

**LITTLE POPO AGIE**

**Lyons  
Millard  
Rogers and Gregg**

**DESCRIPTION AND OPERATION MEMORANDUM**

LYONS DITCH

**DIVERSION DESCRIPTION**

One 8' sliding steel gate with screw stem, anchored in concrete headwall. Boulder and brown concrete diversion dam.

**DIVERSION LOCATION**

Source: Little Popo Agie River  
S 62° 45' E, 1214' from the NW corner of Section 24, Township 33N, Range 99W.

**CONVEYANCE DESCRIPTION**

Open dirt ditch 6 1/2 miles long serving 1100 acres and 9 users. Ditch capacity ~ 30 c.f.s. Includes delivery for territorial Edwards ditch and considerable acreage originally permitted under Rogers and Gregg ditch.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
3/01/1881	Terr.	Dom.,Irr.,Stk.	220.00	2.69		2.69	
3/01/1885	Terr.	Irr.	50.00	0.71		3.40	
1892	Terr.	Irr.	65.00	0.93		4.33	
5/14/1900	533E	Irr.	230.00	3.26		7.59	
2/10/1903	989E	Irr.	15.00	0.21		7.80	
1/03/1905	1350E	Irr.	169.00	2.40		10.20	
3/03/1911	2437E	Irr.	35.00	0.50		10.70	
5/23/1950	5505E	Dom.,Irr.,Stk.	100.00	s.s.		10.70	

**STORAGE RIGHTS**

Christina Lake Reservoir

**ESTIMATED CANAL LOSSES**

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

**IRRIGATION PRACTICES**

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

**CROP TYPES / CONSUMPTIVE USE**

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

**RETURN FLOWS**

Moderate; most to Little Popo Agie River, minimal amount to Big Popo Agie River.

**OTHER OPERATIONAL INFORMATION**

Managed by informal ditch company.

**CONTACT INFORMATION**

Robert McClurg  
Hudson, WY  
(307) 332-2443

**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

### MILLARD DITCH

#### DIVERSION DESCRIPTION

Two 4' rectangular sliding gates on screw stems in concrete headwall with boulder and broken concrete diversion dam.

#### DIVERSION LOCATION

Source: Little Popo Agie River  
N 2° 25' E, 1825' from the South quarter corner of Section 26, Township 33N, Range 99W.

#### CONVEYANCE DESCRIPTION

Open dirt ditch 8 1/2 miles long serving approximately 1020 acres and 8 users. Includes some acreage originally permitted under the Shedd ditch, and uses the tail end of the Shedd ditch as a delivery lateral. Some fluming across rough country draws.

#### WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
4/10/1886	Terr.	Irr.,Stk.	347.00	4.71		4.71	
12/06/1901	774E	Irr.	311.00	4.43		9.14	
7/07/1906	1651E	Irr.,Stk.	80.00	1.14		10.28	
3/16/1911	10620	Irr.	515.00	7.47		17.75	

#### STORAGE RIGHTS

Christina Lake Reservoir

#### ESTIMATED CANAL LOSSES

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

#### IRRIGATION PRACTICES

Conventional flood irrigation methods with considerable use of gated pipe, and some pumps.

#### CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, occasional small grains, pasture, lawns and gardens.

#### RETURN FLOWS

Moderate; 100% to Little Popo Agie directly and via Government Draw.

#### OTHER OPERATIONAL INFORMATION

Managed by informal ditch company.

#### CONTACT INFORMATION

Millard Ditch Company  
c/o Bill Hamilton  
Hudson, WY  
(307) 332-2776

#### 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**

ROGERS AND GREGG DITCH

USGS ID 42108 G2, 42108 H5 USGS NAME LANDER SE, HUDSON

**DIVERSION DESCRIPTION**

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

**DIVERSION LOCATION**

Source: Little Popo Agie River  
S 48° 23' E, 1655.1' from the west quarter corner Section 5, Township 33N, Range 98W.

**CONVEYANCE DESCRIPTION**

Lined ditch and pipe with a 50 c.f.s. capacity, 8 miles long.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/03/1868	Wind River Tribe	Irr.	13.60		69.39		
3/01/1880	Terr.	Irr.,Dom.,Stk.	445.60	7.35		7.35	
Spring 1885	Terr.	Irr.	55.00	0.79		8.14	
1887	Terr.	Irr.	20.00	0.29		8.43	
5/14/1906	1557E	Irr.	225.00	3.20		11.63	
6/06/1907	1818E	Irr.,Dom.,Stk.	296.40	4.21		15.84	
4/29/1910	2281E	Irr.,Stk.	46.90	0.66		16.50	
7/11/1918	3922E	Irr.,Dom.,Stk.	115.48	1.69		18.19	
2/20/1920	4103E	Irr.	65.00	0.93		19.12	
8/05/1921	4246E	Irr.,Dom.,Stk.	66.00	0.94		20.06	
8/05/1921	4249E	Irr.,Dom.,Stk.	40.50	0.57		20.63	
5/18/1932	4880E	Irr.,Dom.,Stk.	56.22	0.80		21.43	
1/28/1981	6752E	Irr.	96.00	1.37		22.80	

**STORAGE RIGHTS**

Christina Lake Reservoir

**ESTIMATED CANAL LOSSES**

Approximately 55%

**IRRIGATION PRACTICES**

1480 irrigated acres with twenty users and the Town of Hudson. Gated pipe, buried pipe, and sprinklers.

**CROP TYPES / CONSUMPTIVE USE**

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

**RETURN FLOWS**

No

**OTHER OPERATIONAL INFORMATION**

Managed by a formal ditch company.

