TECHNICAL MEMORANDUM

SUBJECT: **Green River Basin Plan**
Irrigation Diversion Operation and Description

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Introduction

In accordance with the scope of services, an inventory of the ditches located within the Green River Basin was completed. This inventory and subsequent summary calculations are intended to used for future planning and to create an accurate model of the basin. This inventory consists of 2 classes of ditches: 1) Ditches which have permitted flows of 10 cubic feet per second (cfs) or greater; and 2) ditches which have had a change in the point of diversion and means of conveyance to another ditch and that new total flow is 10 cfs or greater. The permitted flows were determined by the records in the Tabulation of Adjudicated Water Rights of the State of Wyoming, October, 1999, for ditches in the Little Snake River Basin (Division I), and April, 1996, for the remaining ditches (Division IV). Interviews with Lead Hydrographer-Commissioners and major ditch operators were then conducted to complete Description and Operation Memorandums for the major ditches. Two sources of data were used for compilation of the diversion data sheets: State Hydrographer's records for the wateryears 1980-1998 (available in the State Engineer's office); and USGS gaging station records. While Operational Memorandums were generally not completed for the ditches with permitted flows of 10 cfs or less, the recorded flows (when available) were noted and added to the larger ditches to which they contribute. The following methodology procedure was used for the data found in the Hydrographer's records.

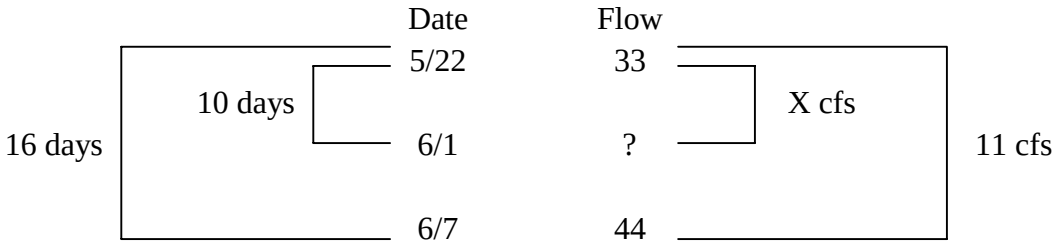
Methodology – State Hydrographer's Records

The results listed in the diversion record summary sheets were calculated by the following technique: Step 1: Data was collected for each year and each pertinent ditch from the State Hydrographer's records. Example: Reardon Ditch, 1984:

Date:	Flow (cfs):	Date:	Flow (cfs):
5/3	4	7/6	37
5/14	38	7/11	37
5/22	33	8/6	0 (off)
6/7	44	8/16	0 (off)
6/25	44	9/18	0 (off)

Note: Due to lack of data, unless otherwise noted in the record, it is assumed that the first date listed is the dated that the ditch was turned on (i.e. the ditch had no flow until that date). See **Important Note** at end of memo.

Step 2: The flow at the first day of each intermediate month was found by linear interpolation. Example: June 1 (6/1), same ditch:



6/1 minus 5/22 = 10 days. 6/7 minus 5/2 = 16 days.

Flow on 6/1 (? cfs) minus flow on 5/22 (33 cfs) = X cfs.

Flow on 6/7 (44 cfs) minus flow on 5/22 (33 cfs) = 11 cfs.

$$\frac{\text{10 days}}{\text{16 days}} = \frac{\text{X cfs}}{\text{11 cfs}}$$

X cfs = 11 cfs x (10days/16days) = 6.88 cfs

Flow on 6/1 = Flow on 5/22 (33 cfs) + X cfs (6.88 cfs) = 39.88 cfs.

(Repeat as needed for additional months.)

Note: If two data points were more than 6 weeks (40 days) apart, interpolation across those points was not done. For example, the available data for the Tibbals Ditch (East Fork New Fork River) for 1986 were as follows: 6/19, 7.5 cfs; 7/9, 5.3 cfs; 9/9, 0.5 cfs (est). By interpolation, the flow on the first of July (7/1) was found. However, flow was not calculated for the first of October (8/1), nor was it calculated for the first of November (9/1), due to the fact that the time span between the last two data points exceeds 6 weeks.

