Water Division IV

District 7

Alexander Ditch, West Fork New Fork River

Diversion Description: Diversion consists of a 6' wide wood gate.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 34, 35, 110

Conveyance Description: Open Channel Canal, approximately 1 mile in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
07-03-1896	1281	Irrigation	520.00	7.40	7.40	POD/MOC change from a portion of W.F. Irrigation Ditch.
03-15-1901	3081	Irrigation	320.00	4.57	11.97	POD/MOC change from a portion of Luman Ditch.
03-15-1901	3082	Irrigation	160.00	2.28	14.25	POD/MOC change from a portion of Luman No. 2 Ditch.
11-11-1903	5855	Irrigation			14.25	11.12 AF Secondary Supply from New Fork Lake Reservoir (480R) (8.00 acres served)
11-11-1903	4865E	Irrigation			14.25	107.44 AF Secondary Supply from New Fork Lake Reservoir (480R) (77.30 acres served)
02-02-1915	13032	Domestic, Irrigation	13.00	0.18	14.43	
06-11-1929	4836E	Irrigation	51.90	0.74	15.17	

Storage Rights: New Fork Lake Reservoir.

Estimated Canal Losses: Typical losses (10%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River at Beeline Ditch.[2]

Alexander Ditch, West Fork New Fork River

Other Operational Information: The canal is typically turned on in late May and irrigation flows stop in late July. Stock flows continue until October.[1]

Note: There are two ditches with the name of Alexander on the West Fork New Fork River. This memo describes the larger (lower) ditch. The other ditch has a headgate located at Section 32, Township 36, Range 110, and has a total permitted flow of 1.20 cfs.

Sources: 1) Floyd Briggs, New Fork River Irrigation District, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Alexander Ditch, West Fork New Fork River, 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			*21.17*	*1,259.90*	*9.57*	*588.28*	*0.59*	*36.28*	*4.39*	*261.42*
1985			*20.85*	*1,240.46*	*8.82*	*542.48*	*0.76*	*47.01*	*2.03*	*121.05*
1986			*23.06*	*1,371.97*	*12.23*	*751.80*	*1.10*	*67.93*	*3.08*	*183.29*
1987	*6.81*	*418.85*	*19.28*	*1,147.26*	*9.65*	*593.32*	*1.41*	*86.82*	*3.21*	*191.21*
1988										
1989										
1990										
1991										
1992										
1993										
1994	0.00	0.00	5.12	304.66	14.46	889.11	2.35	144.50		
1995										
1996										
1997										
1998										
Averages:	3.41	209.43	17.90	1,064.85	10.95	673.00	1.24	76.51	3.18	189.24

Data in italics from USGS gaging station 007115.00, see attached data sheets.
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.

Alexander Ditch, West Fork New Fork River, Diversion Data

Data:
1994: 5/13, 6/13, dry; 7/2, 18.00 cfs; 7/22, 14.00 cfs; 8/15, dry; 9/7, 2.50 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Green River Basin, Wyoming; Key Structures and Diversions
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Alexander Ditch, West Fork New Fork River, Diversion Data

