 cfs; 7/30, 4.05 cfs; 7/31, 4.05 cfs; 8/1, 4.05 cfs;</p> <p>8/2, 4.05 cfs; 8/3, 4.05 cfs; 8/4, 4.05 cfs; 8/5, 4.05 cfs; 8/6, 4.05 cfs; 8/7, 4.05 cfs; 8/8, 4.05 cfs; 8/9, 4.05 cfs; 8/10, 4.05 cfs; 8/11, 4.05 cfs; 8/12, 4.05 cfs; 8/13, 5.5 cfs; 8/14, 7.49 cfs; 8/15, 12 cfs; 8/16, 12 cfs; 8/17, 12 cfs; 8/18, 12 cfs; 8/19, 12 cfs; 8/20, 14.73 cfs; 8/21, 14.73 cfs; 8/22, 14.73 cfs; 8/27, 12 cfs; 8/28, 12 cfs; 8/29, 12 cfs; 8/30, 12 cfs; 8/31, 12 cfs; 9/1, 12 cfs; 9/2, 12 cfs; 9/3, 12 cfs; 9/4, 12 cfs; 9/5, 15.55 cfs; 9/6, 14.94 cfs; 9/7, 14.94 cfs; 9/8, 14.94 cfs; 9/9, 14.94 cfs; 9/10, 14.94 cfs; 9/11, 10 cfs; 9/12, 10 cfs; 9/13, 9.65 cfs; 9/14, 9.65 cfs; 9/15, 9.65 cfs; 9/16, 9.65 cfs; 9/17, 9.65 cfs; 9/18, 7.02 cfs; 9/19, 7.02 cfs; 9/20, 7.02 cfs; 9/21, 9.13 cfs; 9/22, 9.13 cfs; 9/23, 9.13 cfs; 9/24, 9.17 cfs; 9/25, 1.54 cfs; 9/26, 1.54 cfs; 9/27, 1.54 cfs</p>
1985	<p>6/24, 4.98 cfs; 6/25, 4.98 cfs; 6/29, 4.31 cfs; 6/30, 4.31 cfs; 7/3, 4.05 cfs; 7/4, 4.05 cfs; 7/5, 4.05 cfs; 7/6, 7.97 cfs; 7/7, 7.97 cfs; 7/8, 7.97 cfs; 7/9, 10 cfs; 7/10, 10 cfs; 7/11, 11.07 cfs; 7/12, 11.07 cfs; 7/13, 7.97 cfs; 7/14, 7.97 cfs; 7/15, 6.11 cfs; 7/16, 6.11 cfs; 7/17, 6.11 cfs; 7/18, 6.11 cfs; 7/19, 6.11 cfs; 7/20, 6.11 cfs; 7/21, 6.11 cfs; 7/22, 6.11 cfs; 7/23, 5.97 cfs; 7/24, 4.05 cfs; 7/25, 4.05 cfs; 7/26, 4.05 cfs; 7/27, 4.05 cfs; 7/28, 4.05 cfs; 7/29, 4.05 cfs; 7/30, 4.05 cfs; 7/31, 4.05 cfs; 8/1, 4.05 cfs; 8/2, 4.05 cfs; 8/3, 4.05 cfs; 8/4, 4.05 cfs; 8/6, 2.01 cfs; 8/7, 6.11 cfs; 8/8, 6.11 cfs; 8/9, 6.11 cfs; 8/10, 6.11 cfs; 8/11, 6.11 cfs; 8/12, 6.11 cfs; 8/13, 6.11 cfs; 8/14, 6.11 cfs; 8/15, 6.11 cfs; 8/16, 6.11 cfs; 8/17, 2.01 cfs; 8/18, 2.01 cfs; 8/19, 2.01 cfs; 8/20, 2.01 cfs; 8/21, 2.01 cfs; 8/22, 2.01 cfs</p>
1986	<p>5/21, 5.97 cfs; 5/22, 13.15 cfs; 5/23, 9.3 cfs; 5/24, 9.3 cfs; 5/25, 9.3 cfs; 5/26, 15.55 cfs; 5/27, 15.55 cfs; 5/28, 16.38 cfs; 5/29, 16.38 cfs; 5/30, 16.38 cfs; 5/31, 16.38 cfs; 6/1, 16.38 cfs; 6/2, 21.24 cfs; 6/3, 21.24 cfs; 6/4, 21.24 cfs; 6/5, 21.47 cfs; 6/6, 21.47 cfs; 6/7, 21.47 cfs; 6/8, 21.47 cfs; 6/9, 21.7 cfs; 6/10, 21.7 cfs; 6/11, 21.7 cfs; 6/12, 21.7 cfs; 6/13, 20.32 cfs; 6/14, 20.32 cfs; 6/15, 20.32 cfs; 6/16, 18.98 cfs; 6/17, 18.98 cfs; 6/18, 18.98 cfs; 6/19, 19.42 cfs; 6/20, 19.42 cfs; 6/21, 19.42 cfs; 6/22, 19.42 cfs; 6/23, 10.71 cfs; 6/24, 10.71 cfs; 6/25, 10.71 cfs; 6/26, 9.48 cfs; 6/27, 9.48 cfs; 6/28, 9.82 cfs; 6/29, 9.82 cfs; 6/30, 9.82 cfs; 7/1, 9.82 cfs; 7/2, 9.82 cfs; 7/3, 16.38 cfs; 7/4, 16.38 cfs; 7/5, 16.38 cfs; 7/6, 16.38 cfs; 7/7, 8.13 cfs; 7/8, 11.26 cfs; 7/9, 11.26 cfs; 7/10, 11.26 cfs; 7/11, 6.11 cfs; 7/12, 6.11 cfs; 7/13, 6.11 cfs; 7/14, 8.13 cfs; 7/15, 8.13 cfs; 7/16, 8.13 cfs; 7/17, 6.56 cfs; 7/18, 6.56 cfs; 7/19, 6.56 cfs; 7/20, 6.56 cfs; 7/21, 5.97 cfs; 7/22, 5.97 cfs;</p> <p>7/23, 5.97 cfs; 7/28, 2.01 cfs; 7/29, 2.01 cfs; 7/30, 10 cfs; 7/31, 10 cfs; 8/1, 10 cfs; 8/2, 10 cfs; 8/3, 10 cfs; 8/4, 10 cfs; 8/5, 10 cfs; 8/6, 9.82 cfs; 8/7, 9.82 cfs; 8/8, 15.97 cfs; 8/9, 13.93 cfs; 8/10, 13.93 cfs; 8/11, 20.1 cfs; 8/12, 20.1 cfs; 8/13, 18.54 cfs; 8/14, 18.54 cfs; 8/15, 10.275 cfs; 8/16, 9.515 cfs; 8/17, 17.02 cfs; 8/18, 11.07 cfs; 8/19, 7.97 cfs; 8/20, 7.97 cfs; 8/21, 7.97 cfs; 8/22, 7.97 cfs; 8/23, 7.97 cfs; 8/24, 7.97 cfs; 8/25, 7.02 cfs; 8/26, 7.02 cfs; 8/27, 7.02 cfs; 8/28, 7.02 cfs; 8/29, 4.05 cfs; 8/30, 4.05 cfs; 8/31, 4.05 cfs; 9/1, 4.05 cfs; 9/2, 4.05 cfs; 9/3, 4.05 cfs; 9/4, 3.08 cfs; 9/5, 3.08 cfs; 9/6, 4.05 cfs; 9/7, 4.05 cfs; 9/8, 4.05 cfs; 9/9, 4.05 cfs; 9/10, 4.05 cfs; 9/11, 4.05 cfs; 9/12, 2.01 cfs; 9/13, 2.01 cfs; 9/14, 2.01 cfs</p>
1995	<p>8/2, 12.5 cfs; 8/4, 18.1 cfs; 8/7, 18.1 cfs; 8/10, 12 cfs; 8/14, 12 cfs; 8/21, 12 cfs; 8/23, 13.93 cfs; 8/25, 13.93 cfs; 8/28, 13.93 cfs; 9/1, 7.81 cfs; 9/6, 10.17 cfs; 9/8, 10.17 cfs; 9/12, 4.05 cfs; 9/15, 2.86 cfs; 9/19, 3.56 cfs; 9/25, Off; 9/26, Off</p>
1996	<p>5/17, Off; 5/20, 12 cfs; 5/22, 13.93 cfs; 5/28, 10.17 cfs; 6/4, 14 cfs; 6/10, 15.14 cfs; 6/17, 20.32 cfs; 6/24, 20.32 cfs; 7/2, 15.97 cfs; 7/9, 15.97 cfs; 7/15, 11.63 cfs; 7/16, 15.97 cfs; 7/22, 18.1 cfs; 7/29, 12 cfs; 7/30, 10.89 cfs; 8/2, 8.46 cfs; 8/5, 13.93 cfs; 8/13, 11.26 cfs; 8/19, 12 cfs; 8/26, 8.46 cfs; 9/5, 5.39 cfs; 9/9, 4.05 cfs; 9/16, 4.05 cfs; 9/23, Off</p>
1997	<p>5/21, 15.97 cfs; 5/27, 9.13 cfs; 6/3, 11.26 cfs; 6/26, 15.97 cfs; 6/30, 15.97 cfs; 7/9, 17.23 cfs; 7/16, 15.97 cfs; 7/24, 15.97 cfs; 7/30, 12 cfs; 8/4, 2.86 cfs; 8/12, 15.34 cfs; 8/21, 8.46 cfs; 8/29, 9.48 cfs; 9/3, 3.56 cfs; 9/17, 4.05 cfs; 9/30, 3.93 cfs</p>
1998	<p>3/3, Off; 3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/13, 11.26 cfs; 5/25, 20.23 cfs; 6/9, 10.98 cfs; 6/16, 12.76 cfs; 6/23, 18.1 cfs; 6/29, 15.14 cfs; 7/7, 12 cfs; 7/14, 18.1 cfs; 7/21, 20.32 cfs; 8/4, 5.97 cfs; 8/10, 4.31 cfs; 8/18, 12 cfs; 8/24, 3.68 cfs; 8/31, 5.97 cfs; 9/9, 12 cfs; 9/14, 6.86 cfs; 9/28, 5 cfs</p>
1999	<p>6/1, Off; 6/7, 12 cfs; 6/15, 12 cfs; 6/28, 10.17 cfs; 7/8, 15.14 cfs; 7/16, 18.1 cfs; 7/20, 20.32 cfs; 7/27, 19.42 cfs; 8/2, 15.14 cfs; 8/9, 8.46 cfs; 8/18, 8.46 cfs; 8/23, 7.17 cfs; 8/30, 10.17 cfs</p>
2000	<p>5/24, 12 cfs; 6/11, 9.82 cfs; 7/12, 6.86 cfs; 7/19, 6.86 cfs; 8/1, 6.56 cfs; 8/11, 6.56 cfs; 8/15, 10.47 cfs; 8/21, 7.81 cfs; 8/28, 2.22 cfs; 9/6, 5.39 cfs; 9/13, 5.39 cfs</p>
2001	<p>3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 6.11 cfs; 6/11, 6.11 cfs; 6/19, 6.11 cfs; 6/27, 6.11 cfs; 7/2, Off; 7/17, 8.46 cfs; 7/23, 5.39 cfs; 7/28, 5.39 cfs; 8/2, 4.05 cfs; 8/5, 5.39 cfs; 8/8, 5.39 cfs; 8/14, 5.39 cfs; 8/20, Off; 8/21, Off</p>

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.

DESCRIPTION AND OPERATION MEMORANDUM

FAIRVIEW CANAL

USGS ID 44108 C2, 44108 C3 USGS NAME JONES RESERVOIR, WARDEL RESERVOIR, OTTO

DIVERSION DESCRIPTION

One 5' screw type sliding steel gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River

N 75° 20'W, 2725' from the NE corner of Tract 57, Township 51N, Range 96W, and lying in Tract 70 of the same Township and Range.

CONVEYANCE DESCRIPTION

Open earthen canal approximately 9 miles long supplies water to ~4000 acres and Fairview, Sandstone and Wardell reservoirs. Ditch capacity approximately 60 c.f.s. Also carries water for lands adjudicated under the Blakesley, Butte, Horner, Grout and Plumb ditches.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/01/1888		Terr.	Irr.	155.00		2.21	
5/28/1888		Terr.	Irr.	382.00		5.45	
1/01/1889		Terr.	Irr.	20.00		0.57	
1/01/1890		Terr.	Irr.	590.00		8.40	
9/27/1899	2333	Irr.,Dom.,Stk.	552.00	7.87		24.50	
2/18/1902	810E	Irr.	200.00	2.85		27.35	
3/19/1904	5881	Irr.	122.00	1.74		29.09	
8/25/1904	6238 7903	Irr.,Dom.	1310.00	18.70		47.79	
2/14/1905	1331E	Irr.	110.00	1.57		49.36	
3/20/1905	6567	Irr.	160.00	2.28		51.64	
4/08/1905	1403E	Irr.	90.00	1.28		52.92	
8/05/1907	1738E	Irr.	209.00	2.98		55.90	
2/25/1908	1828E	Irr.	210.00	3.00		58.90	
6/24/1909	2152E	Irr.	100.00	1.42		60.32	
11/29/1909	2161E	Irr.,Dom.	75.00	1.07		61.39	
11/17/1910	10455	Irr.,Dom.	1357.66	19.38		80.77	
5/08/1913	2790E	Irr.,Dom.	412.25	5.88		86.65	
3/31/1916	3592E	Irr.	45.65	0.65		87.30	
12/14/1916	3750E	Irr.,Dom.	154.00	2.20		89.50	
5/20/1919	4005E	Irr.	84.00	1.20		90.70	
8/30/1920	4125E	Irr.,Dom.	225.70	3.22		93.92	
8/30/1920	4126E	Irr.,Dom.	117.00	1.66		95.58	
12/07/1934	4988E	Supply				95.58	
12/07/1934	18553 4583R	Irr.,Dom.,Stk.	832.25		790.95	95.58	
6/03/1954	5888E	Irr.	33.00	0.47		96.05	
10/14/1954	5765E	Irr.,Stk.	80.10	2nd Supply		96.05	
1/27/1959	6202E 6944R	Supply			620.00	96.05	

STORAGE RIGHTS

Fairview Extension Reservoir (Wardell Reservoir), Albert Wardell No. 1 Reservoir, Upper Sunshine Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 20-25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some buried pipe, some gated pipe, some sprinklers, some concrete lining.

CROP TYPES / CONSUMPTIVE USE

Alfalfa, small grains, beans, occasional beets, corn, pasture, lawns and gardens.

RETURN FLOWS

Some to Dorsey Creek, some picked up by Blakesly Ditch.

OTHER OPERATIONAL INFORMATION

Late priority ditch on heavily appropriated river system.

CONTACT INFORMATION

Stanley Jones or Max Wardell
Otto, WY
(307)762-3271

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	<p>4/25, 20 cfs; 4/26, 20 cfs; 4/27, 20 cfs; 4/28, 20 cfs; 4/29, 20 cfs; 4/30, 20 cfs; 5/1, 20 cfs; 5/2, 20 cfs; 5/3, 20 cfs; 5/4, 20 cfs; 5/5, 26 cfs; 5/6, 26 cfs; 5/7, 26 cfs; 5/8, 26 cfs; 5/9, 26 cfs; 5/10, 26 cfs; 5/11, 10.5 cfs; 5/12, 10.5 cfs; 5/13, 10.5 cfs; 5/14, 10.5 cfs; 5/15, 10.5 cfs; 5/16, 10.5 cfs; 5/17, 10.5 cfs; 5/18, 10.5 cfs; 5/19, 10.5 cfs; 5/20, 10.5 cfs; 5/21, 10.5 cfs; 5/22, 10.5 cfs; 5/23, 10.5 cfs; 5/24, 10.5 cfs; 5/25, 20 cfs; 5/26, 20 cfs; 5/27, 20 cfs; 5/28, 20 cfs; 5/29, 20 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 25 cfs; 6/4, 25 cfs; 6/5, 25 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 32 cfs; 6/10, 32 cfs; 6/11, 32 cfs; 6/12, 32 cfs; 6/13, 32 cfs; 6/14, 32 cfs; 6/15, 32 cfs; 6/16, 32 cfs; 6/17, 32 cfs; 6/18, 32 cfs; 6/19, 32 cfs; 6/20, 32 cfs; 6/21, 32 cfs; 6/22, 32 cfs; 6/23, 32 cfs; 6/24, 32 cfs; 6/25, 32 cfs; 6/26, 32 cfs; 6/27, 32 cfs; 6/28, 32 cfs; 6/29, 32 cfs; 6/30, 32 cfs; 7/1, 32 cfs; 7/2, 32 cfs; 7/3, 32 cfs; 7/4, 32 cfs; 7/5, 32 cfs; 7/6, 32 cfs;</p> <p>7/7, 32 cfs; 7/8, 32 cfs; 7/9, 32 cfs; 7/10, 32 cfs; 7/11, 32 cfs; 7/12, 32 cfs; 7/13, 32 cfs; 7/14, 32 cfs; 7/15, 27 cfs; 7/16, 27 cfs; 7/17, 27 cfs; 7/18, 27 cfs; 7/19, 27 cfs; 7/20, 27 cfs; 7/21, 27 cfs; 7/22, 22 cfs; 7/23, 22 cfs; 7/24, 22 cfs; 7/25, 43 cfs; 7/26, 43 cfs; 7/27, 60 cfs; 7/28, 30 cfs; 7/29, 30 cfs; 7/30, 30 cfs; 7/31, 30 cfs; 8/1, 30 cfs; 8/2, 30 cfs; 8/3, 30 cfs; 8/4, 30 cfs; 8/5, 30 cfs; 8/6, 30 cfs; 8/7, 30 cfs; 8/8, 30 cfs; 8/9, 30 cfs; 8/10, 30 cfs; 8/11, 30 cfs; 8/12, 38 cfs; 8/13, 38 cfs; 8/14, 38 cfs; 8/15, 35 cfs; 8/16, 35 cfs; 8/17, 35 cfs; 8/18, 35 cfs; 8/19, 35 cfs; 8/20, 35 cfs; 8/21, 35 cfs; 8/22, 35 cfs; 8/23, 35 cfs; 8/24, 35 cfs; 8/25, 37 cfs; 8/26, 37 cfs; 8/27, 37 cfs; 8/28, 37 cfs; 8/29, 37 cfs; 8/30, 37 cfs; 8/31, 28 cfs; 9/1, 28 cfs; 9/2, 28 cfs; 9/3, 28 cfs; 9/4, 28 cfs</p>
1984	<p>5/8, 10.5 cfs; 5/9, 10.5 cfs; 5/10, 10.5 cfs; 5/11, 10.5 cfs; 5/12, 10.5 cfs; 5/13, 20 cfs; 5/14, 20 cfs; 5/15, 20 cfs; 5/16, 20 cfs; 5/17, 20 cfs; 5/18, 20 cfs; 5/19, 20 cfs; 5/20, 25 cfs; 5/21, 25 cfs; 5/22, 25 cfs; 5/23, 25 cfs; 5/24, 25 cfs; 5/25, 25 cfs; 5/26, 25 cfs; 5/27, 20.5 cfs; 5/28, 20.5 cfs; 5/29, 20.5 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 20 cfs; 6/4, 20 cfs; 6/5, 20 cfs; 6/6, 20 cfs; 6/7, 20 cfs; 6/8, 20 cfs; 6/9, 20 cfs; 6/10, 20 cfs; 6/11, 27 cfs; 6/12, 27 cfs; 6/13, 27 cfs; 6/14, 27 cfs; 6/15, 27 cfs; 6/16, 27 cfs; 6/17, 27 cfs; 6/18, 27 cfs; 6/19, 27 cfs; 6/20, 27 cfs; 6/21, 25 cfs; 6/22, 25 cfs; 6/23, 25 cfs; 6/24, 25 cfs; 6/25, 25 cfs; 6/26, 25 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 25 cfs; 7/1, 25 cfs; 7/2, 25 cfs; 7/3, 25 cfs; 7/4, 25 cfs; 7/5, 27 cfs; 7/6, 27 cfs; 7/7, 27 cfs; 7/8, 27 cfs; 7/9, 27 cfs; 7/10, 27 cfs; 7/11, 27 cfs; 7/12, 30 cfs; 7/13, 36 cfs; 7/14, 36 cfs; 7/15, 25 cfs; 7/16, 32 cfs; 7/17, 40.5 cfs; 7/18, 40.5 cfs; 7/19, 40.5 cfs;</p> <p>7/20, 40.5 cfs; 7/21, 40.5 cfs; 7/22, 40.5 cfs; 7/23, 40.5 cfs; 7/24, 40.5 cfs; 7/25, 40.5 cfs; 7/26, 30 cfs; 7/27, 30 cfs; 7/28, 30 cfs; 7/29, 30 cfs; 7/30, 30 cfs; 7/31, 30 cfs; 8/1, 30 cfs; 8/2, 30 cfs; 8/3, 30 cfs; 8/4, 30 cfs; 8/5, 30 cfs; 8/6, 30 cfs; 8/7, 30 cfs; 8/8, 30 cfs; 8/9, 30 cfs; 8/10, 30 cfs; 8/11, 30 cfs; 8/12, 28.5 cfs; 8/13, 30 cfs; 8/14, 40 cfs; 8/15, 40 cfs; 8/16, 40 cfs; 8/17, 40 cfs; 8/18, 40 cfs; 8/19, 40 cfs; 8/20, 40 cfs; 8/21, 40 cfs; 8/22, 40 cfs; 8/23, 40 cfs; 8/24, 40 cfs; 8/25, 40 cfs</p>
1985	<p>5/19, 12.5 cfs; 5/20, 12.5 cfs; 5/21, 16.5 cfs; 5/22, 16.5 cfs; 5/23, 16.5 cfs; 5/24, 16.5 cfs; 5/25, 16.5 cfs; 5/26, 10 cfs; 5/27, 10 cfs; 5/28, 10 cfs; 5/29, 18 cfs; 5/30, 18 cfs; 5/31, 18 cfs; 6/1, 18 cfs; 6/2, 14 cfs; 6/3, 14 cfs; 6/4, 10.5 cfs; 6/5, 10.5 cfs; 6/6, 10.5 cfs; 6/7, 10.5 cfs; 6/8, 22 cfs; 6/9, 10.5 cfs; 6/10, 10.5 cfs; 6/11, 10.5 cfs; 6/12, 16 cfs; 6/13, 18 cfs; 6/14, 18 cfs; 6/15, 20 cfs; 6/16, 16 cfs; 6/17, 16 cfs; 6/18, 16 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 18 cfs; 6/22, 18 cfs; 6/23, 16.5 cfs; 6/24, 16.5 cfs; 6/25, 16.5 cfs; 6/26, 16.5 cfs; 6/27, 50 cfs; 6/28, 50 cfs; 6/29, 50 cfs; 6/30, 20.5 cfs; 7/1, 20.5 cfs; 7/2, 20.5 cfs; 7/3, 20.5 cfs; 7/4, 20.5 cfs; 7/5, 27 cfs; 7/6, 27 cfs; 7/7, 24.5 cfs; 7/8, 22 cfs; 7/9, 22 cfs; 7/10, 25.5 cfs; 7/11, 24 cfs; 7/12, 21 cfs; 7/13, 21 cfs; 7/14, 19 cfs; 7/15, 19 cfs; 7/16, 18 cfs; 7/17, 18 cfs; 7/18, 18 cfs; 7/19, 18 cfs; 7/20, 18 cfs; 7/21, 18 cfs; 7/22, 18 cfs; 7/23, 18 cfs; 7/24, 16 cfs; 7/25, 16 cfs; 7/26, 20 cfs; 7/27, 20 cfs; 7/28, 15.5 cfs;</p> <p>7/29, 15.5 cfs; 7/30, 15.5 cfs; 7/31, 15.5 cfs; 8/1, 14 cfs; 8/2, 14 cfs; 8/3, 14 cfs; 8/4, 14 cfs; 8/5, 14 cfs; 8/6, 14 cfs; 8/7, 14 cfs; 8/8, 14 cfs; 8/9, 14 cfs; 8/10, 14 cfs; 8/11, 14 cfs; 8/12, 14 cfs; 8/13, 14 cfs; 8/14, 14 cfs; 8/15, 14 cfs; 8/16, 14 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 15 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 12 cfs; 8/24, 12 cfs; 8/25, 12 cfs; 8/26, 12 cfs; 8/27, 12 cfs; 8/28, 12 cfs; 8/29, 13.3 cfs; 8/30, 13.3 cfs; 8/31, 13.3 cfs; 9/1, 13 cfs; 9/2, 12 cfs; 9/3, 12 cfs; 9/4, 12 cfs; 9/5, 12 cfs; 9/6, 12 cfs; 9/7, 15.5 cfs; 9/8, 15.5 cfs; 9/9, 14 cfs; 9/10, 14 cfs; 9/11, 14 cfs; 9/12, 14 cfs; 9/13, 14 cfs; 9/14, 14 cfs</p>

1986	<p>5/5, 27 cfs; 5/6, 27 cfs; 5/7, 27 cfs; 5/8, 27 cfs; 5/9, 20 cfs; 5/10, 20 cfs; 5/11, 20 cfs; 5/12, 10.5 cfs; 5/13, 10.5 cfs; 5/14, 10.5 cfs; 5/15, 10.5 cfs; 5/16, 10.5 cfs; 5/17, 10.5 cfs; 5/18, 10.5 cfs; 5/19, 13 cfs; 5/20, 13 cfs; 5/21, 14 cfs; 5/22, 14 cfs; 5/23, 22 cfs; 5/24, 22 cfs; 5/25, 27 cfs; 5/26, 18 cfs; 5/27, 18 cfs; 5/28, 18 cfs; 5/29, 22 cfs; 5/30, 22 cfs; 5/31, 32 cfs; 6/1, 37 cfs; 6/2, 37 cfs; 6/3, 37 cfs; 6/4, 37 cfs; 6/5, 40 cfs; 6/6, 40 cfs; 6/7, 46 cfs; 6/8, 46 cfs; 6/9, 46 cfs; 6/10, 46 cfs; 6/11, 46 cfs; 6/12, 46 cfs; 6/13, 46 cfs; 6/14, 46 cfs; 6/15, 46 cfs; 6/16, 46 cfs; 6/17, 46 cfs; 6/18, 46 cfs; 6/19, 46 cfs; 6/20, 46 cfs; 6/21, 46 cfs; 6/22, 46 cfs; 6/23, 46 cfs; 6/24, 46 cfs; 6/25, 46 cfs; 6/26, 43 cfs; 6/27, 43 cfs; 6/28, 32 cfs; 6/29, 32 cfs; 6/30, 46 cfs; 7/1, 46 cfs; 7/2, 46 cfs; 7/3, 35.1 cfs; 7/4, 35.1 cfs; 7/5, 35.1 cfs; 7/6, 35.1 cfs; 7/7, 35.1 cfs; 7/8, 46 cfs; 7/9, 25.1 cfs; 7/10, 25.1 cfs; 7/11, 25.1 cfs; 7/12, 25.1 cfs; 7/13, 25.1 cfs; 7/14, 25.1 cfs; 7/15, 25.4 cfs; 7/16, 25.1 cfs;</p> <p>7/17, 25.1 cfs; 7/18, 20.6 cfs; 7/19, 22.4 cfs; 7/20, 22.4 cfs; 7/21, 32 cfs; 7/22, 32 cfs; 7/23, 18 cfs; 7/24, 18 cfs; 7/25, 18 cfs; 7/26, 18 cfs; 7/27, 18 cfs; 7/28, 22.4 cfs; 7/29, 27 cfs; 7/30, 27 cfs; 7/31, 25 cfs; 8/1, 25 cfs; 8/2, 22.4 cfs; 8/3, 22.4 cfs; 8/4, 32 cfs; 8/5, 32 cfs; 8/6, 37.3 cfs; 8/7, 37.3 cfs; 8/8, 37.3 cfs; 8/9, 37.3 cfs; 8/10, 37.3 cfs; 8/11, 32 cfs; 8/12, 32 cfs; 8/13, 32 cfs; 8/14, 27 cfs; 8/15, 27 cfs; 8/16, 27 cfs; 8/17, 27 cfs; 8/18, 27 cfs; 8/19, 27 cfs; 8/20, 27 cfs; 8/21, 27 cfs; 8/22, 19.7 cfs; 8/23, 19.7 cfs; 8/24, 19.7 cfs; 8/25, 19.7 cfs; 8/26, 19.7 cfs; 8/27, 19.7 cfs; 8/28, 19.7 cfs; 8/29, 19.7 cfs; 8/30, 19.7 cfs; 8/31, 19.7 cfs; 9/2, 20 cfs; 9/3, 22.4 cfs; 9/4, 22.4 cfs; 9/5, 23.3 cfs; 9/6, 23.3 cfs; 9/7, 23.3 cfs; 9/8, 23.3 cfs; 9/9, 23.3 cfs; 9/10, 18 cfs; 9/11, 18 cfs; 9/12, 18 cfs; 9/13, 18 cfs; 9/14, 18 cfs; 9/15, 18 cfs; 9/16, 18 cfs; 9/17, 18 cfs; 9/18, 18 cfs; 9/19, 18 cfs; 9/20, 18 cfs; 9/21, 18 cfs; 9/22, 18 cfs; 9/23, 18 cfs; 9/24, 18 cfs; 9/25, 18 cfs; 9/26, 10 cfs; 9/28, 10 cfs; 9/29, 10 cfs</p>
1995	<p>4/27, 6 cfs; 5/4, 5 cfs; 5/9, 5 cfs; 5/11, 10 cfs; 5/12, 11 cfs; 5/13, Off; 5/18, 19 cfs; 5/22, 40 cfs; 5/23, 37 cfs; 5/24, 26 cfs; 5/26, 21 cfs; 5/31, 28 cfs; 6/1, 32 cfs; 6/7, 48 cfs; 6/9, 32 cfs; 6/13, 7 cfs; 6/16, 30 cfs; 6/22, 60 cfs; 6/28, 57 cfs; 6/29, 3 cfs; 7/6, 79 cfs; 7/26, 67 cfs; 8/2, 32 cfs; 8/3, 30 cfs; 8/4, 41 cfs; 8/5, 42 cfs; 8/7, 43 cfs; 8/9, 44 cfs; 8/11, 43 cfs; 8/14, 38 cfs; 8/17, 32 cfs; 8/18, 22 cfs; 8/22, 21 cfs; 8/24, 26 cfs; 8/30, 21 cfs; 8/31, 22 cfs; 9/1, 25 cfs; 9/6, 31 cfs; 9/11, Off; 9/14, 21 cfs; 9/18, 18 cfs; 9/22, 22 cfs</p>
1996	<p>4/14, 15 cfs; 4/15, 15 cfs; 4/18, 33 cfs; 4/25, 21 cfs; 4/30, 15 cfs; 5/7, 13 cfs; 5/8, 10 cfs; 5/13, 13 cfs; 5/15, 39 cfs; 5/21, 53 cfs; 5/29, 58 cfs; 6/4, 38 cfs; 6/13, 49 cfs; 6/21, 56 cfs; 6/26, 59 cfs; 7/3, 59 cfs; 7/9, 41 cfs; 7/10, 53 cfs; 7/12, 53 cfs; 7/13, 48 cfs; 7/18, 54 cfs; 7/22, 30 cfs; 7/23, 38 cfs; 7/24, 44 cfs; 7/26, 47 cfs; 7/29, 47 cfs; 7/31, 29 cfs; 8/1, 21 cfs; 8/3, 32 cfs; 8/5, 28 cfs; 8/8, 26 cfs; 8/12, 18 cfs; 8/13, 21 cfs; 8/14, 31 cfs; 8/16, 32 cfs; 8/19, 33 cfs; 8/21, 33 cfs; 8/23, 33 cfs; 8/28, 26 cfs; 9/3, 21 cfs; 9/5, 21 cfs; 9/10, 21 cfs; 9/13, 22 cfs; 9/17, 20 cfs; 9/23, 14 cfs</p>
1997	<p>4/21, 22 cfs; 4/23, 22 cfs; 4/24, 31 cfs; 4/25, 17 cfs; 5/8, 13 cfs; 5/14, 53 cfs; 5/22, 59 cfs; 5/27, 52 cfs; 6/5, 57 cfs; 6/8, Off; 6/15, 11 cfs; 6/27, 56 cfs; 7/3, 27 cfs; 7/7, 47 cfs; 7/10, 27 cfs; 7/15, 29 cfs; 7/25, 54 cfs; 7/29, 36 cfs; 8/7, 51 cfs; 8/22, 42 cfs; 8/27, 27 cfs; 9/4, 41 cfs; 9/12, 33 cfs; 9/18, 32 cfs; 9/25, 37 cfs; 9/30, 36 cfs</p>
1998	<p>4/9, 19 cfs; 4/16, 18 cfs; 4/24, 19 cfs; 4/28, 8 cfs; 5/1, 11 cfs; 5/6, 42 cfs; 5/13, 13 cfs; 5/19, 32 cfs; 5/22, 24 cfs; 5/26, 39 cfs; 6/4, 34 cfs; 6/11, 10 cfs; 6/17, 26 cfs; 6/25, 37 cfs; 6/30, 31 cfs; 7/2, 54 cfs; 7/9, 73 cfs; 7/16, 74 cfs; 7/23, 69 cfs; 7/30, 84 cfs; 8/6, 16 cfs; 8/13, 38 cfs; 8/20, 42 cfs; 8/27, 50 cfs; 9/4, 40 cfs; 9/8, 23 cfs; 9/11, 19 cfs; 9/16, 23 cfs; 9/25, 15 cfs; 9/30, 9 cfs</p>
1999	<p>3/26, 43 cfs; 4/7, 13 cfs; 4/16, 7 cfs; 4/21, 25 cfs; 4/22, 18 cfs; 4/23, 13 cfs; 4/26, 12 cfs; 4/27, 17 cfs; 4/30, 20 cfs; 5/3, 13 cfs; 5/6, 14 cfs; 5/12, 20 cfs; 5/21, 23 cfs; 5/28, 38 cfs; 6/4, 37 cfs; 6/8, 33 cfs; 6/17, 32 cfs; 6/25, 44 cfs; 6/30, 59 cfs; 7/9, 37 cfs; 7/14, 65 cfs; 7/16, 32 cfs; 7/17, 55 cfs; 7/18, 48 cfs; 7/23, 33 cfs; 7/29, 54 cfs; 8/4, 54 cfs; 8/10, 26 cfs; 8/12, 26 cfs; 8/18, 25 cfs; 8/19, 40 cfs; 8/25, 34 cfs; 9/2, 29 cfs; 9/9, 37 cfs; 9/15, 31 cfs; 9/23, 8 cfs; 9/30, 5 cfs</p>
2000	
2001	<p>5/3, 8.25 cfs; 5/8, 7.02 cfs; 5/15, 10.55 cfs; 5/25, 17.53 cfs; 5/28, 17 cfs; 6/7, 12.95 cfs; 6/12, 10 cfs; 6/20, 7.5 cfs; 6/25, 10.19 cfs; 7/2, 13.71 cfs; 7/10, 15.23 cfs; 7/16, 18.46 cfs; 7/26, 8.56 cfs; 7/30, 8.5 cfs; 8/6, 9.51 cfs; 8/13, 6.48 cfs; 8/28, 5.39 cfs; 9/5, 4.3 cfs; 9/12, 5.39 cfs; 9/18, 7.34 cfs; 9/26, 4.63 cfs; 9/30, 5 cfs</p>

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.

DESCRIPTION AND OPERATION MEMORANDUM

FARMER'S CANAL

DIVERSION DESCRIPTION

Concrete Diversion dam, one 12' and one 14' sliding steel gates in concrete headwall. Estimated capacity of common carrier canal above bifurcation is 650 c.f.s.

DIVERSION LOCATION

Source: Greybull River
Common diversion at river - SE 1/4 SE 1/4 Section 7(o.s.), Township 51N, Range 97W.
Bifurcation works at head of Farmer's Canal - Tract 45, Township 51N, Range 97W.

CONVEYANCE DESCRIPTION

Open earthen canal is common carrier for both Bench and Farmer's Canal for first ± 1 mile, then below bifurcation works, Farmers Canal is approximately 20 miles long, with approximately another 30 miles of major laterals, in addition to several smaller ditches (J.F.W., Perkins, Beck and Allen, Black and Coldwell, Guynup, Gould, Goodrich, Bahr) which have been incorporated into the Farmer's Canal delivery system. Numerous concrete checks, drops, dividers and some lined sections carry and deliver to approximately 24,000 acres and 200 users. Capacity below bifurcation estimated at 400 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	Cummulative Flow(cfs)	Comments
11/21/1894	854	Irr.,Dom.	9249.46	131.15	131.15	
2/13/1902	780E	Irr.	502.00	7.15	138.30	
11/17/1909	2213E	Irr.	621.91	8.89	147.19	
5/26/1911	2473E	Irr.,Dom.	23.40	0.34	147.53	
7/29/1911	2529E	Irr.,Dom.	80.00	1.14	148.67	
10/18/1911	2561E	Irr.,Dom.	37.66	0.54	149.21	
12/19/1918	3957E	Irr.,Dom.	498.76	6.99	156.20	
6/18/1927	4550E	Irr.,Dom.,Stk.	209.00	2.99	159.19	
1/02/1968	6224E	Irr.	2.70	0.04	159.23	

STORAGE RIGHTS

Upper Sunshine, Lower Sunshine and Greybull Valley reservoirs.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 20-25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices used in row crop production including concrete lined ditches, gated pipe, buried pipe and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, beans, sugar beets, corn, pasture, lawns and gardens (including Town of Burlington)

RETURN FLOWS

100% to Greybull River via constructed drains and McKinney Creek.