Step 3: Find a weighted average for each month. Example, the Month of June (same ditch):

Date	Flow		Average	Volume
6/1	*39.88*	# of days	Flow (cfs)	(cfs-days)
		6	41.94	251.64
6/7	44			
		18	44.00	792.00
6/25	44			
		6	42.09	252.54
7/1	*40.18*			

Note: Figures in italics are interpolated by Step 2.

Volume (cfs-days) = # of days x average flow

Total Volume (cfs-days) = sum of intermediate volumes = 1296.18 cfs-days

Average Flow for Month = Total Volume / # of days in month (30 in June) = 43.21 cfs.

Note: If less than ½ of the month was represented by data (whether interpolated or given in the hydrographer's reports), a weighted average was not computed for that month. For example, for the Colorado Ditch (Pine Creek), the following data were available for 1993: 5/17, 39.30 cfs; 5/22, 45.00 cfs; 5/28, 48.60 cfs; 6/2, 45.00 cfs…. A weighted average for the month of May (5) was not found due to the fact that only 15 days (5/17 to 5/31) of the month were represented by data. The data was, however, used to interpolate a flow value for the first of June (6/1), which was then used to calculate a weighted average for the month of June.

The value for the average flow is then placed in the summary chart for the corresponding month and year (i.e. June, 1984), and the steps are repeated for each month and year. The Monthly Total listed in the summary chart is the total volume of water (example, 1296.18 cfs-days) converted to units of Acre-Feet (1 cfs-day = 1.983 AF).

Step 4: Calculate average for period of record for each month. Example: May (same ditch)

Calculated Averages and Totals found by Steps 1-3:

(Note: Blanks are due to insufficient/missing data.)

Year	Average Flow (cfs)	Monthly Total (AF)
1980		
1981	9.95	611.80
1982	22.52	1384.70
1983	22.38	1376.09
1984	28.36	1743.79
1985	19.70	1211.31
1986	23.72	1458.49
1987	34.27	2107.18
1988	25.22	1550.72
1989	24.17	1486.16
1990		
1991	25.57	1572.24
1992	13.57	834.39
1993	25.33	1557.48
1994	22.25	1368.10
1995	22.68	1394.54
1996	30.21	1857.54
1997	19.09	1173.80
1998	36.32	2233.23

Average for the period of record = sum of data points (non-blank) divided by number of data points (non-blank):

	Average Flow (cfs)	Average Monthly Total (AF)
Sum:	405.31	24921.54
# of Points:	17	17
Average:	23.84	1465.97

This step is repeated for each month

Methodology – USGS Gaging Station Records

The total flow for each month, as calculated by the USGS in Acre-feet (AF), was recorded on the summary sheets. The average flow for the month was then calculated by dividing the total volume of water flow (in AF) by the number of days in the month (31 for May, etc.), and then converting to cubic-feet per second. Example: Hughes Ditch (North Piney Creek), station number 002290.00, June, 1792: Total flow = 175.48 AF. Total flow / # of days = 175.48 AF / 30 days = 5.85 AF/day = 2.95 cfs.

Important Note:

Monthly flow averages are averaged over the length of the ENTIRE month, not just days in which flows occurred. Also, many ditches did not have on/off dates listed. Unless otherwise noted in the record, it is assumed that he first date listed in the dated in which the ditch was turned on (i.e. there was no flow before that date), and the last date listed is the date in which the ditch was turned off (i.e. there was no flow after that date). This may cause some minor inaccuracies in the summary.

Return Flow Determination

In addition to the determination of historical flows in ditches, a determination of the return flow characteristics of irrigation water to the stream system was completed. For many ditches, this determination was established by other studies, or found during interviews. For the remaining ditches, the return flows were found by a study of the irrigated lands and topographic maps. The return flow location was determined by following the general terrain as the irrigated waters would flow over it until it met a stream. This location was then recorded in the operational memos.

