

**Water Division IV**

**District 14**

Green River Basin, Wyoming; Key Structures and Diversions  
Description and Operation Memorandum

Blue Bell Ditch, Henry's Fork

**Diversion Description:** Information not available at time of report.

**Diversion Location:**

Source: Henry's Fork, Trib. Green River

Section, Township, Range: Tract 38, 12, 112

**Conveyance Description:** Open Channel Canal.

**Wyoming Water Rights Summary:**

Priority Date (M-D-Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
08-29-1922	16752	Irrigation, Stock	852.11	12.16	12.16	
09-07-1934	4966E	Irrigation, Stock	140.00	2.00	14.16	

**Storage Rights:** None.

**Estimated Canal Losses:** Information not available at time of report.

**Irrigation Practices:** Information not available at time of report.

**Crop Types / Consumptive Use:** Information not available at time of report.

**Return Flows:** Return flows are delivered to Henry's Fork above Heiser Ditch.

**Other Operational Information:** Information not available at time of report.

Green River Basin, Wyoming; Key Structures and Diversions  
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Blue Bell Ditch, Henry's Fork, Diversion Data

**Data:**

1998: 6/1, 30.0 cfs (est.)

Supply: 1980, average; 1981, slightly below average; 1982, average; 1983, above average; 1984, above average; 1985, average; 1986, average; 1987, average; 1988, below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, slightly above average; 1996, average; 1997, average; 1998, slightly above average.

Source: State Engineer's Office, Annual Hydrographers' Reports.

Green River Basin, Wyoming; Key Structures and Diversions  
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Interstate Canal, Burnt Fork

**Diversion Description:** Diversion consists of a single slide gate mounted on a concrete structure. A rock diversion dam exists.<sup>1</sup>

**Diversion Location:**

Source: Burnt Fork, Trib. Henry’s Fork, Trib. Green River  
Section, Township, Range: Utah.

**Conveyance Description:** Open Channel Canal.<sup>1</sup>

**Wyoming Water Rights Summary:** Water rights for this ditch are held in the following Utah permits:

Priority Date (M–D–Y)	Utah Claim #	Flow (second-feet)	Source	Comments
02-18-1926	1367	29.55	Lost Creek	Storage in Beaver Meadows Reservoir (Dam ID #00028)
02-18-1926	1218		Burnt Fork	Storage in Island Lake Reservoir (Dam ID #00147)
02-18-1926	1366	50.00	Burnt Fork	Direct Flow Right
07-07-1927	2496	22.74	Burnt Fork	Total yearly diversion authorized at 3 acre-feet per acre, or 5813.34 acre-feet in Wyoming, from all sources.

**Storage Rights:** Beaver Meadows Reservoir, Island Lake Reservoir.

**Estimated Canal Losses:** Considerably greater than typical (20-25%) losses are experienced for the upper reaches of the canal, while larger losses (up to 50%) area experienced near the end of the canal.<sup>1</sup>

**Irrigation Practices:** Lands are flood irrigated.<sup>1</sup>

**Crop Types / Consumptive Use:** Lands are native grass hay and pasture.<sup>1</sup>

**Return Flows:** Return flows are delivered to Henry’s Fork, with approximately 50% of the flow captured in the reach between Birch Creek and Coon Hollow, 20% between Coon Hollow and Hisey Hollow, and 30% between Hisey Hollow and Logan Hollow.

**Other Operational Information:** Water users who have storage rights in reservoirs located in Utah are restricted to a May 15<sup>th</sup> ditch turn-on date, and a October 1<sup>st</sup> turn-off date. Other water uses may use water from the ditch when not regulated by priority date.<sup>1</sup>

Sources: 1) John Yarbrough, State Engineer’s Office, Interview, May 4, 2000.

Green River Basin, Wyoming; Key Structures and Diversions  
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Interstate Canal, Burnt Fork, Diversion Data

Wateryear	May		June		July		August		September	
	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)
1980			54.16	3,222.84	32.48	1,997.12				
1981	16.90	1,039.14	32.86	1,955.11	12.90	793.19				
1982										
1983										
1984			30.00	1,785.12	30.00	1,844.63	28.45	1,749.32		
1985			29.80	1,773.22						
1986										
1987										
1988										
1989										
1990										
1991										
1992										
1993			18.72	1,113.92	19.21	1,181.18				
1994			22.31	1,327.54						
1995										
1996										
1997			17.37	1,033.59						
1998			29.38	1,748.23						

Averages:	16.90	1,039.14	25.78	1,533.82	23.65	1,454.03	28.45	1,749.32		
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Blank cells are due to missing/insufficient data.

Average = Average Flow for ENTIRE month. Monthly Total = Total Volume used during month.

See Methodology section for explanations.

Spot data readings used in calculating averages in table on following pages.