OTHER OPERATIONAL INFORMATION

Efficient system of use and reuse. Canal is private company managed by a canal manager and maintenance/ construction crew. Shares management of the common works with Bench Canal Company.

CONTACT INFORMATION

Farmers Canal Company
Burlington, WY
(307)762-3607

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

Monthly Summary (ac-ft)

Year	Discharge (ac-ft)												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1973					10,659	11,242	11,302	11,413	3,429	506			48,046
1974				2,202	10,869	9,358	13,198	978	5,939				42,543
1975					1,422	12,389	13,997	11,675	7,639				47,122
1976													
1977					10,403	12,972	9,842	8,838	6,240				48,296
1978					2,380	12,774	14,281	10,504	7,002				46,941
1979				0	6,063	10,447	10,754	8,184	7,260				42,708
1980													
1981				0	5,890	10,990	12,310	10,300	7,350				46,840
1982				0	8,485	8,416	10,680	11,500	5,080				44,161
1983				1,810	9,040	12,610	15,050	13,040	8,160				59,710
1984				150	12,940	13,210	16,780	13,640	9,000				65,720
1985				0	10,370	10,990	12,590	8,910	5,810				48,670
1986				1,020	10,490	14,400	13,470	12,200	6,430				58,010
1987				2,840	11,450	9,630	13,580	11,610	7,470				56,580
1988				2,780	7,330	15,190	9,580	6,480	3,540				44,900
1989				1,220	7,480	12,480	11,310	8,530	5,230				46,250
1990				430	8,080	12,550	11,970	11,100	8,050				52,180
1991				200	6,480	12,430	16,060	11,000	5,150				51,320
1992				4,200	13,720	7,970	10,170	11,730	6,750				54,540
1993				1,580	10,330	10,710	9,180	11,390	8,800				51,990
1994				1,610	13,400	8,790	11,350	10,050	5,380				50,580
1995				2,240	8,260	12,050	13,890	14,030	8,030				58,500
1996				1,190	10,320	14,530	16,190	12,350	7,600				62,180
1997				1,570	12,750	6,810	14,880	12,530	9,790				58,330
1998				2,684	15,344	12,008	15,073	12,435	8,894				66,438
1999				5,899	9,197	12,724	16,350	14,333	9,366				67,869
2000				4,759	11,169	11,576	14,182	10,271	5,483				57,440
2001				1,104	9,717	7,176	6,850	2,458	1,539				28,844
Total				1,717	9,409	11,349	12,773	10,425	6,682	506			52,355

Monthly Summary (cfs)

Year	Discharge (cfs)												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1973					173	189	184	186	58	8			158
1974				37	177	157	215	16	100				117
1975					23	208	228	190	128				155
1976													
1977					169	218	160	144	105				159
1978					39	215	232	171	118				155
1979				0	99	176	175	133	122				117
1980													
1981				0	96	185	200	168	124				129
1982				0	138	141	174	187	85				121
1983				30	147	212	245	212	137				164
1984				3	210	222	273	222	151				180
1985				0	169	185	205	145	98				133
1986				17	171	242	219	198	108				159
1987				48	186	162	221	189	126				155
1988				47	119	255	156	105	59				124
1989				21	122	210	184	139	88				127
1990				7	131	211	195	181	135				143
1991				3	105	209	261	179	87				141
1992				71	223	134	165	191	113				150
1993				27	168	180	149	185	148				143
1994				27	218	148	185	163	90				139
1995				38	134	203	226	228	135				161
1996				20	168	244	263	201	128				171
1997				26	207	114	242	204	165				160
1998				45	250	202	245	202	149				182
1999				99	150	214	266	233	157				186
2000				80	182	195	231	167	92				158
2001				19	158	121	111	40	26				79
Average				29	153	191	208	170	112	8			124

Notes:

- 1 Data from SEO Hydrographers Reports, USGS Gage Data and WRDS electronic data.
- 2 Monthly summaries are summarized from daily data. Missing readings interpolated from readings immediately before and after missing data.

DESCRIPTION AND OPERATION MEMORANDUM

GERMAN DITCH

USGS ID 44108 G4, 44108 D4 USGS NAME GLOIN RESERVOIR, BURLINGTON

DIVERSION DESCRIPTION

One 5' sliding metal screw type gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River

N 48° 0' W, 1487' from quarter corner between Sections 8 and 9, Township 51N, Range 97W.

CONVEYANCE DESCRIPTION

Open dirt ditch 4 miles long with two major laterals and two major sublaterals adding another approximately 5 miles, delivering water to approximately 1420 acres. Ditch capacity approximately 30 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
10/10/1899	2319	Irr.	421.00	6.00		6.00	
5/23/1900	538E	Irr.	160.00	2.28		8.28	
2/01/1908	1849E	Irr.	289.00	4.11		12.39	
4/08/1909	2033E	Irr.	136.00	1.94		14.33	
8/12/1909	2119E	Irr.	255.00	3.64		17.97	
5/02/1910	2257E	Irr.,Dom.	70.00	1.00		18.97	
11/23/1910	2350E	Irr.,Dom.	10.00	0.14		19.11	
1/09/1950	3093E	Irr.,Dom.,Stk.	204.00	2.91		22.02	

STORAGE RIGHTS

Sunshine Reservoirs, Greybull Valley Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by gated pipe, some concrete lining, some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, corn, small grains, beans, lawns and gardens.

RETURN FLOWS

Minimal, 100% to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Lyle Neves
4000 Road 8
Burlington, WY
(307) 762-3328

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	<p>5/2, 6.5 cfs; 5/3, 6.5 cfs; 5/4, 6.5 cfs; 5/5, 6.5 cfs; 5/6, 6.5 cfs; 5/7, 6.5 cfs; 5/8, 6.5 cfs; 5/9, 6.5 cfs; 5/10, 6.5 cfs; 5/11, 6.5 cfs; 5/12, 6.5 cfs; 5/23, 12 cfs; 5/24, 12 cfs; 5/25, 12 cfs; 5/26, 12 cfs; 5/27, 12 cfs; 5/28, 12 cfs; 5/29, 12 cfs; 5/30, 15 cfs; 5/31, 15 cfs; 6/1, 15 cfs; 6/2, 15 cfs; 6/3, 15 cfs; 6/4, 15 cfs; 6/5, 15 cfs; 6/6, 15 cfs; 6/7, 15 cfs; 6/8, 15 cfs; 6/9, 20 cfs; 6/10, 20 cfs; 6/11, 20 cfs; 6/12, 20 cfs; 6/13, 20 cfs; 6/14, 20 cfs; 6/15, 20 cfs; 6/16, 18 cfs; 6/17, 18 cfs; 6/18, 18 cfs; 6/19, 18 cfs; 6/20, 18 cfs; 6/21, 18 cfs; 6/22, 18 cfs; 6/23, 20 cfs; 6/24, 20 cfs; 6/25, 20 cfs; 6/26, 20 cfs; 6/27, 20 cfs; 6/28, 20 cfs; 6/29, 20 cfs; 6/30, 20 cfs; 7/1, 20 cfs; 7/2, 20 cfs; 7/3, 20 cfs; 7/4, 20 cfs; 7/5, 20 cfs; 7/6, 20 cfs; 7/7, 20 cfs; 7/8, 20 cfs; 7/9, 20 cfs; 7/10, 20 cfs; 7/11, 20 cfs; 7/12, 20 cfs; 7/13, 18 cfs; 7/14, 18 cfs; 7/15, 18 cfs; 7/16, 18 cfs; 7/17, 18 cfs; 7/18, 18 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 20 cfs; 7/22, 20 cfs; 7/23, 20 cfs; 7/24, 20 cfs; 7/25, 24 cfs;</p> <p>7/26, 24 cfs; 7/27, 24 cfs; 7/28, 24 cfs; 7/29, 24 cfs; 7/30, 24 cfs; 7/31, 24 cfs; 8/1, 24 cfs; 8/2, 16 cfs; 8/3, 16 cfs; 8/4, 16 cfs; 8/5, 16 cfs; 8/6, 16 cfs; 8/7, 16 cfs; 8/8, 19.5 cfs; 8/9, 19.5 cfs; 8/10, 19.5 cfs; 8/11, 19.5 cfs; 8/12, 16 cfs; 8/13, 16 cfs; 8/14, 16 cfs; 8/15, 16 cfs; 8/16, 16 cfs; 8/17, 16 cfs; 8/18, 12 cfs; 8/19, 12 cfs; 8/20, 12 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 12 cfs; 8/24, 12 cfs; 8/25, 12 cfs; 8/26, 13 cfs; 8/27, 13 cfs; 8/28, 13 cfs; 8/29, 13 cfs; 8/30, 13 cfs; 8/31, 13 cfs; 9/1, 13 cfs; 9/2, 13 cfs; 9/3, 13 cfs; 9/4, 13 cfs</p>
1984	<p>5/17, 10 cfs; 5/18, 10 cfs; 5/19, 10 cfs; 5/20, 10 cfs; 5/21, 10 cfs; 5/22, 10 cfs; 5/23, 14 cfs; 5/24, 14 cfs; 5/25, 14 cfs; 5/26, 14 cfs; 5/27, 14 cfs; 5/28, 14 cfs; 5/29, 14 cfs; 5/30, 14 cfs; 5/31, 14 cfs; 6/1, 14 cfs; 6/2, 14 cfs; 6/3, 10 cfs; 6/4, 10 cfs; 6/5, 10 cfs; 6/6, 10 cfs; 6/7, 10 cfs; 6/8, 10 cfs; 6/9, 10 cfs; 6/10, 10 cfs; 6/11, 10 cfs; 6/12, 10 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 20 cfs; 6/20, 20 cfs; 6/21, 20 cfs; 6/22, 20 cfs; 6/23, 20 cfs; 6/24, 20.3 cfs; 6/25, 20.3 cfs; 6/26, 20.3 cfs; 6/27, 20.3 cfs; 6/28, 20.3 cfs; 6/29, 20.3 cfs; 6/30, 20.3 cfs; 7/1, 20.3 cfs; 7/2, 20.3 cfs; 7/3, 20.3 cfs; 7/4, 20.3 cfs; 7/5, 18 cfs; 7/6, 18 cfs; 7/7, 18 cfs; 7/8, 18 cfs; 7/9, 18 cfs; 7/10, 22.5 cfs; 7/11, 22.5 cfs; 7/12, 22.5 cfs; 7/13, 14 cfs; 7/14, 14 cfs; 7/15, 20 cfs; 7/16, 16 cfs; 7/17, 16 cfs; 7/18, 16 cfs; 7/19, 16 cfs; 7/20, 16 cfs; 7/21, 16 cfs; 7/22, 16 cfs; 7/23, 16 cfs; 7/24, 16 cfs; 7/25, 16 cfs; 7/26, 15 cfs; 7/27, 12 cfs; 7/28, 12 cfs;</p> <p>7/29, 12 cfs; 7/30, 12 cfs; 7/31, 12 cfs; 8/1, 12 cfs; 8/2, 12 cfs; 8/3, 12 cfs; 8/4, 12 cfs; 8/5, 12 cfs; 8/6, 12 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 10 cfs; 8/10, 10 cfs; 8/11, 10 cfs; 8/12, 10 cfs; 8/13, 10 cfs; 8/14, 8.5 cfs; 8/15, 8.5 cfs; 8/16, 10 cfs; 8/17, 10 cfs; 8/18, 10 cfs; 8/19, 10 cfs; 8/20, 10 cfs; 8/21, 10 cfs; 8/22, 10 cfs; 8/23, 10 cfs; 8/24, 10 cfs; 8/25, 10 cfs</p>
1985	<p>5/19, 10 cfs; 5/20, 10 cfs; 5/21, 10 cfs; 5/22, 10 cfs; 5/23, 10 cfs; 5/24, 10 cfs; 5/25, 10 cfs; 5/26, 10 cfs; 5/27, 10 cfs; 5/28, 12 cfs; 5/29, 12 cfs; 5/30, 12 cfs; 5/31, 12 cfs; 6/1, 12 cfs; 6/2, 10 cfs; 6/3, 10 cfs; 6/4, 8 cfs; 6/5, 8 cfs; 6/6, 8 cfs; 6/7, 8 cfs; 6/8, 18 cfs; 6/9, 5.9 cfs; 6/10, 5.9 cfs; 6/11, 5.9 cfs; 6/12, 5.9 cfs; 6/13, 5.9 cfs; 6/14, 5.9 cfs; 6/15, 5.9 cfs; 6/16, 11 cfs; 6/17, 11 cfs; 6/18, 10 cfs; 6/19, 10 cfs; 6/20, 10 cfs; 6/21, 10 cfs; 6/22, 10 cfs; 6/23, 10 cfs; 6/24, 10 cfs; 6/25, 10 cfs; 6/26, 10 cfs; 6/27, 20 cfs; 6/28, 20 cfs; 6/29, 20 cfs; 6/30, 7 cfs; 7/1, 7 cfs; 7/2, 7 cfs; 7/3, 7 cfs; 7/4, 7 cfs; 7/5, 7 cfs; 7/6, 10 cfs; 7/7, 10 cfs; 7/8, 10 cfs; 7/9, 10 cfs; 7/10, 12 cfs; 7/11, 13 cfs; 7/12, 13 cfs; 7/13, 13 cfs; 7/14, 13 cfs; 7/15, 13 cfs; 7/16, 13 cfs; 7/17, 13 cfs; 7/18, 13 cfs; 7/19, 13 cfs; 7/20, 13 cfs; 7/21, 13 cfs; 7/22, 13 cfs; 7/23, 14 cfs; 7/24, 14 cfs; 7/25, 14 cfs; 7/26, 14 cfs; 7/27, 14 cfs; 7/28, 14 cfs; 7/29, 14 cfs; 7/30, 13 cfs; 7/31, 13 cfs; 8/1, 13 cfs; 8/2, 10 cfs;</p> <p>8/3, 10 cfs; 8/4, 8 cfs; 8/5, 8 cfs; 8/6, 8 cfs; 8/7, 9 cfs; 8/8, 9 cfs; 8/9, 9 cfs; 8/10, 9 cfs; 8/11, 9 cfs; 8/12, 9 cfs; 8/13, 9 cfs; 8/14, 8 cfs; 8/15, 8 cfs; 8/16, 7.5 cfs; 8/17, 7.5 cfs; 8/18, 5.4 cfs; 8/19, 5.4 cfs; 8/20, 5.4 cfs; 8/21, 5.4 cfs; 8/22, 5.4 cfs; 8/23, 5.4 cfs; 8/24, 5.4 cfs; 8/25, 4 cfs; 8/26, 4 cfs; 8/27, 4 cfs; 8/28, 4 cfs; 8/29, 4 cfs; 8/30, 3 cfs; 8/31, 3 cfs; 9/1, 2.5 cfs; 9/2, 2.5 cfs; 9/3, 2.5 cfs; 9/4, 2.5 cfs; 9/5, 2.5 cfs; 9/6, 4 cfs; 9/7, 4 cfs; 9/8, 4 cfs; 9/9, 4 cfs; 9/10, 4.5 cfs; 9/11, 4.5 cfs; 9/12, 4.5 cfs; 9/13, 4.5 cfs; 9/14, 4.5 cfs</p>
1986	<p>5/15, 4.5 cfs; 5/16, 3 cfs; 5/17, 3 cfs; 5/18, 3 cfs; 5/19, 8.5 cfs; 5/20, 8.5 cfs; 5/21, 8.5 cfs; 5/22, 8.5 cfs; 5/23, 8.5 cfs; 5/24, 8.5 cfs; 5/25, 8.5 cfs; 5/26, 25 cfs; 5/27, 25 cfs; 5/28, 25 cfs; 5/29, 25 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 25 cfs; 6/4, 25 cfs; 6/5, 25 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 25 cfs; 6/12, 20 cfs; 6/13, 20 cfs; 6/14, 20 cfs; 6/15, 20 cfs; 6/16, 20.3 cfs; 6/17, 20.3 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 15.1 cfs; 6/24, 15.1 cfs; 6/25, 15.1 cfs; 6/26, 15.1 cfs; 6/27, 15.1 cfs; 6/28, 15.1 cfs; 6/29, 15.1 cfs; 6/30, 15 cfs; 7/1, 15 cfs; 7/2, 15 cfs; 7/3, 15 cfs; 7/4, 15 cfs; 7/5, 15 cfs; 7/6, 15 cfs; 7/7, 15.1 cfs; 7/8, 15.1 cfs; 7/9, 8.02 cfs; 7/10, 8.02 cfs; 7/11, 8.28 cfs; 7/12, 8.28 cfs; 7/13, 8.28 cfs; 7/14, 8.5 cfs; 7/15, 8.5 cfs; 7/16, 4 cfs; 7/17, 4 cfs; 7/18, 8.1 cfs; 7/19, 8.1 cfs; 7/20, 8.1 cfs; 7/21, 8.1 cfs; 7/22, 8.1 cfs; 7/23, 13.1 cfs; 7/24, 13.1 cfs; 7/25, 17 cfs;</p> <p>7/26, 17 cfs; 7/27, 17 cfs; 7/28, 16 cfs; 7/29, 15.1 cfs; 7/30, 18.1 cfs; 7/31, 18.1 cfs; 8/1, 18.1 cfs; 8/2, 18.1 cfs; 8/3, 18.1 cfs; 8/4, 15.1 cfs; 8/5, 15.1 cfs; 8/6, 15.1 cfs; 8/7, 14 cfs; 8/8, 14 cfs; 8/9, 14 cfs; 8/10, 14 cfs; 8/11, 15 cfs; 8/12, 15 cfs; 8/13, 15 cfs; 8/14, 15 cfs; 8/15, 15 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 12 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 12 cfs; 8/24, 12 cfs; 8/25, 12 cfs; 8/26, 12 cfs; 8/27, 12 cfs; 8/28, 12 cfs; 8/29, 12 cfs; 8/30, 12 cfs; 8/31, 12 cfs; 9/2, 12 cfs; 9/3, 12 cfs; 9/4, 10.2 cfs; 9/5, 10.2 cfs; 9/6, 10.2 cfs; 9/7, 10.2 cfs; 9/8, 10.2 cfs; 9/9, 10.2 cfs; 9/10, 10.2 cfs; 9/11, 10.2 cfs; 9/12, 10.2 cfs; 9/13, 10.2 cfs; 9/14, 10.2 cfs; 9/15, 10.2 cfs; 9/16, 10.2 cfs; 9/17, 10.2 cfs; 9/18, 10.2 cfs; 9/19, 7.2 cfs; 9/20, 7.2 cfs; 9/21, 7.2 cfs; 9/22, 7.2 cfs; 9/23, 7.2 cfs; 9/24, 7.2 cfs; 9/25, 7.2 cfs; 9/26, 5.1 cfs; 9/28, 5.1 cfs; 9/29, 5.1 cfs</p>
1995	<p>4/27, Off; 4/30, Off; 5/10, Off; 5/14, Off; 5/23, Off; 6/7, 10 cfs; 6/14, 12 cfs; 6/21, 21 cfs; 6/27, 15 cfs; 7/5, 15 cfs; 7/26, 19 cfs; 8/1, 23 cfs; 8/2, 11 cfs; 8/4, 17 cfs; 8/5, 17 cfs; 8/7, 15 cfs; 8/8, 11 cfs; 8/18, 16 cfs; 8/23, 11 cfs; 8/29, 9 cfs; 9/7, 11 cfs; 9/13, 6 cfs; 9/14, 11 cfs; 9/19, 6 cfs; 9/26, 2 cfs; 9/29, 2 cfs</p>
1996	<p>5/15, 12 cfs; 5/22, 13 cfs; 5/29, Off; 6/13, 17 cfs; 6/21, 23 cfs; 6/25, 21 cfs; 7/2, 24 cfs; 7/10, 23 cfs; 7/24, 10 cfs; 7/31, 17 cfs; 8/7, 10 cfs; 8/14, 12 cfs; 8/21, 8 cfs; 8/28, 9 cfs; 9/4, 5 cfs; 9/11, 5 cfs; 9/17, 4 cfs; 9/24, 4 cfs</p>
1997	<p>5/6, Off; 5/13, 14 cfs; 5/21, 17 cfs; 5/27, 16 cfs; 6/4, 7 cfs; 6/8, Off; 6/15, Off; 6/26, 3 cfs; 7/3, 18 cfs; 7/9, 14 cfs; 7/24, 27 cfs; 7/31, 22 cfs; 8/7, 15 cfs; 8/11, 14 cfs; 8/20, 14 cfs; 8/27, 18 cfs; 9/4, 14 cfs; 9/10, 8 cfs; 9/16, 11 cfs; 9/23, 13 cfs; 9/30, 13 cfs</p>
1998	<p>4/28, Off; 5/1, 7 cfs; 5/6, 14 cfs; 5/14, 12 cfs; 5/19, 9 cfs; 5/21, 11 cfs; 5/26, 17 cfs; 6/2, 23 cfs; 6/10, 7 cfs; 6/17, 7 cfs; 6/25, 13 cfs; 7/1, 27 cfs; 7/8, 17 cfs; 7/14, 13 cfs; 7/22, 22 cfs; 7/29, 17 cfs; 8/5, Off; 8/11, 17 cfs; 8/18, 16 cfs; 8/24, 16 cfs; 9/1, 19 cfs; 9/4, 18 cfs; 9/11, 4 cfs; 9/15, 12 cfs; 9/23, 3 cfs; 9/30, 3 cfs</p>
1999	<p>4/14, 4 cfs; 4/16, 4 cfs; 4/23, 5 cfs; 4/28, 6 cfs; 5/11, 10 cfs; 5/14, 9 cfs; 5/28, 6 cfs; 6/2, 11 cfs; 6/8, 12 cfs; 6/15, 9 cfs; 6/21, 3 cfs; 6/25, 15 cfs; 6/30, 20 cfs; 7/9, 21 cfs; 7/14, 29 cfs; 7/20, 26 cfs; 7/27, 19 cfs; 8/4, 24 cfs; 8/12, 22 cfs; 8/18, 12 cfs; 8/25, 26 cfs; 8/27, 12 cfs; 9/2, 16 cfs; 9/9, 8 cfs; 9/14, 9 cfs; 9/22, 8 cfs; 9/28, 12 cfs</p>

2000	4/4, Off; 4/12, Off; 4/20, Off; 4/27, 5 cfs; 5/6, 14 cfs; 5/9, 11 cfs; 5/16, 10 cfs; 5/23, 19 cfs; 6/5, 21 cfs; 6/7, 19 cfs; 6/9, 22 cfs; 6/13, 21 cfs; 6/21, 19 cfs; 6/27, 8 cfs; 7/6, 9 cfs; 7/8, 13 cfs; 7/9, 17 cfs; 7/11, 16 cfs; 7/15, 15 cfs; 7/19, 16 cfs; 7/21, 6 cfs; 7/25, 8 cfs; 8/2, 13 cfs; 8/16, 8.46 cfs; 9/1, 10.86 cfs; 9/11, 12 cfs
2001	4/23, 5.25 cfs; 5/4, Off; 5/8, Off; 5/15, 7.65 cfs; 5/25, 6.95 cfs; 6/1, 13.15 cfs; 6/5, 13.93 cfs; 6/12, 10.17 cfs; 6/19, 2.39 cfs; 6/25, 4.57 cfs; 7/2, 9.13 cfs; 7/11, 8.3 cfs; 7/16, 8.46 cfs; 7/26, 6.59 cfs; 7/30, 6.86 cfs; 8/6, 4.68 cfs; 8/15, 6.11 cfs; 8/24, 5 cfs; 8/27, 5.11 cfs; 9/4, 1.28 cfs; 9/10, 1.92 cfs; 9/18, Off; 9/24, Off

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.

DESCRIPTION AND OPERATION MEMORANDUM

GREYBULL DITCH

USGS ID 44109 A1 USGS NAME SUNSHINE RESERVOIR

DIVERSION DESCRIPTION

One 6' screw type sliding metal gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
N 17°40' W, 541' from the SE corner of Section 34, Township 48N, Range 103W (o.s.)

CONVEYANCE DESCRIPTION

Open dirt ditch 6 miles long delivering water to approximately 2080 acres. Ditch capacity ~ 35 c.f.s. Supplements flows in East Timber Creek and West Timber Creek and terminates in Pappapau or Sheep Creek.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
12/08/1891	188	Irr.	555.00	7.85		7.85	
1/25/1893	31E	Irr.	771.00	11.01		18.86	
10/18/1899	482E	Irr.	450.00	6.42		25.28	
4/19/1937	1961E	Irr.,Supply	306.50	4.38		29.66	

STORAGE RIGHTS

Fickle Reservoir Supply

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25-30% at peak.

IRRIGATION PRACTICES

Flood irrigation practices. Short irrigation season.

CROP TYPES / CONSUMPTIVE USE

Hay and pasture, lawn and garden.

RETURN FLOWS

Some to Paradise Creek, some to West Timber Creek, some to East Timber Creek, some may be picked up in Sunshine Supply Canal, some to Pappapau Creek.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Pitchfork Ranch, Co.
Meeteetse, Wyo.
(307)868-2407

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	7/11, 10 cfs; 7/12, 10 cfs; 7/13, 10.17 cfs; 7/14, 10.17 cfs; 7/15, 10.17 cfs; 7/16, 10.17 cfs; 7/17, 10.17 cfs; 7/18, 10.17 cfs; 7/19, 10.17 cfs; 7/20, 10.17 cfs; 7/21, 10.17 cfs; 7/22, 10.17 cfs; 7/23, 10.17 cfs; 7/24, 10.17 cfs; 7/25, 8.46 cfs; 7/26, 8.46 cfs; 7/27, 8.46 cfs; 7/28, 8.46 cfs; 7/29, 8.13 cfs; 7/30, 8.13 cfs; 7/31, 8.13 cfs; 8/1, 8.13 cfs; 8/2, 8.13 cfs; 8/3, 8.13 cfs; 8/4, 8.13 cfs; 8/5, 8.13 cfs; 8/6, 8.3 cfs; 8/7, 8.3 cfs; 8/8, 8.3 cfs; 8/9, 8.3 cfs; 8/10, 8.3 cfs; 8/11, 8.3 cfs; 8/12, 8.3 cfs; 8/13, 8.3 cfs; 8/14, 8.3 cfs; 8/15, 8.3 cfs; 8/16, 1.73 cfs; 8/17, 1.73 cfs; 8/18, 1.73 cfs; 8/19, 1.73 cfs; 8/20, 1.73 cfs; 8/21, 1.73 cfs; 8/22, 1.73 cfs; 8/23, 1.73 cfs; 8/24, 1.73 cfs; 8/25, 1.63 cfs; 8/26, 1.63 cfs; 8/27, 1.63 cfs; 8/28, 1.63 cfs
1984	6/11, 10.17 cfs; 6/12, 10.17 cfs; 6/13, 10.17 cfs; 6/14, 10.17 cfs; 6/15, 10.17 cfs; 6/16, 10.17 cfs; 6/17, 10.17 cfs; 6/18, 13.93 cfs; 6/19, 15.97 cfs; 6/20, 15.97 cfs; 6/21, 15.97 cfs; 6/22, 15.97 cfs; 6/23, 15.97 cfs; 6/24, 15.97 cfs; 6/25, 15.97 cfs; 6/26, 15.97 cfs; 6/27, 15.97 cfs; 6/28, 15.97 cfs; 6/29, 15.97 cfs; 6/30, 21.94 cfs; 7/1, 21.94 cfs; 7/2, 21.94 cfs; 7/3, 21.94 cfs; 7/4, 21.94 cfs; 7/5, 21.94 cfs; 7/6, 21.94 cfs; 7/7, 21.94 cfs; 7/8, 21.94 cfs; 7/9, 21.94 cfs; 7/10, 23.84 cfs; 7/11, 23.84 cfs; 7/12, 25.05 cfs; 7/13, 25.05 cfs; 7/14, 25.05 cfs; 7/15, 25.05 cfs; 7/16, 25.05 cfs; 7/17, 25.05 cfs; 7/18, 22.64 cfs; 7/19, 12 cfs; 7/20, 12 cfs; 7/21, 12 cfs; 7/22, 12 cfs; 7/23, 12 cfs; 7/24, 12 cfs; 7/25, 12 cfs; 7/26, 7.81 cfs; 7/27, 7.81 cfs; 7/28, 7.81 cfs; 7/29, 7.81 cfs; 7/30, 7.81 cfs; 7/31, 7.81 cfs; 8/1, 6.56 cfs; 8/2, 6.56 cfs; 8/3, 6.56 cfs; 8/4, 6.56 cfs; 8/5, 6.56 cfs; 8/6, 6.56 cfs; 8/7, 6.56 cfs; 8/8, 6.56 cfs; 8/9, 6.56 cfs; 8/10, 6.56 cfs; 8/11, 6.11 cfs; 8/12, 6.11 cfs; 8/13, 6.11 cfs; 8/20, 8.46 cfs; 8/21, 8.46 cfs; 8/22, 8.46 cfs; 8/23, 8.46 cfs; 8/24, 8.46 cfs; 8/25, 8.46 cfs; 8/26, 8.46 cfs; 8/27, 2.42 cfs; 8/28, 2.42 cfs; 8/29, 2.42 cfs
1985	6/24, 35.56 cfs; 6/25, 29.08 cfs; 6/26, 29.08 cfs; 6/27, 35.53 cfs; 6/28, 35.53 cfs; 6/29, 35.53 cfs; 6/30, 35.53 cfs; 7/1, 35.53 cfs; 7/2, 35.53 cfs; 7/3, 30.13 cfs; 7/4, 30.13 cfs; 7/5, 30.13 cfs; 7/6, 30.13 cfs; 7/7, 30.13 cfs; 7/8, 32.25 cfs; 7/9, 32.25 cfs; 7/10, 32.25 cfs; 7/11, 32.25 cfs; 7/12, 32.25 cfs; 7/13, 30.65 cfs; 7/14, 30.65 cfs; 7/15, 30.65 cfs; 7/16, 30.65 cfs; 7/17, 30.13 cfs; 7/18, 30.13 cfs; 7/19, 29.08 cfs; 7/20, 29.08 cfs; 7/21, 29.08 cfs; 7/22, 29.08 cfs; 7/23, 29.08 cfs; 7/24, 29.08 cfs; 7/25, 26.54 cfs; 7/26, 27.8 cfs; 7/27, 27.8 cfs; 7/28, 27.8 cfs; 7/29, 27.8 cfs; 9/12, 13.93 cfs; 9/13, 13.93 cfs; 9/14, 13.93 cfs; 9/15, 13.93 cfs; 9/16, 10.17 cfs; 9/17, 10.17 cfs; 9/18, 10.17 cfs; 9/19, 10.17 cfs; 9/20, 12 cfs; 9/21, 12 cfs; 9/22, 12 cfs; 9/23, 12 cfs; 9/24, 12 cfs; 9/25, 12 cfs; 9/26, 12 cfs; 9/27, 12 cfs
1986	5/30, 10.17 cfs; 5/31, 10.17 cfs; 6/1, 10.17 cfs; 6/2, 10.17 cfs; 6/3, 10.17 cfs; 6/4, 10.17 cfs; 6/5, 10.17 cfs; 6/6, 16.81 cfs; 6/7, 16.81 cfs; 6/8, 16.81 cfs; 6/9, 16.81 cfs; 6/10, 16.81 cfs; 6/11, 10.71 cfs; 6/12, 10.71 cfs; 6/13, 10.71 cfs; 6/14, 10.71 cfs; 6/15, 10.71 cfs; 6/16, 10.71 cfs; 6/17, 10.71 cfs; 6/18, 23.6 cfs; 6/19, 23.6 cfs; 6/20, 25.05 cfs; 6/21, 25.05 cfs; 6/22, 25.05 cfs; 6/23, 25.05 cfs; 6/24, 25.05 cfs; 6/25, 25.05 cfs; 6/26, 25.05 cfs; 6/27, 27.55 cfs; 6/28, 27.55 cfs; 6/29, 27.55 cfs; 6/30, 27.55 cfs; 7/1, 25.05 cfs; 7/2, 25.05 cfs; 7/3, 25.05 cfs; 7/4, 25.05 cfs; 7/5, 25.05 cfs; 7/6, 25.05 cfs; 7/7, 19.42 cfs; 7/8, 19.42 cfs; 7/9, 19.42 cfs; 7/10, 19.42 cfs; 7/11, 19.42 cfs; 7/12, 19.42 cfs; 7/13, 19.42 cfs; 7/14, 19.2 cfs; 7/15, 19.2 cfs; 7/16, 19.2 cfs; 7/17, 19.2 cfs; 7/18, 17.23 cfs; 7/19, 17.23 cfs; 7/20, 17.23 cfs; 7/21, 17.23 cfs; 7/22, 17.23 cfs; 7/23, 15.55 cfs; 7/24, 15.55 cfs; 7/25, 15.55 cfs; 7/26, 11.26 cfs; 7/27, 11.26 cfs; 7/28, 11.26 cfs; 7/29, 11.26 cfs; 7/30, 11.26 cfs; 7/31, 7.17 cfs; 8/1, 7.17 cfs; 8/2, 7.17 cfs; 8/3, 7.17 cfs; 8/4, 7.17 cfs; 8/5, 7.17 cfs; 8/6, 13.93 cfs; 8/7, 13.93 cfs; 8/8, 13.93 cfs; 8/9, 13.93 cfs; 8/10, 13.93 cfs; 8/11, 14.33 cfs; 8/12, 14.33 cfs; 8/13, 14.33 cfs; 8/14, 14.73 cfs; 8/15, 10.95 cfs; 8/16, 10.95 cfs; 8/17, 10.95 cfs; 8/18, 11.63 cfs; 8/19, 11.63 cfs; 8/20, 11.63 cfs; 8/21, 11.63 cfs; 8/22, 11.63 cfs; 8/23, 11.63 cfs; 8/24, 11.63 cfs; 8/25, 11.63 cfs; 8/26, 13.15 cfs; 8/27, 13.15 cfs; 8/28, 13.15 cfs; 8/29, 13.15 cfs; 8/30, 13.15 cfs; 8/31, 13.15 cfs; 9/1, 13.15 cfs; 9/2, 8.46 cfs; 9/3, 8.46 cfs; 9/4, 8.46 cfs; 9/5, 8.46 cfs; 9/6, 8.46 cfs; 9/7, 8.46 cfs; 9/8, 8.46 cfs; 9/9, 8.46 cfs; 9/10, 8.46 cfs; 9/11, 7.17 cfs; 9/12, 7.17 cfs; 9/13, 7.17 cfs; 9/14, 7.17 cfs
1995	3/14, Off; 6/1, Off; 6/7, Off; 6/14, Off; 6/20, Off; 6/29, 10 cfs; 7/6, 10 cfs; 7/10, 10 cfs; 7/17, Off; 8/2, Off; 8/4, Off; 8/7, 5.36 cfs; 8/30, Off; 9/11, Off; 9/20, Off; 9/25, Off
1996	5/31, Off; 6/3, 15.97 cfs; 6/10, 26.04 cfs; 6/17, 26.04 cfs; 6/24, 26.05 cfs; 7/3, 26.04 cfs; 7/10, 22.17 cfs; 7/17, 12 cfs; 7/24, Off; 7/31, Off; 8/14, Off; 8/22, 12 cfs; 8/27, 5.39 cfs; 9/4, Off; 9/10, 4.05 cfs; 9/17, 4.05 cfs; 9/24, Off
1997	5/28, 18.1 cfs; 6/2, 27.55 cfs; 7/3, Off; 7/10, 9.11 cfs; 7/14, 13.39 cfs; 7/31, 22.64 cfs; 8/29, Off; 9/4, Off; 9/12, Off; 9/18, Off; 9/30, Off
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 5/27, 22.64 cfs; 6/10, 31.26 cfs; 6/21, Off; 6/22, 2.86 cfs; 6/30, 4.57 cfs; 7/7, Off; 7/24, 82 cfs; 8/7, Off; 8/14, Off; 9/3, Off; 9/29, Off
1999	6/1, 12 cfs; 6/16, 12 cfs; 7/1, 9.48 cfs; 7/12, 5.68 cfs; 8/19, Off; 8/24, Off
2000	5/24, Off; 6/10, 14.73 cfs; 7/20, 33.88 cfs; 7/31, 20.32 cfs; 8/13, Off; 8/29, 5.36 cfs; 9/7, Off; 9/14, Off
2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 24 cfs; 6/11, 27.15 cfs; 6/19, 3.62 cfs; 6/27, 3.62 cfs; 7/2, Off; 7/18, Off; 7/23, Off; 7/28, Off; 8/2, Off; 8/5, 30.34 cfs; 8/8, 7.81 cfs; 8/11, 7.81 cfs; 8/17, 7.81 cfs; 8/20, 7.81 cfs; 8/28, 7.81 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.

DESCRIPTION AND OPERATION MEMORANDUM

J. F. W. CANAL

USGS ID 44108 D2, 44108 D3 USGS NAME GOULD BUTTE, OTTO

DIVERSION DESCRIPTION

Sliding steel gates in concrete headwall

DIVERSION LOCATION

Source: Greybull River

River diversion into Farmer's/Bench Canal (SE 1/4 SE 1/4 Section 7, Township 51N, Range 97W), then into Farmer's Canal in Tract 45, Township 51N, Range 97W, then into Beck and Allen lateral, then to Perkins ditch, then to J.F.W ditch headgate on west edge of Tract 89, approximately 1056 feet north of SW corner of Tract 89, Township 51N, Range 95W.