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Little Snake River	Baggs Ditch	12.98	I	8	4-12-091	
Little Snake River	Baker Ditch	0.57	I	8	10-12-090	No Data Found
Little Snake River	Bennett & Aylesworth Ditch	0.00	I	8	1-12-091	
Little Snake River	Carruthers Ditch	2.28	I	8	6-12-090	
Little Snake River	Dixon Mercantile & Lumber Co. (Enl)	0.00	I	8	13-12-090	No Data Found
Little Snake River	First Mesa Canal (Enl)	41.37	I	8	13-12-090	
Little Snake River	Gibson & Blair Ditch	30.36	I	8	7-12-091	
Little Snake River	Highland Ditch	0.00	I	8	9-12-090	No Data Found
Little Snake River	Highline Ditch	0.00	I	8	8-12-090	No Data Found
Little Snake River	John Irons Ditch	1.24	I	8	6-12-091	
Savery Creek	Kelley Ditch	0.00	I	8	8-12-098	
Savery Creek	Kilgore Ditch	0.00	I	8	7-12-089	
Savery Creek	Mathews, Baker, & Easam Ditch	0.00	I	8	28-13-089	
Savery Creek	McCarey, Gooley, & Wilson Ditch	0.00	I	8	8-12-089	
Savery Creek	Mesa Irrigating Canal	24.00	I	8	2-13-089	No Data Found
Little Snake River	Perkins Ditch	0.00	I	8	13-12-090	No Data Found
Little Snake River	West Side Canal	78.59	I	8	9-12-090	
Smith's Fork	Botero Ditch	13.70	IV	3	18-13-115	No Data
Cottonwood Creek (Smith's)	C.M. Larson Ditch	13.02	IV	3	18-15-113	No Data
East Fork Smith's Fork Creek	Co-operative Ditch (Enl)	13.12	IV	3	32-13-115	
Smith's Fork	Davis & Co. Ditch	26.66	IV	3	30-14-115	
Smith's Fork	Erickson & Polson Ditch	0.00	IV	3		No Data
East Fork Smith's Fork Creek	J. R. G. Ditch	22.16	IV	3	20-13-115	
Smith's Fork	Kidman-Wall Ditch	14.05	IV	3	23-15-115	
East Fork Smith's Fork Creek	Milich Ditch	59.76	IV	3	32-13-115	

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Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Smith's Fork	R. B. Harvey Ditch	0.00	IV	3		No Data
Smith's Fork	South Side & Kidman-Wall Ditch (Enl)	12.43	IV	3	27-15-115	No Data
East Fork Smith's Fork Creek	Timber Line Ditch	14.79	IV	3	29-13-115	
LaBarge Creek	Alford Ditch	16.37	IV	5	L54-26-113	
LaBarge Creek	Anderson & Howard Ditch	47.98	IV	5	4-26-114	
LaBarge Creek	Bushnell Ditch	0.00	IV	5		No Data
Green River	Fontenelle Powerplant	1924.00	IV	5	25-24-112	Not for Irrigation - No Data
LaBarge Creek	LaBarge No. 2 Ditch	12.39	IV	5	19-26-112	
LaBarge Creek	Miller No. 1 Ditch	2.80	IV	5	14-26-114	No Data
LaBarge Creek	Miller, Baker, & Burdick Ditch	1.43	IV	5	10-26-114	No Data
LaBarge Creek	Red Gap Ditch	2.54	IV	5	L54-26-113	
LaBarge Creek	Steed Ditch	12.76	IV	5	L41-26-113	
Big Sandy River	Big Sandy Ditch	13.12	IV	6	14-30-105	Originally named Johnson & Gasswint Ditch
Little Sandy Creek	Continental Divide Ditch	11.25	IV	6	25-30-104	
Big Sandy River	Eden No. 1 Canal	114.29	IV	6	17-27-106	No Data
Little Sandy Creek	Little Sandy Ditch	13.16	IV	6	9-29-104	No Diversion Data
Big Sandy River	Means Canal	129.01	IV	6	11-26-106	No Data