## CONTACT INFORMATION

Dale Hamilton  
P. O. Box 84  
Hudson, WY  
(307)332-9280

Bob McClurg  
Hudson, WY  
(307)332-2443

## 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	
1985	
1986	
1995	
1996	5/13, Off; 5/14, 11.25 cfs; 5/16, 17.28 cfs; 5/30, 21.61 cfs; 6/3, 33.59 cfs; 6/14, 36.96 cfs; 7/8, 28.13 cfs; 7/10, 26.6 cfs; 7/12, 24.79 cfs; 7/16, 36.96 cfs; 7/18, 36.96 cfs; 7/24, 39.39 cfs; 8/1, 38.69 cfs; 9/4, 27.51 cfs; 10/3, 7.15 cfs
1997	5/21, 4.7 cfs; 6/19, 20.22 cfs; 7/1, 37.99 cfs; 7/9, 40.45 cfs; 7/17, 44.05 cfs; 7/28, 42.23 cfs; 8/5, 34.92 cfs; 8/15, 31.6 cfs; 8/26, 38.34 cfs; 9/9, 27.8 cfs; 9/17, 48.5 cfs
1998	5/12, Off; 5/22, Off; 6/5, 15 cfs; 6/10, 33.59 cfs; 6/22, 24.2 cfs; 6/25, 23.04 cfs; 6/29, 22.18 cfs; 7/2, 19.4 cfs; 7/6, 22.75 cfs; 7/8, 26.29 cfs; 7/13, 28.76 cfs; 7/16, 33.59 cfs; 7/20, 32.27 cfs; 7/23, 31.95 cfs; 7/27, 35.26 cfs; 8/3, 23.3 cfs; 8/6, 10.59 cfs; 8/10, 10.16 cfs; 8/13, 10.59 cfs; 8/17, 14.76 cfs; 8/20, 14.76 cfs; 8/24, 16 cfs; 8/27, 33.59 cfs; 8/31, 40.45 cfs; 9/3, 39.04 cfs; 9/8, 40.09 cfs; 9/10, 36.96 cfs; 9/14, 11.25 cfs; 9/17, 6.59 cfs; 9/24, 4.86 cfs; 9/28, 4.54 cfs; 9/30, 4.54 cfs
1999	5/25, Off; 6/3, Off; 6/7, 20.22 cfs; 6/12, 29.07 cfs; 6/16, 33.26 cfs; 6/21, 33.59 cfs; 7/26, 27.82 cfs; 7/29, 29.38 cfs; 8/3, Off; 8/6, Off; 8/10, Off; 8/13, 27.21 cfs; 8/17, 25.99 cfs; 8/20, 31 cfs; 8/23, 30.8 cfs; 8/26, 37 cfs; 8/30, 33.2 cfs; 9/7, 30.4 cfs; 9/14, 18.6 cfs
2000	5/25, 29.07 cfs; 5/29, 26 cfs; 5/30, 36.27 cfs; 6/1, 48.52 cfs; 6/5, 47.76 cfs; 6/7, 9.53 cfs; 6/9, 48.7 cfs; 6/12, 41.16 cfs; 6/14, 44.05 cfs; 6/21, 40.8 cfs; 6/23, 42.23 cfs; 6/26, 42.96 cfs; 6/28, 42.23 cfs; 6/30, 43.32 cfs; 7/5, 20.58 cfs; 7/7, 20.58 cfs; 7/10, 39.74 cfs; 7/12, 39.74 cfs; 7/14, 32.27 cfs; 7/19, 45.15 cfs; 7/21, 32.27 cfs; 7/24, 29.07 cfs; 7/26, 32.93 cfs; 7/28, 41.52 cfs; 7/31, 27.21 cfs; 8/2, 36.62 cfs; 8/4, 36.27 cfs; 8/7, 30.98 cfs; 8/9, 35.26 cfs; 8/11, 36.62 cfs; 8/14, 25.39 cfs; 8/17, 27.8 cfs; 8/22, 23 cfs; 8/29, 11.25 cfs; 9/5, 13.55 cfs; 9/19, 13.1 cfs; 9/25, Off
2001	5/11, 33.3 cfs; 5/15, 42.2 cfs; 5/23, 37 cfs; 5/25, 37.5 cfs; 5/29, 36.3 cfs; 6/1, 37.6 cfs; 6/5, 34.9 cfs; 6/8, 32.9 cfs; 6/11, 43.3 cfs; 6/15, 37 cfs; 6/20, Stock; 6/22, Off; 6/26, 44.1 cfs; 6/28, 41.9 cfs; 7/3, 29.7 cfs; 7/11, 35.3 cfs; 7/13, 29 cfs; 7/16, 25.1 cfs; 7/19, 18.6 cfs; 7/24, 9.53 cfs; 7/27, 9.11 cfs; 7/30, 8.31 cfs; 7/31, 8.31 cfs; 8/5, 12.2 cfs; 8/6, 8.31 cfs; 8/7, 8.31 cfs; 8/8, 14.5 cfs; 8/9, 14.3 cfs; 8/10, 25.7 cfs; 8/13, 18.6 cfs; 8/14, 21.9 cfs; 8/16, 14 cfs; 8/17, 16 cfs; 8/20, 16.5 cfs; 8/21, 16.5 cfs; 8/22, 18.6 cfs; 8/24, 16 cfs; 8/27, 13.6 cfs; 8/29, 15.2 cfs; 8/30, 14 cfs; 8/31, 13.6 cfs; 9/4, 8.71 cfs; 9/6, 7.15 cfs; 9/10, 8.71 cfs; 9/12, 5.7 cfs; 9/14, 5.03 cfs; 9/18, 10.4 cfs; 9/24, 11.2 cfs; 10/1, 9.11 cfs; 10/8, 8.91 cfs; 10/16, 2.65 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.