CONVEYANCE DESCRIPTION

Open dirt canal approximately 7 miles long with one major lateral approximately 2 miles long and several smaller sublaterals, delivers water to approximately 2250 acres, canal capacity ~ 30 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/24/1893	403	Irr.,Dom.	400.00	5.70		5.70	
7/24/1894	82E	Irr.,Dom.	94.00	1.34		7.04	
2/21/1896	195E	Irr.,Dom.,Stk.	32.00	0.45		7.49	
7/30/1900	569E	Irr.	524.00	7.48		14.97	
4/06/1905	1425E	Irr.	158.00	2.25		17.22	
1/29/1907	1671E	Irr.	270.87	3.87		21.09	
6/08/1907	1752E	Irr.,Dom.	247.00	3.52		24.61	
8/23/1912	2666E	Irr.,Dom.,Stk.	136.40	1.95		26.56	
10/12/1914	3054E	Irr.,Dom.,Stk.	148.64	2.12		28.68	
5/17/1915	3249E	Irr.,Dom.,Stk.	268.81	3.83		32.51	

STORAGE RIGHTS

Upper Sunshine, Lower Sunshine and Greybull Valley reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 20% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced by some concrete lined ditches, gated pipe, buried pipe and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, beans, sugar beets, corn, pasture, lawns and gardens.

RETURN FLOWS

100% to Greybull River, via constructed drains, via Woods and Burnett Ditch and via McKinney Creek.

OTHER OPERATIONAL INFORMATION

Private ditch operated in cooperation with Farmer's Canal Company.

CONTACT INFORMATION

Steve Winters
P.O. Box 46

Otto, WY
 (307)762-3530

PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY.

DIVERSION RECORD

Year	Measured Data
1983	
1984	
1985	
1986	
1995	
1996	4/18, 11 cfs; 6/1, 10 cfs; 6/21, 19 cfs; 6/28, 23 cfs; 7/3, 15 cfs; 7/10, 13 cfs; 7/19, 15 cfs; 7/26, 15 cfs; 7/31, 15 cfs; 8/5, 21 cfs; 8/13, 24 cfs; 8/15, 22 cfs; 8/21, 21 cfs; 8/28, 18 cfs; 9/6, 18 cfs; 9/12, 3 cfs; 9/18, 11 cfs; 9/23, 14 cfs
1997	4/13, 6 cfs; 5/8, 22 cfs; 5/23, 23 cfs; 5/28, 19 cfs; 6/6, 22 cfs; 6/8, Off; 6/15, Off; 6/27, 16 cfs; 7/2, 25 cfs; 7/11, 22 cfs; 7/18, 22 cfs; 7/25, 37 cfs; 8/1, 13 cfs; 8/8, 23 cfs; 8/14, 21 cfs; 8/20, 15 cfs; 8/28, 19 cfs; 9/5, 15 cfs; 9/12, 16 cfs; 9/18, 13 cfs; 9/26, 18 cfs; 9/30, 13 cfs
1998	4/10, Off; 4/16, 6 cfs; 4/24, 8 cfs; 4/29, 7 cfs; 5/6, 16 cfs; 5/13, 21 cfs; 5/20, 20 cfs; 5/29, 19 cfs; 6/3, 28 cfs; 6/10, 24 cfs; 6/17, 17 cfs; 6/24, 21 cfs; 6/30, 11 cfs; 7/9, 36 cfs; 7/15, 24 cfs; 7/22, 26 cfs; 7/30, 29 cfs; 8/5, 22 cfs; 8/11, 22 cfs; 8/19, 23 cfs; 8/26, 17 cfs; 9/1, 25 cfs; 9/7, 25 cfs; 9/15, 12 cfs; 9/24, 12 cfs; 9/30, 13 cfs
1999	4/15, 11 cfs; 4/23, 20 cfs; 4/26, 15 cfs; 5/7, 14 cfs; 5/14, 19 cfs; 5/21, 20 cfs; 5/27, 21 cfs; 6/4, 23 cfs; 6/7, 27 cfs; 6/17, 24 cfs; 6/24, 13 cfs; 7/2, 27 cfs; 7/8, 24 cfs; 7/16, 23 cfs; 7/23, 22 cfs; 7/30, 23 cfs; 8/5, 24 cfs; 8/11, 23 cfs; 8/19, 17 cfs; 8/27, 17 cfs; 9/2, 17 cfs; 9/10, 20 cfs; 9/16, 11 cfs; 9/21, 17 cfs
2000	4/7, 16 cfs; 4/12, 10 cfs; 4/18, 11 cfs; 4/27, 7 cfs; 5/6, 13 cfs; 5/12, 14 cfs; 5/18, 12 cfs; 5/24, 14 cfs; 5/30, 14 cfs; 6/9, 23 cfs; 6/14, 25 cfs; 6/23, 25 cfs; 6/28, 22 cfs; 7/5, 12 cfs; 7/14, 26 cfs; 7/20, 26 cfs; 7/27, 9 cfs; 8/3, 12 cfs
2001	5/3, 13.55 cfs; 5/8, 22.47 cfs; 5/18, 38.34 cfs; 5/25, 10.38 cfs; 5/29, 12.85 cfs; 6/8, 16 cfs; 6/15, 29.38 cfs; 6/19, 8.11 cfs; 6/26, 11 cfs; 7/2, 18.6 cfs; 7/11, 12.38 cfs; 7/19, 13.31 cfs; 7/25, 8.31 cfs; 8/2, 9.11 cfs; 8/8, 5.36 cfs; 8/15, 5.19 cfs; 8/22, 6.41 cfs; 8/30, 6.05 cfs; 9/7, 14.51 cfs; 9/12, 11.25 cfs; 9/18, 11.25 cfs; 9/26, 7.91 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.

DESCRIPTION AND OPERATION MEMORANDUM

JIMMERFIELD DITCH

USGS ID 44108 C6, 44108 D5, 44108 D6 USGS NAME YU BENCH NE, YU BENCH NW, SLEEPERS RANCH

DIVERSION DESCRIPTION

One 5' metal screw type gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
S 46° 45' W, 1915' from the NW corner of Tract 95 (RS), Township 51N, Range 98W, and is in Tract 49 of the same Township and Range.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 6 miles long, delivering water to approximately 1000 acres. Ditch capacity approximately 20 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/14/1893	395	Irr.	292.00	4.17		4.17	
2/21/1896	194E	Irr.	109.40	1.55		5.72	
11/08/1897	290E	Irr.	151.00	2.15		7.87	
11/16/1897	287E	Irr.	130.00	1.85		9.72	
1/08/1908	1826E	Irr.	106.00	1.51		11.23	
7/29/1915	3233E	Irr.	82.14	1.17		12.40	
4/05/1916	3597E	Irr., Dom., Stk.	13.00	0.19		12.59	
8/26/1920	4124E	Irr.	18.20	0.26		12.85	
3/30/1943	5342E	Irr.	7.20	0.10		12.95	

STORAGE RIGHTS

Sunshine Reservoir, Greybull Valley Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 20-25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced by gated pipe and some ditch lining.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, occasional beans and corn, pasture, lawns and gardens.

RETURN FLOWS

Minimal, some directly to the Greybull River, some are picked up in the Avert ditch and some in the Bench Canal.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Bill Schlenker or Steve Coble
Burlington, WY Burlington, WY
(307)762-3544 (307)762-3342

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	<p>5/23, 15 cfs; 5/24, 15 cfs; 5/25, 15 cfs; 5/26, 15 cfs; 5/27, 15 cfs; 5/28, 15 cfs; 5/29, 15 cfs; 5/30, 15 cfs; 5/31, 15 cfs; 6/1, 15 cfs; 6/2, 15 cfs; 6/3, 15 cfs; 6/4, 15 cfs; 6/5, 15 cfs; 6/6, 15 cfs; 6/7, 15 cfs; 6/8, 18 cfs; 6/9, 18 cfs; 6/10, 18 cfs; 6/11, 18 cfs; 6/12, 18 cfs; 6/13, 18 cfs; 6/14, 18 cfs; 6/15, 18 cfs; 6/16, 18 cfs; 6/17, 18 cfs; 6/18, 18 cfs; 6/19, 18 cfs; 6/20, 24 cfs; 6/21, 24 cfs; 6/22, 24 cfs; 6/23, 24 cfs; 6/24, 20 cfs; 6/25, 20 cfs; 6/26, 20 cfs; 6/27, 20 cfs; 6/28, 20 cfs; 6/29, 20 cfs; 6/30, 20 cfs; 7/1, 20 cfs; 7/2, 20 cfs; 7/3, 20 cfs; 7/4, 20 cfs; 7/5, 20 cfs; 7/6, 20 cfs; 7/7, 20 cfs; 7/8, 20 cfs; 7/9, 20 cfs; 7/10, 20 cfs; 7/11, 20 cfs; 7/12, 20 cfs; 7/13, 20 cfs; 7/14, 20 cfs; 7/15, 20 cfs; 7/16, 20 cfs; 7/17, 20 cfs; 7/18, 20 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 20 cfs; 7/22, 18 cfs; 7/23, 18 cfs; 7/24, 18 cfs; 7/25, 12 cfs; 7/26, 12 cfs; 7/27, 12 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 12 cfs; 7/31, 12 cfs; 8/1, 12 cfs; 8/2, 12 cfs; 8/3, 18 cfs; 8/4, 18 cfs; 8/5, 18 cfs;</p> <p>8/6, 18 cfs; 8/7, 18 cfs; 8/8, 18 cfs; 8/9, 18 cfs; 8/10, 18 cfs; 8/11, 18 cfs; 8/12, 18 cfs; 8/13, 18 cfs; 8/14, 18 cfs; 8/15, 18 cfs; 8/16, 18 cfs; 8/17, 18 cfs; 8/18, 18 cfs; 8/19, 18 cfs; 8/20, 15 cfs; 8/21, 15 cfs; 8/22, 17 cfs; 8/23, 17 cfs; 8/24, 17 cfs; 8/25, 17 cfs; 8/26, 17 cfs; 8/27, 17 cfs; 8/28, 17 cfs; 8/29, 17 cfs; 8/30, 17 cfs; 8/31, 17 cfs; 9/1, 17 cfs; 9/2, 17 cfs; 9/3, 17 cfs; 9/4, 17 cfs</p>
1984	<p>5/25, 14 cfs; 5/26, 14 cfs; 5/27, 14 cfs; 5/28, 14 cfs; 5/29, 14 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 17 cfs; 6/4, 17 cfs; 6/5, 17 cfs; 6/6, 17 cfs; 6/7, 17 cfs; 6/8, 17 cfs; 6/9, 17 cfs; 6/10, 20 cfs; 6/11, 20 cfs; 6/12, 20 cfs; 6/13, 20 cfs; 6/14, 20 cfs; 6/15, 20 cfs; 6/16, 20 cfs; 6/17, 20 cfs; 6/18, 21.5 cfs; 6/19, 21.5 cfs; 6/20, 21.5 cfs; 6/21, 21.5 cfs; 6/22, 21.5 cfs; 6/23, 21.5 cfs; 6/24, 21.5 cfs; 6/25, 21.5 cfs; 6/26, 21.5 cfs; 6/27, 21.5 cfs; 6/28, 21.5 cfs; 6/29, 21.5 cfs; 6/30, 21.5 cfs; 7/1, 21.5 cfs; 7/2, 21.5 cfs; 7/3, 21.5 cfs; 7/4, 25 cfs; 7/5, 25 cfs; 7/6, 25 cfs; 7/7, 25 cfs; 7/8, 25 cfs; 7/9, 25 cfs; 7/10, 32 cfs; 7/11, 32 cfs; 7/12, 32 cfs; 7/13, 32 cfs; 7/14, 32 cfs; 7/15, 21.5 cfs; 7/16, 27.5 cfs; 7/17, 27.5 cfs; 7/18, 27.5 cfs; 7/19, 29 cfs; 7/20, 29 cfs; 7/21, 29 cfs; 7/22, 29 cfs; 7/23, 29 cfs; 7/24, 29 cfs; 7/25, 29 cfs; 7/26, 29 cfs; 7/31, 15 cfs; 8/1, 15 cfs; 8/2, 15 cfs; 8/3, 15 cfs; 8/4, 15 cfs; 8/5, 15 cfs; 8/6, 15 cfs; 8/7, 15 cfs; 8/8, 20 cfs; 8/9, 20 cfs;</p> <p>8/10, 20 cfs; 8/11, 20 cfs; 8/12, 20 cfs; 8/13, 20 cfs; 8/14, 20 cfs; 8/15, 20 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 15 cfs; 8/21, 15 cfs; 8/22, 18 cfs; 8/23, 18 cfs; 8/24, 18 cfs; 8/25, 18 cfs</p>
1985	<p>5/19, 13.15 cfs; 5/20, 13.15 cfs; 5/21, 13.15 cfs; 5/22, 13.15 cfs; 5/23, 13.15 cfs; 5/24, 16 cfs; 5/25, 16 cfs; 5/26, 18 cfs; 5/27, 18 cfs; 5/28, 18 cfs; 5/29, 18 cfs; 5/30, 19 cfs; 5/31, 22.5 cfs; 6/1, 22.5 cfs; 6/2, 20 cfs; 6/3, 20 cfs; 6/4, 18 cfs; 6/5, 20 cfs; 6/6, 20 cfs; 6/7, 20 cfs; 6/8, 20 cfs; 6/9, 15 cfs; 6/10, 15 cfs; 6/11, 15 cfs; 6/12, 18 cfs; 6/13, 18 cfs; 6/14, 18 cfs; 6/15, 18 cfs; 6/16, 18 cfs; 6/17, 18 cfs; 6/18, 18 cfs; 6/19, 18.5 cfs; 6/20, 18.5 cfs; 6/21, 17.5 cfs; 6/22, 17.5 cfs; 6/23, 17 cfs; 6/24, 17 cfs; 6/25, 17 cfs; 6/26, 17 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 10 cfs; 7/1, 10 cfs; 7/2, 12 cfs; 7/3, 12 cfs; 7/4, 12 cfs; 7/5, 12 cfs; 7/6, 14 cfs; 7/7, 14 cfs; 7/8, 14 cfs; 7/9, 16 cfs; 7/10, 16 cfs; 7/11, 17.5 cfs; 7/12, 19 cfs; 7/13, 19 cfs; 7/14, 18 cfs; 7/15, 19 cfs; 7/16, 20.5 cfs; 7/17, 20.5 cfs; 7/18, 20 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 20.5 cfs; 7/22, 20.5 cfs; 7/23, 20.5 cfs; 7/24, 20.5 cfs; 7/25, 20.5 cfs; 7/26, 20.5 cfs; 7/27, 20.5 cfs; 7/28, 18 cfs;</p> <p>7/29, 18 cfs; 7/30, 18 cfs; 7/31, 16 cfs; 8/1, 16 cfs; 8/2, 15 cfs; 8/3, 12 cfs; 8/4, 12 cfs; 8/5, 12 cfs; 8/6, 12 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 11 cfs; 8/10, 11 cfs; 8/11, 11 cfs; 8/12, 11 cfs; 8/13, 11 cfs; 8/14, 11 cfs; 8/15, 11 cfs; 8/16, 11 cfs; 8/17, 11 cfs; 8/18, 11 cfs; 8/19, 11 cfs; 8/20, 11 cfs; 8/21, 10 cfs; 8/22, 10 cfs; 8/23, 10 cfs; 8/24, 10 cfs; 8/25, 8 cfs; 8/26, 8 cfs; 8/27, 8 cfs; 8/28, 8 cfs; 8/29, 8 cfs; 8/30, 8 cfs; 8/31, 6 cfs; 9/1, 6 cfs; 9/2, 6 cfs; 9/3, 6 cfs; 9/4, 6 cfs; 9/5, 6 cfs; 9/6, 6 cfs; 9/7, 10 cfs; 9/8, 8 cfs; 9/9, 8 cfs; 9/10, 8 cfs; 9/11, 8 cfs; 9/12, 8 cfs; 9/13, 8 cfs; 9/14, 8 cfs</p>
1986	<p>5/15, 12.4 cfs; 5/16, 12.4 cfs; 5/17, 12.4 cfs; 5/18, 12.4 cfs; 5/19, 12.4 cfs; 5/20, 12.4 cfs; 5/21, 12.4 cfs; 5/22, 12.4 cfs; 5/23, 14 cfs; 5/24, 14 cfs; 5/25, 14 cfs; 5/26, 20.3 cfs; 5/27, 20.3 cfs; 5/28, 20.3 cfs; 5/29, 20.3 cfs; 5/30, 20.3 cfs; 5/31, 20.3 cfs; 6/1, 20.3 cfs; 6/2, 20.3 cfs; 6/3, 20.3 cfs; 6/4, 23 cfs; 6/5, 23 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 25 cfs; 6/12, 15 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15.1 cfs; 6/17, 15.1 cfs; 6/18, 15.1 cfs; 6/19, 15.1 cfs; 6/20, 15.1 cfs; 6/21, 15.1 cfs; 6/22, 15.1 cfs; 6/23, 15.1 cfs; 6/24, 15.1 cfs; 6/25, 15.1 cfs; 6/26, 18.1 cfs; 6/27, 18.1 cfs; 6/28, 18.1 cfs; 6/29, 18.1 cfs; 6/30, 15.1 cfs; 7/1, 15.1 cfs; 7/2, 15.1 cfs; 7/3, 15.1 cfs; 7/4, 15.1 cfs; 7/5, 17 cfs; 7/6, 17 cfs; 7/7, 15 cfs; 7/8, 15 cfs; 7/9, 15 cfs; 7/10, 15 cfs; 7/11, 15 cfs; 7/12, 15 cfs; 7/13, 15 cfs; 7/14, 15 cfs; 7/15, 15 cfs; 7/16, 18.1 cfs; 7/17, 18.1 cfs; 7/18, 18.1 cfs; 7/19, 18.1 cfs; 7/20, 18.1 cfs; 7/21, 18.1 cfs; 7/22, 18.1 cfs;</p> <p>7/23, 18.1 cfs; 7/24, 25 cfs; 7/25, 25 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 12 cfs; 7/31, 15.1 cfs; 8/1, 15.1 cfs; 8/2, 15.1 cfs; 8/3, 15.1 cfs; 8/4, 16 cfs; 8/5, 16 cfs; 8/6, 16 cfs; 8/7, 16 cfs; 8/8, 16 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 14 cfs; 8/15, 14 cfs; 8/16, 14 cfs; 8/17, 14 cfs; 8/18, 14 cfs; 8/19, 14 cfs; 8/20, 14 cfs; 8/21, 14 cfs; 8/22, 14 cfs; 8/23, 14 cfs; 8/24, 14 cfs; 8/25, 14 cfs; 8/26, 14 cfs; 8/27, 14 cfs; 8/28, 14 cfs; 8/29, 14 cfs; 8/30, 14 cfs; 8/31, 14 cfs; 9/1, 14 cfs; 9/2, 14 cfs; 9/3, 14 cfs; 9/4, 14 cfs; 9/5, 14 cfs; 9/6, 14 cfs; 9/7, 14 cfs; 9/8, 10.2 cfs; 9/9, 10.2 cfs; 9/10, 10.2 cfs; 9/11, 10.2 cfs; 9/12, 10.2 cfs; 9/13, 10.2 cfs; 9/14, 10.2 cfs; 9/15, 14 cfs; 9/16, 14 cfs; 9/17, 14 cfs; 9/18, 14 cfs; 9/19, 6.1 cfs; 9/20, 6.1 cfs; 9/21, 6.1 cfs; 9/22, 6 cfs; 9/23, 6 cfs; 9/24, 6 cfs; 9/25, 6 cfs; 9/26, 6 cfs</p>
1995	<p>4/27, Off; 4/30, Off; 5/10, Off; 5/14, Off; 5/20, Off; 5/23, Off; 6/7, 10 cfs; 6/14, 11 cfs; 6/21, 19 cfs; 6/27, 18 cfs; 7/5, 16 cfs; 7/25, 20 cfs; 8/2, 15 cfs; 8/5, 22 cfs; 8/8, 24 cfs; 8/14, 21 cfs; 8/23, 21 cfs; 8/29, 14 cfs; 9/7, 18 cfs; 9/13, 3 cfs; 9/19, 5 cfs; 9/26, 3 cfs; 9/29, 3 cfs</p>
1996	<p>5/15, 11 cfs; 5/22, 7 cfs; 5/31, Off; 6/13, 4 cfs; 6/21, 17 cfs; 6/25, 7 cfs; 7/2, 16 cfs; 7/9, 12 cfs; 7/16, 38 cfs; 7/24, 25 cfs; 7/30, 19 cfs; 8/7, 16 cfs; 8/13, 23 cfs; 8/20, 18 cfs; 8/28, 8 cfs; 9/4, 8 cfs; 9/10, 11 cfs; 9/17, 11 cfs; 9/24, 11 cfs</p>
1997	<p>5/6, Off; 5/13, Off; 5/21, 16 cfs; 5/28, 15 cfs; 6/4, 26 cfs; 6/8, Off; 6/15, Off; 6/26, Off; 7/2, 14 cfs; 7/8, 33 cfs; 7/15, 17 cfs; 7/24, 24 cfs; 7/29, 26 cfs; 7/31, 28 cfs; 8/5, 25 cfs; 8/12, 13 cfs; 8/19, 11 cfs; 8/26, 18 cfs; 9/3, 16 cfs; 9/10, 9 cfs; 9/16, 10 cfs; 9/23, 6 cfs; 9/30, Off</p>
1998	<p>4/9, 3 cfs; 4/28, 11 cfs; 5/5, 9 cfs; 5/13, 7 cfs; 5/19, 8 cfs; 5/28, 21 cfs; 6/2, 26 cfs; 6/9, 12 cfs; 6/10, 14 cfs; 6/16, Off; 6/22, Off; 6/25, Off; 7/1, 16 cfs; 7/8, 20 cfs; 7/14, 27 cfs; 7/22, 30 cfs; 7/29, 30 cfs; 8/5, 17 cfs; 8/11, 22 cfs; 8/18, 18 cfs; 8/26, 18 cfs; 9/1, 18 cfs; 9/4, 16 cfs; 9/11, 17 cfs; 9/15, 10 cfs; 9/22, 10 cfs; 9/28, 9 cfs</p>
1999	<p>3/16, 7 cfs; 3/26, 2 cfs; 4/14, 16 cfs; 4/30, 5 cfs; 5/4, 9 cfs; 5/14, 3 cfs; 5/28, 3 cfs; 6/2, 5 cfs; 6/8, 19 cfs; 6/15, 16 cfs; 6/21, Off; 6/30, 14 cfs; 7/9, 19 cfs; 7/14, 24 cfs; 7/20, 14 cfs; 7/27, 15 cfs; 8/4, 14 cfs; 8/10, 14 cfs; 8/18, 6 cfs; 8/25, 6 cfs; 9/2, 10 cfs; 9/9, 5 cfs; 9/22, 8 cfs; 9/28, 2 cfs</p>
2000	
2001	<p>5/4, 5.25 cfs; 5/8, 3.68 cfs; 5/15, 13.93 cfs; 5/25, 11.05 cfs; 6/1, 11.07 cfs; 6/5, 12.95 cfs; 6/12, 12.09 cfs; 6/21, 5.39 cfs; 6/27, 4.84 cfs; 7/2, 4.84 cfs; 7/10, 9.13 cfs; 7/17, 10.35 cfs; 7/24, 5.35 cfs; 8/2, 7.33 cfs; 8/6, 9.48 cfs; 8/15, 9.48 cfs; 8/24, 3.93 cfs; 8/28, Off; 9/4, Off; 9/18, 4.05 cfs; 9/24, 5.39 cfs</p>

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.

DESCRIPTION AND OPERATION MEMORANDUM

KEYSTONE DITCH

DIVERSION DESCRIPTION

One 5' rectangular screwtype sliding steel gate in angle iron frame.

DIVERSION LOCATION

Source: Greybull River

S 18° W, 1410' from corner no. 1 of Tract 88 (R.S.), Township 51N, Range 98W, and is in Tract 88.

CONVEYANCE DESCRIPTION

Open dirt ditch 8 1/2 miles long serving approximately 750 acres and 3 users. Ditch courses through rough country making use of several drops, siphons and flumes. Ditch capacity is ~ 40 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/14/1893	393	Irr.	391.00	5.57		5.57	
8/24/1918	3945E	Irr.,Stk.	156.60	2.24		7.81	
8/20/1920	4293E	Irr.,Dom.	11.70	0.17		7.98	
4/28/1922	4294E	Irr.,Dom.	19.00	0.27		8.25	
3/30/1931	4751E	Irr.	119.60	1.71		9.96	
6/21/1939	5177E	Irr.	4.60	0.07		10.03	
3/30/1943	5343E	Irr.	33.30	0.48		10.51	

STORAGE RIGHTS

Sunshine Reservoirs, Greybull Valley Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 30-35% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, considerable use of irrigation pipe, some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, small grains, beans, occasional corn, lawn and garden.

RETURN FLOWS

To Greybull River, some picked up in Jimmerfield ditch, some by Bench Canal.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Bill Schlenker
Burlington, WY
(307)762-3544

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	<p>5/23, 24.2 cfs; 5/24, 24.2 cfs; 5/25, 24.2 cfs; 5/26, 24.2 cfs; 5/27, 24.2 cfs; 5/28, 24.2 cfs; 5/29, 24.2 cfs; 5/30, 20 cfs; 5/31, 20 cfs; 6/1, 20 cfs; 6/2, 20 cfs; 6/3, 20 cfs; 6/4, 20 cfs; 6/5, 20 cfs; 6/6, 20 cfs; 6/7, 20 cfs; 6/8, 20 cfs; 6/9, 20 cfs; 6/10, 20 cfs; 6/11, 20 cfs; 6/12, 20 cfs; 6/13, 20.2 cfs; 6/14, 20.2 cfs; 6/15, 20.2 cfs; 6/16, 20.2 cfs; 6/17, 25.4 cfs; 6/18, 25.4 cfs; 6/19, 25.4 cfs; 6/20, 25.4 cfs; 6/21, 25.4 cfs; 6/22, 25.4 cfs; 6/23, 30.34 cfs; 6/24, 30.34 cfs; 6/25, 30.34 cfs; 6/26, 30.34 cfs; 6/27, 30 cfs; 6/28, 30 cfs; 6/29, 30 cfs; 6/30, 30 cfs; 7/1, 30 cfs; 7/2, 30 cfs; 7/3, 30 cfs; 7/4, 30 cfs; 7/5, 30 cfs; 7/6, 30 cfs; 7/7, 30 cfs; 7/8, 30 cfs; 7/9, 30 cfs; 7/10, 30 cfs; 7/11, 30 cfs; 7/12, 30 cfs; 7/13, 30 cfs; 7/14, 30 cfs; 7/15, 30 cfs; 7/16, 30 cfs; 7/17, 30 cfs; 7/18, 30 cfs; 7/19, 30 cfs; 7/20, 27 cfs; 7/21, 27 cfs; 7/22, 27 cfs; 7/23, 16 cfs; 7/24, 16 cfs; 7/25, 12.6 cfs; 7/26, 12.6 cfs; 7/27, 6 cfs; 7/28, 6 cfs; 7/29, 6 cfs; 7/30, 6 cfs; 7/31, 6 cfs; 8/1, 6 cfs; 8/2, 6 cfs;</p> <p>8/3, 6 cfs; 8/4, 6 cfs; 8/5, 6 cfs; 8/6, 6 cfs; 8/7, 6 cfs; 8/8, 6 cfs; 8/9, 6 cfs; 8/10, 6 cfs; 8/11, 6 cfs; 8/12, 6 cfs; 8/13, 6 cfs; 8/14, 6 cfs; 8/15, 6 cfs; 8/16, 6 cfs; 8/17, 6 cfs; 8/18, 19 cfs; 8/19, 19 cfs; 8/20, 19 cfs; 8/21, 19 cfs; 8/22, 17.3 cfs; 8/23, 17.3 cfs; 8/24, 17.3 cfs; 8/25, 17.3 cfs; 8/26, 17.3 cfs; 8/27, 17.3 cfs; 8/28, 17.3 cfs; 8/29, 17.3 cfs; 8/30, 17.3 cfs; 8/31, 17.3 cfs; 9/1, 17.3 cfs; 9/2, 17.3 cfs; 9/3, 17.3 cfs; 9/4, 17.3 cfs</p>
1984	<p>5/24, 16 cfs; 5/25, 16 cfs; 5/26, 16 cfs; 5/27, 16 cfs; 5/28, 16 cfs; 5/29, 20 cfs; 5/30, 20 cfs; 5/31, 20 cfs; 6/1, 20 cfs; 6/2, 20 cfs; 6/3, 26 cfs; 6/4, 26 cfs; 6/5, 26 cfs; 6/6, 26 cfs; 6/7, 26 cfs; 6/8, 26 cfs; 6/9, 26 cfs; 6/10, 26 cfs; 6/11, 26 cfs; 6/12, 26 cfs; 6/13, 25 cfs; 6/14, 25 cfs; 6/15, 25 cfs; 6/16, 25 cfs; 6/17, 25 cfs; 6/18, 25 cfs; 6/19, 25 cfs; 6/20, 25 cfs; 6/21, 25 cfs; 6/22, 25 cfs; 6/23, 25 cfs; 6/24, 25 cfs; 6/25, 25 cfs; 6/26, 25 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 25 cfs; 7/1, 25 cfs; 7/2, 25 cfs; 7/3, 25 cfs; 7/4, 25 cfs; 7/5, 25 cfs; 7/6, 25 cfs; 7/7, 25 cfs; 7/8, 25 cfs; 7/9, 25 cfs; 7/10, 25 cfs; 7/11, 25 cfs; 7/12, 25 cfs; 7/13, 26 cfs; 7/14, 26 cfs; 7/15, 25 cfs; 7/16, 21 cfs; 7/17, 21 cfs; 7/18, 21 cfs; 7/19, 21 cfs; 7/20, 21 cfs; 7/21, 21 cfs; 7/22, 21 cfs; 7/23, 21 cfs; 7/24, 16 cfs; 7/25, 16 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 16 cfs; 7/29, 16 cfs; 7/30, 16 cfs; 7/31, 16 cfs; 8/1, 16 cfs; 8/2, 10 cfs; 8/3, 10 cfs; 8/4, 10 cfs; 8/5, 10 cfs;</p> <p>8/6, 10 cfs; 8/7, 10 cfs; 8/8, 10 cfs; 8/9, 10 cfs; 8/10, 10 cfs; 8/11, 10 cfs; 8/12, 10 cfs; 8/13, 10 cfs; 8/14, 10 cfs; 8/15, 10 cfs; 8/16, 10 cfs; 8/17, 10 cfs; 8/18, 10 cfs; 8/19, 10 cfs; 8/20, 10 cfs; 8/21, 10 cfs; 8/22, 8 cfs; 8/23, 8 cfs; 8/24, 8 cfs; 8/25, 8 cfs</p>
1985	<p>5/19, 12 cfs; 5/20, 12 cfs; 5/21, 12 cfs; 5/22, 12 cfs; 5/23, 12 cfs; 5/24, 12 cfs; 5/25, 12 cfs; 5/26, 16 cfs; 5/27, 16 cfs; 5/28, 16 cfs; 5/29, 26 cfs; 5/30, 19.5 cfs; 5/31, 19.5 cfs; 6/1, 19.5 cfs; 6/2, 18.5 cfs; 6/3, 18.5 cfs; 6/4, 18.5 cfs; 6/5, 18.5 cfs; 6/6, 18.5 cfs; 6/7, 18.5 cfs; 6/8, 18.5 cfs; 6/9, 11 cfs; 6/10, 11 cfs; 6/11, 11 cfs; 6/12, 11 cfs; 6/13, 11 cfs; 6/14, 11 cfs; 6/15, 11 cfs; 6/16, 13.3 cfs; 6/17, 13.3 cfs; 6/18, 17 cfs; 6/19, 17 cfs; 6/20, 19 cfs; 6/21, 19 cfs; 6/22, 20.5 cfs; 6/23, 21 cfs; 6/24, 21 cfs; 6/25, 21 cfs; 6/26, 21 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 14.5 cfs; 7/1, 14.5 cfs; 7/2, 14.5 cfs; 7/3, 14.5 cfs; 7/4, 14.5 cfs; 7/5, 14.5 cfs; 7/6, 13.5 cfs; 7/7, 13.5 cfs; 7/8, 13.5 cfs; 7/9, 13.5 cfs; 7/10, 17 cfs; 7/11, 19.5 cfs; 7/12, 23.62 cfs; 7/13, 23 cfs; 7/14, 21 cfs; 7/15, 21 cfs; 7/16, 21 cfs; 7/17, 19.5 cfs; 7/18, 19.5 cfs; 7/19, 19.5 cfs; 7/20, 19.5 cfs; 7/21, 19.5 cfs; 7/22, 19.5 cfs; 7/23, 19 cfs; 7/24, 19 cfs; 7/25, 19 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 10 cfs; 7/31, 10 cfs; 8/1, 10 cfs; 8/2, 10 cfs; 8/3, 10 cfs; 8/4, 11 cfs; 8/5, 11 cfs; 8/6, 11 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 8.5 cfs; 8/10, 8.5 cfs; 8/11, 8.5 cfs; 8/12, 8.5 cfs; 8/13, 8.5 cfs; 8/14, 9 cfs; 8/15, 9 cfs; 8/16, 9 cfs; 8/17, 9 cfs; 8/18, 8.5 cfs; 8/19, 8.5 cfs; 8/20, 8.5 cfs; 8/21, 8.5 cfs; 8/22, 8.5 cfs; 8/23, 8.5 cfs; 8/24, 8.5 cfs; 8/25, 7.5 cfs; 8/26, 7.5 cfs; 8/27, 7.5 cfs; 8/28, 7.5 cfs; 8/29, 7.5 cfs; 8/30, 7.5 cfs; 8/31, 2 cfs; 9/1, 7.5 cfs; 9/2, 7.5 cfs; 9/3, 7.5 cfs; 9/4, 7.5 cfs; 9/5, 7.5 cfs; 9/6, 7.5 cfs; 9/7, 7.5 cfs; 9/8, 7.5 cfs; 9/9, 7.5 cfs; 9/10, 12.5 cfs; 9/11, 12.5 cfs; 9/12, 12.5 cfs; 9/13, 12.5 cfs; 9/14, 12.5 cfs; 9/15, 12.5 cfs; 9/16, 12.5 cfs; 9/17, 12.5 cfs; 9/18, 12.5 cfs; 9/19, 12.5 cfs; 9/20, 12.5 cfs; 9/21, 12.5 cfs; 9/22, 12.5 cfs; 9/23, 12.5 cfs; 9/24, 12.5 cfs; 9/25, 12.5 cfs; 9/26, 12.5 cfs; 9/27, 12.5 cfs; 9/28, 12.5 cfs; 9/29, 12.5 cfs; 9/30, 12.5 cfs; 9/31, 12.5 cfs</p> <p>7/28, 12 cfs; 7/29, 12 cfs; 7/30, 10 cfs; 7/31, 10 cfs; 8/1, 10 cfs; 8/2, 10 cfs; 8/3, 10 cfs; 8/4, 11 cfs; 8/5, 11 cfs; 8/6, 11 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 8.5 cfs; 8/10, 8.5 cfs; 8/11, 8.5 cfs; 8/12, 8.5 cfs; 8/13, 8.5 cfs; 8/14, 9 cfs; 8/15, 9 cfs; 8/16, 9 cfs; 8/17, 9 cfs; 8/18, 8.5 cfs; 8/19, 8.5 cfs; 8/20, 8.5 cfs; 8/21, 8.5 cfs; 8/22, 8.5 cfs; 8/23, 8.5 cfs; 8/24, 8.5 cfs; 8/25, 7.5 cfs; 8/26, 7.5 cfs; 8/27, 7.5 cfs; 8/28, 7.5 cfs; 8/29, 7.5 cfs; 8/30, 7.5 cfs; 8/31, 2 cfs; 9/1, 7.5 cfs; 9/2, 7.5 cfs; 9/3, 7.5 cfs; 9/4, 7.5 cfs; 9/5, 7.5 cfs; 9/6, 7.5 cfs; 9/7, 7.5 cfs; 9/8, 7.5 cfs; 9/9, 7.5 cfs; 9/10, 12.5 cfs; 9/11, 12.5 cfs; 9/12, 12.5 cfs; 9/13, 12.5 cfs; 9/14, 12.5 cfs</p>
1986	<p>5/12, 7 cfs; 5/13, 7 cfs; 5/14, 7 cfs; 5/15, 7 cfs; 5/16, 7 cfs; 5/17, 7 cfs; 5/18, 7 cfs; 5/19, 7.5 cfs; 5/20, 7.5 cfs; 5/21, 7.5 cfs; 5/22, 11.2 cfs; 5/23, 11.2 cfs; 5/24, 11.2 cfs; 5/25, 16 cfs; 5/26, 21.3 cfs; 5/27, 21.3 cfs; 5/28, 21.3 cfs; 5/29, 21.3 cfs; 5/30, 21.3 cfs; 5/31, 21.3 cfs; 6/1, 21.3 cfs; 6/2, 21 cfs; 6/3, 21 cfs; 6/4, 25.4 cfs; 6/5, 25.4 cfs; 6/6, 25.4 cfs; 6/7, 25.4 cfs; 6/8, 25.4 cfs; 6/9, 25 cfs; 6/10, 15 cfs; 6/11, 15 cfs; 6/12, 15 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 15 cfs; 6/24, 15 cfs; 6/25, 15 cfs; 6/26, 15 cfs; 6/27, 18 cfs; 6/28, 18 cfs; 6/29, 18 cfs; 6/30, 15 cfs; 7/1, 15 cfs; 7/2, 15 cfs; 7/3, 15 cfs; 7/4, 15 cfs; 7/5, 15 cfs; 7/6, 15 cfs; 7/7, 26 cfs; 7/8, 26 cfs; 7/9, 19.1 cfs; 7/10, 19.1 cfs; 7/11, 19.1 cfs; 7/12, 19.1 cfs; 7/13, 19.1 cfs; 7/14, 19.1 cfs; 7/15, 19.1 cfs; 7/16, 19.1 cfs; 7/17, 12.1 cfs; 7/18, 12.1 cfs; 7/19, 12.1 cfs; 7/20, 12.1 cfs; 7/21, 12.1 cfs; 7/22, 12.1 cfs;</p> <p>7/23, 12.1 cfs; 7/24, 12.1 cfs; 7/25, 13.5 cfs; 7/26, 13.5 cfs; 7/27, 13.5 cfs; 7/28, 23.6 cfs; 7/29, 23.6 cfs; 7/30, 23.6 cfs; 7/31, 20.2 cfs; 8/1, 20.2 cfs; 8/2, 20.2 cfs; 8/3, 20.2 cfs; 8/4, 23 cfs; 8/5, 23 cfs; 8/6, 23 cfs; 8/7, 18.5 cfs; 8/8, 18.5 cfs; 8/9, 18.5 cfs; 8/10, 18.5 cfs; 8/11, 16 cfs; 8/12, 16 cfs; 8/13, 16 cfs; 8/14, 14.5 cfs; 8/15, 14.5 cfs; 8/16, 14.5 cfs; 8/17, 14.5 cfs; 8/18, 14.8 cfs; 8/19, 14.8 cfs; 8/20, 14.8 cfs; 8/21, 10 cfs; 8/22, 10 cfs; 8/23, 14.8 cfs; 8/24, 14.8 cfs; 8/25, 14.5 cfs; 8/26, 14.5 cfs; 8/27, 14.5 cfs; 8/28, 14.5 cfs; 8/29, 14.5 cfs; 8/30, 14.5 cfs; 8/31, 14.5 cfs; 9/2, 14.5 cfs; 9/3, 14.5 cfs; 9/4, 14.5 cfs; 9/5, 11.2 cfs; 9/6, 11.2 cfs; 9/7, 11.2 cfs; 9/8, 11.2 cfs; 9/9, 11.2 cfs; 9/10, 11.2 cfs; 9/11, 11.2 cfs; 9/12, 8 cfs; 9/13, 8 cfs; 9/14, 8 cfs; 9/15, 8.1 cfs; 9/16, 8.1 cfs; 9/17, 8.1 cfs; 9/18, 8.1 cfs; 9/19, 8.1 cfs; 9/20, 8.1 cfs; 9/21, 8.1 cfs; 9/22, 8 cfs; 9/23, 8 cfs; 9/24, 8 cfs; 9/25, 8 cfs</p>
1995	<p>4/27, Off; 4/30, Off; 5/10, Off; 5/14, Off; 5/20, Off; 5/23, 7 cfs; 6/7, 9 cfs; 6/10, Off; 6/14, 11 cfs; 6/21, 17 cfs; 6/27, 16 cfs; 7/5, 19 cfs; 7/25, 22 cfs; 8/2, 17 cfs; 8/8, 13 cfs; 8/14, 15 cfs; 8/23, 13 cfs; 8/29, 12 cfs; 9/7, 13 cfs; 9/13, 10 cfs; 9/19, Off; 9/26, Off; 9/29, Off</p>
1996	<p>5/15, 9 cfs; 5/22, 14 cfs; 5/31, 8 cfs; 6/11, 36 cfs; 6/21, 9 cfs; 6/25, 39 cfs; 7/2, 20 cfs; 7/9, 35 cfs; 7/16, 34 cfs; 7/24, 30 cfs; 7/30, 25 cfs; 8/7, 9 cfs; 8/13, 21 cfs; 8/20, 14 cfs; 8/27, 9 cfs; 9/4, 22 cfs; 9/10, 13 cfs; 9/17, 13 cfs; 9/24, 10 cfs; 9/30, Off</p>
1997	<p>5/6, Off; 5/13, 19 cfs; 5/21, 17 cfs; 5/28, 15 cfs; 6/3, 22 cfs; 6/8, Off; 6/15, Off; 6/26, 10 cfs; 7/2, 16 cfs; 7/8, 36 cfs; 7/15, 16 cfs; 7/24, 22 cfs; 7/29, 27 cfs; 8/5, 20 cfs; 8/12, 17 cfs; 8/19, 9 cfs; 8/26, 22 cfs; 9/3, 19 cfs; 9/10, 16 cfs; 9/16, 19 cfs; 9/23, 14 cfs; 9/30, Off</p>
1998	<p>4/28, Off; 5/5, Off; 5/12, 23 cfs; 5/20, 26 cfs; 5/28, 19 cfs; 6/2, 21 cfs; 6/9, 5 cfs; 6/16, 6 cfs; 6/22, 7 cfs; 6/28, Off; 7/1, 16 cfs; 7/7, 15 cfs; 7/14, 39 cfs; 7/21, 37 cfs; 7/28, 28 cfs; 8/4, 21 cfs; 8/12, 19 cfs; 8/19, 23 cfs; 8/25, 23 cfs; 9/2, 17 cfs; 9/9, 16 cfs; 9/15, 7 cfs; 9/22, 6 cfs; 9/28, Off</p>