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Big Sandy River	Tunnel Ditch	0.00	IV	6	14-30-105	POD/MOC changes before study period of record - No data
Little Sandy Creek	Zemba Ditch	11.80	IV	6	9-29-104	
West Fork New Fork River	Alexander Ditch (Lower)	15.17	IV	7	34-35-110	
West Fork New Fork River	Alexander Ditch (Upper)	1.20	IV	7	32-36-110	
West Fork New Fork River	Bee Line Ditch	23.59	IV	7	13-34-110	
West Fork New Fork River	Belknap & Noble Ditch	3.42	IV	7	3-34-110	
New Fork River	Bertram Ditch	14.79	IV	7	16-31-109	No Data
Pine Creek	Best Flume	53.75	IV	7	27-34-109	Not for Irrigation - No Data
Boulder Creek (Trib West Fork New Fork River)	Boulder Canal	147.35	IV	7	23-33-108	
West Fork New Fork River	Channel Ditch	0.00	IV	7	34-35-110	No Data
Pine Creek	Colorado Ditch	18.88	IV	7	28-34-109	
West Fork New Fork River	Converse Ditch	24.86	IV	7	3-34-110	
East Fork New Fork River	East Fork Canal	26.10	IV	7	10-31-106	
Fall Creek	Fayette Canal	30.40	IV	7	2-33-108	
Pine Creek	Fremont Ditch	7.41	IV	7	23-34-109	
East Fork New Fork River	Gilligan & Iven Ditch	13.57	IV	7	9-31-106	
Green River	Harman Ditch	0.00	IV	7	8-31-110	No Data
West Fork New Fork River	Harry Rahm Ditch	12.73	IV	7	34-35-110	
Lake Creek	High Line Ditch	19.67	IV	7	19-35-109	

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Pine Creek	Highland Canal	83.06	IV	7	23-34-109	
West Fork New Fork River	Jenkins Ditch	27.67	IV	7	5-35-110	
East Fork New Fork River	Jorgensen Ditch	18.85	IV	7	9-31-106	
Silver Creek	King No. 2 Ditch	16.40	IV	7	24-32-107	
East Fork New Fork River	Lake Ditch	0.00	IV	7	10-31-106	See East Fork Canal
Pine Creek	Lee Ditch	51.23	IV	7	28-34-109	a.k.a. Pine Creek No. 1 Canal
West Fork New Fork River	Luman Ditch	0.00	IV	7	34-35-110	No Data
West Fork New Fork River	Luman No. 2 Ditch	0.00	IV	7	34-35-110	No Data
West Fork New Fork River	McKinley Ditch	0.00	IV	7	2-34-110	No Data
Green River	Overland Ditch	20.66	IV	7	8-31-110	
East Fork New Fork River	Overland Ditch (Enl)	21.19	IV	7	12-31-106	
West Fork New Fork River	Paradise Canal	28.94	IV	7	1-32-109	
Pole Creek	Pole Creek No. 2 Ditch	25.98	IV	7	4-33-108	
East Fork New Fork River	Rocky Mountain Ditch	18.11	IV	7	10-31-106	
West Fork New Fork River	Sill Ditch	19.90	IV	7	9-33-109	
East Fork New Fork River	Tibbals Ditch	20.65	IV	7	4-31-106	
Green River	Wardell Ditch	11.04	IV	7	L8-30-110	No Data
West Fork New Fork River	Wright Ditch	13.46	IV	7	16-35-110	
Ham's Fork	Charles F. Roberson Ditch	10.00	IV	9	29-21-114	
Green River	Green River Water Works	40.00	IV	9	15-18-107	Not for Irrigation - No Data
Ham's Fork	Moore & Bagley Ditch	12.51	IV	9	15-19-112	