Green River Basin, Wyoming; Key Structures and Diversions  
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Interstate Canal, Burnt Fork, Diversion Data

**Data:**

1980: 5/19, 7.52 cfs; 5/26, 18.13 cfs; 6/1, 36.46 cfs; 6/5, 55.39 cfs; 6/14, 55.39 cfs; 6/26, 55.39 cfs; 7/8, 67.97 cfs; 7/9, 42.17 cfs, 7/17, 42.17 cfs; 7/18, 29.08 cfs; 7/21, 27.42 cfs; 7/22, off.  
1981: 5/15, 30.0 cfs; 5/27, 30.3 cfs; 6/5, 38.1 cfs; 6/18, 38.1 cfs; 6/19, 30.3 cfs; 6/20, 26.7 cfs; 6/22, 25.0 cfs; 7/6, 25.0 cfs; 7/12, 25.0 cfs; 7/17, off.  
1984: 5/25, 30.0 cfs (est); 6/15, 30.0 cfs (est); 7/20, 30.0 cfs (est); 8/7, 126.0 cfs.  
1985: 5/28, 30.3 cfs; 6/4, 30.3 cfs; 6/10, 42.2 cfs (arrive), 30.3 cfs (depart); 6/18, 25.0 cfs; 6/29, 30.3 cfs; 7/12, 20.0 cfs.  
1986: 7/9, 30.3 cfs.  
1987: 6/24, 45.1 cfs.  
1993: 6/11, 38.06 cfs (arrive), 30.33 cfs (depart); 6/15, 34.89 cfs (arrive), 30.33 cfs(depart); 6/23, 30.33 cfs; 6/25, 26.71 cfs; 7/10, 23.94 cfs; 7/28, 14.60 cfs (arrive), 1.00 cfs (depart).  
1994: 5/23, 33.0 cfs; 6/2, 38.9 cfs; 6/6, 38.1 cfs (arrive), 30.0 cfs (depart); 6/8, 26.7 cfs (arrive), 30.0 cfs (depart); 6/13, 30.0 cfs; 6/22, 30.0 cfs.  
1997: 6/24, 53.0 cfs (arrive), 30.3 cfs (depart); 6/30, 28.0 cfs; 7/2, 20.0 cfs; 7/17, 18.1 cfs; 7/22, 32.2 cfs (arrive), 28.0 cfs (depart); 7/25, 30.3 cfs (arrive), 18.6 cfs (depart).  
1998: 6/27, 67.4 cfs; 7/16, 53.1 cfs; 7/21, 38.1 cfs.

Supply: 1980, average; 1981, slightly below average; 1982, average; 1983, above average; 1984, above average; 1985, average; 1986, average; 1987, average; 1988, below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, slightly above average; 1996, average; 1997, average; 1998, slightly above average.

Source: State Engineer's Office, Annual Hydrographers' Reports.

Green River Basin, Wyoming; Key Structures and Diversions  
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Peoples Canal, Henry's Fork

**Diversion Description:** Information not available at time of report.

**Diversion Location:**

Source: Henry's Fork, Trib. Green River  
Section, Township, Range: Lot 18, 6, 12, 109

**Conveyance Description:** Open Channel Canal.

**Wyoming Water Rights Summary:**

Priority Date (M-D-Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
09-11-1899	2266	Irrigation	2,290.36	32.67	32.67	2,013.60 Acres (28.72 cfs) of Total in Utah.
02-19-1957	5898E	Irrigation	24.50	0.35	33.02	
08-21-1972	6437E	Irrigation, Stock	27.00	0.39	33.41	

**Storage Rights:** None.

**Estimated Canal Losses:** Information not available at time of report.

**Irrigation Practices:** Information not available at time of report.

**Crop Types / Consumptive Use:** Information not available at time of report.

**Return Flows:** Return flows are delivered to Henry's Fork below the Colorado border.

**Other Operational Information:** Information not available at time of report.

Green River Basin, Wyoming; Key Structures and Diversions  
Description and Operation Memorandum

Peoples Canal, Henry's Fork, Diversion Data

Wateryear	May		June		July		August		September	
	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)	Average (cfs)	Monthly Total (AF)
1980										
1981										
1982										
1983										
1984										
1985										
1986										
1987										
1988										
1989										
1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998			69.80	4,153.39						

Averages:			69.80	4,153.39						
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Blank cells are due to missing/insufficient data.

Average = Average Flow for ENTIRE month. Monthly Total = Total Volume used during month.

See Methodology section for explanations.

Spot data readings used in calculating averages in table on following pages.



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Peoples Canal, Henry's Fork, Diversion Data

**Data:**

1998: 6/1, 69.8 cfs; 7/6, 64.6 cfs.

Supply: 1980, average; 1981, slightly below average; 1982, average; 1983, above average; 1984, above average; 1985, average; 1986, average; 1987, average; 1988, below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, slightly above average; 1996, average; 1997, average; 1998, slightly above average.

Source: State Engineer's Office, Annual Hydrographers' Reports.

Green River Basin, Wyoming; Key Structures and Diversions  
Description and Operation Memorandum

Stag Hollow Ditch, Henry's Fork

**Diversion Description:** Information not available at time of report.

**Diversion Location:**

Source: Henry's Fork, Trib. Green River  
Section, Township, Range: 11, 12, 114

**Conveyance Description:** Open Channel Canal.

**Wyoming Water Rights Summary:**

Priority Date (M-D-Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
09-04-1909	9326	Domestic, Irrigation	160.00	2.28	2.28	
09-26-1911	2537E	Domestic, Irrigation	531.00	7.59	9.87	
07-26-1915	3252E	Domestic, Irrigation	160.00	2.28	12.15	

**Storage Rights:** None.

**Estimated Canal Losses:** Information not available at time of report.

**Irrigation Practices:** Information not available at time of report.

**Crop Types / Consumptive Use:** Information not available at time of report.

**Return Flows:** Return flows are delivered to Poison Creek above Donohoo Number 3 ditch.

**Other Operational Information:** Information not available at time of report.

Green River Basin, Wyoming; Key Structures and Diversions  
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Stag Hollow Ditch, Henry's Fork, Diversion Data

No Diversion Data Available.