1999	4/14, Off; 4/20, Off; 5/5, Off; 5/13, Off; 5/18, 11 cfs; 5/25, 18 cfs; 6/2, 12 cfs; 6/8, 15 cfs; 6/15, 14 cfs; 6/21, 26 cfs; 6/29, 24 cfs; 7/7, 36 cfs; 7/13, 36 cfs; 7/20, 28 cfs; 7/27, 20 cfs; 8/3, 21 cfs; 8/10, 15 cfs; 8/24, 26 cfs; 8/31, 13 cfs; 9/7, 5 cfs; 9/14, 15 cfs; 9/22, 12 cfs; 9/28, 11 cfs
2000	4/4, 9 cfs; 4/12, 20 cfs; 4/20, 6 cfs; 4/28, 13 cfs; 5/3, 17 cfs; 5/10, 10 cfs; 5/19, 11 cfs; 5/23, 10 cfs; 5/31, 19 cfs; 6/6, 23 cfs; 6/13, 23 cfs; 6/22, 23 cfs; 6/27, 27 cfs; 7/6, 32 cfs; 7/8, 22 cfs; 7/14, 14 cfs; 7/18, 25 cfs; 7/26, 23 cfs; 8/2, 11 cfs
2001	5/3, 7.91 cfs; 5/8, 6.23 cfs; 5/15, 7.34 cfs; 5/25, 7.15 cfs; 5/29, 13.79 cfs; 6/4, 12 cfs; 6/12, 8.51 cfs; 6/19, 4.86 cfs; 6/26, 9.11 cfs; 7/3, 11.25 cfs; 7/10, 9.53 cfs; 7/16, 16 cfs; 7/24, 9.53 cfs; 7/31, 5.03 cfs; 8/8, 4.7 cfs; 8/13, 7.34 cfs; 8/21, 5.36 cfs; 8/28, 6.23 cfs; 9/4, 1.36 cfs; 9/10, 6.05 cfs; 9/18, 8.71 cfs; 9/26, 7.15 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.

DESCRIPTION AND OPERATION MEMORANDUM

PAPPAPAU DITCH

USGS ID 44109 A1 USGS NAME SUNSHINE RESERVOIR

DIVERSION DESCRIPTION

One 5' screwtype sliding metal gate in wooden timber supports.

DIVERSION LOCATION

Source: Greybull River
N 69° 34' E, 1406' from the SW corner of Section 26, Township 48N, Range 102W, and is in the SW 1/4 SW 1/4 Section 26.

CONVEYANCE DESCRIPTION

Open dirt ditch 5 miles long delivering water to approximately 1030 acres. Estimated ditch capacity 18 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/22/1897	266E	Irr.	837.00	11.84		11.84	

STORAGE RIGHTS

Fickel Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices. Short growing season area.

CROP TYPES / CONSUMPTIVE USE

Hay, pasture, lawn and garden.

RETURN FLOWS

All to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Pitchfork Ranch Co.
Meeteetse, WY
(307)868-2407

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	6/8, 14.73 cfs; 6/9, 14.73 cfs; 6/10, 14.73 cfs; 6/28, 12 cfs; 6/29, 12 cfs; 6/30, 12 cfs; 7/1, 12 cfs; 7/2, 12 cfs; 7/3, 12 cfs; 7/4, 12 cfs; 7/5, 12 cfs; 7/6, 12 cfs; 7/7, 11.63 cfs; 7/8, 11.63 cfs; 7/9, 11.63 cfs; 7/10, 11.63 cfs; 7/11, 12 cfs; 7/12, 12 cfs; 7/13, 12 cfs; 7/14, 12 cfs; 7/15, 12.95 cfs; 7/16, 12.95 cfs; 7/17, 12.95 cfs; 7/18, 12 cfs; 7/19, 5.68 cfs; 7/20, 5.68 cfs; 7/21, 5.68 cfs; 7/22, 5.68 cfs; 7/23, 12.95 cfs; 7/24, 12.95 cfs; 7/25, 12 cfs; 7/26, 12 cfs; 7/27, 13.15 cfs; 7/28, 13.15 cfs; 7/29, 13.15 cfs; 7/30, 13.15 cfs; 7/31, 13.15 cfs; 8/1, 13.15 cfs; 8/2, 22.64 cfs; 8/3, 22.64 cfs; 8/4, 22.64 cfs; 8/5, 22.64 cfs; 8/6, 22.64 cfs; 8/7, 22.64 cfs; 8/8, 22.64 cfs; 8/9, 22.64 cfs; 8/10, 22.64 cfs; 8/11, 22.64 cfs; 8/12, 22.64 cfs; 8/13, 22.64 cfs; 8/14, 22.64 cfs; 8/15, 22.64 cfs; 8/16, 17.23 cfs; 8/17, 15.5 cfs; 8/18, 15.5 cfs; 8/19, 8.46 cfs; 8/20, 8.46 cfs; 8/21, 8.46 cfs; 8/22, 8.46 cfs; 8/23, 8.46 cfs; 8/24, 8.46 cfs; 8/25, 8.13 cfs; 8/26, 8.13 cfs; 8/27, 8.13 cfs; 8/28, 8.13 cfs
	8/29, 8.13 cfs; 8/30, 8.13 cfs; 8/3+B15731, 8.13 cfs; 9/1, 8.13 cfs; 9/2, 8.13 cfs; 9/3, 8.13 cfs; 9/4, 8.13 cfs; 9/5, 8.13 cfs; 9/6, 8.13 cfs; 9/7, 8.13 cfs; 9/8, 8.13 cfs
1984	5/24, 7.81 cfs; 5/25, 7.81 cfs; 5/26, 6.41 cfs; 5/27, 6.41 cfs; 5/28, 6.41 cfs; 5/29, 7.33 cfs; 5/30, 7.33 cfs; 5/31, 7.33 cfs; 6/1, 18.32 cfs; 6/2, 18.32 cfs; 6/3, 18.32 cfs; 6/4, 17.23 cfs; 6/5, 17.23 cfs; 6/6, 17.23 cfs; 6/7, 17.23 cfs; 6/8, 17.23 cfs; 6/9, 17.23 cfs; 6/10, 17.23 cfs; 6/11, 17.23 cfs; 6/12, 17.23 cfs; 6/13, 17.23 cfs; 6/14, 18.98 cfs; 6/15, 18.98 cfs; 6/16, 18.98 cfs; 6/17, 18.98 cfs; 6/18, 19.65 cfs; 6/19, 19.65 cfs; 6/20, 19.65 cfs; 6/21, 13.15 cfs; 6/22, 13.15 cfs; 6/23, 13.15 cfs; 6/24, 13.15 cfs; 6/25, 13.15 cfs; 6/26, 13.15 cfs; 6/27, 13.93 cfs; 6/28, 13.93 cfs; 6/29, 13.93 cfs; 6/30, 15.55 cfs; 7/1, 15.55 cfs; 7/2, 15.55 cfs; 7/3, 15.55 cfs; 7/4, 15.55 cfs; 7/5, 15.55 cfs; 7/6, 15.55 cfs; 7/7, 16.17 cfs; 7/8, 16.17 cfs; 7/9, 16.17 cfs; 7/10, 15.34 cfs; 7/11, 15.34 cfs; 7/12, 13.15 cfs; 7/13, 13.15 cfs; 7/14, 13.15 cfs; 7/15, 13.15 cfs; 7/16, 13.15 cfs; 7/17, 4.05 cfs; 7/18, 4.05 cfs; 7/19, 3.8 cfs; 7/20, 3.8 cfs; 7/21, 3.8 cfs; 7/22, 3.8 cfs; 7/23, 3.8 cfs; 7/24, 3.8 cfs; 7/25, 4.05 cfs; 7/26, 4.05 cfs; 7/27, 4.05 cfs; 7/28, 4.05 cfs; 7/29, 4.05 cfs; 7/30, 4.05 cfs; 7/31, 7.02 cfs; 8/1, 7.02 cfs; 8/2, 7.02 cfs; 8/3, 7.02 cfs; 8/4, 7.02 cfs; 8/5, 7.02 cfs; 8/6, 7.02 cfs; 8/7, 7.02 cfs; 8/8, 7.02 cfs; 8/9, 10 cfs; 8/10, 10 cfs; 8/11, 9.65 cfs; 8/12, 9.65 cfs; 8/13, 9.65 cfs; 8/14, 8.46 cfs; 8/15, 8.46 cfs; 8/16, 8.46 cfs; 8/17, 8.46 cfs; 8/18, 12 cfs; 8/19, 12 cfs; 8/20, 12 cfs; 8/21, 12 cfs; 8/22, 11.44 cfs; 8/23, 11.44 cfs; 8/24, 11.44 cfs; 8/25, 11.44 cfs; 8/26, 11.44 cfs; 8/27, 11.44 cfs; 8/28, 8.96 cfs; 8/29, 8.96 cfs; 8/30, 8.63 cfs; 8/31, 8.63 cfs; 9/1, 8.63 cfs; 9/2, 8.63 cfs; 9/3, 8.63 cfs; 9/4, 8.63 cfs; 9/5, 6.11 cfs; 9/6, 6.11 cfs; 9/7, 6.11 cfs; 9/8, 7.97 cfs; 9/9, 7.97 cfs; 9/10, 7.97 cfs; 9/11, 7.97 cfs; 9/12, 7.02 cfs; 9/13, 7.02 cfs; 9/14, 6.41 cfs; 9/15, 6.41 cfs; 9/16, 6.41 cfs; 9/17, 6.11 cfs; 9/18, 6.11 cfs; 9/19, 6.11 cfs; 9/20, 5.68 cfs; 9/21, 5.68 cfs; 9/22, 5.68 cfs; 9/23, 5.68 cfs
1985	6/24, 12 cfs; 6/25, 12 cfs; 6/26, 14.43 cfs; 6/27, 13.34 cfs; 6/28, 13.34 cfs; 6/29, 13.34 cfs; 6/30, 13.34 cfs; 7/1, 15 cfs; 7/2, 15 cfs; 7/3, 15 cfs; 7/4, 15 cfs; 7/5, 15 cfs; 7/6, 15 cfs; 7/7, 15 cfs; 7/8, 13.15 cfs; 7/9, 11.44 cfs; 7/10, 11.44 cfs; 7/11, 11.44 cfs; 7/12, 11.44 cfs; 7/13, 11.44 cfs; 7/14, 11.44 cfs; 7/15, 10.53 cfs; 7/16, 10.53 cfs; 7/17, 8.46 cfs; 7/18, 8.46 cfs; 7/19, 8.46 cfs; 7/20, 8.46 cfs; 7/21, 8.46 cfs; 7/22, 8.46 cfs; 7/23, 8.46 cfs; 7/24, 8.46 cfs; 7/25, 8.13 cfs; 7/26, 8.46 cfs; 7/27, 8.46 cfs; 7/28, 8.46 cfs; 7/29, 8.46 cfs; 7/30, 12 cfs; 7/31, 12 cfs; 8/1, 12 cfs; 8/2, 12 cfs; 8/3, 12 cfs; 8/4, 12 cfs; 8/5, 10 cfs; 8/6, 9.82 cfs; 8/7, 4.98 cfs; 8/8, 4.98 cfs; 8/9, 4.98 cfs; 8/10, 4.98 cfs; 8/11, 4.98 cfs; 8/12, 4.98 cfs; 8/13, 4.98 cfs; 8/14, 4.98 cfs; 8/15, 4.98 cfs; 8/16, 4.98 cfs; 8/17, 4.98 cfs; 8/18, 4.98 cfs; 8/19, 4.98 cfs; 8/20, 4.98 cfs; 8/21, 4.98 cfs; 8/22, 4.84 cfs; 8/23, 4.84 cfs; 8/24, 4.84 cfs; 8/25, 4.84 cfs; 8/26, 4.84 cfs; 8/27, 4.84 cfs; 8/28, 4.84 cfs; 8/29, 4.05 cfs; 8/30, 4.05 cfs; 8/31, 4.05 cfs; 9/1, 4.05 cfs; 9/2, 4.05 cfs; 9/3, 4.05 cfs; 9/4, 4.05 cfs; 9/5, 4.05 cfs; 9/6, 3.93 cfs; 9/7, 3.93 cfs; 9/8, 3.93 cfs; 9/9, 4.05 cfs; 9/10, 4.05 cfs; 9/11, 4.05 cfs; 9/12, 4.05 cfs; 9/13, 4.98 cfs; 9/14, 4.98 cfs; 9/15, 4.98 cfs; 9/16, 4.05 cfs; 9/17, 4.05 cfs; 9/18, 4.05 cfs; 9/19, 4.05 cfs; 9/20, 5.39 cfs; 9/21, 4.05 cfs; 9/22, 4.05 cfs; 9/23, 4.05 cfs
1986	5/20, 9.82 cfs; 5/21, 21.01 cfs; 5/22, 21.01 cfs; 5/23, 10 cfs; 5/24, 10 cfs; 5/25, 10 cfs; 5/26, 18.98 cfs; 5/27, 18.98 cfs; 5/28, 22.64 cfs; 5/29, 22.64 cfs; 5/30, 22.64 cfs; 5/31, 22.64 cfs; 6/1, 22.64 cfs; 6/2, 22.64 cfs; 6/3, 22.64 cfs; 6/4, 22.64 cfs; 6/5, 22.64 cfs; 6/6, 21.94 cfs; 6/7, 21.94 cfs; 6/8, 21.94 cfs; 6/9, 21.94 cfs; 6/10, 23.12 cfs; 6/11, 25.05 cfs; 6/12, 25.05 cfs; 6/13, 25.05 cfs; 6/14, 25.05 cfs; 6/15, 25.05 cfs; 6/16, 25.05 cfs; 6/17, 25.05 cfs; 6/18, 26.54 cfs; 6/19, 26.54 cfs; 6/20, 27.55 cfs; 6/21, 27.55 cfs; 6/22, 27.55 cfs; 6/23, 27.04 cfs; 6/24, 27.04 cfs; 6/25, 27.04 cfs; 6/26, 27.04 cfs; 6/27, 24.08 cfs; 6/28, 24.08 cfs; 6/29, 24.08 cfs; 6/30, 24.08 cfs; 7/1, 24.08 cfs; 7/2, 24.08 cfs; 7/3, 24.08 cfs; 7/4, 24.08 cfs; 7/5, 24.56 cfs; 7/6, 24.56 cfs; 7/7, 12.76 cfs; 7/8, 12.76 cfs; 7/9, 12.76 cfs; 7/10, 4.31 cfs; 7/11, 4.31 cfs; 7/12, 4.31 cfs; 7/13, 4.31 cfs; 7/14, 3.8 cfs; 7/15, 3.8 cfs; 7/16, 3.8 cfs; 7/17, 3.8 cfs; 7/18, 15.14 cfs; 7/19, 13.34 cfs; 7/20, 13.34 cfs; 7/21, 11.07 cfs; 7/22, 11.07 cfs; 7/23, 12.95 cfs; 7/24, 12.95 cfs; 7/25, 12.95 cfs; 7/26, 9.13 cfs; 7/27, 9.13 cfs; 7/28, 9.13 cfs; 7/29, 6.86 cfs; 7/30, 6.86 cfs; 7/31, 5.39 cfs; 8/1, 5.39 cfs; 8/2, 5.39 cfs; 8/3, 5.39 cfs; 8/4, 5.39 cfs; 8/5, 5.39 cfs; 8/6, 5.39 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 12 cfs; 8/15, 12 cfs; 8/16, 12 cfs; 8/17, 12 cfs; 8/18, 11.63 cfs; 8/19, 11.63 cfs; 8/20, 10.53 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 10.53 cfs; 8/24, 10.53 cfs; 8/25, 10.53 cfs; 8/26, 15.97 cfs; 8/27, 15.97 cfs; 8/28, 15.97 cfs; 8/29, 14.94 cfs; 8/30, 14.94 cfs; 8/31, 14.94 cfs; 9/1, 14.94 cfs; 9/2, 14.94 cfs; 9/3, 12 cfs; 9/4, 12 cfs; 9/5, 10.89 cfs; 9/6, 10.89 cfs; 9/7, 10.89 cfs; 9/8, 10.89 cfs; 9/9, 4.05 cfs; 9/10, 4.05 cfs 7/21, 11.07 cfs; 7/22, 11.07 cfs; 7/23, 12.95 cfs; 7/24, 12.95 cfs; 7/25, 12.95 cfs; 7/26, 9.13 cfs; 7/27, 9.13 cfs; 7/28, 9.13 cfs; 7/29, 6.86 cfs; 7/30, 6.86 cfs; 7/31, 5.39 cfs; 8/1, 5.39 cfs; 8/2, 5.39 cfs; 8/3, 5.39 cfs; 8/4, 5.39 cfs; 8/5, 5.39 cfs; 8/6, 7.02 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 12 cfs; 8/15, 12 cfs; 8/16, 12 cfs; 8/17, 12 cfs; 8/18, 11.63 cfs; 8/19, 11.63 cfs; 8/20, 10.53 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 10.53 cfs; 8/24, 10.53 cfs; 8/25, 10.53 cfs; 8/26, 15.97 cfs; 8/27, 15.97 cfs; 8/28, 15.97 cfs; 8/29, 14.94 cfs; 8/30, 14.94 cfs; 8/31, 14.94 cfs; 9/1, 14.94 cfs; 9/2, 14.94 cfs; 9/3, 12 cfs; 9/4, 12 cfs; 9/5, 10.89 cfs; 9/6, 10.89 cfs; 9/7, 10.89 cfs; 9/8, 10.89 cfs; 9/9, 4.05 cfs; 9/10, 4.05 cfs
1995	8/2, 12 cfs; 8/4, 12 cfs; 8/7, 13.93 cfs; 8/14, 12 cfs; 8/21, 12 cfs; 8/23, 12 cfs; 8/25, 12 cfs; 8/28, 7.81 cfs; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/29, Off; 5/30, 4.05 cfs; 6/3, 12 cfs; 6/10, 15.97 cfs; 6/18, 15.97 cfs; 6/25, 15.97 cfs; 7/3, 15.97 cfs; 7/10, 20.32 cfs; 7/17, 18.1 cfs; 7/24, 15.14 cfs; 7/31, 15.14 cfs; 8/14, 22.64 cfs; 8/27, 6.86 cfs; 9/4, 4.05 cfs; 9/10, 4.05 cfs; 9/17, 4.05 cfs; 9/24, Off
1997	5/27, 7.94 cfs; 7/10, 12 cfs; 7/25, 12 cfs; 8/20, Off; 8/29, 4.98 cfs; 9/3, 2.42 cfs; 9/16, 1.37 cfs; 9/30, 6.11 cfs
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/27, 12 cfs; 6/10, 17.23 cfs; 6/22, 17.23 cfs; 6/30, 18.1 cfs; 7/8, Off; 7/15, 8 cfs; 7/24, 12 cfs; 8/11, 13.15 cfs; 8/17, 12 cfs; 9/3, 8.46 cfs; 9/10, 12 cfs; 9/15, Off; 9/29, Off
1999	6/1, Off; 6/7, 4.05 cfs; 6/15, 12 cfs; 7/1, 12 cfs; 7/8, 12 cfs; 7/12, 16.1 cfs; 7/28, 18.1 cfs; 8/18, 12 cfs; 8/23, 12 cfs; 8/30, 7.49 cfs
2000	5/24, 4.05 cfs; 6/10, 15.97 cfs; 7/20, 12 cfs; 7/31, 10.17 cfs; 8/13, 15.97 cfs; 8/29, 12 cfs; 9/7, 8.46 cfs; 9/13, Off

2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 12 cfs; 6/11, 8 cfs; 6/19, 7.97 cfs; 6/27, 7.97 cfs; 7/2, Off; 7/18, Off; 7/23, Off; 7/28, Off; 8/2, Off; 8/5, Off; 8/7, Off; 8/8, Off; 8/14, Off; 8/17, Off; 8/20, Off; 8/28, Off
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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.

DESCRIPTION AND OPERATION MEMORANDUM
ROACH – JIMMERFIELD

USGS ID 44108 D5 USGS NAME YU BENCH NE

DIVERSION DESCRIPTION

One 4 foot screw type sliding steel gate in sheet metal on concrete base.

DIVERSION LOCATION

Source: Greybull River
N 46E 18'09" E, 2187' from the SW corner of Lot 42, Township 51N, Range 98W (RS) and is in Tract 95-D

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 3 3/4 miles long then intersecting and dumping into Fenton ditch adding 3 more miles. Ditch courses through rough country and requires 3 major flumes totaling approximately 170 feet to convey water across dry land draws which are subject to flooding. Delivers water to approximately 1000 acres. Ditch capacity ~ 30 c.f.s., including water for Fenton ditch appropriations.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
4/01/1889	Terr.	Irr.,Dom.	256.00	3.66		3.66	
5/15/1893	481	Irr.,Dom.	307.00	4.38		8.04	
8/02/1893	44E	Irr.,Dom.	165.00	2.64		10.68	
1/29/1898	309E	Irr.	37.00	0.52		11.20	
1/08/1900	488E	Irr.	20.00	0.28		11.48	
4/08/1910	2256E	Irr.,Dom.	113.00	1.61		13.09	
10/07/1914	3061E	Irr.,Dom.	27.00	0.38		13.47	

STORAGE RIGHTS

Lower Sunshine Reservoir, Greybull Reservoir.

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 20-30% at peak

IRRIGATION PRACTICES

Conventional flood irrigation and pump practices, enhanced by buried pipe and gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, occasional corn and beans, pasture, lawns and gardens.

RETURN FLOWS

Minimal – 100% of return flows are to the Greybull River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Bob Dohse
Cody, WY
(307)587-3774

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	<p>5/23, 15 cfs; 5/24, 15 cfs; 5/25, 15 cfs; 5/26, 15 cfs; 5/27, 15 cfs; 5/28, 15 cfs; 5/29, 15 cfs; 5/30, 15 cfs; 5/31, 15 cfs; 6/1, 15 cfs; 6/2, 15 cfs; 6/3, 15 cfs; 6/4, 15 cfs; 6/5, 15 cfs; 6/6, 15 cfs; 6/7, 15 cfs; 6/8, 18 cfs; 6/9, 18 cfs; 6/10, 18 cfs; 6/11, 18 cfs; 6/12, 18 cfs; 6/13, 18 cfs; 6/14, 18 cfs; 6/15, 18 cfs; 6/16, 18 cfs; 6/17, 18 cfs; 6/18, 18 cfs; 6/19, 18 cfs; 6/20, 24 cfs; 6/21, 24 cfs; 6/22, 24 cfs; 6/23, 24 cfs; 6/24, 20 cfs; 6/25, 20 cfs; 6/26, 20 cfs; 6/27, 20 cfs; 6/28, 20 cfs; 6/29, 20 cfs; 6/30, 20 cfs; 7/1, 20 cfs; 7/2, 20 cfs; 7/3, 20 cfs; 7/4, 20 cfs; 7/5, 20 cfs; 7/6, 20 cfs; 7/7, 20 cfs; 7/8, 20 cfs; 7/9, 20 cfs; 7/10, 20 cfs; 7/11, 20 cfs; 7/12, 20 cfs; 7/13, 20 cfs; 7/14, 20 cfs; 7/15, 20 cfs; 7/16, 20 cfs; 7/17, 20 cfs; 7/18, 20 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 20 cfs; 7/22, 18 cfs; 7/23, 18 cfs; 7/24, 18 cfs; 7/25, 12 cfs; 7/26, 12 cfs; 7/27, 12 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 12 cfs; 7/31, 12 cfs; 8/1, 12 cfs; 8/2, 12 cfs; 8/3, 18 cfs; 8/4, 18 cfs; 8/5, 18 cfs;</p> <p>8/6, 18 cfs; 8/7, 18 cfs; 8/8, 18 cfs; 8/9, 18 cfs; 8/10, 18 cfs; 8/11, 18 cfs; 8/12, 18 cfs; 8/13, 18 cfs; 8/14, 18 cfs; 8/15, 18 cfs; 8/16, 18 cfs; 8/17, 18 cfs; 8/18, 18 cfs; 8/19, 18 cfs; 8/20, 15 cfs; 8/21, 15 cfs; 8/22, 17 cfs; 8/23, 17 cfs; 8/24, 17 cfs; 8/25, 17 cfs; 8/26, 17 cfs; 8/27, 17 cfs; 8/28, 17 cfs; 8/29, 17 cfs; 8/30, 17 cfs; 8/31, 17 cfs; 9/1, 17 cfs; 9/2, 17 cfs; 9/3, 17 cfs; 9/4, 17 cfs</p>
1984	<p>5/25, 14 cfs; 5/26, 14 cfs; 5/27, 14 cfs; 5/28, 14 cfs; 5/29, 14 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 17 cfs; 6/4, 17 cfs; 6/5, 17 cfs; 6/6, 17 cfs; 6/7, 17 cfs; 6/8, 17 cfs; 6/9, 17 cfs; 6/10, 20 cfs; 6/11, 20 cfs; 6/12, 20 cfs; 6/13, 20 cfs; 6/14, 20 cfs; 6/15, 20 cfs; 6/16, 20 cfs; 6/17, 20 cfs; 6/18, 21.5 cfs; 6/19, 21.5 cfs; 6/20, 21.5 cfs; 6/21, 21.5 cfs; 6/22, 21.5 cfs; 6/23, 21.5 cfs; 6/24, 21.5 cfs; 6/25, 21.5 cfs; 6/26, 21.5 cfs; 6/27, 21.5 cfs; 6/28, 21.5 cfs; 6/29, 21.5 cfs; 6/30, 21.5 cfs; 7/1, 21.5 cfs; 7/2, 21.5 cfs; 7/3, 21.5 cfs; 7/4, 25 cfs; 7/5, 25 cfs; 7/6, 25 cfs; 7/7, 25 cfs; 7/8, 25 cfs; 7/9, 25 cfs; 7/10, 32 cfs; 7/11, 32 cfs; 7/12, 32 cfs; 7/13, 32 cfs; 7/14, 32 cfs; 7/15, 21.5 cfs; 7/16, 27.5 cfs; 7/17, 27.5 cfs; 7/18, 27.5 cfs; 7/19, 29 cfs; 7/20, 29 cfs; 7/21, 29 cfs; 7/22, 29 cfs; 7/23, 29 cfs; 7/24, 29 cfs; 7/25, 29 cfs; 7/26, 29 cfs; 7/31, 15 cfs; 8/1, 15 cfs; 8/2, 15 cfs; 8/3, 15 cfs; 8/4, 15 cfs; 8/5, 15 cfs; 8/6, 15 cfs; 8/7, 15 cfs; 8/8, 20 cfs; 8/9, 20 cfs;</p> <p>8/10, 20 cfs; 8/11, 20 cfs; 8/12, 20 cfs; 8/13, 20 cfs; 8/14, 20 cfs; 8/15, 20 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 15 cfs; 8/21, 15 cfs; 8/22, 18 cfs; 8/23, 18 cfs; 8/24, 18 cfs; 8/25, 18 cfs</p>
1985	<p>5/19, 13.15 cfs; 5/20, 13.15 cfs; 5/21, 13.15 cfs; 5/22, 13.15 cfs; 5/23, 13.15 cfs; 5/24, 16 cfs; 5/25, 16 cfs; 5/26, 18 cfs; 5/27, 18 cfs; 5/28, 18 cfs; 5/29, 18 cfs; 5/30, 19 cfs; 5/31, 22.5 cfs; 6/1, 22.5 cfs; 6/2, 20 cfs; 6/3, 20 cfs; 6/4, 18 cfs; 6/5, 20 cfs; 6/6, 20 cfs; 6/7, 20 cfs; 6/8, 20 cfs; 6/9, 15 cfs; 6/10, 15 cfs; 6/11, 15 cfs; 6/12, 18 cfs; 6/13, 18 cfs; 6/14, 18 cfs; 6/15, 18 cfs; 6/16, 18 cfs; 6/17, 18 cfs; 6/18, 18 cfs; 6/19, 18.5 cfs; 6/20, 18.5 cfs; 6/21, 17.5 cfs; 6/22, 17.5 cfs; 6/23, 17 cfs; 6/24, 17 cfs; 6/25, 17 cfs; 6/26, 17 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 10 cfs; 7/1, 10 cfs; 7/2, 12 cfs; 7/3, 12 cfs; 7/4, 12 cfs; 7/5, 14 cfs; 7/6, 14 cfs; 7/7, 14 cfs; 7/8, 14 cfs; 7/9, 16 cfs; 7/10, 16 cfs; 7/11, 17.5 cfs; 7/12, 19 cfs; 7/13, 19 cfs; 7/14, 18 cfs; 7/15, 19 cfs; 7/16, 20.5 cfs; 7/17, 20.5 cfs; 7/18, 20 cfs; 7/19, 20 cfs; 7/20, 20 cfs; 7/21, 20.5 cfs; 7/22, 20.5 cfs; 7/23, 20.5 cfs; 7/24, 20.5 cfs; 7/25, 20.5 cfs; 7/26, 20.5 cfs; 7/27, 20.5 cfs; 7/28, 18 cfs;</p> <p>7/29, 18 cfs; 7/30, 18 cfs; 7/31, 16 cfs; 8/1, 16 cfs; 8/2, 15 cfs; 8/3, 12 cfs; 8/4, 12 cfs; 8/5, 12 cfs; 8/6, 12 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 11 cfs; 8/10, 11 cfs; 8/11, 11 cfs; 8/12, 11 cfs; 8/13, 11 cfs; 8/14, 11 cfs; 8/15, 11 cfs; 8/16, 11 cfs; 8/17, 11 cfs; 8/18, 11 cfs; 8/19, 11 cfs; 8/20, 11 cfs; 8/21, 10 cfs; 8/22, 10 cfs; 8/23, 10 cfs; 8/24, 10 cfs; 8/25, 8 cfs; 8/26, 8 cfs; 8/27, 8 cfs; 8/28, 8 cfs; 8/29, 8 cfs; 8/30, 8 cfs; 8/31, 6 cfs; 9/1, 6 cfs; 9/2, 6 cfs; 9/3, 6 cfs; 9/4, 6 cfs; 9/5, 6 cfs; 9/6, 6 cfs; 9/7, 10 cfs; 9/8, 8 cfs; 9/9, 8 cfs; 9/10, 8 cfs; 9/11, 8 cfs; 9/12, 8 cfs; 9/13, 8 cfs; 9/14, 8 cfs</p>
1986	<p>5/15, 12.4 cfs; 5/16, 12.4 cfs; 5/17, 12.4 cfs; 5/18, 12.4 cfs; 5/19, 12.4 cfs; 5/20, 12.4 cfs; 5/21, 12.4 cfs; 5/22, 12.4 cfs; 5/23, 14 cfs; 5/24, 14 cfs; 5/25, 14 cfs; 5/26, 20.3 cfs; 5/27, 20.3 cfs; 5/28, 20.3 cfs; 5/29, 20.3 cfs; 5/30, 20.3 cfs; 5/31, 20.3 cfs; 6/1, 20.3 cfs; 6/2, 20.3 cfs; 6/3, 20.3 cfs; 6/4, 23 cfs; 6/5, 23 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 25 cfs; 6/12, 15 cfs; 6/13, 15 cfs; 6/14, 15 cfs; 6/15, 15 cfs; 6/16, 15.1 cfs; 6/17, 15.1 cfs; 6/18, 15.1 cfs; 6/19, 15.1 cfs; 6/20, 15.1 cfs; 6/21, 15.1 cfs; 6/22, 15.1 cfs; 6/23, 15.1 cfs; 6/24, 15.1 cfs; 6/25, 15.1 cfs; 6/26, 18.1 cfs; 6/27, 18.1 cfs; 6/28, 18.1 cfs; 6/29, 18.1 cfs; 6/30, 15.1 cfs; 7/1, 15.1 cfs; 7/2, 15.1 cfs; 7/3, 15.1 cfs; 7/4, 15.1 cfs; 7/5, 17 cfs; 7/6, 17 cfs; 7/7, 15 cfs; 7/8, 15 cfs; 7/9, 15 cfs; 7/10, 15 cfs; 7/11, 15 cfs; 7/12, 15 cfs; 7/13, 15 cfs; 7/14, 15 cfs; 7/15, 15 cfs; 7/16, 18.1 cfs; 7/17, 18.1 cfs; 7/18, 18.1 cfs; 7/19, 18.1 cfs; 7/20, 18.1 cfs; 7/21, 18.1 cfs; 7/22, 18.1 cfs;</p> <p>7/23, 18.1 cfs; 7/24, 25 cfs; 7/25, 25 cfs; 7/26, 16 cfs; 7/27, 16 cfs; 7/28, 12 cfs; 7/29, 12 cfs; 7/30, 12 cfs; 7/31, 15.1 cfs; 8/1, 15.1 cfs; 8/2, 15.1 cfs; 8/3, 15.1 cfs; 8/4, 16 cfs; 8/5, 16 cfs; 8/6, 16 cfs; 8/7, 16 cfs; 8/8, 16 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 14 cfs; 8/15, 14 cfs; 8/16, 14 cfs; 8/17, 14 cfs; 8/18, 14 cfs; 8/19, 14 cfs; 8/20, 14 cfs; 8/21, 14 cfs; 8/22, 14 cfs; 8/23, 14 cfs; 8/24, 14 cfs; 8/25, 14 cfs; 8/26, 14 cfs; 8/27, 14 cfs; 8/28, 14 cfs; 8/29, 14 cfs; 8/30, 14 cfs; 8/31, 14 cfs; 9/2, 14 cfs; 9/3, 14 cfs; 9/4, 14 cfs; 9/5, 14 cfs; 9/6, 14 cfs; 9/7, 14 cfs; 9/8, 10.2 cfs; 9/9, 10.2 cfs; 9/10, 10.2 cfs; 9/11, 10.2 cfs; 9/12, 10.2 cfs; 9/13, 10.2 cfs; 9/14, 10.2 cfs; 9/15, 14 cfs; 9/16, 14 cfs; 9/17, 14 cfs; 9/18, 14 cfs; 9/19, 6.1 cfs; 9/20, 6.1 cfs; 9/21, 6.1 cfs; 9/22, 6 cfs; 9/23, 6 cfs; 9/24, 6 cfs; 9/25, 6 cfs; 9/26, 6 cfs</p>
1995	<p>4/27, Off; 4/30, Off; 5/10, Off; 5/14, Off; 5/20, Off; 5/23, Off; 6/7, 10 cfs; 6/14, 11 cfs; 6/21, 19 cfs; 6/27, 18 cfs; 7/5, 16 cfs; 7/25, 20 cfs; 8/2, 15 cfs; 8/5, 22 cfs; 8/8, 24 cfs; 8/14, 21 cfs; 8/23, 21 cfs; 8/29, 14 cfs; 9/7, 18 cfs; 9/13, 3 cfs; 9/19, 5 cfs; 9/26, 3 cfs; 9/29, 3 cfs</p>
1996	<p>5/15, 11 cfs; 5/22, 7 cfs; 5/31, Off; 6/13, 4 cfs; 6/21, 17 cfs; 6/25, 7 cfs; 7/2, 16 cfs; 7/9, 12 cfs; 7/16, 38 cfs; 7/24, 25 cfs; 7/30, 19 cfs; 8/7, 16 cfs; 8/13, 23 cfs; 8/20, 18 cfs; 8/28, 8 cfs; 9/4, 8 cfs; 9/10, 11 cfs; 9/17, 11 cfs; 9/24, 11 cfs</p>
1997	<p>5/6, Off; 5/13, Off; 5/21, 16 cfs; 5/28, 15 cfs; 6/4, 26 cfs; 6/8, Off; 6/15, Off; 6/26, Off; 7/2, 14 cfs; 7/8, 33 cfs; 7/15, 17 cfs; 7/24, 24 cfs; 7/29, 26 cfs; 7/31, 28 cfs; 8/5, 25 cfs; 8/12, 13 cfs; 8/19, 11 cfs; 8/26, 18 cfs; 9/3, 16 cfs; 9/10, 9 cfs; 9/16, 10 cfs; 9/23, 6 cfs; 9/30, Off</p>
1998	<p>4/9, 3 cfs; 4/28, 11 cfs; 5/5, 9 cfs; 5/13, 7 cfs; 5/19, 8 cfs; 5/28, 21 cfs; 6/2, 26 cfs; 6/9, 12 cfs; 6/10, 14 cfs; 6/16, Off; 6/22, Off; 6/25, Off; 7/1, 16 cfs; 7/8, 20 cfs; 7/14, 27 cfs; 7/22, 30 cfs; 7/29, 30 cfs; 8/5, 17 cfs; 8/11, 22 cfs; 8/18, 18 cfs; 8/26, 18 cfs; 9/1, 18 cfs; 9/4, 16 cfs; 9/11, 17 cfs; 9/15, 10 cfs; 9/22, 10 cfs; 9/28, 9 cfs</p>
1999	<p>3/16, 7 cfs; 3/26, 2 cfs; 4/14, 16 cfs; 4/30, 5 cfs; 5/4, 9 cfs; 5/14, 3 cfs; 5/28, 3 cfs; 6/2, 5 cfs; 6/8, 19 cfs; 6/15, 16 cfs; 6/21, Off; 6/30, 14 cfs; 7/9, 19 cfs; 7/14, 24 cfs; 7/20, 14 cfs; 7/27, 15 cfs; 8/4, 14 cfs; 8/10, 14 cfs; 8/18, 6 cfs; 8/25, 6 cfs; 9/2, 10 cfs; 9/9, 5 cfs; 9/22, 8 cfs; 9/28, 2 cfs</p>
2000	

2001	5/4, 5.25 cfs; 5/8, 3.68 cfs; 5/15, 13.93 cfs; 5/25, 11.05 cfs; 6/1, 11.07 cfs; 6/5, 12.95 cfs; 6/12, 12.09 cfs; 6/21, 5.39 cfs; 6/27, 4.84 cfs; 7/2, 4.84 cfs; 7/10, 9.13 cfs; 7/17, 10.35 cfs; 7/24, 5.35 cfs; 8/2, 7.33 cfs; 8/6, 9.48 cfs; 8/15, 9.48 cfs; 8/24, 3.93 cfs; 8/28, Off; 9/4, Off; 9/18, 4.05 cfs; 9/24, 5.39 cfs
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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.