ALEXANDER DITCH STATION NO. 007115.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
SW1/4SE1/4 SECTION 34 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7350.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	23.50	20.10	0.59	0.59	1
2	**	**	**	**	**	**	**	**	23.50	20.90	0.59	0.59	2
3	**	**	**	**	**	**	**	**	23.50	21.40	0.59	1.33	3
4	**	**	**	**	**	**	**	**	20.90	25.20	0.59	4.58	4
5	**	**	**	**	**	**	**	**	20.10	25.40	0.59	4.58	5
6	**	**	**	**	**	**	**	**	24.00	25.40	0.59	4.04	6
7	**	**	**	**	**	**	**	**	23.00	24.60	0.59	4.25	7
8	**	**	**	**	**	**	**	**	22.20	24.30	0.59	4.46	8
9	**	**	**	**	**	**	**	**	21.60	13.20	0.59	5.04	9
10	**	**	**	**	**	**	**	**	22.40	4.58	0.59	5.28	10
11	**	**	**	**	**	**	**	**	22.70	4.58	0.59	5.41	11
12	**	**	**	**	**	**	**	**	21.60	4.58	0.59	6.20	12
13	**	**	**	**	**	**	**	**	20.40	4.58	0.59	5.66	13
14	**	**	**	**	**	**	**	**	19.60	7.53	0.59	5.53	14
15	**	**	**	**	**	**	**	**	19.40	18.20	0.59	5.53	15
16	**	**	**	**	**	**	**	**	22.20	15.60	0.59	5.53	16
17	**	**	**	**	**	**	**	**	22.20	15.80	0.59	5.04	17
18	**	**	**	**	**	**	**	**	21.40	9.22	0.59	5.04	18
19	**	**	**	**	**	**	**	**	19.40	1.02	0.59	4.92	19
20	**	**	**	**	**	**	**	**	19.20	0.91	0.59	5.16	20
21	**	**	**	**	**	**	**	2.61	19.20	0.94	0.59	5.93	21
22	**	**	**	**	**	**	**	3.45	19.60	0.87	0.59	5.79	22
23	**	**	**	**	**	**	**	4.46	19.60	0.94	0.59	7.53	23
24	**	**	**	**	**	**	**	5.66	20.40	0.87	0.59	7.53	24
25	**	**	**	**	**	**	**	5.66	21.40	0.87	0.59	4.80	25
26	**	**	**	**	**	**	**	4.69	21.40	0.84	0.59	2.32	26
27	**	**	**	**	**	**	**	10.70	20.90	0.84	0.59	2.32	27
28	**	**	**	**	**	**	**	9.78	19.40	0.80	0.59	2.32	28
29	**	**	**	**	**	**	**	9.78	19.60	0.84	0.59	2.25	29
30	**	**	**	**		**	**	23.00	20.90	0.84	0.59	2.25	30
31	**		**	**		**		23.50		0.84	0.59		31
TOTAL	**	**	**	**	**	**	**	103.29*	635.20	296.59	18.29	131.80	
MEAN	**	**	**	**	**	**	**	9.39*	21.17	9.57	0.59	4.39	
AC-FT	**	**	**	**	**	**	**	204.87*	1259.90	588.28	36.28	261.42	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	2.25	**	**	**	**	**	**	**	25.89	0.25	0.02	1.47	1
2	2.32	**	**	**	**	**	**	**	24.96	0.19	0.02	0.63	2
3	2.32	**	**	**	**	**	**	**	26.51	3.88	0.02	0.98	3
4	2.32	**	**	**	**	**	**	**	26.20	20.32	0.02	1.18	4
5	2.39	**	**	**	**	**	**	**	25.27	21.15	0.03	1.32	5
6	2.39	**	**	**	**	**	**	**	22.83	21.72	0.02	1.47	6
7	2.32	**	**	**	**	**	**	**	22.29	21.15	0.01	1.39	7
8	2.25	**	**	**	**	**	**	**	22.00	18.96	0.01	1.47	8
9	2.18	**	**	**	**	**	**	**	22.58	18.43	0.02	1.55	9
10	2.18	**	**	**	**	**	**	**	22.29	18.96	0.01	1.63	10
11	2.12	**	**	**	**	**	**	**	22.29	19.77	0.02	1.71	11
12	2.05	**	**	**	**	**	**	**	22.58	19.50	0.03	2.15	12
13	1.93	**	**	**	**	**	**	**	22.58	18.69	0.04	1.71	13
14	1.87	**	**	**	**	**	**	**	22.83	17.91	0.06	1.55	14
15	1.75	**	**	**	**	**	**	**	23.46	17.65	0.04	1.79	15
16	1.33	**	**	**	**	**	**	**	24.06	16.63	0.09	2.15	16
17	1.33	**	**	**	**	**	**	**	24.36	15.89	0.14	2.15	17
18	1.02	**	**	**	**	**	**	**	23.46	1.79	0.16	2.24	18
19	0.00	**	**	**	**	**	**	**	20.87	0.32	0.12	2.95	19
20	0.00	**	**	**	**	**	**	**	19.23	0.16	0.07	2.34	20
21	0.00	**	**	**	**	**	**	**	17.65	0.07	1.79	2.64	21
22	0.00	**	**	**	**	**	**	7.39	17.39	0.07	1.71	3.52	22
23	0.00	**	**	**	**	**	**	7.34	17.39	0.02	1.79	3.06	23
24	0.00	**	**	**	**	**	**	7.34	17.91	0.00	1.88	2.74	24
25	0.00	**	**	**	**	**	**	13.30	23.46	0.00	1.97	2.74	25
26	0.00	**	**	**	**	**	**	15.40	24.06	0.00	2.15	2.74	26
27	0.00	**	**	**	**	**	**	17.39	23.46	0.00	2.54	2.95	27
28	**	**	**	**	**	**	**	17.39	16.38	0.00	2.74	2.95	28
29	**	**	**	**		**	**	18.17	0.80	0.00	2.15	2.15	29
30	**	**	**	**		**	**	31.43	0.36	0.01	2.06	1.71	30
31	**		**	**		**		29.08		0.01	1.97		31
TOTAL	36.32*	**	**	**	**	**	**	164.23*	625.40	273.50	23.70	61.03	
MEAN	1.35*	**	**	**	**	**	**	16.42*	20.85	8.82	0.76	2.03	
AC-FT	72.04*	**	**	**	**	**	**	325.75*	1240.46	542.48	47.01	121.05	