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Ham's Fork	Nutria Ditch	17.94	IV	9	31-21-112	
Ham's Fork	Old Mexican Ditch	12.34	IV	9	25-21-113	No Data
South Fork Fontenelle Creek	South Fork Ditch	10.82	IV	9	24-25-116	No Data
Ham's Fork	South Side Ditch	10.00	IV	9	31-21-114	
Green River	Westvaco Pipeline	17.56	IV	9	16-20-109	Not for Irrigation - No Data
Ham's Fork	Winslow, Hallock, & Capen Ditch	10.05	IV	9	31-21-112	
Green River	Ada Ditch	11.12	IV	10	15-33-110	
Fish Creek	Aurora Ditch	3.33	IV	10	28-30-114	
Fish Creek	Barbara Budd Ditch	14.85	IV	10	34-30-114	
North Piney Creek	Bedier Ditch	10.25	IV	10	22-31-113	
North Piney Creek	Bench Ditch	1.90	IV	10	23-30-112	No Data
North Piney Creek	Bitter Root Ditch	0.00	IV	10	36-30-112	No Data
Middle Piney Creek	Black No. 1	0.00	IV	10	10-29-112	No Data
Middle Piney Creek	Black No. 3	0.00	IV	10	3-29-112	No Data
Green River	Bullard Ditch	0.00	IV	10	23-28-112	No Data
South Piney Creek	Champion Ditch	0.00	IV	10	3-29-112	No Data
Cottonwood Creek	Cottonwood Canal	53.79	IV	10	21-32-111	
Green River	Cowdell Waste Water Ditch (Enl)	15.60	IV	10	26-28-112	No Data
South Beaver Creek	Darrow Ditch	13.56	IV	10	4-35-113	No Data
North Piney Creek	Dewey Ditch	14.38	IV	10	21-31-113	
Cottonwood Creek	Essex Ditch	18.17	IV	10	11-32-112	
South Piney Creek	Ex-Pence Ditch	11.63	IV	10	9-29-113	
North Piney Creek	F.W. Armstrong (Enl)	0.00	IV	10	15-30-112	No Data
Green River	Facile Ditch	0.00	IV	10	12-28-122	No Data

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
North Piney Creek	Fish No. 1 Ditch	0.00	IV	10	5-30-112	No Data
North Piney Creek	Fleming Ditch	15.33	IV	10	22-31-113	
South Cottonwood Creek	Fredell Ditch	23.20	IV	10	35-33-114	
Green River	Green River Island Ditch	21.55	IV	10	13-28-112	
North Cottonwood Creek	Guthrie No. 2 Ditch	14.60	IV	10	14-33-114	
North Piney Creek	H. McKay Ditch	18.43	IV	10	4-30-112	
North Piney Creek	H. McKay No. 2 Ditch	0.00	IV	10	10-30-112	No Data
Green River	Hanna Ditch	14.21	IV	10	34-31-110	
Green River	Highline Ditch	51.59	IV	10	2-29-111	
Green River	Hill Ditch	24.69	IV	10	16-32-110	
South Piney Creek	Homestake Ditch	28.20	IV	10	9-29-112	
South Cottonwood Creek	Hope Ditch	12.79	IV	10	35-33-112	
North Piney Creek	Hughes Ditch	37.07	IV	10	26-31-113	
Green River	Landers Ditch	0.00	IV	10	3-29-111	No Data
South Piney Creek	Last Chance Ditch	0.00	IV	10	2-29-112	No Data
Cottonwood Creek	Lawrence Ditch	30.13	IV	10	36-33-112	
South Piney Creek	Leifer Ditch	0.00	IV	10	9-29-112	No Data
Middle Piney Creek	Leifer No. 1	0.00	IV	10	4-29-112	No Data
Middle Piney Creek	Leifer No. 2	0.00	IV	10	9-29-112	No Data
Green River	Lincecum Ditch	0.00	IV	10	21-29-111	No Data
Green River	Luce No. 1 Ditch	0.00	IV	10	L9-31-110	No Data
South Piney Creek	MacGlashan Ditch	0.00	IV	10	6-29-111	No Data
South Beaver Creek	Martin Ditch	11.20	IV	10	2-35-113	No Data
South Beaver Creek	McCaully-Sargent Ditch	13.64	IV	10	17-35-113	No Data
North Piney Creek	Meadow Canyon Ditch	0.00	IV	10	19-31-113	
South Piney Creek	Merrill Ditch	0.00	IV	10	6-29-111	No Data