DESCRIPTION AND OPERATION MEMORANDUM

ROCKY DITCH

USGS ID 44108 B8 USGS NAME MEETEETSE WEST

DIVERSION DESCRIPTION

One 4' screw type sliding metal gate in sheet metal supports.

DIVERSION LOCATION

Source: Greybull River
S 83° 30' W, 3500 feet from the NE corner of Section 24, Township 48N, Range 101W.

CONVEYANCE DESCRIPTION

Open dirt ditch 3 miles long delivering water to approximately 525 acres. Ditch capacity is ~ 15 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
12/01/1889	Terr.	Irr.	20.00	0.28		0.28	
2/08/1900	497E	Irr.	35.00	0.50		0.78	
11/09/1900	598E	Irr.	167.00	2.38		3.16	
10/14/1908	1961E	Irr.	57.00	0.81		3.97	
2/01/1969	6325E	Irr.	38.00	0.54		4.51	
2/01/1969	6326E	Ind.		1.25		5.76	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, pump enlargements to movable sprinklers, short growing season.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, occasional small grains, lawn and garden.

RETURN FLOWS

Minimal; to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Gould Ranch Co.
Meeteetse, WY
(307)868-2417

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	6/7, 2.01 cfs; 6/8, 2.01 cfs; 6/9, 2.24 cfs; 6/10, 2.24 cfs; 6/11, 2.73 cfs; 6/12, 2.73 cfs; 6/13, 2.73 cfs; 6/14, 2.73 cfs; 6/15, 2.73 cfs; 6/16, 8 cfs; 6/17, 10.07 cfs; 6/18, 10.07 cfs; 6/19, 10.07 cfs; 6/20, 9.93 cfs; 6/21, 12.01 cfs; 6/22, 12.01 cfs; 6/23, 12.01 cfs; 6/24, 17.22 cfs; 6/25, 17.22 cfs; 6/26, 17.22 cfs; 6/27, 16.73 cfs; 6/28, 16.73 cfs; 6/29, 17.38 cfs; 6/30, 17.38 cfs; 7/1, 3.72 cfs; 7/2, 3.72 cfs; 7/3, 3.72 cfs; 7/4, 3.72 cfs; 7/5, 3.72 cfs; 7/6, 3.62 cfs; 7/7, 3.62 cfs; 7/8, 13.47 cfs; 7/9, 13.47 cfs; 7/10, 13.47 cfs; 7/11, 3.62 cfs; 7/12, 3.62 cfs; 7/13, 3.44 cfs; 7/14, 3.44 cfs; 7/15, 3.44 cfs; 7/16, 3.26 cfs; 7/17, 3.26 cfs; 7/18, 3.26 cfs; 7/19, 3.26 cfs; 7/20, 3.26 cfs; 7/21, 3.26 cfs; 7/22, 10.75 cfs; 7/23, 10.75 cfs; 7/24, 10.75 cfs; 7/25, 10.75 cfs; 7/26, 10.75 cfs; 7/27, 10.75 cfs; 7/28, 10.75 cfs; 7/29, 10.61 cfs; 7/30, 10.61 cfs; 7/31, 10.61 cfs; 8/1, 10.61 cfs; 8/2, 10.61 cfs; 8/3, 10.61 cfs; 8/4, 9.27 cfs; 8/5, 9.27 cfs; 8/6, 9.27 cfs; 8/7, 9.27 cfs; 8/8, 9.27 cfs; 8/9, 9.27 cfs;
	8/10, 9.8 cfs; 8/11, 9.8 cfs; 8/12, 9.8 cfs; 8/13, 9.8 cfs; 8/14, 9.8 cfs; 8/15, 9.8 cfs; 8/16, 9.8 cfs; 8/17, 9.8 cfs; 8/18, 10.07 cfs; 8/19, 10.07 cfs; 8/20, 10.07 cfs; 8/21, 10.07 cfs; 8/22, 10.07 cfs; 8/23, 10.07 cfs; 8/24, 9.54 cfs; 8/25, 9.54 cfs; 8/26, 9.54 cfs; 8/27, 10.89 cfs; 8/28, 10.89 cfs; 8/29, 10.89 cfs; 8/30, 0.66 cfs; 8/31, 0.66 cfs; 9/1, 0.66 cfs; 9/2, 0.66 cfs; 9/3, 0.66 cfs; 9/4, 0.66 cfs; 9/5, 0.66 cfs; 9/6, 0.66 cfs; 9/7, 0.66 cfs; 9/8, 0.66 cfs; 9/9, 0.66 cfs; 9/10, 0.66 cfs; 9/11, 0.66 cfs; 9/12, 0.66 cfs; 9/13, 0.66 cfs; 9/14, 0.66 cfs; 9/15, 0.66 cfs; 9/16, 0.66 cfs; 9/17, 0.66 cfs; 9/18, 0.66 cfs; 9/19, 0.66 cfs; 9/20, 0.66 cfs
1984	5/12, 1.44 cfs; 5/13, 1.44 cfs; 5/28, 8.5 cfs; 5/29, 8.5 cfs; 5/30, 8.5 cfs; 5/31, 11.3 cfs; 6/1, 11.3 cfs; 6/2, 11.3 cfs; 6/3, 11.3 cfs; 6/4, 11.3 cfs; 6/5, 7.75 cfs; 6/6, 7.75 cfs; 6/7, 7.75 cfs; 6/8, 7.75 cfs; 6/9, 7.75 cfs; 6/10, 7.75 cfs; 6/11, 7.75 cfs; 6/12, 7.75 cfs; 6/13, 7.75 cfs; 6/14, 8 cfs; 6/15, 8 cfs; 6/16, 8 cfs; 6/17, 8 cfs; 6/18, 8 cfs; 6/19, 8 cfs; 6/20, 8 cfs; 6/21, 8 cfs; 6/22, 8 cfs; 6/23, 8 cfs; 6/24, 8 cfs; 6/25, 8 cfs; 6/26, 8 cfs; 6/27, 13.77 cfs; 6/28, 13.77 cfs; 6/29, 13.77 cfs; 6/30, 13.77 cfs; 7/1, 13.77 cfs; 7/2, 13.77 cfs; 7/3, 4.6 cfs; 7/4, 4.6 cfs; 7/5, 4.6 cfs; 7/6, 4.6 cfs; 7/7, 4.6 cfs; 7/8, 4.6 cfs; 7/9, 2.09 cfs; 7/10, 1.57 cfs; 7/11, 1.57 cfs; 7/12, 1.37 cfs; 7/13, 1.37 cfs; 7/14, 10.75 cfs; 7/15, 10.75 cfs; 7/16, 10.75 cfs; 7/17, 10.75 cfs; 7/18, 10.75 cfs; 7/19, 10.75 cfs; 7/20, 10.75 cfs; 7/21, 10.48 cfs; 7/22, 10.48 cfs; 7/23, 10.61 cfs; 7/24, 10.61 cfs; 7/25, 9.93 cfs; 7/26, 9.93 cfs; 7/27, 9.93 cfs; 7/28, 9.93 cfs; 7/29, 9.93 cfs; 7/30, 9.93 cfs; 7/31, 10.75 cfs; 8/1, 10.75 cfs; 8/2, 10.75 cfs; 8/3, 10.75 cfs; 8/4, 10.75 cfs; 8/5, 10.75 cfs; 8/6, 10.75 cfs; 8/7, 10.75 cfs; 8/8, 3.26 cfs; 8/9, 3.26 cfs; 8/10, 3.26 cfs; 8/11, 3.26 cfs; 8/12, 3.26 cfs; 8/13, 10.75 cfs; 8/14, 10.75 cfs; 8/15, 10.75 cfs; 8/16, 10.75 cfs; 8/17, 10.75 cfs; 8/18, 10.75 cfs; 8/19, 10.75 cfs; 8/20, 10.75 cfs; 8/21, 10.75 cfs
1985	6/24, 6.22 cfs; 6/25, 6.22 cfs; 6/26, 6.22 cfs; 6/27, 6.22 cfs; 6/28, 8 cfs; 6/29, 8 cfs; 6/30, 8 cfs; 7/1, 6.22 cfs; 7/2, 6.22 cfs; 7/3, 6.22 cfs; 7/4, 6.22 cfs; 7/5, 6.22 cfs; 7/6, 5.34 cfs; 7/7, 5.34 cfs; 7/8, 5.34 cfs; 7/9, 5.34 cfs; 7/10, 5.34 cfs; 7/11, 5.34 cfs; 7/12, 6.32 cfs; 7/13, 3.26 cfs; 7/14, 3.26 cfs; 7/15, 3.26 cfs; 7/16, 3.26 cfs; 7/17, 6.22 cfs; 7/18, 6.22 cfs; 7/19, 6.22 cfs; 7/20, 6.22 cfs; 7/21, 6.22 cfs; 7/22, 6.22 cfs; 7/23, 6.22 cfs; 7/24, 6.22 cfs; 7/25, 6.22 cfs; 7/26, 6.22 cfs; 7/27, 6.22 cfs; 7/28, 6.22 cfs; 7/29, 6.22 cfs; 7/30, 6.22 cfs; 7/31, 6.22 cfs; 8/1, 6.22 cfs; 8/2, 6.22 cfs; 8/3, 3.26 cfs; 8/4, 3.26 cfs; 8/5, 3.26 cfs; 8/6, 3.26 cfs; 8/7, 3.26 cfs; 8/8, 3.26 cfs; 8/9, 3.26 cfs; 8/10, 3.26 cfs; 8/11, 3.26 cfs; 8/12, 3.26 cfs; 8/13, 3.26 cfs; 8/14, 3.26 cfs; 8/15, 3.26 cfs; 8/16, 3.26 cfs; 8/17, 3.26 cfs; 8/18, 3.26 cfs; 8/19, 3.26 cfs; 8/20, 3.26 cfs; 8/21, 3.26 cfs; 8/22, 3.26 cfs; 8/23, 3.26 cfs; 8/24, 3.26 cfs; 8/25, 3.26 cfs; 8/26, 3.26 cfs; 8/27, 3.26 cfs; 8/28, 3.26 cfs; 8/29, 6.22 cfs; 8/30, 6.22 cfs; 8/31, 3.26 cfs; 9/1, 3.26 cfs; 9/2, 3.26 cfs; 9/3, 6.22 cfs; 9/4, 6.22 cfs; 9/5, 4.71 cfs; 9/6, 3.26 cfs; 9/7, 3.26 cfs; 9/8, 3.26 cfs; 9/9, 3.26 cfs; 9/10, 3.26 cfs; 9/11, 3.26 cfs; 9/12, 3.26 cfs; 9/13, 3.26 cfs; 9/14, 3.26 cfs; 9/15, 3.26 cfs; 9/16, 3.26 cfs; 9/17, 3.26 cfs; 9/18, 3.26 cfs; 9/19, 3.08 cfs; 9/20, 1.24 cfs; 9/21, 1.24 cfs; 9/22, 1.24 cfs; 9/23, 3.26 cfs; 9/24, 3.26 cfs; 9/25, 3.26 cfs; 9/26, 3.26 cfs; 9/27, 3.26 cfs
1986	5/28, 12.88 cfs; 5/29, 12.88 cfs; 5/30, 12.88 cfs; 5/31, 12.88 cfs; 6/1, 12.88 cfs; 6/2, 12.88 cfs; 6/3, 16.57 cfs; 6/4, 16.57 cfs; 6/5, 16.57 cfs; 6/6, 14.53 cfs; 6/7, 14.53 cfs; 6/8, 14.53 cfs; 6/9, 4.01 cfs; 6/10, 12.01 cfs; 6/11, 12.01 cfs; 6/12, 12.01 cfs; 6/13, 12.01 cfs; 6/14, 12.01 cfs; 6/15, 12.01 cfs; 6/16, 11.16 cfs; 6/17, 11.16 cfs; 6/18, 10.89 cfs; 6/19, 10.89 cfs; 6/20, 8 cfs; 6/21, 8 cfs; 6/22, 8 cfs; 6/23, 8 cfs; 6/24, 6.79 cfs; 6/25, 6.79 cfs; 6/26, 6.79 cfs; 6/27, 8.37 cfs; 6/28, 8.37 cfs; 6/29, 8.37 cfs; 6/30, 8 cfs; 7/1, 8 cfs; 7/2, 8 cfs; 7/3, 8 cfs; 7/4, 8 cfs; 7/8, 8.76 cfs; 7/9, 8.76 cfs; 7/10, 8.76 cfs; 7/11, 8.76 cfs; 7/12, 8.76 cfs; 7/13, 8.76 cfs; 7/14, 8.76 cfs; 7/15, 8.76 cfs; 7/16, 8.76 cfs; 7/17, 6.22 cfs; 7/18, 6.22 cfs; 7/19, 8.76 cfs; 7/20, 8.76 cfs; 7/21, 8.76 cfs; 7/22, 8.76 cfs; 7/23, 8.76 cfs; 7/24, 8.76 cfs; 7/25, 8.76 cfs; 7/26, 8.25 cfs; 7/27, 8.25 cfs; 7/28, 8.25 cfs; 7/29, 8.25 cfs; 7/30, 8.25 cfs; 7/31, 8.25 cfs; 8/1, 8.25 cfs; 8/2, 8.25 cfs; 8/3, 8.25 cfs; 8/4, 8.25 cfs; 8/5, 8.25 cfs; 8/6, 8.25 cfs; 8/7, 8.25 cfs; 8/8, 8.25 cfs; 8/9, 8.25 cfs; 8/10, 8.25 cfs; 8/11, 8.25 cfs; 8/12, 8.25 cfs; 8/13, 8.25 cfs; 8/14, 8.25 cfs; 8/15, 8.25 cfs; 8/16, 8.25 cfs; 8/17, 8.25 cfs; 8/18, 8 cfs; 8/19, 8 cfs; 8/20, 8 cfs; 8/21, 5.77 cfs; 8/22, 3.26 cfs; 8/23, 3.26 cfs; 8/24, 3.26 cfs; 8/25, 3.26 cfs
1995	8/2, 8 cfs; 8/14, 8 cfs; 8/21, 8 cfs; 8/23, 12.01 cfs; 8/25, 12.01 cfs; 8/28, 12.01 cfs; 9/6, 12 cfs; 9/8, 12 cfs; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/21, Off; 5/22, 1.24 cfs; 5/28, 1.24 cfs; 6/3, 8 cfs; 6/4, 12.01 cfs; 6/11, 12.01 cfs; 6/17, 12.01 cfs; 6/24, 12.01 cfs; 7/3, 15 cfs; 7/9, 15 cfs; 8/2, 4.6 cfs; 8/19, 3.52 cfs; 8/26, 3.62 cfs; 9/5, 5.66 cfs; 9/9, 5.66 cfs; 9/16, 5.66 cfs; 9/23, Off
1997	5/22, 2.07 cfs; 5/27, 9.27 cfs; 6/26, 2.73 cfs; 7/1, 5.66 cfs; 7/9, 5.66 cfs; 7/25, Off; 8/4, Off; 8/21, 1.93 cfs; 8/29, 1.5 cfs; 9/3, 8 cfs; 9/17, 9.27 cfs; 9/30, 8 cfs
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/27, 3.5 cfs; 6/10, 10.34 cfs; 6/22, 12.88 cfs; 6/29, 8 cfs; 7/7, 8 cfs; 7/15, 8 cfs; 7/24, 1.24 cfs; 8/11, 8.19 cfs; 8/21, 5.02 cfs; 9/3, 1.44 cfs; 9/10, 1.44 cfs; 9/15, 1.44 cfs; 9/29, Off
1999	6/1, Off; 6/7, Off; 6/15, 5 cfs; 7/1, 5 cfs; 7/8, 15 cfs; 7/28, 3 cfs; 8/18, 8 cfs; 8/23, 8 cfs; 8/30, 5.88 cfs
2000	5/24, 4 cfs; 6/11, 6 cfs; 7/20, 0.5 cfs; 8/1, 0.5 cfs; 8/11, 8 cfs; 8/28, 12 cfs; 9/6, 12 cfs; 9/13, 5.66 cfs
2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 2.73 cfs; 6/11, 5 cfs; 6/19, 5 cfs; 6/27, 5 cfs; 7/2, Off; 7/18, Off; 7/23, Off; 7/28, Off; 8/2, Off; 8/5, Off; 8/7, Off; 8/8, Off; 8/14, Off; 8/20, Off; 8/28, Off

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.

DESCRIPTION AND OPERATION MEMORANDUM

RUBY DITCH

USGS ID 44108 B8, 44108 B7 USGS NAME MEETEETSE WEST, MEETEETSE EAST

DIVERSION DESCRIPTION

One 4' wide wooden gate on screw stem in timber headwall.

DIVERSION LOCATION

Source: Greybull River

N 51° E, 2218' from the SW corner Section 8, Township 48N, Range 100W, and is in the NE 1/4 SW 1/4 Section 8.

CONVEYANCE DESCRIPTION

Open dirt ditch 2.5 miles long serving approximately 570 acres. Ditch capacity ~ 15 c.f.s., 1/4 mile of buried pipe
2 users

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
4/25/1888	Terr.	Irr.	570.20	8.14		8.14	

STORAGE RIGHTS

Sunshine Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some use of gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, occasional small grains, lawn and garden.

RETURN FLOWS

To Greybull River, some via Spring Creek.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

John Ragsdale
Meeteetse, WY
(307) 868-2580

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	<p>6/4, 16.25 cfs; 6/5, 16.25 cfs; 6/6, 16.25 cfs; 6/7, 16.25 cfs; 6/8, 16.57 cfs; 6/9, 16.57 cfs; 6/10, 16.57 cfs; 6/11, 15.94 cfs; 6/12, 15.94 cfs; 6/13, 15.94 cfs; 6/14, 15.94 cfs; 6/15, 16.25 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 16.25 cfs; 6/21, 16.25 cfs; 6/22, 16.44 cfs; 6/23, 16.44 cfs; 6/24, 16.44 cfs; 6/25, 17.06 cfs; 6/26, 17.06 cfs; 6/27, 17.06 cfs; 6/28, 17.06 cfs; 6/29, 17.38 cfs; 6/30, 17.38 cfs; 7/1, 17.38 cfs; 7/2, 17.38 cfs; 7/3, 17.38 cfs; 7/4, 17.38 cfs; 7/5, 17.38 cfs; 7/6, 17.06 cfs; 7/7, 17.06 cfs; 7/8, 17.06 cfs; 7/9, 16.57 cfs; 7/10, 16.57 cfs; 7/11, 16.57 cfs; 7/12, 16.57 cfs; 7/13, 8.12 cfs; 7/18, 7.03 cfs; 7/19, 7.03 cfs; 7/20, 7.03 cfs; 7/21, 7.03 cfs; 7/22, 7.03 cfs; 7/23, 8.12 cfs; 7/24, 8.12 cfs; 7/25, 8.12 cfs; 7/26, 8.12 cfs; 7/27, 8.12 cfs; 7/28, 5.88 cfs; 7/29, 5.88 cfs; 7/30, 5.88 cfs; 7/31, 5.88 cfs; 8/1, 5.88 cfs; 8/2, 6.91 cfs; 8/3, 2.01 cfs; 8/4, 2.01 cfs; 8/5, 2.01 cfs; 8/6, 2.01 cfs; 8/7, 2.01 cfs; 8/8, 2.01 cfs; 8/9, 2.01 cfs; 8/10, 7.27 cfs;</p> <p>8/11, 7.27 cfs; 8/12, 7.27 cfs; 8/13, 7.27 cfs; 8/14, 7.27 cfs; 8/15, 8.12 cfs; 8/16, 8.12 cfs; 8/17, 8.12 cfs; 8/18, 8 cfs; 8/19, 8 cfs; 8/20, 8 cfs; 8/21, 8 cfs; 8/22, 8 cfs; 8/23, 7.51 cfs; 8/24, 7.51 cfs; 8/25, 7.51 cfs; 8/26, 7.15 cfs; 8/27, 7.15 cfs; 8/28, 7.15 cfs; 8/29, 7.15 cfs; 8/30, 7.15 cfs; 8/31, 7.15 cfs; 9/1, 7.15 cfs; 9/2, 7.15 cfs; 9/3, 7.15 cfs; 9/4, 7.15 cfs; 9/5, 1.17 cfs; 9/6, 1.17 cfs; 9/7, 11.73 cfs; 9/8, 11.73 cfs; 9/9, 11.73 cfs; 9/10, 11.73 cfs; 9/11, 11.73 cfs; 9/12, 11.73 cfs; 9/13, 12.16 cfs; 9/14, 12.16 cfs; 9/15, 12.16 cfs; 9/16, 12.16 cfs; 9/17, 12.01 cfs; 9/18, 12.01 cfs</p>
1984	<p>5/22, 15 cfs; 5/23, 15 cfs; 5/24, 21.63 cfs; 5/25, 21.63 cfs; 5/26, 21.63 cfs; 5/27, 21.63 cfs; 5/28, 21.63 cfs; 5/29, 20.06 cfs; 5/30, 20.06 cfs; 5/31, 20.06 cfs; 6/1, 20.06 cfs; 6/2, 20.06 cfs; 6/3, 20.06 cfs; 6/4, 20.06 cfs; 6/5, 9.01 cfs; 6/6, 9.01 cfs; 6/7, 9.01 cfs; 6/8, 9.01 cfs; 6/9, 9.01 cfs; 6/10, 9.01 cfs; 6/11, 9.01 cfs; 6/12, 9.01 cfs; 6/13, 3.9 cfs; 6/14, 3.9 cfs; 6/15, 3.9 cfs; 6/16, 3.9 cfs; 6/17, 3.9 cfs; 6/18, 4.91 cfs; 6/19, 4.91 cfs; 6/20, 4.91 cfs; 6/21, 2.73 cfs; 6/22, 2.73 cfs; 6/23, 2.73 cfs; 6/24, 2.73 cfs; 6/25, 16.25 cfs; 6/26, 16.25 cfs; 6/27, 16.25 cfs; 6/28, 16.25 cfs; 6/29, 16.25 cfs; 6/30, 16.25 cfs; 7/1, 16.25 cfs; 7/2, 16.25 cfs; 7/3, 23.97 cfs; 7/4, 23.97 cfs; 7/5, 21.28 cfs; 7/6, 21.28 cfs; 7/7, 24.33 cfs; 7/8, 24.33 cfs; 7/9, 12.3 cfs; 7/10, 12.3 cfs; 7/11, 7.51 cfs; 7/12, 7.51 cfs; 7/13, 7.51 cfs; 7/14, 7.51 cfs; 7/15, 7.51 cfs; 7/16, 7.51 cfs; 7/17, 8.12 cfs; 7/18, 8.12 cfs; 7/19, 8.12 cfs; 7/20, 8.12 cfs; 7/21, 8.12 cfs; 7/22, 8.12 cfs; 7/23, 8.12 cfs; 7/24, 8.12 cfs;</p> <p>7/25, 8.12 cfs; 7/26, 8.12 cfs; 7/27, 8.12 cfs; 7/28, 8.12 cfs; 7/29, 8.12 cfs; 7/30, 8.12 cfs; 7/31, 8.12 cfs; 8/1, 8.12 cfs; 8/2, 8.12 cfs; 8/3, 8.12 cfs; 8/4, 8.12 cfs; 8/5, 8.12 cfs; 8/6, 8.12 cfs; 8/7, 8.12 cfs; 8/8, 8.12 cfs; 8/9, 9.14 cfs; 8/10, 9.14 cfs; 8/11, 9.14 cfs; 8/12, 9.14 cfs; 8/13, 9.14 cfs; 8/14, 11.16 cfs; 8/15, 11.16 cfs; 8/16, 11.16 cfs; 8/17, 11.16 cfs; 8/18, 11.16 cfs; 8/19, 11.16 cfs; 8/20, 10.2 cfs; 8/21, 10.2 cfs; 8/22, 10.2 cfs; 8/23, 10.2 cfs; 8/24, 10.2 cfs; 8/25, 10.2 cfs; 8/26, 10.2 cfs; 8/27, 1.93 cfs; 8/28, 2.9 cfs; 8/29, 2.9 cfs; 8/30, 2.9 cfs; 8/31, 2.9 cfs; 9/1, 1.93 cfs; 9/2, 1.93 cfs; 9/3, 1.93 cfs; 9/4, 1.93 cfs; 9/5, 1.93 cfs; 9/6, 8.12 cfs; 9/7, 8.12 cfs; 9/8, 8.12 cfs; 9/9, 8.12 cfs; 9/10, 8.12 cfs; 9/11, 8.12 cfs; 9/12, 8.12 cfs; 9/13, 8.12 cfs; 9/14, 8.12 cfs; 9/15, 8.12 cfs; 9/16, 8.12 cfs; 9/17, 8.12 cfs; 9/18, 8.12 cfs; 9/19, 10.07 cfs; 9/20, 10.07 cfs; 9/21, 10.07 cfs; 9/22, 10.07 cfs; 9/23, 10.07 cfs; 9/24, 10.07 cfs</p>
1985	<p>6/24, 10.2 cfs; 6/25, 10.2 cfs; 6/26, 10.2 cfs; 6/27, 10.2 cfs; 6/28, 10.2 cfs; 6/29, 10.2 cfs; 6/30, 10.2 cfs; 7/1, 8.12 cfs; 7/2, 8.12 cfs; 7/3, 8.12 cfs; 7/4, 8.12 cfs; 7/5, 8.12 cfs; 7/6, 8.12 cfs; 7/7, 8.12 cfs; 7/8, 8.12 cfs; 7/9, 8.12 cfs; 7/10, 8.12 cfs; 7/11, 8.12 cfs; 7/12, 9.14 cfs; 7/13, 9.14 cfs; 7/14, 9.14 cfs; 7/15, 3.62 cfs; 7/16, 3.62 cfs; 7/17, 3.62 cfs; 7/18, 9.14 cfs; 7/19, 9.14 cfs; 7/20, 8.12 cfs; 7/21, 8.12 cfs; 7/22, 8.12 cfs; 7/23, 8.12 cfs; 7/24, 8.12 cfs; 7/25, 8.12 cfs; 7/26, 8.12 cfs; 7/27, 7.88 cfs; 7/28, 7.88 cfs; 7/29, 10.07 cfs; 7/30, 10.07 cfs; 7/31, 10.07 cfs; 8/1, 10.07 cfs; 8/2, 10.07 cfs; 8/3, 9.8 cfs; 8/4, 9.8 cfs; 8/5, 9.8 cfs; 8/6, 9.8 cfs; 8/7, 9.8 cfs; 8/8, 8.12 cfs; 8/9, 8.12 cfs; 8/10, 8.12 cfs; 8/11, 8.12 cfs; 8/12, 8.12 cfs; 8/13, 8.12 cfs; 8/14, 8.12 cfs; 8/15, 8.12 cfs; 8/16, 8.12 cfs; 8/17, 8.12 cfs; 8/18, 8.12 cfs; 8/19, 2.4 cfs; 8/20, 2.4 cfs; 8/21, 2.4 cfs; 8/22, 2.4 cfs; 8/23, 2.4 cfs; 8/24, 10.2 cfs; 8/25, 10.2 cfs; 8/26, 10.2 cfs; 8/27, 10.2 cfs; 8/28, 10.2 cfs;</p> <p>8/29, 10.2 cfs; 8/30, 10.2 cfs; 8/31, 10.2 cfs; 9/1, 10.2 cfs; 9/2, 10.2 cfs; 9/3, 7.51 cfs; 9/4, 7.51 cfs; 9/5, 7.51 cfs; 9/6, 7.51 cfs; 9/7, 7.51 cfs; 9/8, 7.51 cfs; 9/9, 7.51 cfs; 9/10, 7.03 cfs; 9/11, 7.03 cfs; 9/12, 7.03 cfs; 9/13, 7.03 cfs; 9/14, 8.12 cfs; 9/15, 8.12 cfs; 9/16, 8.12 cfs; 9/17, 8.12 cfs; 9/18, 8.12 cfs; 9/19, 8.12 cfs; 9/20, 8.12 cfs; 9/21, 8.12 cfs; 9/22, 8.12 cfs; 9/23, 8.12 cfs; 9/24, 8.12 cfs; 9/25, 8.12 cfs; 9/26, 8.12 cfs; 9/27, 8.12 cfs</p>
1986	<p>5/21, 3.17 cfs; 5/22, 3.17 cfs; 5/23, 3.17 cfs; 5/24, 3.17 cfs; 5/25, 3.17 cfs; 5/26, 3.17 cfs; 5/27, 10.07 cfs; 5/28, 10.07 cfs; 5/29, 17.71 cfs; 5/30, 17.71 cfs; 5/31, 17.71 cfs; 6/1, 17.71 cfs; 6/2, 20.93 cfs; 6/3, 20.93 cfs; 6/4, 20.93 cfs; 6/5, 20.93 cfs; 6/6, 20.93 cfs; 6/7, 20.06 cfs; 6/8, 20.06 cfs; 6/9, 20.06 cfs; 6/10, 13.47 cfs; 6/11, 13.47 cfs; 6/12, 13.47 cfs; 6/13, 3.08 cfs; 6/14, 3.08 cfs; 6/15, 3.08 cfs; 6/16, 17.71 cfs; 6/17, 17.71 cfs; 6/18, 17.71 cfs; 6/19, 17.71 cfs; 6/20, 16.73 cfs; 6/21, 16.73 cfs; 6/22, 16.73 cfs; 6/23, 16.73 cfs; 6/24, 16.73 cfs; 6/25, 16.73 cfs; 6/26, 16.25 cfs; 6/27, 16.25 cfs; 6/28, 17.22 cfs; 6/29, 17.22 cfs; 6/30, 17.22 cfs; 7/1, 16.25 cfs; 7/2, 16.25 cfs; 7/3, 16.25 cfs; 7/4, 16.25 cfs; 7/5, 16.25 cfs; 7/6, 16.25 cfs; 7/7, 8.12 cfs; 7/8, 8.12 cfs; 7/9, 8.12 cfs; 7/10, 8.12 cfs; 7/11, 4.6 cfs; 7/12, 4.6 cfs; 7/13, 4.6 cfs; 7/14, 4.6 cfs; 7/15, 2.82 cfs; 7/16, 2.82 cfs; 7/17, 2.82 cfs; 7/18, 2.82 cfs; 7/19, 2.16 cfs; 7/20, 2.16 cfs; 7/21, 8.12 cfs; 7/22, 9.14 cfs;</p> <p>7/23, 9.14 cfs; 7/24, 11.16 cfs; 7/25, 11.16 cfs; 7/26, 11.16 cfs; 7/27, 11.16 cfs; 7/28, 10.2 cfs; 7/29, 10.2 cfs; 7/30, 10.2 cfs; 7/31, 10.2 cfs; 8/1, 10.2 cfs; 8/2, 10.2 cfs; 8/3, 10.2 cfs; 8/4, 10.2 cfs; 8/5, 10.2 cfs; 8/6, 11.16 cfs; 8/7, 11.16 cfs; 8/8, 11.16 cfs; 8/9, 10.2 cfs; 8/10, 10.2 cfs; 8/11, 8.12 cfs; 8/12, 8.12 cfs; 8/13, 9.14 cfs; 8/14, 9.14 cfs; 8/15, 9.14 cfs; 8/16, 9.14 cfs; 8/17, 9.14 cfs; 8/18, 9.14 cfs; 8/19, 9.14 cfs; 8/20, 9.14 cfs; 8/21, 8.12 cfs; 8/22, 10.2 cfs; 8/23, 10.2 cfs; 8/24, 10.2 cfs; 8/25, 10.2 cfs; 8/26, 10.2 cfs; 8/27, 10.2 cfs; 8/28, 10.2 cfs; 8/29, 10.2 cfs; 8/30, 10.2 cfs; 8/31, 10.2 cfs; 9/1, 10.2 cfs; 9/2, 10.2 cfs; 9/3, 10.2 cfs; 9/4, 10.2 cfs; 9/5, 10.2 cfs; 9/6, 10.2 cfs; 9/7, 10.2 cfs; 9/8, 8.12 cfs; 9/9, 8.12 cfs; 9/10, 8.12 cfs; 9/11, 8.12 cfs</p>
1995	8/2, 16.57 cfs; 8/4, 12 cfs; 8/7, 12 cfs; 8/14, 12 cfs; 8/21, 10.07 cfs; 8/23, 8 cfs; 8/25, 8 cfs; 8/28, 8 cfs; 9/6, Off; 9/8, Off; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/17, Off; 5/20, 8.14 cfs; 5/28, 8.14 cfs; 6/3, 8.14 cfs; 6/7, 18.2 cfs; 6/14, 18.2 cfs; 6/21, 18.2 cfs; 6/28, 18.2 cfs; 7/2, 18.2 cfs; 7/9, 18.2 cfs; 7/22, 10.07 cfs; 7/29, 10.07 cfs; 8/19, 8 cfs; 8/26, 8 cfs; 9/5, 8 cfs; 9/9, 8.11 cfs; 9/16, 8.11 cfs; 9/23, 5.66 cfs
1997	6/26, 15 cfs; 6/30, 15 cfs; 7/24, Off; 7/30, 8.19 cfs; 8/4, 8 cfs; 8/29, 8 cfs; 9/3, 8 cfs; 9/17, 9.27 cfs; 9/30, 8 cfs
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/13, Off; 5/25, 10.07 cfs; 6/10, 10.34 cfs; 6/16, 8 cfs; 6/23, Off; 6/29, 16.57 cfs; 7/7, 8 cfs; 7/14, 9.8 cfs; 7/24, Off; 8/7, 18.2 cfs; 8/11, 13.5 cfs; 8/21, 13.47 cfs; 8/31, Off; 9/9, Off; 9/15, Off; 9/29, 8 cfs
1999	6/1, 15 cfs; 6/7, 15 cfs; 6/15, 15 cfs; 6/28, 15 cfs; 7/8, 16.57 cfs; 7/16, 9.27 cfs; 7/28, 17.87 cfs; 8/18, 8.14 cfs; 8/23, 8.14 cfs; 8/30, 8.14 cfs
2000	5/24, 8 cfs; 6/11, 8 cfs; 7/12, 13.47 cfs; 7/19, 13.47 cfs; 8/1, 13 cfs; 8/11, 13 cfs; 8/15, 16.57 cfs; 8/21, 9.01 cfs; 8/28, 8 cfs; 9/6, 8 cfs; 9/13, 8 cfs

2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 8 cfs; 6/11, 3 cfs; 6/19, Off; 6/27, Off; 7/2, 4.01 cfs; 7/18, Off; 7/23, 10 cfs; 7/28, 10 cfs; 8/2, 10 cfs; 8/5, 10 cfs; 8/7, 10 cfs; 8/8, 10 cfs; 8/14, 10 cfs; 8/20, 8 cfs; 8/28, 4.02 cfs
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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.

DESCRIPTION AND OPERATION MEMORANDUM

SANDSTONE DITCH

USGS ID 44108 D2 USGS NAME GOULD BUTTE

DIVERSION DESCRIPTION

One 4' sliding metal screw type headgate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River

N 4° 25'W, 4290' from NE corner Section 28, Township 51N, Range 95W, and lying in Lot 71, Township 51N, Range 95W

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 7.5 miles long with three major laterals (Hall lateral, Edgecomb Extension and Gould Extension) which add approximately 14 miles of ditch. Spillgate located 1 1/4 miles down ditch. Supplies water to approximately 2500 acres, ditch capacity approximately 45 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
3/26/1902	3796	Irr.	869.00	13.73		14.76	
12/08/1904	1327E	Irr.	741.85	10.59		26.31	
6/22/1905	1397E	Irr.,Dom.	456.00	6.50		32.81	
12/13/1906	1676E	Irr.	39.55	0.57		33.38	
1/22/1909	2005E	Irr.	66.00	0.94		34.32	
7/08/1911	2480E	Irr.,Dom.	225.00	3.21		38.19	

STORAGE RIGHTS

Upper Sunshine, Lower Sunshine and Greybull Valley reservoirs.

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 35-40% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some gated pipe, some buried pipe, some concrete lining.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grain, occasional beans, beets, corn, pasture, lawns and gardens.

RETURN FLOWS

Minimal - any returns go to Greybull River directly or via Dorsey Creek.

OTHER OPERATIONAL INFORMATION

Private ditch at lower end of Greybull River. Has extreme difficulty maintaining adequate water supply, often lives off of return flows from canals upstream. No formal organization or employees.

CONTACT INFORMATION

Lee Adams (Sandstone Ditch Company)
Basin, WY
(307)568-2876

PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY.

DIVERSION RECORD

Year	Measured Data
1983	
1984	6/4, 13.3 cfs; 7/24, 6.055 cfs
1985	5/2, 9.74 cfs; 5/14, 6.96 cfs; 5/29, 12.4 cfs; 5/30, 12.2 cfs; 6/4, 6.41 cfs; 6/7, 12.4 cfs; 6/8, 12.4 cfs; 6/14, 12.4 cfs; 6/18, 13.6 cfs; 6/20, 9.32 cfs; 6/24, 9.32 cfs; 7/2, 8.91 cfs; 7/8, 8.91 cfs; 7/10, 8.51 cfs; 7/15, 8.91 cfs; 8/7, 3.48 cfs; 8/11, 4.07 cfs; 8/19, 5.53 cfs; 8/30, 4.22 cfs; 9/9, 9.32 cfs
1986	4/24, Off; 4/30, Off; 5/21, 6.57 cfs; 5/23, 9.5 cfs; 5/27, 9.53 cfs; 5/28, 9.11 cfs; 6/3, 15 cfs; 6/8, 15 cfs; 6/12, 3.54 cfs; 6/18, 12.6 cfs; 6/27, 12.2 cfs; 7/6, 7.3 cfs; 7/11, 6.73 cfs; 7/16, 12.2 cfs; 7/19, 11 cfs; 7/21, 11 cfs; 8/1, 7.365 cfs; 8/6, 8.1833 cfs; 8/19, 6.6366 cfs; 8/20, 9.1967 cfs
1995	
1996	4/11, Off; 4/19, Off; 5/3, Off; 5/8, Off; 5/13, 9.74 cfs; 5/15, 12.84 cfs; 5/17, 10.59 cfs; 5/22, 9.82 cfs; 5/28, 5.39 cfs; 6/7, 12.84 cfs; 6/12, 17.8 cfs; 6/17, 16.76 cfs; 6/26, 17.54 cfs; 7/2, 17.54 cfs; 7/8, 17.28 cfs; 7/10, 13.08 cfs; 7/12, 12.84 cfs; 7/16, 13.55 cfs; 7/18, 10.16 cfs; 7/22, 9.53 cfs; 7/23, 13.55 cfs; 8/1, 9.32 cfs; 8/6, 9.3 cfs; 8/13, 8.51 cfs; 8/19, 11.7 cfs; 8/22, 7.81 cfs; 8/27, 6.86 cfs; 8/30, 6.86 cfs; 9/6, 6.71 cfs; 9/10, 5.97 cfs; 9/24, 4.84 cfs; 10/3, 1.73 cfs
1997	5/14, 4.7 cfs; 5/22, 9.65 cfs; 5/27, 10.17 cfs; 5/29, 10.35 cfs; 6/3, 11.63 cfs; 6/6, 12.76 cfs; 6/9, 12.19 cfs; 6/11, 12 cfs; 6/18, 6.12 cfs; 6/25, 9.3 cfs; 6/30, 9.48 cfs; 7/8, 7.49 cfs; 7/18, 10.17 cfs; 7/31, 9.3 cfs; 8/7, 9.65 cfs; 8/15, 3.8 cfs; 8/26, 9.7 cfs; 9/9, 8.8 cfs; 9/17, 6.86 cfs; 9/25, 2.32 cfs
1998	
1999	
2000	5/10, 2.3 cfs; 5/15, 3.1 cfs; 5/17, 4.44 cfs; 5/22, 5.11 cfs; 5/25, 5.68 cfs; 5/30, 10 cfs; 6/1, 9.82 cfs; 6/5, 9.65 cfs; 6/12, 11.07 cfs; 6/14, 11.44 cfs; 6/16, 10 cfs; 6/19, 6.41 cfs; 6/21, 6.26 cfs; 6/23, 8.13 cfs; 6/26, 8.3 cfs; 6/28, 7.65 cfs; 6/30, 7.02 cfs; 7/3, 6.86 cfs; 7/5, 6.26 cfs; 7/7, 9.48 cfs; 7/10, 10 cfs; 7/12, 10.17 cfs; 7/14, 9.65 cfs; 7/17, 10.17 cfs; 7/19, 10.71 cfs; 7/21, 10.53 cfs; 7/24, 10 cfs; 7/26, 10 cfs; 7/28, 9.13 cfs; 8/2, 8.46 cfs; 8/4, 8.46 cfs; 8/7, 7.33 cfs; 8/9, 7.33 cfs; 8/11, 6.41 cfs; 8/14, 5.97 cfs; 8/17, 4.84 cfs; 8/22, 4.31 cfs; 8/29, 6.56 cfs; 9/5, 7.17 cfs; 9/19, 8.46 cfs; 9/25, 3.08 cfs
2001	5/8, 4.05 cfs; 5/11, 6.26 cfs; 5/15, 8.79 cfs; 5/22, 8.13 cfs; 5/24, 8.46 cfs; 5/29, 8.46 cfs; 6/1, 9.3 cfs; 6/5, 8.63 cfs; 6/8, 8.79 cfs; 6/11, 9.13 cfs; 6/13, 8.63 cfs; 6/20, 5.82 cfs; 6/23, 5.68 cfs; 6/25, 7.33 cfs; 7/3, 7.49 cfs; 7/5, 7.81 cfs; 7/9, 7.97 cfs; 7/11, 9.48 cfs; 7/13, 9.13 cfs; 7/16, 7.65 cfs; 7/18, 6.52 cfs; 7/20, 8.13 cfs; 7/23, 5.25 cfs; 7/27, 4.71 cfs; 7/30, 4.05 cfs; 8/1, 3.56 cfs; 8/3, 3.56 cfs; 8/7, 3.8 cfs; 8/9, 3.8 cfs; 8/10, 3.8 cfs; 8/13, 3.93 cfs; 8/15, 3.93 cfs; 8/17, 3.8 cfs; 8/20, 3 cfs; 8/22, 3 cfs; 8/24, 3 cfs; 8/27, 3 cfs; 8/29, 2.5 cfs; 8/31, 4 cfs; 9/4, 3.5 cfs; 9/6, 3.5 cfs; 9/10, 4 cfs; 9/12, 4 cfs; 9/14, 4 cfs; 9/18, 4 cfs; 9/21, 4 cfs; 9/24, 3.5 cfs; 10/1, 3 cfs; 10/8, 3 cfs; 10/17, 2.5 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.

DESCRIPTION AND OPERATION MEMORANDUM

SNYDER (NICHOLS)

DIVERSION DESCRIPTION

One 5' sliding steel screw type headgate.

DIVERSION LOCATION

Source: Greybull River
S 1° 0' W, 1584' from corner no.3 of Tract 63, Township 50N, Range 99W, and is in Tract 63. Greybull Valley Reservoir Supply Canal - N 36° 35' W, 1630, from corner 2 of Tract 65 (Section 7 o.s.) Township 50N, Range 99W.

CONVEYANCE DESCRIPTION

Open dirt ditch 2 3/4 miles long delivering to approximately 830 acres (including Hanks and Stetzelman, Jimmerfield, Nichols and Snyder ditch appropriations) with ditch capacity of approximately 20 c.f.s. Parts of ditch have been incorporated into supply canal for Greybull Valley Reservoir and water is diverted from supply canal through individual screwtype headgate turnouts to farm fields.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
3/28/1893	450	Irr.	160.00	2.28		2.28	
5/12/1898	341E	Irr.	97.00	1.38		3.66	
1/14/1908	2197E	Irr.	130.00	1.86		5.52	

STORAGE RIGHTS

Sunshine Reservoir, Greybull Valley Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 20% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some concrete lining, some gated pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, small grains.

RETURN FLOWS

Minimal, 100% to Greybull River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Daniel Ochsner
Meeteetse, WY
(307)868-2237

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	<p>5/2, 8 cfs; 5/3, 8 cfs; 5/4, 8 cfs; 5/5, 8 cfs; 5/6, 8 cfs; 5/7, 8 cfs; 5/8, 8 cfs; 5/24, 12 cfs; 5/25, 12 cfs; 5/26, 12 cfs; 5/27, 12 cfs; 5/28, 12 cfs; 5/29, 12 cfs; 5/30, 12 cfs; 5/31, 12 cfs; 6/1, 12 cfs; 6/2, 12 cfs; 6/3, 12 cfs; 6/4, 12 cfs; 6/5, 12 cfs; 6/6, 12 cfs; 6/7, 12 cfs; 6/8, 12 cfs; 6/9, 12 cfs; 6/10, 12 cfs; 6/11, 12 cfs; 6/12, 12 cfs; 6/13, 12 cfs; 6/14, 12 cfs; 6/15, 12 cfs; 6/16, 15 cfs; 6/17, 15 cfs; 6/18, 15 cfs; 6/19, 15 cfs; 6/20, 15 cfs; 6/21, 15 cfs; 6/22, 15 cfs; 6/23, 12 cfs; 6/24, 12 cfs; 6/25, 12 cfs; 6/26, 12 cfs; 6/27, 12 cfs; 6/28, 12 cfs; 6/29, 12 cfs; 6/30, 15 cfs; 7/1, 15 cfs; 7/2, 15 cfs; 7/3, 15 cfs; 7/4, 15 cfs; 7/5, 15 cfs; 7/6, 15 cfs; 7/7, 15 cfs; 7/8, 15 cfs; 7/9, 15 cfs; 7/10, 15 cfs; 7/11, 15 cfs; 7/12, 15 cfs; 7/13, 15 cfs; 7/14, 15 cfs; 7/15, 15 cfs; 7/16, 12 cfs; 7/17, 12 cfs; 7/18, 10 cfs; 7/19, 10 cfs; 7/20, 10 cfs; 7/21, 11 cfs; 7/22, 11 cfs; 7/23, 11 cfs; 7/24, 11 cfs; 7/25, 7 cfs; 7/26, 7 cfs; 7/27, 7 cfs; 7/28, 7 cfs; 7/29, 7 cfs; 7/30, 7 cfs; 7/31, 7 cfs; 8/1, 7 cfs;</p> <p>8/2, 7 cfs; 8/3, 7 cfs; 8/4, 7 cfs; 8/5, 7 cfs; 8/6, 7 cfs; 8/7, 7 cfs; 8/8, 13.5 cfs; 8/9, 13.5 cfs; 8/10, 13.5 cfs; 8/11, 16 cfs; 8/12, 16 cfs; 8/13, 16 cfs; 8/14, 16 cfs; 8/15, 16 cfs; 8/16, 16 cfs; 8/17, 14 cfs; 8/18, 14 cfs; 8/19, 14 cfs; 8/20, 12 cfs; 8/21, 12 cfs; 8/22, 12 cfs; 8/23, 12 cfs; 8/24, 12 cfs; 8/25, 12 cfs; 8/26, 12 cfs; 8/27, 12 cfs; 8/28, 12 cfs; 8/29, 12 cfs; 8/30, 12 cfs; 8/31, 12 cfs; 9/1, 12.5 cfs; 9/2, 12.5 cfs; 9/3, 12.5 cfs; 9/4, 12.5 cfs</p>
1984	<p>5/11, 2.7 cfs; 5/12, 2.7 cfs; 5/13, 5.66 cfs; 5/14, 5.66 cfs; 5/15, 7 cfs; 5/16, 7 cfs; 5/17, 12.5 cfs; 5/18, 12.5 cfs; 5/19, 12.5 cfs; 5/20, 12.5 cfs; 5/21, 12.5 cfs; 5/22, 12.5 cfs; 5/23, 12.5 cfs; 5/24, 12.5 cfs; 5/25, 12.5 cfs; 5/26, 12.5 cfs; 5/27, 12.5 cfs; 5/28, 12.5 cfs; 5/29, 12.5 cfs; 5/30, 12.5 cfs; 5/31, 13.5 cfs; 6/1, 13.5 cfs; 6/2, 13.5 cfs; 6/3, 10 cfs; 6/4, 10 cfs; 6/5, 10 cfs; 6/6, 10 cfs; 6/7, 10 cfs; 6/8, 10 cfs; 6/9, 10 cfs; 6/10, 10 cfs; 6/11, 10 cfs; 6/12, 10.5 cfs; 6/13, 10.5 cfs; 6/14, 12 cfs; 6/15, 12 cfs; 6/16, 12 cfs; 6/17, 12 cfs; 6/18, 12 cfs; 6/19, 12 cfs; 6/20, 12 cfs; 6/21, 12 cfs; 6/22, 12 cfs; 6/23, 12 cfs; 6/24, 12 cfs; 6/25, 12 cfs; 6/26, 12 cfs; 6/27, 12 cfs; 6/28, 13 cfs; 6/29, 13 cfs; 6/30, 13 cfs; 7/1, 13 cfs; 7/2, 13 cfs; 7/3, 15 cfs; 7/4, 15 cfs; 7/5, 15 cfs; 7/6, 15 cfs; 7/7, 15 cfs; 7/8, 15 cfs; 7/9, 15 cfs; 7/10, 16.5 cfs; 7/11, 16.5 cfs; 7/12, 16.5 cfs; 7/13, 20 cfs; 7/14, 20 cfs; 7/15, 12 cfs; 7/16, 16 cfs; 7/17, 16 cfs; 7/18, 16 cfs; 7/19, 16 cfs; 7/20, 16 cfs; 7/21, 16 cfs;</p> <p>7/22, 16 cfs; 7/23, 16 cfs; 7/24, 16 cfs; 7/25, 18 cfs; 7/26, 18 cfs; 7/27, 18 cfs; 7/28, 18 cfs; 7/29, 18 cfs; 7/30, 18 cfs; 7/31, 18 cfs; 8/1, 18 cfs; 8/2, 12 cfs; 8/3, 12 cfs; 8/4, 12 cfs; 8/5, 12 cfs; 8/6, 12 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 12.5 cfs; 8/15, 12.5 cfs; 8/16, 12.5 cfs; 8/17, 12.5 cfs; 8/18, 12.5 cfs; 8/19, 12.5 cfs; 8/20, 12.5 cfs; 8/21, 12.5 cfs; 8/22, 12.5 cfs; 8/23, 11.5 cfs; 8/24, 11.5 cfs; 8/25, 11.5 cfs</p>
1985	<p>5/19, 12 cfs; 5/20, 12 cfs; 5/21, 12 cfs; 5/22, 12 cfs; 5/23, 12 cfs; 5/24, 12 cfs; 5/25, 12 cfs; 5/26, 12 cfs; 5/27, 12 cfs; 5/28, 10 cfs; 5/29, 10 cfs; 5/30, 10 cfs; 5/31, 12 cfs; 6/1, 12 cfs; 6/2, 8 cfs; 6/3, 8 cfs; 6/4, 10.5 cfs; 6/5, 10.5 cfs; 6/6, 10.5 cfs; 6/7, 10.5 cfs; 6/8, 10.5 cfs; 6/9, 6.5 cfs; 6/10, 6.5 cfs; 6/11, 6.5 cfs; 6/12, 6.5 cfs; 6/13, 6.5 cfs; 6/14, 6.5 cfs; 6/15, 6.5 cfs; 6/16, 10 cfs; 6/17, 10 cfs; 6/18, 10 cfs; 6/19, 10 cfs; 6/20, 10 cfs; 6/21, 10 cfs; 6/22, 10 cfs; 6/23, 8 cfs; 6/24, 8 cfs; 6/25, 8 cfs; 6/26, 12 cfs; 6/27, 12 cfs; 6/28, 12 cfs; 6/29, 12 cfs; 6/30, 7 cfs; 7/1, 7 cfs; 7/2, 7 cfs; 7/3, 7 cfs; 7/4, 7 cfs; 7/5, 7 cfs; 7/6, 15 cfs; 7/7, 12 cfs; 7/8, 15 cfs; 7/9, 15 cfs; 7/10, 9.8 cfs; 7/11, 9.8 cfs; 7/12, 9.8 cfs; 7/13, 9.8 cfs; 7/14, 12 cfs; 7/15, 12 cfs; 7/16, 12 cfs; 7/17, 12 cfs; 7/18, 12 cfs; 7/19, 12 cfs; 7/20, 12 cfs; 7/21, 9.8 cfs; 7/22, 9.8 cfs; 7/23, 6 cfs; 7/24, 6 cfs; 7/25, 7 cfs; 7/26, 7 cfs; 7/27, 7 cfs; 7/28, 6 cfs; 7/29, 6 cfs; 7/30, 6 cfs; 7/31, 6 cfs; 8/1, 6 cfs; 8/2, 6 cfs;</p> <p>8/3, 6 cfs; 8/4, 7 cfs; 8/5, 7 cfs; 8/6, 7 cfs; 8/7, 6 cfs; 8/8, 6 cfs; 8/9, 7 cfs; 8/10, 7 cfs; 8/11, 7 cfs; 8/12, 7 cfs; 8/13, 7 cfs; 8/14, 7 cfs; 8/15, 7 cfs; 8/16, 7 cfs; 8/17, 7 cfs; 8/18, 6 cfs; 8/19, 6 cfs; 8/20, 6 cfs; 8/21, 6 cfs; 8/22, 6 cfs; 8/23, 6 cfs; 8/24, 6 cfs; 8/25, 6 cfs; 8/26, 6 cfs; 8/27, 6 cfs; 8/28, 6 cfs; 8/29, 6 cfs; 8/30, 6 cfs; 8/31, 6 cfs; 9/1, 6 cfs; 9/2, 6 cfs; 9/3, 6 cfs; 9/4, 6 cfs; 9/5, 6 cfs; 9/6, 6 cfs; 9/7, 6 cfs; 9/8, 6 cfs; 9/9, 6 cfs; 9/10, 6 cfs; 9/11, 6 cfs; 9/12, 6 cfs; 9/13, 6 cfs; 9/14, 6 cfs</p>
1986	<p>5/6, 6 cfs; 5/7, 6 cfs; 5/8, 6 cfs; 5/9, 6 cfs; 5/10, 6 cfs; 5/11, 6 cfs; 5/12, 6 cfs; 5/13, 6 cfs; 5/14, 6 cfs; 5/15, 6 cfs; 5/16, 6 cfs; 5/17, 6 cfs; 5/18, 6 cfs; 5/19, 4 cfs; 5/20, 4 cfs; 5/21, 4 cfs; 5/22, 8 cfs; 5/23, 8 cfs; 5/24, 8 cfs; 5/25, 8 cfs; 5/26, 10.1 cfs; 5/27, 10.1 cfs; 5/28, 12 cfs; 5/29, 12 cfs; 5/30, 12 cfs; 5/31, 12 cfs; 6/1, 12 cfs; 6/2, 12 cfs; 6/3, 12 cfs; 6/4, 12 cfs; 6/5, 12 cfs; 6/6, 12 cfs; 6/7, 15 cfs; 6/8, 15 cfs; 6/9, 15.4 cfs; 6/10, 15.4 cfs; 6/11, 10 cfs; 6/12, 10 cfs; 6/13, 10 cfs; 6/14, 12 cfs; 6/15, 12 cfs; 6/16, 12 cfs; 6/17, 8 cfs; 6/18, 8 cfs; 6/19, 8 cfs; 6/20, 9.27 cfs; 6/21, 9.27 cfs; 6/22, 9.27 cfs; 6/23, 9.27 cfs; 6/24, 9.27 cfs; 6/25, 9.27 cfs; 6/26, 10.6 cfs; 6/27, 10.6 cfs; 6/28, 10.6 cfs; 6/29, 10.6 cfs; 6/30, 9.27 cfs; 7/1, 9.27 cfs; 7/2, 9.27 cfs; 7/3, 10 cfs; 7/4, 10 cfs; 7/5, 10 cfs; 7/6, 10 cfs; 7/7, 20 cfs; 7/8, 20 cfs; 7/9, 12 cfs; 7/10, 12 cfs; 7/11, 12 cfs; 7/12, 12 cfs; 7/13, 12 cfs; 7/14, 12 cfs; 7/15, 12 cfs; 7/16, 12 cfs; 7/17, 11.2 cfs; 7/18, 11.2 cfs;</p> <p>7/19, 11.2 cfs; 7/20, 11.2 cfs; 7/21, 10 cfs; 7/22, 10 cfs; 7/23, 10 cfs; 7/24, 10 cfs; 7/25, 10 cfs; 7/26, 10 cfs; 7/27, 10 cfs; 7/28, 10 cfs; 7/29, 10 cfs; 7/30, 10 cfs; 7/31, 10 cfs; 8/1, 8 cfs; 8/2, 8 cfs; 8/3, 8 cfs; 8/4, 13.5 cfs; 8/5, 13.5 cfs; 8/6, 10.6 cfs; 8/7, 10.6 cfs; 8/8, 10.6 cfs; 8/9, 10.6 cfs; 8/10, 10.6 cfs; 8/11, 6.8 cfs; 8/12, 6.8 cfs; 8/13, 6.8 cfs; 8/14, 5.6 cfs; 8/15, 5.6 cfs; 8/16, 5.6 cfs; 8/17, 5.6 cfs; 8/18, 5.6 cfs; 8/19, 5.6 cfs; 8/20, 5.6 cfs; 8/21, 8 cfs; 8/22, 8 cfs; 8/23, 8 cfs; 8/24, 8 cfs; 8/25, 10 cfs; 8/26, 10 cfs; 8/27, 10 cfs; 8/28, 5.5 cfs; 8/29, 5.5 cfs; 8/30, 5.5 cfs; 8/31, 5.5 cfs; 9/2, 5.6 cfs; 9/3, 5.6 cfs; 9/4, 5.6 cfs; 9/5, 6.5 cfs; 9/6, 6.5 cfs; 9/7, 6.5 cfs; 9/8, 6.5 cfs; 9/9, 6.5 cfs; 9/10, 6.5 cfs; 9/11, 6.5 cfs; 9/12, 6.5 cfs; 9/13, 6.5 cfs; 9/14, 6.5 cfs; 9/15, 10.5 cfs; 9/16, 10.5 cfs; 9/17, 10.5 cfs; 9/18, 10.5 cfs; 9/19, 4.5 cfs; 9/20, 4.5 cfs; 9/21, 4.5 cfs; 9/22, 4.5 cfs; 9/23, 4.5 cfs</p>
1995	<p>4/27, Off; 4/30, Off; 5/10, Off; 5/14, Off; 5/23, 7 cfs; 6/7, 10 cfs; 6/14, 10 cfs; 6/21, 10 cfs; 6/27, 10 cfs; 7/5, 3 cfs; 7/25, 6 cfs; 8/2, 12 cfs; 8/8, 12 cfs; 8/14, 12 cfs; 8/23, 14 cfs; 8/29, 7 cfs; 9/7, 10 cfs; 9/19, 6 cfs; 9/26, 2 cfs; 9/29, Off</p>
1996	<p>5/7, 4 cfs; 5/15, 9 cfs; 5/22, 12 cfs; 5/31, 11 cfs; 6/11, 13 cfs; 6/25, 11 cfs; 7/2, 11 cfs; 7/9, 9 cfs; 7/16, 12 cfs; 7/24, 11 cfs; 7/30, 14 cfs; 8/7, 12 cfs; 8/13, 12 cfs; 8/20, 10 cfs; 8/27, 7 cfs; 9/4, 9 cfs; 9/10, 6 cfs; 9/17, 6 cfs; 9/30, Off</p>
1997	<p>5/7, Off; 5/13, 17 cfs; 5/21, 12 cfs; 5/28, 8 cfs; 6/3, 13 cfs; 6/8, Off; 6/15, Off; 6/22, Off; 6/26, 4 cfs; 6/29, 9 cfs; 7/6, 6 cfs; 7/13, 9 cfs; 7/24, 4 cfs; 7/29, 11 cfs; 8/5, 6 cfs; 8/10, 8 cfs; 8/19, 6 cfs; 8/26, 9 cfs; 9/3, 8 cfs; 9/10, 9 cfs; 9/16, 8 cfs; 9/23, 4 cfs; 9/28, Off</p>
1998	<p>4/28, Off; 5/5, 15 cfs; 5/12, 16 cfs; 5/20, 16 cfs; 5/28, 11 cfs; 6/2, 11 cfs; 6/9, 4 cfs; 6/16, 3 cfs; 6/22, 2 cfs; 7/1, 3 cfs; 7/7, 7 cfs; 7/14, 17 cfs; 7/21, 19 cfs; 7/28, 18 cfs; 8/4, 6 cfs; 8/12, 16 cfs; 8/19, 16 cfs; 8/25, 15 cfs; 9/2, 9 cfs; 9/9, 10 cfs; 9/15, 5 cfs; 9/22, 10 cfs; 9/28, 9 cfs</p>
1999	<p>4/14, Off; 4/20, Off; 5/5, 3 cfs; 5/13, 10 cfs; 5/25, 5 cfs; 6/2, 11 cfs; 6/8, 9 cfs; 6/15, 6 cfs; 6/22, 6 cfs; 6/29, 10 cfs; 7/7, 14 cfs; 7/13, 11 cfs; 7/20, 8 cfs; 7/27, 18 cfs; 8/3, 13 cfs; 8/10, 17 cfs; 8/24, 8 cfs; 8/31, 16 cfs; 9/7, 10 cfs; 9/14, 15 cfs; 9/22, 2 cfs; 9/28, 2 cfs</p>
2000	<p>4/4, Off; 4/12, Off; 4/20, 3 cfs; 5/3, 6 cfs; 5/10, 7 cfs; 5/19, 4 cfs; 5/23, 5 cfs; 5/31, 5 cfs; 6/6, 3 cfs; 6/8, 3 cfs; 6/16, 8 cfs; 6/27, 3 cfs; 7/6, 9 cfs; 7/14, 9 cfs; 7/18, 8 cfs; 7/26, 12 cfs; 8/2, 14 cfs</p>
2001	<p>4/14, Off; 4/20, Off; 5/5, 3 cfs; 5/10, Off; 5/13, 10 cfs; 5/15, Off; 5/22, Off; 5/25, 5 cfs; 5/29, 0.66 cfs; 6/2, 11 cfs; 6/5, 1.05 cfs; 6/8, 9 cfs; 6/10, Off; 6/12, 1.57 cfs; 6/15, 6 cfs; 6/19, Off; 6/22, 6 cfs; 6/26, Off; 6/29, 0.66 cfs; 7/3, 2.09 cfs; 7/5, 1.05 cfs; 7/10, 2.16 cfs; 7/12, 1.57 cfs; 7/17, 2.3 cfs; 7/19, Off; 7/26, 2.16 cfs; 8/2, 4.01 cfs; 8/3, 2.09 cfs; 8/8, 2.01 cfs; 8/10, 2.16 cfs; 8/13, 2.01 cfs; 8/17, 2.3 cfs; 8/21, 2.01 cfs; 8/26, 2.16 cfs; 8/27, 2.01 cfs; 9/4, Off; 9/12, Off; 9/17, Off; 9/26, Off</p>

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.

DESCRIPTION AND OPERATION MEMORANDUM

TATMAN - ST. JOE

DIVERSION DESCRIPTION

One 6' wide sliding metal screw-type gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
N° 38' E, 1718' from the NW corner of Tract 65, Township 51N, Range 97W, and is in Tract 62.

CONVEYANCE DESCRIPTION

Open earthen ditch approximately 13 miles long (including main laterals) delivering water to approximately 2400 acres, and to the Enlarged Harrington Reservoir and the Fairview Extension Reservoir. Ditch capacity is approximately 45 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
6/01/1886	Terr.	Irr.	500.00	7.14		7.14	
9/18/1899	468E	Irr.	105.00	1.50		8.64	
12/16/1901	753E	Irr.	105.00	1.50		10.14	
8/23/1909	2105E	Dom.,Irr.	1030.38	14.12		24.26	
5/22/1911	2806E	Dom.,Irr.	200.00	2.85		27.11	
4/16/1917	3762E	Dom.,Irr.,Stk.	21.45	0.30		27.41	
11/02/1917	3826E	Dom.,Irr.	67.00	0.96		28.37	
5/01/1918	3898E	Irr.	10.62	0.15		28.52	

STORAGE RIGHTS

Harrington Reservoir, Fairview Extension Reservoir, Sunshine Reservoir

ESTIMATED CANAL LOSSES

Estimated 20-25% depending on time of year.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced by some gated and buried pipe, some concrete lining and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa, small grains, beans, corn, pasture, lawns and gardens.