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
South Piney Creek	Midmermac Ditch	13.14	IV	10	5-29-111	
South Piney Creek	Midway Ditch	0.00	IV	10	6-29-111	No Data
North Piney Creek	Mills No. 2 Ditch	0.00	IV	10	21-31-113	No Data
South Cottonwood Creek	Munn Ditch	36.74	IV	10	35-33-114	
North Piney Creek	Musselman Ditch	14.57	IV	10	26-31-113	
Middle Piney Creek	Noble No. 1	0.00	IV	10	8-29-112	No Data
Middle Piney Creek	Noble No. 11	11.73	IV	10	8-29-112	
North Piney Creek	North Piney Canal	45.65	IV	10	19-31-113	
Green River	Olson-Murdock-Hanna Ditch	14.80	IV	10	9-30-110	
South Piney Creek	Oman Ditch	0.00	IV	10	6-29-111	No Data
North Piney Creek	Osterhout-Edwards Ditch	13.60	IV	10	9-30-112	
Green River	Pearson Ditch	10.47	IV	10	32-35-111	No Data
Cottonwood Creek	Ranchero Ditch	0.00	IV	10	2-31-111	
North Piney Creek	Rankin No. 1 Ditch	0.00	IV	10	15-30-112	No Data
South Cottonwood Creek	Ray Ditch	11.77	IV	10	11-32-114	
South Piney Creek	Reardon Ditch	40.15	IV	10	10-29-112	
Middle Piney Creek	Redan Ditch	14.67	IV	10	32-30-113	
North Piney Creek	Renshaw Ditch	0.00	IV	10	6-30-112	
North Piney Creek	S. McKay No. 2 Ditch	27.54	IV	10	15-30-112	
Green River	Sheep Ditch	25.84	IV	10	21-31-110	
LaBarge Creek	Smith Ditch	13.10	IV	10	L44-27-26-113	
Green River	Soap Hole Ditch	21.55	IV	10	10-33-110	Diversion is from Tom Poole Slough
South Piney Creek	South Piney Ditch	21.35	IV	10	10-29-113	
North Piney Creek	Summit Ditch	11.13	IV	10	10-30-112	

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Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
South Piney Creek	Swan No. 1 Ditch	5.37	IV	10	2-29-112	No Data
South Piney Creek	Swan No. 2 Ditch	0.00	IV	10	2-29-112	No Data
South Piney Creek	Swan No. 3 Ditch	0.18	IV	10	1-29-112	No Data
South Piney Creek	Tarter Ditch	0.70	IV	10	11-29-112	No Data
South Piney Creek	Yankee Ditch	19.64	IV	10	9-29-112	
Spring Creek	Andrus Ditch	25.86	IV	11	8-34-112	
Green River	Apex Ditch	54.00	IV	11	17-35-111	
Green River	Ashley-Wolf Ditch	15.62	IV	11	29-35-111	
Boulder Creek (Trib Green River)	Black Butte Ditch	4.51	IV	11	19-37-109	
Green River	Bonneville Ditch	21.38	IV	11	19-34-111	
Green River	Brome Ditch	21.10	IV	11	33-34-111	
Green River	Canyon Ditch	33.28	IV	11	1-36-111	
Green River	Cox No. 1 Ditch	10.34	IV	11	29-35-111	
Green River	Dickinson No. 1 Ditch	18.25	IV	11	20-35-111	
Green River	Enos Ditch	15.68	IV	11	29-34-111	
Green River	Green River Supply Canal	39.32	IV	11	4-33-110	
South Fork Horse Creek	Harrison-Sayer Ditch	20.40	IV	11	25-34-114	No Data
Horse Creek	Hartley Ditch	16.92	IV	11	5-34-113	
Horse Creek	Irwin Ditch	21.83	IV	11	4-34-113	
Horse Creek	Lead Ditch	18.11	IV	11	5-34-113	
Middle Piney Creek	Leifer No. 4	0.00	IV	11	9-29-112	No Data
North Beaver Creek	Lena Ditch	10.10	IV	11	25-36-112	
Boulder Creek (Trib Green River)	Luckpenny Ditch	11.96	IV	11	19-37-109	
North Beaver Creek	McDole Ditch	0.00	IV	11	25-36-112	No Data