RETURN FLOWS

Not much – 100% to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

St. Joe Irrigation Company
Stanley Jones or Hibbert Ranches
Otto, WY
(307)762-3412
(307)762-3489

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	<p>5/2, 16 cfs; 5/3, 16 cfs; 5/4, 24 cfs; 5/5, 24 cfs; 5/6, 27 cfs; 5/7, 27 cfs; 5/8, 27 cfs; 5/9, 27 cfs; 5/10, 27 cfs; 5/11, 10.5 cfs; 5/12, 10.5 cfs; 5/13, 10.5 cfs; 5/14, 10.5 cfs; 5/15, 10.5 cfs; 5/16, 10.5 cfs; 5/17, 10.5 cfs; 5/18, 10.5 cfs; 5/19, 10.5 cfs; 5/20, 10.5 cfs; 5/21, 10.5 cfs; 5/22, 10.5 cfs; 5/23, 10.5 cfs; 5/24, 10.5 cfs; 5/25, 10.5 cfs; 5/26, 20 cfs; 5/27, 20 cfs; 5/28, 20 cfs; 5/29, 20 cfs; 5/30, 20 cfs; 5/31, 20 cfs; 6/1, 20 cfs; 6/2, 20 cfs; 6/3, 20 cfs; 6/4, 20 cfs; 6/5, 20 cfs; 6/6, 20 cfs; 6/7, 20 cfs; 6/8, 30 cfs; 6/9, 30 cfs; 6/10, 30 cfs; 6/11, 30 cfs; 6/12, 30 cfs; 6/13, 30 cfs; 6/14, 30 cfs; 6/15, 30 cfs; 6/16, 22 cfs; 6/17, 22 cfs; 6/18, 22 cfs; 6/19, 22 cfs; 6/20, 22 cfs; 6/21, 22 cfs; 6/22, 22 cfs; 6/23, 30 cfs; 6/24, 30 cfs; 6/25, 30 cfs; 6/26, 30 cfs; 6/27, 30 cfs; 6/28, 30 cfs; 6/29, 30 cfs; 6/30, 30 cfs; 7/1, 30 cfs; 7/2, 30 cfs; 7/3, 30 cfs; 7/4, 30 cfs; 7/5, 30 cfs; 7/6, 30 cfs; 7/7, 30 cfs; 7/8, 30 cfs; 7/9, 30 cfs; 7/10, 30 cfs; 7/11, 30 cfs; 7/12, 30 cfs; 7/13, 30 cfs;</p> <p>7/14, 30 cfs; 7/15, 26.5 cfs; 7/16, 26.5 cfs; 7/17, 26.5 cfs; 7/18, 26.5 cfs; 7/19, 26.5 cfs; 7/20, 26.5 cfs; 7/21, 26.5 cfs; 7/22, 26.5 cfs; 7/23, 26.5 cfs; 7/24, 26.5 cfs; 7/25, 34.5 cfs; 7/26, 34.5 cfs; 7/27, 34.5 cfs; 7/28, 34.5 cfs; 7/29, 34.5 cfs; 7/30, 30 cfs; 7/31, 30 cfs; 8/1, 30 cfs; 8/2, 30 cfs; 8/3, 30 cfs; 8/4, 20 cfs; 8/5, 20 cfs; 8/6, 20 cfs; 8/7, 20 cfs; 8/8, 30 cfs; 8/9, 30 cfs; 8/10, 30 cfs; 8/11, 30 cfs; 8/12, 30 cfs; 8/13, 30 cfs; 8/14, 30 cfs; 8/15, 30 cfs; 8/16, 30 cfs; 8/17, 30 cfs; 8/18, 30 cfs; 8/19, 20 cfs; 8/20, 20 cfs; 8/21, 20 cfs; 8/22, 20 cfs; 8/23, 20 cfs; 8/24, 20 cfs; 8/25, 20 cfs; 8/26, 20 cfs; 8/27, 20 cfs; 8/28, 20 cfs; 8/29, 20 cfs; 8/30, 20 cfs; 8/31, 20 cfs; 9/1, 20 cfs; 9/2, 20 cfs; 9/3, 20 cfs; 9/4, 20 cfs</p>
1984	<p>5/17, 8 cfs; 5/18, 8 cfs; 5/19, 8 cfs; 5/20, 15.5 cfs; 5/21, 15.5 cfs; 5/22, 15.5 cfs; 5/23, 25 cfs; 5/24, 25 cfs; 5/25, 25 cfs; 5/26, 25 cfs; 5/27, 25 cfs; 5/28, 25 cfs; 5/29, 25 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 22.5 cfs; 6/4, 22.5 cfs; 6/5, 22.5 cfs; 6/6, 22.5 cfs; 6/7, 22.5 cfs; 6/8, 22.5 cfs; 6/9, 22.5 cfs; 6/10, 22.5 cfs; 6/11, 31 cfs; 6/12, 31 cfs; 6/13, 31 cfs; 6/14, 31 cfs; 6/15, 31 cfs; 6/16, 31 cfs; 6/17, 31 cfs; 6/18, 31 cfs; 6/19, 31 cfs; 6/20, 31 cfs; 6/21, 31 cfs; 6/22, 31 cfs; 6/23, 31 cfs; 6/24, 31 cfs; 6/25, 31 cfs; 6/26, 27 cfs; 6/27, 27 cfs; 6/28, 27 cfs; 6/29, 27 cfs; 6/30, 27 cfs; 7/1, 27 cfs; 7/2, 27 cfs; 7/3, 27 cfs; 7/4, 27 cfs; 7/5, 29 cfs; 7/6, 29 cfs; 7/7, 29 cfs; 7/8, 29 cfs; 7/9, 29 cfs; 7/10, 29 cfs; 7/11, 29 cfs; 7/12, 29 cfs; 7/13, 29 cfs; 7/14, 29 cfs; 7/15, 27 cfs; 7/16, 27 cfs; 7/17, 41 cfs; 7/18, 41 cfs; 7/19, 45 cfs; 7/20, 45 cfs; 7/21, 45 cfs; 7/22, 45 cfs; 7/23, 45 cfs; 7/24, 45 cfs; 7/25, 31 cfs; 7/26, 31 cfs; 7/27, 31 cfs; 7/28, 31 cfs;</p> <p>7/29, 31 cfs; 7/30, 31 cfs; 7/31, 31 cfs; 8/1, 31 cfs; 8/2, 31 cfs; 8/3, 31 cfs; 8/4, 31 cfs; 8/5, 31 cfs; 8/6, 31 cfs; 8/7, 31 cfs; 8/8, 25 cfs; 8/9, 25 cfs; 8/10, 25 cfs; 8/11, 25 cfs; 8/12, 25 cfs; 8/13, 25 cfs; 8/14, 25 cfs; 8/15, 20 cfs; 8/16, 20 cfs; 8/17, 20 cfs; 8/18, 20 cfs; 8/19, 20 cfs; 8/20, 20 cfs; 8/21, 20 cfs; 8/22, 20 cfs; 8/23, 20 cfs; 8/24, 20 cfs; 8/25, 20 cfs</p>
1985	<p>5/19, 12 cfs; 5/20, 12 cfs; 5/21, 12 cfs; 5/22, 12 cfs; 5/23, 12 cfs; 5/24, 12 cfs; 5/25, 12 cfs; 5/26, 12 cfs; 5/27, 12 cfs; 5/28, 12 cfs; 5/29, 12 cfs; 5/30, 10.5 cfs; 5/31, 10.5 cfs; 6/1, 10.5 cfs; 6/2, 13 cfs; 6/3, 13 cfs; 6/4, 13 cfs; 6/5, 13 cfs; 6/6, 13 cfs; 6/7, 13 cfs; 6/8, 24.5 cfs; 6/9, 19 cfs; 6/10, 19 cfs; 6/11, 19 cfs; 6/12, 26 cfs; 6/13, 26 cfs; 6/14, 27 cfs; 6/15, 27 cfs; 6/16, 26.5 cfs; 6/17, 26.5 cfs; 6/18, 26.5 cfs; 6/19, 18 cfs; 6/20, 18 cfs; 6/21, 18 cfs; 6/22, 15.5 cfs; 6/23, 16 cfs; 6/24, 16 cfs; 6/25, 16 cfs; 6/26, 25 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 13 cfs; 7/1, 13 cfs; 7/2, 13 cfs; 7/3, 16 cfs; 7/4, 16 cfs; 7/5, 21.5 cfs; 7/6, 21.5 cfs; 7/7, 22.5 cfs; 7/8, 22.5 cfs; 7/9, 22.5 cfs; 7/10, 25 cfs; 7/11, 29 cfs; 7/12, 29 cfs; 7/13, 29 cfs; 7/14, 29 cfs; 7/15, 25 cfs; 7/16, 25 cfs; 7/17, 22.5 cfs; 7/18, 22.5 cfs; 7/19, 20.5 cfs; 7/20, 20.5 cfs; 7/21, 20.5 cfs; 7/22, 18 cfs; 7/23, 18 cfs; 7/24, 18 cfs; 7/25, 18 cfs; 7/26, 19.5 cfs; 7/27, 19.5 cfs; 7/28, 20 cfs; 7/29, 12 cfs; 9/1, 12.3 cfs; 9/2, 12.3 cfs; 9/3, 12.3 cfs; 9/4, 9.5 cfs; 9/5, 9.5 cfs; 9/6, 9.5 cfs; 9/7, 12 cfs; 9/8, 12 cfs; 9/9, 12 cfs; 9/10, 12 cfs; 9/11, 10.5 cfs; 9/12, 10.5 cfs; 9/13, 10.5 cfs; 9/14, 10.5 cfs</p> <p>7/29, 20 cfs; 7/30, 17 cfs; 7/31, 17 cfs; 8/1, 17 cfs; 8/2, 17 cfs; 8/3, 13 cfs; 8/4, 13 cfs; 8/5, 13 cfs; 8/6, 15 cfs; 8/7, 15 cfs; 8/8, 15 cfs; 8/9, 15 cfs; 8/10, 15 cfs; 8/11, 15 cfs; 8/12, 16 cfs; 8/13, 16 cfs; 8/14, 16 cfs; 8/15, 15 cfs; 8/16, 15 cfs; 8/17, 15 cfs; 8/18, 15 cfs; 8/19, 15 cfs; 8/20, 16 cfs; 8/21, 16 cfs; 8/22, 16 cfs; 8/23, 16 cfs; 8/24, 16 cfs; 8/25, 15 cfs; 8/26, 15 cfs; 8/27, 15 cfs; 8/28, 19 cfs; 8/29, 16 cfs; 8/30, 16 cfs; 8/31, 12 cfs; 9/1, 12.3 cfs; 9/2, 12.3 cfs; 9/3, 12.3 cfs; 9/4, 9.5 cfs; 9/5, 9.5 cfs; 9/6, 9.5 cfs; 9/7, 12 cfs; 9/8, 12 cfs; 9/9, 12 cfs; 9/10, 12 cfs; 9/11, 10.5 cfs; 9/12, 10.5 cfs; 9/13, 10.5 cfs; 9/14, 10.5 cfs</p>
1986	<p>5/15, 5 cfs; 5/16, 5 cfs; 5/17, 5 cfs; 5/18, 5 cfs; 5/19, 9.5 cfs; 5/20, 9.5 cfs; 5/21, 9.5 cfs; 5/22, 9.5 cfs; 5/23, 15 cfs; 5/24, 15 cfs; 5/25, 15 cfs; 5/26, 33 cfs; 5/27, 33 cfs; 5/28, 33 cfs; 5/29, 33 cfs; 5/30, 33 cfs; 5/31, 33 cfs; 6/1, 33 cfs; 6/2, 33 cfs; 6/3, 33 cfs; 6/4, 33 cfs; 6/5, 35 cfs; 6/6, 35 cfs; 6/7, 35 cfs; 6/8, 35 cfs; 6/9, 35 cfs; 6/10, 35 cfs; 6/11, 35 cfs; 6/12, 25.4 cfs; 6/13, 25.4 cfs; 6/14, 25.4 cfs; 6/15, 25.4 cfs; 6/16, 25.4 cfs; 6/17, 25.4 cfs; 6/18, 25.4 cfs; 6/19, 25.4 cfs; 6/20, 25.4 cfs; 6/21, 25.4 cfs; 6/22, 25.4 cfs; 6/23, 25.4 cfs; 6/24, 25.4 cfs; 6/25, 25.4 cfs; 6/26, 25.4 cfs; 6/27, 25.4 cfs; 6/28, 25.4 cfs; 6/29, 25.4 cfs; 6/30, 25.4 cfs; 7/1, 25.4 cfs; 7/2, 25.4 cfs; 7/3, 25.4 cfs; 7/4, 21.3 cfs; 7/5, 21.3 cfs; 7/6, 21.3 cfs; 7/7, 21.3 cfs; 7/8, 21.3 cfs; 7/9, 21.3 cfs; 7/10, 21.3 cfs; 7/11, 25.4 cfs; 7/12, 25.4 cfs; 7/13, 25.4 cfs; 7/14, 25.4 cfs; 7/15, 25.4 cfs; 7/16, 25.4 cfs; 7/17, 25.4 cfs; 7/18, 25.4 cfs; 7/19, 25.4 cfs; 7/20, 25.4 cfs; 7/21, 25.4 cfs; 7/22, 25.4 cfs;</p> <p>7/23, 25.4 cfs; 7/24, 33.3 cfs; 7/25, 33.3 cfs; 7/26, 33.3 cfs; 7/27, 31.4 cfs; 7/28, 30.3 cfs; 7/29, 30.3 cfs; 7/30, 22.6 cfs; 7/31, 22.6 cfs; 8/1, 22.6 cfs; 8/2, 22.6 cfs; 8/3, 22.6 cfs; 8/4, 24.3 cfs; 8/5, 24.3 cfs; 8/6, 28.2 cfs; 8/7, 30.3 cfs; 8/8, 30.3 cfs; 8/9, 30.3 cfs; 8/10, 30.3 cfs; 8/11, 30.3 cfs; 8/12, 30.3 cfs; 8/13, 30.3 cfs; 8/14, 30.3 cfs; 8/15, 30.3 cfs; 8/16, 30.3 cfs; 8/17, 30.3 cfs; 8/18, 30.3 cfs; 8/19, 30.3 cfs; 8/20, 30.3 cfs; 8/21, 24.3 cfs; 8/22, 24.3 cfs; 8/23, 24.3 cfs; 8/24, 24.3 cfs; 8/25, 19.4 cfs; 8/26, 19.4 cfs; 8/27, 19.4 cfs; 8/28, 19.4 cfs; 8/29, 19.4 cfs; 8/30, 16.3 cfs; 8/31, 16.3 cfs; 9/2, 16.3 cfs; 9/3, 16.3 cfs; 9/4, 16.3 cfs; 9/5, 13.4 cfs; 9/6, 13.4 cfs; 9/7, 13.4 cfs; 9/8, 13.4 cfs; 9/9, 13.4 cfs; 9/10, 13.4 cfs; 9/11, 13.4 cfs; 9/12, 10.5 cfs; 9/13, 10.5 cfs; 9/14, 10.5 cfs; 9/15, 10.5 cfs; 9/16, 10.5 cfs; 9/17, 10.5 cfs; 9/18, 10.5 cfs; 9/19, 8.1 cfs; 9/20, 8.1 cfs; 9/21, 8.1 cfs; 9/22, 8.1 cfs; 9/23, 8.1 cfs; 9/24, 8.1 cfs; 9/25, 8.1 cfs; 9/26, 8.1 cfs; 9/28, 7 cfs; 9/29, 7 cfs</p>
1995	<p>4/27, Off; 5/2, 8 cfs; 5/3, 8 cfs; 5/4, Off; 5/9, 6 cfs; 5/11, 6 cfs; 5/17, 5 cfs; 5/21, 10 cfs; 5/22, 10 cfs; 6/1, 16 cfs; 6/7, 30 cfs; 6/14, 23 cfs; 6/22, 22 cfs; 6/27, 32 cfs; 7/5, 31 cfs; 7/26, 32 cfs; 8/1, 8 cfs; 8/2, 31 cfs; 8/3, 31 cfs; 8/4, 31 cfs; 8/8, 30 cfs; 8/17, 30 cfs; 8/23, 30 cfs; 8/29, 29 cfs; 9/1, 22 cfs; 9/7, 23 cfs; 9/14, 25 cfs; 9/22, 12 cfs</p>
1996	<p>5/6, 4 cfs; 5/7, 4 cfs; 5/8, 4 cfs; 5/15, 17 cfs; 5/22, 23 cfs; 5/29, 11 cfs; 6/6, 16 cfs; 6/13, 45 cfs; 6/21, 30 cfs; 6/24, 21 cfs; 7/2, 55 cfs; 7/8, 31 cfs; 7/10, 36 cfs; 7/16, 58 cfs; 7/22, 37 cfs; 7/23, 18 cfs; 7/24, 22 cfs; 7/31, 23 cfs; 8/7, 14 cfs; 8/14, 24 cfs; 8/21, 25 cfs; 8/28, 14 cfs; 9/4, 12 cfs; 9/10, 13 cfs; 9/17, 13 cfs; 9/24, 13 cfs</p>
1997	<p>5/6, Off; 5/13, 11 cfs; 5/14, 15 cfs; 5/21, 51 cfs; 5/27, 23 cfs; 6/5, Off; 6/8, Off; 6/15, Off; 6/26, Off; 7/3, 28 cfs; 7/9, 32 cfs; 7/24, 38 cfs; 7/31, 17 cfs; 8/7, 29 cfs; 8/11, 29 cfs; 8/20, 28 cfs; 8/27, 22 cfs; 9/4, 16 cfs; 9/12, 29 cfs; 9/16, 27 cfs; 9/25, 10 cfs; 9/30, 10 cfs</p>

1998	4/8, 12 cfs; 4/16, 13 cfs; 4/22, 9 cfs; 4/28, 4 cfs; 4/30, 10 cfs; 5/6, 11 cfs; 5/14, 16 cfs; 5/16, 25 cfs; 5/19, 30 cfs; 5/21, 3 cfs; 5/26, 42 cfs; 5/28, 25 cfs; 5/29, 37 cfs; 6/4, 29 cfs; 6/10, 22 cfs; 6/17, 8 cfs; 6/25, 12 cfs; 7/1, 36 cfs; 7/8, 39 cfs; 7/16, 38 cfs; 7/22, 46 cfs; 7/29, 35 cfs; 8/5, 18 cfs; 8/11, 12 cfs; 8/20, 28 cfs; 8/27, 22 cfs; 9/1, 20 cfs; 9/4, 12 cfs; 9/11, 22 cfs; 9/16, 16 cfs; 9/23, 12 cfs; 9/25, 15 cfs; 9/30, 5 cfs
1999	3/27, 20 cfs; 4/7, 10 cfs; 4/14, 16 cfs; 4/23, 11 cfs; 4/28, 16 cfs; 5/4, 4 cfs; 5/6, Off; 5/11, Off; 5/14, Off; 5/21, 10 cfs; 5/28, 30 cfs; 6/2, 14 cfs; 6/15, 36 cfs; 6/21, 10 cfs; 6/25, 35 cfs; 6/30, 28 cfs; 7/9, 38 cfs; 7/14, 54 cfs; 7/23, 54 cfs; 7/29, 37 cfs; 8/4, 35 cfs; 8/12, 30 cfs; 8/18, 15 cfs; 8/25, 15 cfs; 9/2, 27 cfs; 9/9, 20 cfs; 9/15, 21 cfs; 9/23, 14 cfs; 9/28, 15 cfs
2000	4/4, Off; 4/12, Off; 4/22, 13 cfs; 4/27, 13 cfs; 5/2, 19 cfs; 5/6, 32 cfs; 5/9, 31 cfs; 5/11, 18 cfs; 5/16, 21 cfs; 5/19, 20 cfs; 5/25, 19 cfs; 5/31, 8 cfs; 6/5, 21 cfs; 6/6, 30 cfs; 6/7, 30 cfs; 6/9, 32 cfs; 6/13, 34 cfs; 6/21, 30 cfs; 6/27, 10 cfs; 7/6, 20 cfs; 7/8, 20 cfs; 7/9, 18 cfs; 7/11, 26 cfs; 7/13, 26 cfs; 7/15, 30 cfs; 7/19, 35 cfs; 7/21, 20 cfs; 7/25, 16 cfs; 7/31, 27 cfs; 8/1, 39 cfs; 8/2, 29 cfs; 8/11, 33 cfs; 8/16, 17.5 cfs; 8/21, 17.5 cfs; 9/1, 12.28 cfs; 9/11, 19 cfs
2001	4/23, Off; 5/4, Off; 5/8, Off; 5/15, 13.25 cfs; 5/22, 22.77 cfs; 5/28, 22.77 cfs; 6/5, 19 cfs; 6/12, 16 cfs; 6/19, 9.03 cfs; 6/25, 16 cfs; 7/2, 11.49 cfs; 7/11, 13.66 cfs; 7/16, 17.66 cfs; 7/24, 17.66 cfs; 7/31, 11.62 cfs; 8/7, 10.58 cfs; 8/13, 7.49 cfs; 8/24, 7.14 cfs; 8/28, 7.11 cfs; 9/4, 6.97 cfs; 9/18, 10 cfs; 9/24, 6.8 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.

DESCRIPTION AND OPERATION MEMORANDUM

T. L. DITCH

USGS ID 44108 B7, 44108 B8 USGS NAME MEETEETSE EAST, MEETEETSE WEST

DIVERSION DESCRIPTION

One 2' screwtype sliding steel gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
S 21° 10' E, 2574 feet from the north 1/4 corner of Section 34, Township 49N, Range 100 W, and is in the SW 1/4 NE 1/4 of Section 34.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 4.5 miles long serving approximately 450 acres. Ditch capacity ~ 12 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/01/1888	Terr.	Irr.	241.00	3.44		3.44	
5/31/1899	435E	Irr.	91.00	1.30		4.74	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of the year; estimated 25-30% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by some ditch lining, buried pipe, gated pipe, sprinklers.

CROP TYPES / CONSUMPTIVE USE

Native hay, alfalfa hay, occasional small grain, pasture, lawns and gardens.

RETURN FLOWS

To Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Ed Larson
Meeteetse, WY
(307)868-2414

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

DESCRIPTION AND OPERATION MEMORANDUM

WHITNEY – GLEAVER DITCH

USGS ID 44108 B8, 44108 A8 USGS NAME MEETEETSE WEST

DIVERSION DESCRIPTION

One 4' screw type sliding metal gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
NE 1/4 NW 1/4 Section 28, Township 48N, Range 101W.

CONVEYANCE DESCRIPTION

Open dirt ditch 6 1/4 miles long delivering water to approximately 730 acres (including some original Weller ditch lands).
Ditch capacity ~ 16 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/02/1894	78E	Irr.	129.00	1.84		1.84	
6/19/1899	2180	Irr.	598.00	8.54		10.38	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced with solid and gated pipe and some ditch lining. Short growing season.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, lawn and garden.

RETURN FLOWS

Some to Greybull River, some to Rawhide Creek.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Pitchfork Ranch Co.
Meeteetse, WY
(307)868-2407

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	<p>6/8, 8.96 cfs; 6/9, 8.96 cfs; 6/10, 8.96 cfs; 6/11, 10.17 cfs; 6/12, 10.17 cfs; 6/13, 10.17 cfs; 6/14, 10.17 cfs; 6/15, 10.17 cfs; 6/16, 9.48 cfs; 6/17, 9.48 cfs; 6/18, 9.48 cfs; 6/19, 9.48 cfs; 6/20, 10.17 cfs; 6/21, 10.17 cfs; 6/22, 10.17 cfs; 6/23, 10.17 cfs; 6/24, 10.17 cfs; 6/25, 10.17 cfs; 6/26, 10.17 cfs; 6/27, 10.17 cfs; 6/28, 13.54 cfs; 6/29, 13.54 cfs; 6/30, 13.54 cfs; 7/1, 13.54 cfs; 7/2, 13.54 cfs; 7/3, 13.54 cfs; 7/4, 13.54 cfs; 7/5, 13.54 cfs; 7/6, 14.73 cfs; 7/7, 14.73 cfs; 7/8, 14.73 cfs; 7/9, 13.93 cfs; 7/10, 13.93 cfs; 7/11, 13.54 cfs; 7/12, 13.54 cfs; 7/13, 5.68 cfs; 7/14, 5.68 cfs; 7/15, 5.68 cfs; 7/16, 5.68 cfs; 7/17, 5.68 cfs; 7/18, 5.68 cfs; 7/19, 5.68 cfs; 7/20, 5.68 cfs; 7/26, 12.57 cfs; 7/27, 11.63 cfs; 7/28, 11.63 cfs; 7/29, 11.63 cfs; 7/30, 11.63 cfs; 7/31, 11.63 cfs; 8/1, 11.63 cfs; 8/2, 11.63 cfs; 8/3, 11.63 cfs; 8/4, 11.07 cfs; 8/5, 11.07 cfs; 8/6, 11.07 cfs; 8/7, 11.07 cfs; 8/8, 11.07 cfs; 8/9, 11.07 cfs; 8/10, 11.07 cfs; 8/11, 11.07 cfs; 8/12, 11.07 cfs; 8/13, 11.07 cfs;</p> <p>8/14, 11.07 cfs; 8/15, 11.07 cfs; 8/16, 7.49 cfs; 8/17, 7.49 cfs; 8/18, 7.49 cfs; 8/19, 7.49 cfs; 8/20, 7.49 cfs; 8/21, 7.49 cfs; 8/22, 7.49 cfs; 8/23, 7.49 cfs; 8/24, 7.49 cfs; 8/25, 7.49 cfs; 8/26, 7.49 cfs; 8/27, 7.49 cfs; 8/28, 7.49 cfs; 8/29, 7.49 cfs; 8/30, 7.49 cfs; 8/31, 7.49 cfs; 9/1, 7.49 cfs; 9/2, 7.49 cfs; 9/3, 7.49 cfs; 9/4, 7.49 cfs; 9/5, 7.49 cfs; 9/6, 7.49 cfs; 9/7, 7.49 cfs; 9/8, 7.49 cfs; 9/9, 7.49 cfs</p>
1984	<p>5/22, 5.68 cfs; 5/23, 5.68 cfs; 5/24, 6.41 cfs; 5/25, 6.41 cfs; 5/26, 22.64 cfs; 5/27, 22.64 cfs; 5/28, 22.64 cfs; 5/29, 15.97 cfs; 5/30, 15.97 cfs; 5/31, 15.97 cfs; 6/1, 15.55 cfs; 6/2, 15.55 cfs; 6/3, 15.55 cfs; 6/4, 15.55 cfs; 6/5, 12 cfs; 6/6, 12 cfs; 6/7, 12 cfs; 6/8, 12 cfs; 6/9, 12 cfs; 6/10, 12 cfs; 6/11, 15.55 cfs; 6/12, 15.55 cfs; 6/13, 15.55 cfs; 6/14, 15.55 cfs; 6/15, 15.55 cfs; 6/16, 15.55 cfs; 6/17, 15.55 cfs; 6/18, 10.17 cfs; 6/19, 10.17 cfs; 6/20, 10.17 cfs; 6/21, 10.53 cfs; 6/22, 10.53 cfs; 6/23, 10.53 cfs; 6/24, 10.53 cfs; 6/25, 10.53 cfs; 6/26, 10.53 cfs; 6/27, 9.82 cfs; 6/28, 9.82 cfs; 6/29, 9.82 cfs; 6/30, 9.82 cfs; 7/1, 9.82 cfs; 7/2, 9.82 cfs; 7/3, 9.48 cfs; 7/4, 9.48 cfs; 7/5, 9.48 cfs; 7/6, 9.48 cfs; 7/7, 5.11 cfs; 7/8, 5.11 cfs; 7/9, 5.11 cfs; 7/10, 3.22 cfs; 7/11, 3.22 cfs; 7/12, 3.22 cfs; 7/13, 3.22 cfs; 7/14, 3.22 cfs; 7/15, 3.22 cfs; 7/16, 3.32 cfs; 7/17, 2.97 cfs; 7/18, 3.93 cfs; 7/19, 7.02 cfs; 7/20, 8.96 cfs; 7/21, 8.96 cfs; 7/22, 8.96 cfs; 7/23, 8.96 cfs; 7/24, 8.96 cfs;</p> <p>7/25, 4.71 cfs; 7/26, 4.71 cfs; 7/27, 4.71 cfs; 7/28, 4.71 cfs; 7/29, 4.71 cfs; 7/30, 4.44 cfs; 7/31, 6.41 cfs; 8/1, 6.41 cfs; 8/2, 6.41 cfs; 8/3, 6.41 cfs; 8/4, 6.88 cfs; 8/5, 6.88 cfs; 8/6, 6.88 cfs; 8/7, 6.88 cfs; 8/8, 6.56 cfs; 8/9, 6.56 cfs; 8/10, 6.56 cfs; 8/11, 5.25 cfs; 8/12, 5.25 cfs; 8/13, 5.25 cfs; 8/14, 5.25 cfs; 8/15, 10.53 cfs; 8/16, 10.53 cfs; 8/17, 8.46 cfs; 8/18, 3.68 cfs; 8/19, 3.68 cfs; 8/20, 3.32 cfs; 8/21, 3.32 cfs; 8/22, 3.32 cfs; 8/23, 3.32 cfs; 8/24, 3.32 cfs; 8/25, 3.32 cfs; 8/26, 3.32 cfs; 8/27, 3.93 cfs; 8/28, 3.93 cfs; 8/29, 3.93 cfs; 8/30, 3.93 cfs; 8/31, 3.93 cfs; 9/1, 3.93 cfs; 9/2, 3.93 cfs; 9/3, 3.93 cfs; 9/4, 2.11 cfs; 9/5, 2.11 cfs; 9/6, 3.56 cfs; 9/7, 3.56 cfs; 9/8, 3.56 cfs; 9/9, 3.56 cfs; 9/10, 3.56 cfs; 9/11, 3.56 cfs; 9/12, 3.56 cfs; 9/13, 3.56 cfs; 9/14, 2.11 cfs; 9/15, 2.11 cfs; 9/16, 2.11 cfs; 9/17, 2.11 cfs; 9/18, 2.11 cfs; 9/19, 2.11 cfs; 9/20, 2.11 cfs; 9/21, 2.11 cfs; 9/22, 2.11 cfs; 9/23, 2.11 cfs; 9/24, 2.11 cfs</p>
1985	<p>6/24, 5.97 cfs; 6/25, 5.97 cfs; 6/26, 5.82 cfs; 6/27, 5.82 cfs; 6/28, 7.81 cfs; 6/29, 7.81 cfs; 6/30, 7.81 cfs; 7/1, 5.97 cfs; 7/2, 5.97 cfs; 7/3, 5.97 cfs; 7/4, 5.97 cfs; 7/5, 5.97 cfs; 7/6, 5.97 cfs; 7/7, 5.97 cfs; 7/8, 5.97 cfs; 7/9, 5.97 cfs; 7/10, 5.97 cfs; 7/11, 5.97 cfs; 7/12, 3.93 cfs; 7/13, 3.93 cfs; 7/14, 3.93 cfs; 7/15, 3.93 cfs; 7/16, 3.93 cfs; 7/17, 3.93 cfs; 7/18, 3.93 cfs; 7/19, 3.93 cfs; 7/20, 2.11 cfs; 7/21, 2.11 cfs; 7/22, 4.05 cfs; 7/23, 4.05 cfs; 7/24, 4.05 cfs; 7/25, 4.05 cfs; 7/26, 4.05 cfs; 7/27, 4.05 cfs; 7/28, 4.05 cfs; 7/29, 4.05 cfs; 7/30, 4.05 cfs; 7/31, 4.05 cfs; 8/1, 4.05 cfs; 8/2, 4.05 cfs; 8/3, 3.94 cfs; 8/4, 3.94 cfs; 8/5, 3.94 cfs; 8/6, 3.94 cfs; 8/7, 3.94 cfs; 8/8, 3.94 cfs; 8/9, 3.08 cfs; 8/10, 3.08 cfs; 8/11, 3.08 cfs; 8/12, 3.08 cfs; 8/13, 2.11 cfs; 8/14, 2.11 cfs; 8/15, 2.11 cfs; 8/16, 2.11 cfs; 8/17, 2.11 cfs; 8/18, 2.11 cfs; 8/19, 2.11 cfs; 8/20, 2.11 cfs; 8/21, 2.11 cfs; 8/22, 1.82 cfs; 8/23, 1.82 cfs; 8/24, 1.82 cfs; 8/25, 1.82 cfs; 8/26, 1.82 cfs; 8/27, 1.82 cfs;</p> <p>8/28, 1.82 cfs; 8/29, 1.82 cfs; 8/30, 1.82 cfs; 9/3, 2.01 cfs; 9/4, 2.01 cfs; 9/5, 2.01 cfs; 9/6, 2.01 cfs; 9/7, 2.01 cfs; 9/8, 2.01 cfs; 9/9, 1.82 cfs; 9/10, 1.82 cfs; 9/11, 1.82 cfs; 9/12, 1.82 cfs; 9/13, 1.82 cfs; 9/14, 1.82 cfs; 9/15, 1.82 cfs; 9/16, 1.73 cfs; 9/17, 1.73 cfs; 9/18, 1.73 cfs; 9/19, 1.73 cfs; 9/20, 1.28 cfs; 9/21, 1.28 cfs; 9/22, 1.28 cfs; 9/23, 1.28 cfs; 9/24, 1.28 cfs; 9/25, 1.28 cfs; 9/26, 1.28 cfs; 9/27, 1.28 cfs</p>
1986	<p>5/6, 2.11 cfs; 5/7, 2.11 cfs; 5/8, 2.11 cfs; 5/14, 2.11 cfs; 5/15, 2.11 cfs; 5/16, 2.11 cfs; 5/17, 2.11 cfs; 5/18, 2.11 cfs; 5/19, 2.11 cfs; 5/20, 2.11 cfs; 5/21, 6.56 cfs; 5/22, 6.56 cfs; 5/23, 7.17 cfs; 5/24, 7.17 cfs; 5/25, 7.17 cfs; 5/26, 12.38 cfs; 5/27, 12.38 cfs; 5/28, 12.38 cfs; 5/29, 12.38 cfs; 5/30, 12.38 cfs; 5/31, 12.38 cfs; 6/1, 12.38 cfs; 6/2, 17.66 cfs; 6/3, 17.66 cfs; 6/4, 17.66 cfs; 6/5, 17.66 cfs; 6/6, 17.66 cfs; 6/7, 16.81 cfs; 6/8, 16.81 cfs; 6/9, 16.81 cfs; 6/10, 16.53 cfs; 6/11, 10.53 cfs; 6/12, 10.89 cfs; 6/13, 10.89 cfs; 6/14, 10.89 cfs; 6/15, 10.89 cfs; 6/16, 10.89 cfs; 6/17, 10.89 cfs; 6/18, 17.66 cfs; 6/19, 17.66 cfs; 6/20, 17.23 cfs; 6/21, 17.23 cfs; 6/22, 17.23 cfs; 6/23, 16.81 cfs; 6/24, 16.81 cfs; 6/25, 16.81 cfs; 6/26, 16.81 cfs; 6/27, 10.17 cfs; 6/28, 10.17 cfs; 6/29, 10.17 cfs; 6/30, 10.17 cfs; 7/1, 2.11 cfs; 7/2, 2.11 cfs; 7/3, 2.11 cfs; 7/4, 2.11 cfs; 7/5, 2.11 cfs; 7/6, 2.11 cfs; 7/7, 5.11 cfs; 7/8, 5.11 cfs; 7/9, 5.11 cfs; 7/10, 5.11 cfs; 7/11, 5.11 cfs; 7/12, 5.11 cfs;</p> <p>7/13, 5.11 cfs; 7/14, 5.53 cfs; 7/15, 5.53 cfs; 7/16, 5.53 cfs; 7/17, 5.53 cfs; 7/18, 7.17 cfs; 7/19, 7.17 cfs; 7/20, 7.17 cfs; 7/21, 7.17 cfs; 7/22, 7.17 cfs; 7/23, 7.17 cfs; 7/24, 7.17 cfs; 7/25, 7.17 cfs; 7/26, 11.63 cfs; 7/27, 11.63 cfs; 7/28, 11.63 cfs; 7/29, 11.63 cfs; 7/30, 12.38 cfs; 7/31, 12.38 cfs; 8/1, 12.38 cfs; 8/2, 12.38 cfs; 8/3, 12.38 cfs; 8/4, 12.38 cfs; 8/5, 12.38 cfs; 8/6, 12 cfs; 8/7, 12 cfs; 8/8, 12 cfs; 8/9, 12 cfs; 8/10, 12 cfs; 8/11, 12 cfs; 8/12, 12 cfs; 8/13, 12 cfs; 8/14, 12 cfs; 8/15, 12 cfs; 8/16, 10.53 cfs; 8/17, 10.53 cfs; 8/18, 10.53 cfs; 8/19, 10.53 cfs; 8/20, 10.53 cfs; 8/21, 10.53 cfs; 8/22, 3.93 cfs; 8/23, 3.93 cfs; 8/24, 3.93 cfs; 8/25, 3.93 cfs; 8/26, 3.93 cfs; 8/27, 3.93 cfs; 8/28, 3.93 cfs; 8/29, 3.93 cfs; 8/30, 3.93 cfs; 8/31, 3.93 cfs; 9/1, 3.93 cfs; 9/2, 3.93 cfs</p>
1995	8/2, 12 cfs; 8/4, 12 cfs; 8/7, 13.93 cfs; 8/14, 10.38 cfs; 8/21, 12 cfs; 8/28, 9.3 cfs; 9/7, Off; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/20, Off; 5/21, 5 cfs; 5/29, 16.91 cfs; 6/3, 15.14 cfs; 6/5, 16.91 cfs; 6/12, 16.91 cfs; 6/19, 16.91 cfs; 6/25, 20.32 cfs; 7/3, 18.1 cfs; 7/9, 6.86 cfs; 7/16, Off; 7/24, 8.48 cfs; 8/2, 9.13 cfs; 8/14, 12 cfs; 8/27, Off; 9/4, Off; 9/10, Off
1997	5/24, 15.97 cfs; 5/27, 15.97 cfs; 6/26, Off; 7/1, Off; 7/9, Off; 7/25, Off; 8/4, Off; 8/22, Off; 8/29, 3 cfs; 9/3, Off; 9/12, Off; 9/17, 9.13 cfs; 9/30, Off
1998	3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/3, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/27, 18.1 cfs; 6/10, 13.92 cfs; 6/22, 6.26 cfs; 6/30, Off; 7/8, Off; 7/15, 5.11 cfs; 7/24, Off; 8/7, 4.05 cfs; 8/11, 8.13 cfs; 8/17, 16.91 cfs; 9/3, 6.26 cfs; 9/10, 3.39 cfs; 9/15, Off; 9/29, Off
1999	6/1, 6 cfs; 6/7, 2.86 cfs; 6/15, 10.17 cfs; 7/1, 9.48 cfs; 7/8, 10.17 cfs; 7/13, 7.49 cfs; 7/28, 8.46 cfs; 8/18, 13.54 cfs; 8/23, 13.54 cfs; 8/30, 13.93 cfs
2000	5/24, 3 cfs; 6/10, 15.97 cfs; 7/20, 11.26 cfs; 7/31, 12 cfs; 8/13, 12 cfs; 8/29, 12 cfs; 9/7, 12 cfs; 9/14, Off

2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 12 cfs; 6/11, 13.93 cfs; 6/19, 2 cfs; 6/27, 2 cfs; 7/2, 3.46 cfs; 7/18, Off; 7/23, Off; 7/28, Off; 8/2, Off; 8/5, 15.97 cfs; 8/7, 5.97 cfs; 8/8, 5.97 cfs; 8/14, 12 cfs; 8/17, 12 cfs; 8/20, 4 cfs; 8/28, 4 cfs
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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.

DESCRIPTION AND OPERATION MEMORANDUM

WILSON - MCNALLY DITCH

DIVERSION DESCRIPTION

One 4' screwtype sliding steel gate in concrete spillbox.

DIVERSION LOCATION

Source: Greybull River
S 34° 27' W, 1400' from the NE corner of Section 18, Township 48N, Range 100W, and is in the NE 1/4 NE 1/4 Section 18.

CONVEYANCE DESCRIPTION

Open dirt and concrete-lined ditch 4 miles long serving approximately 550 acres, including portions of the Town of Meeteetse, Meeteetse School District and Meeteetse Cemetery. Ditch capacity is approximately 25 c.f.s. and serves approximately 15 users.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/15/1892	307	Irr.	97.00	1.38		1.38	
4/03/1894	68E	Irr.	260.00	3.71		5.09	
12/28/1898	398E	Irr.	109.00	1.55		6.64	
5/05/1944	5370E	Dom.,Irr.,Stk.	5.10	0.07		6.71	
2/26/1968	6215E	Mun.	8.13	0.30		7.01	
12/18/1969	6351E	Irr.	10.40	0.15		7.16	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with the time of year; estimated 15-20% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by the use of irrigation pipe. Several pumps and small sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, pasture, yards, school grounds, cemetery.

RETURN FLOWS

Minimal, all to Greybull River.

OTHER OPERATIONAL INFORMATION

Division of water is partially stipulated by 1977 decree of 5th Judicial District Court, Cody, WY.

CONTACT INFORMATION

Meeteetse Cemetery District
c/o Town of Meeteetse
Meeteetse, WY
(307) 868-2278

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

DESCRIPTION AND OPERATION MEMORANDUM

WINKLE AND BENBROOK DITCH

USGS ID 44108 B7 USGS NAME MEETEETSE EAST

DIVERSION DESCRIPTION

One 3' screw type sliding steel gate in concrete headwall.

DIVERSION LOCATION

Source: Greybull River
SE 1/4 NW 1/4 Section 13, Township 49N, Range 100W.

CONVEYANCE DESCRIPTION

Open dirt ditch 2 1/2 miles long delivering water to approximately 650 acres. Ditch capacity approximately 16 c.f.s.
Some fluming across Long Hollow.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
10/16/1893	597	Irr.	263.00	3.74		3.74	
5/23/1900	537E	Irr.	29.00	0.41		4.15	
7/26/1900	564E	Irr.	323.71	4.62		8.77	
9/22/1909	2157E	Irr.,Dom.	21.10	0.30		9.07	

STORAGE RIGHTS

Sunshine Reservoirs

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 15% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, some pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, occasional small grains, lawn and garden.

RETURN FLOWS

Minimal; all to Greybull River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Daniel Webster
Meeteetse, WY
(307)868-2404

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	6/16, 1.52 cfs; 6/17, 1.52 cfs; 6/18, 1.52 cfs; 6/19, 1.52 cfs; 6/20, 1.52 cfs; 6/21, 3.85 cfs; 6/22, 3.85 cfs; 6/23, 10.07 cfs; 6/24, 10.07 cfs; 6/25, 10.07 cfs; 6/26, 10.07 cfs; 6/27, 10.07 cfs; 6/28, 10.07 cfs; 6/29, 10.07 cfs; 6/30, 10.07 cfs; 7/1, 11.89 cfs; 7/2, 11.89 cfs; 7/3, 11.89 cfs; 7/4, 11.89 cfs; 7/5, 11.89 cfs; 7/6, 11.89 cfs; 7/7, 7.94 cfs; 7/8, 7.94 cfs; 7/9, 7.74 cfs; 7/10, 7.74 cfs; 7/11, 7.94 cfs; 7/12, 9.41 cfs; 7/13, 5.82 cfs; 7/14, 5.82 cfs; 7/15, 6.95 cfs; 7/16, 6.95 cfs; 7/17, 6.95 cfs; 7/18, 11.42 cfs; 7/19, 11.42 cfs; 7/20, 8.98 cfs; 7/21, 8.98 cfs; 7/22, 8.77 cfs; 7/23, 9.09 cfs; 7/24, 9.09 cfs; 7/25, 10.07 cfs; 7/26, 10.07 cfs; 7/27, 10.07 cfs; 7/28, 10.07 cfs; 7/29, 10.07 cfs; 7/30, 8.56 cfs; 7/31, 8.56 cfs; 8/1, 8.56 cfs; 8/2, 8.56 cfs; 8/3, 9.3 cfs; 8/4, 9.3 cfs; 8/5, 9.3 cfs; 8/6, 9.3 cfs; 8/7, 9.3 cfs; 8/8, 9.63 cfs; 8/9, 9.63 cfs; 8/10, 9.09 cfs; 8/11, 9.09 cfs; 8/12, 9.09 cfs; 8/13, 9.09 cfs; 8/14, 9.09 cfs; 8/15, 8.04 cfs; 8/16, 8.04 cfs; 8/17, 8.04 cfs; 8/18, 8.04 cfs; 8/19, 8.04 cfs; 8/20, 8.04 cfs; 8/21, 8.04 cfs; 8/22, 8.04 cfs; 8/23, 6.95 cfs; 8/24, 6.95 cfs; 8/25, 6.95 cfs; 8/31, 3.78 cfs; 9/1, 3.78 cfs; 9/2, 3.78 cfs; 9/3, 3.78 cfs; 9/4, 3.78 cfs; 9/6, 9.09 cfs; 9/7, 9.09 cfs; 9/8, 9.63 cfs; 9/9, 9.63 cfs; 9/10, 11.19 cfs; 9/11, 11.19 cfs; 9/12, 10.29 cfs; 9/13, 10.29 cfs; 9/14, 9.63 cfs; 9/15, 9.63 cfs; 9/16, 9.63 cfs; 9/17, 9.63 cfs; 9/18, 9.63 cfs; 9/19, 9.63 cfs; 9/20, 9.09 cfs; 9/21, 12.36 cfs; 9/22, 12.36 cfs; 9/23, 12.36 cfs; 9/24, 12.36 cfs; 9/25, 12.36 cfs; 9/26, 8.56 cfs; 9/27, 8.56 cfs; 9/28, 8.56 cfs; 9/29, 8.56 cfs; 9/30, 2.33 cfs; 10/1, 2.33 cfs; 10/2, 2.33 cfs
1984	5/21, 1.04 cfs; 5/22, 8.77 cfs; 5/23, 8.77 cfs; 5/24, 8.77 cfs; 5/25, 9.74 cfs; 5/26, 9.74 cfs; 5/27, 9.74 cfs; 5/28, 9.74 cfs; 5/29, 9.74 cfs; 5/30, 9.09 cfs; 5/31, 9.09 cfs; 6/1, 9.09 cfs; 6/2, 9.09 cfs; 6/3, 9.09 cfs; 6/4, 9.09 cfs; 6/5, 9.63 cfs; 6/6, 9.63 cfs; 6/7, 9.63 cfs; 6/8, 8.98 cfs; 6/9, 8.98 cfs; 6/10, 8.98 cfs; 6/11, 8.98 cfs; 6/12, 8.98 cfs; 6/13, 9.09 cfs; 6/25, 6.37 cfs; 6/26, 6.37 cfs; 6/27, 6.37 cfs; 6/28, 6.37 cfs; 6/29, 6.37 cfs; 6/30, 6.37 cfs; 7/1, 6.37 cfs; 7/2, 6.37 cfs; 7/3, 6.37 cfs; 7/4, 6.37 cfs; 7/5, 6 cfs; 7/6, 6 cfs; 7/7, 10.07 cfs; 7/8, 10.07 cfs; 7/9, 10.07 cfs; 7/10, 10.07 cfs; 7/11, 9.52 cfs; 7/12, 9.52 cfs; 7/13, 9.52 cfs; 7/14, 9.52 cfs; 7/15, 9.52 cfs; 7/16, 8.77 cfs; 7/17, 9.52 cfs; 7/18, 9.52 cfs; 7/19, 9.52 cfs; 7/20, 9.74 cfs; 7/21, 9.74 cfs; 7/22, 9.74 cfs; 7/23, 9.74 cfs; 7/24, 9.74 cfs; 7/25, 7.34 cfs; 7/26, 7.34 cfs; 7/27, 7.34 cfs; 7/28, 6.75 cfs; 7/29, 6.75 cfs; 7/30, 3.7 cfs; 8/6, 8.77 cfs; 8/7, 8.77 cfs; 8/8, 8.77 cfs; 8/9, 7.24 cfs; 8/10, 7.24 cfs; 8/11, 7.24 cfs; 8/12, 7.24 cfs; 8/13, 7.24 cfs; 8/14, 9.2 cfs; 8/15, 10.74 cfs; 8/16, 7.74 cfs; 8/17, 7.74 cfs; 8/18, 7.74 cfs; 8/19, 7.74 cfs; 8/20, 7.74 cfs; 8/21, 7.74 cfs; 8/22, 6.75 cfs; 8/23, 6.75 cfs; 8/27, 8.24 cfs; 8/28, 8.24 cfs; 8/29, 8.24 cfs; 8/30, 8.24 cfs; 8/31, 8.24 cfs; 9/18, 3.02 cfs; 9/19, 3.02 cfs; 9/20, 3.02 cfs; 9/21, 3.02 cfs; 9/22, 3.02 cfs; 9/23, 3.02 cfs; 9/24, 3.02 cfs
1985	6/24, 6.75 cfs; 6/25, 6.75 cfs; 6/26, 6.75 cfs; 6/27, 5.37 cfs; 6/28, 4.76 cfs; 6/29, 4.76 cfs; 6/30, 4.76 cfs; 7/6, 5.73 cfs; 7/7, 5.73 cfs; 7/8, 5.73 cfs; 7/9, 7.74 cfs; 7/10, 7.74 cfs; 7/11, 7.74 cfs; 7/12, 7.74 cfs; 7/13, 7.74 cfs; 7/14, 7.74 cfs; 7/15, 7.74 cfs; 7/16, 5.73 cfs; 7/17, 5.73 cfs; 7/18, 5.73 cfs; 7/19, 5.73 cfs; 7/20, 6 cfs; 7/21, 6 cfs; 7/22, 6 cfs; 7/23, 6 cfs; 7/24, 5.73 cfs; 7/25, 6 cfs; 7/26, 7.04 cfs; 7/27, 6 cfs; 7/28, 6 cfs; 7/29, 6 cfs; 7/30, 3.7 cfs; 7/31, 3.7 cfs; 8/1, 3.7 cfs; 8/2, 3.7 cfs; 8/3, 3.7 cfs; 8/4, 3.7 cfs; 8/5, 3.7 cfs; 8/6, 3.7 cfs; 8/7, 3.7 cfs; 8/8, 5.73 cfs; 8/9, 6 cfs; 8/10, 6 cfs; 8/11, 6 cfs; 8/23, 2 cfs; 8/24, 2 cfs; 8/25, 2 cfs; 8/26, 1.52 cfs; 9/4, 6 cfs; 9/5, 5.02 cfs; 9/6, 3.02 cfs; 9/7, 3.02 cfs; 9/8, 3.02 cfs
1986	5/20, 2.07 cfs; 5/21, 5.02 cfs; 5/22, 5.02 cfs; 5/23, 3.7 cfs; 5/24, 3.7 cfs; 5/25, 3.7 cfs; 5/26, 9.09 cfs; 5/27, 9.09 cfs; 5/28, 9.09 cfs; 5/29, 9.09 cfs; 5/30, 9.09 cfs; 5/31, 8.15 cfs; 6/1, 8.15 cfs; 6/2, 10.51 cfs; 6/3, 10.51 cfs; 6/4, 10.51 cfs; 6/5, 10.4 cfs; 6/6, 10.4 cfs; 6/7, 10.4 cfs; 6/8, 10.4 cfs; 6/9, 12.36 cfs; 6/10, 12.36 cfs; 6/11, 12.96 cfs; 6/12, 12.96 cfs; 6/13, 12.96 cfs; 6/14, 12.96 cfs; 6/15, 12.96 cfs; 6/16, 11.19 cfs; 6/17, 11.19 cfs; 6/18, 11.19 cfs; 6/19, 9.41 cfs; 6/20, 9.41 cfs; 6/21, 9.41 cfs; 6/22, 9.41 cfs; 6/23, 11.89 cfs; 6/24, 11.89 cfs; 6/25, 11.89 cfs; 6/26, 11.42 cfs; 6/27, 11.42 cfs; 6/28, 3.09 cfs; 6/29, 3.09 cfs; 6/30, 2.3 cfs; 7/1, 2.3 cfs; 7/2, 2.3 cfs; 7/3, 3.47 cfs; 7/4, 3.47 cfs; 7/5, 5.28 cfs; 7/6, 5.28 cfs; 7/7, 5.28 cfs; 7/8, 5.28 cfs; 7/9, 5.28 cfs; 7/10, 5.28 cfs; 7/11, 2.07 cfs; 7/12, 2.07 cfs; 7/13, 2.07 cfs; 7/14, 6 cfs; 7/15, 6 cfs; 7/16, 8.15 cfs; 7/17, 8.15 cfs; 7/18, 8.15 cfs; 7/19, 7.64 cfs; 7/20, 7.64 cfs; 7/21, 7.74 cfs; 7/22, 8.04 cfs; 7/23, 8.04 cfs; 7/24, 8.04 cfs; 7/25, 5.73 cfs; 8/29, 5.73 cfs; 8/30, 5.73 cfs; 8/31, 5.73 cfs; 9/1, 5.73 cfs; 9/2, 5.73 cfs; 9/3, 5.73 cfs; 9/4, 5.73 cfs; 9/5, 5.73 cfs; 9/6, 5.73 cfs; 9/7, 5.73 cfs; 9/8, 3.7 cfs; 9/9, 3.7 cfs 7/24, 11.08 cfs; 7/25, 11.08 cfs; 7/26, 9.74 cfs; 7/27, 9.74 cfs; 7/28, 6.75 cfs; 7/29, 6.75 cfs; 7/30, 6.75 cfs; 7/31, 6.75 cfs; 8/1, 6.75 cfs; 8/2, 6.75 cfs; 8/3, 6.75 cfs; 8/4, 6.56 cfs; 8/5, 6.56 cfs; 8/6, 3.7 cfs; 8/7, 3.7 cfs; 8/8, 3.7 cfs; 8/9, 3.7 cfs; 8/10, 3.7 cfs; 8/11, 3.02 cfs; 8/12, 3.02 cfs; 8/13, 3.02 cfs; 8/14, 3.02 cfs; 8/15, 2.46 cfs; 8/16, 2.46 cfs; 8/17, 2.46 cfs; 8/18, 9.74 cfs; 8/19, 9.74 cfs; 8/20, 9.74 cfs; 8/21, 6.09 cfs; 8/22, 6.09 cfs; 8/23, 8.56 cfs; 8/24, 8.56 cfs; 8/25, 8.56 cfs; 8/26, 6.09 cfs; 8/27, 5.73 cfs; 8/28, 5.73 cfs; 8/29, 5.73 cfs; 8/30, 5.73 cfs; 8/31, 5.73 cfs; 9/1, 5.73 cfs; 9/2, 5.73 cfs; 9/3, 5.73 cfs; 9/4, 5.73 cfs; 9/5, 5.73 cfs; 9/6, 5.73 cfs; 9/7, 5.73 cfs; 9/8, 3.7 cfs; 9/9, 3.7 cfs
1995	8/2, 6.95 cfs; 8/4, 6.95 cfs; 8/7, 6.95 cfs; 8/10, 6.19 cfs; 8/14, 6.19 cfs; 8/21, 6.19 cfs; 8/23, 6.19 cfs; 8/25, 6.19 cfs; 8/28, 6.19 cfs; 9/1, 5.02 cfs; 9/6, 4.76 cfs; 9/8, 4.76 cfs; 9/12, 3.47 cfs; 9/19, Off; 9/25, Off; 9/26, Off
1996	5/17, Off; 5/20, 8 cfs; 5/22, 10.07 cfs; 5/29, 10.07 cfs; 6/4, 10.07 cfs; 6/8, 14 cfs; 6/10, 10.07 cfs; 6/17, 10.07 cfs; 6/24, 10.07 cfs; 7/2, 10.07 cfs; 7/9, 10.07 cfs; 7/15, 14.82 cfs; 7/16, 12.36 cfs; 7/22, 14.92 cfs; 7/29, 11.19 cfs; 7/30, 11.89 cfs; 8/2, 10.07 cfs; 8/7, 5.34 cfs; 8/13, Off; 8/19, 3.47 cfs; 8/26, 3.47 cfs; 9/5, Off; 9/6, 10 cfs; 9/9, 10.07 cfs; 9/16, 10.07 cfs; 9/23, 3.32 cfs
1997	5/21, 6 cfs; 5/27, 11.19 cfs; 6/3, 8 cfs; 6/30, 8.56 cfs; 7/9, 8.04 cfs; 7/24, 7.94 cfs; 8/4, 4 cfs; 8/12, 15.34 cfs; 8/21, Off; 8/29, 4.09 cfs; 9/3, 3.78 cfs; 9/11, Off; 9/17, Off; 9/30, 7.94 cfs
1998	3/3, Off; 3/6, Off; 3/13, Off; 3/20, Off; 3/27, Off; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/6, Off; 5/13, Off; 5/25, 7.94 cfs; 6/9, Off; 6/16, Off; 6/23, Off; 6/29, 2.73 cfs; 7/7, Off; 7/14, 7.94 cfs; 7/21, 6.95 cfs; 8/4, Off; 8/10, 4 cfs; 8/21, 6 cfs; 8/24, 2 cfs; 8/31, Off; 9/9, 3 cfs; 9/14, 7.74 cfs; 9/28, 3 cfs
1999	6/1, Off; 6/7, 7.94 cfs; 6/15, 8.04 cfs; 6/28, 9.74 cfs; 7/8, 6 cfs; 7/16, 7.94 cfs; 7/21, 7.94 cfs; 7/27, 7.49 cfs; 8/2, 6.95 cfs; 8/9, 7.94 cfs; 8/18, 3.74 cfs; 8/23, Off; 8/30, 5.1 cfs
2000	5/24, 2.07 cfs; 6/11, 13.57 cfs; 7/12, 8.98 cfs; 7/19, 8.98 cfs; 8/1, 6.95 cfs; 8/11, Off; 8/15, 10.47 cfs; 8/21, 3 cfs; 8/28, Off; 9/6, 3 cfs; 9/13, 3 cfs
2001	3/1, Off; 3/5, Off; 3/12, Off; 3/19, Off; 3/26, Off; 4/2, Off; 4/9, Off; 4/16, Off; 4/22, Off; 4/30, Off; 5/8, Off; 5/15, Off; 6/4, 4.09 cfs; 6/11, 4.09 cfs; 6/19, Off; 6/27, Off; 7/2, Off; 7/17, 8.46 cfs; 7/23, 8.46 cfs; 7/28, 8.46 cfs; 8/2, 8.46 cfs; 8/5, 8.46 cfs; 8/7, 7.94 cfs; 8/8, 8.46 cfs; 8/14, 8.46 cfs; 8/17, Off; 8/28, Off

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.

DESCRIPTION AND OPERATION MEMORANDUM

WOOD AND BURNETT DITCH

USGS ID 44108 D3 USGS NAME OTTO

DIVERSION DESCRIPTION

One 3' screw type sliding steel gate in concrete headwall; also picks up bypass flows coming past J.F.W. ditch headgate.

DIVERSION LOCATION

Source: Greybull River
S 40° 20' W, 2600' from quarter corner between sections 16 and 17 (o.s.) Township 51N, Range 95W, and is in the SE 1/4 SE 1/4 of Section 17.

CONVEYANCE DESCRIPTION

Open dirt ditch approximately 4.5 miles long carries water to serve approximately 2200 acres, including lands formerly delivered to by the Plumb and Williams, and Trepus ditches. Ditch capacity is approximately 40 c.f.s

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
5/10/1887	Terr.	Irr.	953.50	13.61		13.61	
6/15/1900	545E	Irr.	1015.75	14.50		28.11	

STORAGE RIGHTS

Sunshine Reservoir

ESTIMATED CANAL LOSSES

Varies with time of year, estimated 15% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation and sprinkler practices, enhanced by gated pipe and buried pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, beans, beets small grains, occasional corn, pasture, lawns and gardens (some in the town of Otto)

RETURN FLOWS

Minimal, mostly to Greybull River directly and via constructed drains, some to McKinney Creek.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Melvin Neves
Otto, WY
(307)762-3378

Don Winters
Otto, WY
(307)762-3227

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	<p>5/2, 10 cfs; 5/3, 10 cfs; 5/4, 10 cfs; 5/5, 10 cfs; 5/6, 12 cfs; 5/7, 12 cfs; 5/8, 12 cfs; 5/9, 12 cfs; 5/10, 12 cfs; 5/11, 12 cfs; 5/23, 16 cfs; 5/24, 16 cfs; 5/25, 16 cfs; 5/26, 16 cfs; 5/27, 20 cfs; 5/28, 20 cfs; 5/29, 20 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 25 cfs; 6/3, 25 cfs; 6/4, 25 cfs; 6/5, 25 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 25 cfs; 6/12, 25 cfs; 6/13, 25 cfs; 6/14, 25 cfs; 6/15, 25 cfs; 6/16, 25 cfs; 6/17, 25 cfs; 6/18, 25 cfs; 6/19, 25 cfs; 6/20, 25 cfs; 6/21, 25 cfs; 6/22, 25 cfs; 6/23, 30 cfs; 6/24, 30 cfs; 6/25, 30 cfs; 6/26, 30 cfs; 6/27, 30 cfs; 6/28, 30 cfs; 6/29, 30 cfs; 6/30, 30 cfs; 7/1, 30 cfs; 7/2, 30 cfs; 7/3, 30 cfs; 7/4, 30 cfs; 7/5, 30 cfs; 7/6, 30 cfs; 7/7, 30 cfs; 7/8, 30 cfs; 7/9, 30 cfs; 7/10, 30 cfs; 7/11, 30 cfs; 7/12, 30 cfs; 7/13, 30 cfs; 7/14, 30 cfs; 7/15, 25 cfs; 7/16, 25 cfs; 7/17, 25 cfs; 7/18, 25 cfs; 7/19, 25 cfs; 7/20, 25 cfs; 7/21, 25 cfs; 7/22, 25 cfs; 7/23, 25 cfs; 7/24, 25 cfs; 7/25, 25 cfs; 7/26, 25 cfs;</p> <p>7/27, 25 cfs; 7/28, 30 cfs; 7/29, 30 cfs; 7/30, 30 cfs; 7/31, 30 cfs; 8/1, 30 cfs; 8/2, 30 cfs; 8/3, 30 cfs; 8/4, 30 cfs; 8/5, 23 cfs; 8/6, 23 cfs; 8/7, 23 cfs; 8/8, 35.5 cfs; 8/9, 35.5 cfs; 8/10, 35.5 cfs; 8/11, 35.5 cfs; 8/12, 35.5 cfs; 8/13, 35.5 cfs; 8/14, 35.5 cfs; 8/15, 35.5 cfs; 8/16, 35.5 cfs; 8/17, 35.5 cfs; 8/18, 35.5 cfs; 8/19, 25 cfs; 8/20, 25 cfs; 8/21, 25 cfs; 8/22, 25 cfs; 8/23, 25 cfs; 8/24, 25 cfs; 8/25, 25 cfs; 8/26, 25 cfs; 8/27, 25 cfs; 8/28, 25 cfs; 8/29, 25 cfs; 8/30, 25 cfs; 8/31, 25 cfs; 9/1, 27 cfs; 9/2, 27 cfs; 9/3, 33 cfs; 9/4, 33 cfs</p>
1984	<p>5/6, 16 cfs; 5/7, 16 cfs; 5/8, 16 cfs; 5/9, 16 cfs; 5/10, 16 cfs; 5/11, 16 cfs; 5/12, 16 cfs; 5/13, 25 cfs; 5/14, 25 cfs; 5/15, 25 cfs; 5/16, 25 cfs; 5/17, 30 cfs; 5/18, 30 cfs; 5/19, 30 cfs; 5/20, 30 cfs; 5/21, 30 cfs; 5/22, 30 cfs; 5/23, 30 cfs; 5/24, 30 cfs; 5/25, 30 cfs; 5/26, 30 cfs; 5/27, 30 cfs; 5/28, 30 cfs; 5/29, 30 cfs; 5/30, 30 cfs; 5/31, 30 cfs; 6/1, 30 cfs; 6/2, 30 cfs; 6/3, 25 cfs; 6/4, 25 cfs; 6/5, 25 cfs; 6/6, 25 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 30 cfs; 6/12, 30 cfs; 6/13, 30 cfs; 6/14, 30 cfs; 6/15, 30 cfs; 6/16, 30 cfs; 6/17, 30 cfs; 6/18, 30 cfs; 6/19, 30 cfs; 6/20, 30 cfs; 6/21, 30 cfs; 6/22, 30 cfs; 6/23, 30 cfs; 6/24, 30 cfs; 6/25, 30 cfs; 6/26, 30 cfs; 6/27, 30 cfs; 6/28, 30 cfs; 6/29, 30 cfs; 6/30, 30 cfs; 7/1, 30 cfs; 7/2, 30 cfs; 7/3, 30 cfs; 7/4, 30 cfs; 7/5, 30 cfs; 7/6, 30 cfs; 7/7, 30 cfs; 7/8, 30 cfs; 7/9, 30 cfs; 7/10, 30 cfs; 7/11, 30 cfs; 7/12, 30 cfs; 7/13, 30 cfs; 7/14, 30 cfs; 7/15, 30 cfs; 7/16, 38 cfs; 7/17, 38 cfs; 7/18, 38 cfs; 7/19, 38 cfs; 7/20, 38 cfs;</p> <p>7/21, 38 cfs; 7/22, 38 cfs; 7/23, 38 cfs; 7/24, 38 cfs; 7/25, 30 cfs; 7/26, 30 cfs; 7/27, 30 cfs; 7/28, 30 cfs; 7/29, 30 cfs; 7/30, 30 cfs; 7/31, 30 cfs; 8/1, 30 cfs; 8/2, 30 cfs; 8/3, 30 cfs; 8/4, 30 cfs; 8/5, 30 cfs; 8/6, 30 cfs; 8/7, 30 cfs; 8/8, 30 cfs; 8/9, 30 cfs; 8/10, 30 cfs; 8/11, 30 cfs; 8/12, 30 cfs; 8/13, 30 cfs; 8/14, 30 cfs; 8/15, 30 cfs; 8/16, 30 cfs; 8/17, 30 cfs; 8/18, 30 cfs; 8/19, 30 cfs; 8/20, 30 cfs; 8/21, 30 cfs; 8/22, 25 cfs; 8/23, 25 cfs; 8/24, 25 cfs; 8/25, 25 cfs</p>
1985	<p>5/19, 25 cfs; 5/20, 25 cfs; 5/21, 25 cfs; 5/22, 25 cfs; 5/23, 22 cfs; 5/24, 22 cfs; 5/25, 22 cfs; 5/26, 22 cfs; 5/27, 22 cfs; 5/28, 25 cfs; 5/29, 25 cfs; 5/30, 25 cfs; 5/31, 25 cfs; 6/1, 25 cfs; 6/2, 22.5 cfs; 6/3, 22.5 cfs; 6/4, 22.5 cfs; 6/5, 22.5 cfs; 6/6, 22.5 cfs; 6/7, 25 cfs; 6/8, 25 cfs; 6/9, 25 cfs; 6/10, 25 cfs; 6/11, 22.5 cfs; 6/12, 22.5 cfs; 6/13, 22.5 cfs; 6/14, 24 cfs; 6/15, 24 cfs; 6/16, 24 cfs; 6/17, 24 cfs; 6/18, 24 cfs; 6/19, 24 cfs; 6/20, 22.5 cfs; 6/21, 22.5 cfs; 6/22, 22.5 cfs; 6/23, 25 cfs; 6/24, 25 cfs; 6/25, 25 cfs; 6/26, 25 cfs; 6/27, 15 cfs; 6/28, 15 cfs; 6/29, 15 cfs; 6/30, 30 cfs; 7/1, 30 cfs; 7/2, 33 cfs; 7/3, 33 cfs; 7/4, 33 cfs; 7/5, 33 cfs; 7/6, 25 cfs; 7/7, 26 cfs; 7/8, 26 cfs; 7/9, 26 cfs; 7/10, 34 cfs; 7/11, 34 cfs; 7/12, 34 cfs; 7/13, 33 cfs; 7/14, 34 cfs; 7/15, 34 cfs; 7/16, 34 cfs; 7/17, 34 cfs; 7/18, 34 cfs; 7/19, 34 cfs; 7/20, 34 cfs; 7/21, 34 cfs; 7/22, 34 cfs; 7/23, 30 cfs; 7/24, 30 cfs; 7/25, 30 cfs; 7/26, 30 cfs; 7/27, 24 cfs; 7/28, 25 cfs; 7/29, 25 cfs; 7/30, 25 cfs;</p> <p>7/31, 23 cfs; 8/1, 23 cfs; 8/2, 23 cfs; 8/3, 23 cfs; 8/4, 24 cfs; 8/5, 24 cfs; 8/6, 22 cfs; 8/7, 22 cfs; 8/8, 22 cfs; 8/9, 23 cfs; 8/10, 23 cfs; 8/11, 25 cfs; 8/12, 25 cfs; 8/13, 25 cfs; 8/14, 25 cfs; 8/15, 25 cfs; 8/16, 25 cfs; 8/17, 25 cfs; 8/18, 22 cfs; 8/19, 22 cfs; 8/20, 22 cfs; 8/21, 22 cfs; 8/22, 21 cfs; 8/23, 21 cfs; 8/24, 21 cfs; 8/25, 20 cfs; 8/26, 20 cfs; 8/27, 20 cfs; 8/28, 20 cfs; 8/29, 20 cfs; 8/30, 20 cfs; 8/31, 20 cfs; 9/1, 20 cfs; 9/2, 20 cfs; 9/3, 20 cfs; 9/4, 20 cfs; 9/5, 20 cfs; 9/6, 20 cfs; 9/7, 20 cfs; 9/8, 20 cfs; 9/9, 20 cfs; 9/10, 20 cfs; 9/11, 20 cfs; 9/12, 20 cfs; 9/13, 20 cfs; 9/14, 20 cfs</p>
1986	<p>4/28, 14 cfs; 4/29, 14 cfs; 4/30, 14 cfs; 5/1, 13 cfs; 5/2, 13 cfs; 5/3, 13 cfs; 5/4, 12 cfs; 5/5, 12 cfs; 5/6, 12 cfs; 5/7, 12 cfs; 5/8, 12 cfs; 5/9, 12 cfs; 5/10, 12 cfs; 5/11, 12 cfs; 5/12, 12.5 cfs; 5/13, 12.5 cfs; 5/14, 12.5 cfs; 5/15, 12.5 cfs; 5/16, 12.5 cfs; 5/17, 12.5 cfs; 5/18, 12.5 cfs; 5/19, 12.5 cfs; 5/20, 16 cfs; 5/21, 16 cfs; 5/22, 18 cfs; 5/23, 18 cfs; 5/24, 25 cfs; 5/25, 25 cfs; 5/26, 24 cfs; 5/27, 24 cfs; 5/28, 24 cfs; 5/29, 24 cfs; 5/30, 30 cfs; 5/31, 30 cfs; 6/1, 35 cfs; 6/2, 35.5 cfs; 6/3, 35.5 cfs; 6/4, 35.5 cfs; 6/5, 35.5 cfs; 6/6, 35.5 cfs; 6/7, 35.5 cfs; 6/8, 35.5 cfs; 6/9, 35.5 cfs; 6/10, 35.5 cfs; 6/11, 35.5 cfs; 6/12, 35.5 cfs; 6/13, 25 cfs; 6/14, 25 cfs; 6/15, 25 cfs; 6/16, 25 cfs; 6/17, 25 cfs; 6/18, 25 cfs; 6/19, 25 cfs; 6/20, 25 cfs; 6/21, 25 cfs; 6/22, 25 cfs; 6/23, 25 cfs; 6/24, 25 cfs; 6/25, 25 cfs; 6/26, 25 cfs; 6/27, 25 cfs; 6/28, 25 cfs; 6/29, 25 cfs; 6/30, 25 cfs; 7/1, 25 cfs; 7/2, 25 cfs; 7/3, 25 cfs; 7/4, 25 cfs; 7/5, 25 cfs; 7/6, 25 cfs; 7/7, 30.1 cfs; 7/8, 30.1 cfs; 7/9, 31.5 cfs;</p> <p>7/10, 31.5 cfs; 7/11, 31.5 cfs; 7/12, 31.5 cfs; 7/13, 31.5 cfs; 7/14, 30.1 cfs; 7/15, 30.1 cfs; 7/16, 30.1 cfs; 7/17, 30.1 cfs; 7/18, 30.1 cfs; 7/19, 30.1 cfs; 7/20, 30.1 cfs; 7/21, 30.1 cfs; 7/22, 30.1 cfs; 7/23, 30.1 cfs; 7/24, 30.1 cfs; 7/25, 30.1 cfs; 7/26, 30.1 cfs; 7/27, 30.1 cfs; 7/28, 35.5 cfs; 7/29, 33 cfs; 7/30, 33 cfs; 7/31, 33 cfs; 8/1, 33 cfs; 8/2, 30.1 cfs; 8/3, 30.1 cfs; 8/4, 30.1 cfs; 8/5, 30.1 cfs; 8/6, 30.1 cfs; 8/7, 30.1 cfs; 8/8, 30.1 cfs; 8/9, 30.1 cfs; 8/10, 30.1 cfs; 8/11, 30.1 cfs; 8/12, 30.1 cfs; 8/13, 30.1 cfs; 8/14, 25 cfs; 8/15, 25 cfs; 8/16, 25 cfs; 8/17, 25 cfs; 8/18, 25 cfs; 8/19, 25 cfs; 8/20, 25 cfs; 8/21, 25 cfs; 8/22, 25 cfs; 8/23, 25 cfs; 8/24, 25 cfs; 8/25, 25 cfs; 8/26, 25 cfs; 8/27, 25 cfs; 8/28, 25 cfs; 8/29, 25 cfs; 8/30, 25 cfs; 8/31, 25 cfs; 9/2, 25 cfs; 9/3, 25 cfs; 9/4, 22.2 cfs; 9/5, 22.2 cfs; 9/6, 22.2 cfs; 9/7, 22.2 cfs; 9/8, 22.2 cfs; 9/9, 22.2 cfs; 9/10, 22.2 cfs; 9/11, 20.3 cfs; 9/12, 20.3 cfs; 9/13, 20.3 cfs; 9/14, 20.3 cfs; 9/15, 20.3 cfs; 9/16, 20.3 cfs;</p> <p>9/17, 14 cfs; 9/18, 14 cfs; 9/19, 14 cfs; 9/20, 12 cfs; 9/21, 12 cfs; 9/22, 12 cfs; 9/23, 12 cfs; 9/24, 12 cfs; 9/25, 12 cfs</p>
1995	<p>4/21, 9.3 cfs; 4/27, 19 cfs; 5/4, 21 cfs; 5/10, 23 cfs; 5/12, 23 cfs; 5/13, Off; 5/17, 22 cfs; 5/18, 30 cfs; 5/20, 16 cfs; 5/21, 15.3 cfs; 5/22, 25 cfs; 5/23, 35 cfs; 5/24, 30 cfs; 5/25, 26 cfs; 5/26, 30 cfs; 5/29, 33 cfs; 5/31, 35 cfs; 6/1, 36 cfs; 6/6, 29 cfs; 6/7, 16 cfs; 6/8, 15 cfs; 6/9, 15 cfs; 6/10, Off; 6/13, 12 cfs; 6/16, 27 cfs; 6/22, 37 cfs; 6/28, 42 cfs; 7/6, 21 cfs; 7/26, 33 cfs; 8/2, 23 cfs; 8/3, 26 cfs; 8/4, 26 cfs; 8/5, 30 cfs; 8/8, 26 cfs; 8/9, 26 cfs; 8/10, 30 cfs; 8/11, 30 cfs; 8/14, Off; 8/16, 30 cfs; 8/17, 30 cfs; 8/22, 34 cfs; 8/24, 31 cfs; 8/29, 32 cfs; 8/30, 32 cfs; 9/6, 31 cfs; 9/11, 14 cfs; 9/13, 14 cfs; 9/14, 14 cfs; 9/18, 12 cfs; 9/22, 9 cfs</p>
1996	<p>4/15, 7 cfs; 4/18, 7 cfs; 4/25, 28 cfs; 4/29, 19 cfs; 4/30, 19 cfs; 5/3, 24 cfs; 5/7, 24 cfs; 5/8, 20 cfs; 5/9, 23 cfs; 5/13, 23 cfs; 5/15, 25 cfs; 5/21, 28 cfs; 5/23, 20 cfs; 5/29, Off; 6/4, 16 cfs; 6/10, 23 cfs; 6/14, 28 cfs; 6/17, 34 cfs; 6/21, 37 cfs; 6/26, 40 cfs; 7/3, 35 cfs; 7/10, 25 cfs; 7/13, 40 cfs; 7/19, 42 cfs; 7/22, 34 cfs; 7/23, 29 cfs; 7/31, 30 cfs; 8/8, 39 cfs; 8/14, 21 cfs; 8/15, 29 cfs; 8/19, 36 cfs; 8/21, 25 cfs; 8/28, 21 cfs; 9/5, 23 cfs; 9/10, 23 cfs; 9/17, 20 cfs; 9/23, 12 cfs</p>
1997	<p>4/24, 22 cfs; 4/25, 21 cfs; 5/6, 27 cfs; 5/9, 29 cfs; 5/14, 40 cfs; 5/22, 39 cfs; 5/27, 30 cfs; 6/5, 24 cfs; 6/8, Off; 6/15, Off; 6/27, Off; 7/3, 34 cfs; 7/7, 38 cfs; 7/15, 21 cfs; 7/25, 38 cfs; 8/1, 38 cfs; 8/8, 39 cfs; 8/21, 24 cfs; 8/22, 25 cfs; 8/27, 32 cfs; 9/4, 27 cfs; 9/12, 33 cfs; 9/18, 32 cfs; 9/25, 19 cfs; 9/30, 10 cfs</p>

1998	4/10, Off; 4/28, 35 cfs; 5/6, 23 cfs; 5/13, 23 cfs; 5/19, 24 cfs; 5/20, 28 cfs; 5/26, 21 cfs; 5/29, 23 cfs; 6/5, 21 cfs; 6/11, 15 cfs; 6/17, 18 cfs; 6/24, 12 cfs; 6/30, 42 cfs; 7/2, 38 cfs; 7/9, 40 cfs; 7/16, 41 cfs; 7/23, 41 cfs; 7/30, 43 cfs; 8/6, 39 cfs; 8/14, 25 cfs; 8/20, 28 cfs; 8/27, 28 cfs; 9/3, 26 cfs; 9/8, 29 cfs; 9/11, 31 cfs; 9/16, 29 cfs; 9/25, 13 cfs; 9/30, 5 cfs
1999	4/16, 17 cfs; 4/17, 27 cfs; 4/21, 34 cfs; 4/27, 17 cfs; 4/30, 21 cfs; 5/6, 30 cfs; 5/12, 27 cfs; 5/21, 27 cfs; 5/28, 19 cfs; 6/4, 13 cfs; 6/8, 10 cfs; 6/17, 12 cfs; 6/25, 37 cfs; 7/2, 36 cfs; 7/9, 37 cfs; 7/16, 16.5 cfs; 7/18, 36 cfs; 7/23, 36 cfs; 8/6, 45 cfs; 8/13, 45 cfs; 8/20, 40 cfs; 8/25, 38 cfs; 8/27, 31 cfs; 9/2, 23 cfs; 9/15, 16 cfs; 9/23, 12 cfs; 9/30, 17 cfs
2000	
2001	4/23, 14.73 cfs; 5/3, 18.98 cfs; 5/8, 16.03 cfs; 5/15, 16.38 cfs; 5/22, 18.76 cfs; 5/28, 18.76 cfs; 6/8, 19.42 cfs; 6/12, 19 cfs; 6/19, 16.59 cfs; 6/25, 19.4 cfs; 7/6, 18.1 cfs; 7/11, 20.1 cfs; 7/17, 19.54 cfs; 7/24, 19.2 cfs; 7/31, 17.66 cfs; 8/6, 11.25 cfs; 8/15, 12.38 cfs; 8/21, 12.38 cfs; 8/28, Off; 9/5, Off; 9/12, 17.45 cfs; 9/18, 15.97 cfs; 9/24, 14.73 cfs; 9/30, 17 cfs

Notes:

- 1 immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.