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Horse Creek	McGovern No. 2 Ditch	0.00	IV	11	5-34-113	POD/MOC changes before study period of record - No data
Middle Piney Creek	Otto Leifer	0.00	IV	11	7-29-112	No Data
Green River	Pape Ditch	14.65	IV	11	32-35-111	
Middle Beaver Creek	Payne-Gooden Ditch	15.13	IV	11	33-36-112	
Boulder Creek (Trib Green River)	Preston Ditch	10.67	IV	11	19-37-109	
Green River	Scott Ditch	17.49	IV	11	29-35-111	
Green River	Small Ditch	0.00	IV	11	29-34-111	No Data
Horse Creek	Snider Ditch	32.66	IV	11	5-34-113	
Green River	Stockade Ditch	26.34	IV	11	18-34-111	
Green River	Sutton Ditch	10.73	IV	11	32-34-110	No Data
Horse Creek	Todd Ditch	12.70	IV	11	L2-1-33-111	
South Fork Horse Creek	Vickery No. 1 Ditch	12.21	IV	11	25-34-114	No Data
Henry's Fork	Blue Bell Ditch	14.16	IV	14	T38-12-112	
Burnt Fork	Interstate Canal	102.29	IV	14	Not Noted	
Henry's Fork	Peoples Canal	33.41	IV	14	L18-6-12-109	Some lands in Utah
Henry's Fork	Stag Hollow Ditch	12.15	IV	14	11-12-114	No Data
Black's Fork	Black's Fork Canal	287.04	IV	15	14-14-116	
Black's Fork	Bridger Butte Ditch	61.49	IV	15	30-15-115	
Big Muddy Creek	C.L. Byrne No. 2 Ditch	33.62	IV	15	4-14-117	No Data
Black's Fork	Center Ditch	8.47	IV	15	16-15-115	
Black's Fork	Deeben-Heinze Ditch	38.77	IV	15	28-16-115	

Table 1: Major Ditches Inventoried

Source	Facility	Total cfs	Div.	Dist.	HG Location (S-T-R)	Comments
Black's Fork	Demander Ditch	2.11	IV	15	32-14-116	
Black's Fork	Fort Bridger Canal	48.53	IV	15	16-15-115	
Black's Fork	Ingersoll Ditch	0.00	IV	15	28-14-116	No Data
Black's Fork	Lamb Supply Canal	7.47	IV	15	22-14-116	
Big Muddy Creek	Maude Ditch	19.68	IV	15	14-13-118	No Data
Big Muddy Creek	Outlet Cross Ditch	12.91	IV	15	19-14-117	No Data
Black's Fork	Pine Grove Canal	88.31	IV	15	28-14-116	
Black's Fork	Pine Grove Canal (Peoples)	4.52	IV	15	28-14-116	No Data
Black's Fork	Shirk No. 1 Ditch	14.92	IV	15	5-13-116	
Black's Fork	Shirk No. 2 Ditch	13.45	IV	15	22-14-116	
Black's Fork	Twin Butte Ditch	29.91	IV	15	4-15-115	
Black's Fork	Uinta Canal No. 3	57.13	IV	15	5-15-115	
Black's Fork	Utah-Wyoming No. 2 Ditch	13.26	IV	15	24-13-117	
Black's Fork	Wall Ditch	0.00	IV	15	28-14-116	No Data
Black's Fork	White, Mansfield, & Robbins Ditch	14.78	IV	15	28-14-116	
Ham's Fork	Viva Naughton Hydro Power Plant	156.00	IV		T43-14-117	Not for Irrigation - No Data