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1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.63	1.47	**	**	**	**	**	**	10.03	28.47	0.07	2.75	1
2	1.71	1.63	**	**	**	**	**	**	12.99	28.47	0.09	2.75	2
3	1.71	1.63	**	**	**	**	**	**	15.32	28.14	0.07	2.65	3
4	1.71	**	**	**	**	**	**	**	17.58	28.14	0.09	2.65	4
5	1.71	**	**	**	**	**	**	**	21.98	28.47	0.11	2.75	5
6	1.63	**	**	**	**	**	**	**	15.08	28.47	0.09	2.75	6
7	2.06	**	**	**	**	**	**	**	25.28	25.59	0.07	2.75	7
8	2.24	**	**	**	**	**	**	**	24.36	9.45	0.07	3.08	8
9	2.15	**	**	**	**	**	**	**	23.75	9.07	0.09	3.54	9
10	2.15	**	**	**	**	**	**	**	21.69	8.33	0.11	3.78	10
11	2.06	**	**	**	**	**	**	**	22.27	13.21	0.32	3.78	11
12	2.06	**	**	**	**	**	**	**	26.85	26.85	2.35	3.66	12
13	1.97	**	**	**	**	**	**	**	29.13	26.85	2.35	3.54	13
14	1.88	**	**	**	**	**	**	**	28.14	26.85	2.45	3.42	14
15	1.88	**	**	**	**	**	**	**	26.53	27.17	2.55	3.42	15
16	1.88	**	**	**	**	**	**	**	25.28	18.64	2.55	3.42	16
17	1.88	**	**	**	**	**	**	**	24.05	10.23	2.65	3.42	17
18	1.79	**	**	**	**	**	**	**	22.86	3.42	2.65	3.66	18
19	1.79	**	**	**	**	**	**	**	21.69	1.63	2.45	3.90	19
20	1.71	**	**	**	**	**	**	**	20.55	0.19	2.35	4.16	20
21	1.71	**	**	**	**	**	**	0.00	27.17	0.09	2.35	4.16	21
22	1.79	**	**	**	**	**	**	0.00	27.17	0.09	2.45	3.42	22
23	2.06	**	**	**	**	**	**	0.16	26.53	0.14	0.85	2.35	23
24	1.97	**	**	**	**	**	**	2.65	24.97	0.14	0.06	2.35	24
25	1.88	**	**	**	**	**	**	2.65	25.28	0.22	0.07	2.35	25
26	1.79	**	**	**	**	**	**	2.65	25.59	0.19	0.09	2.35	26
27	1.71	**	**	**	**	**	**	2.75	25.28	0.16	0.16	2.35	27
28	1.63	**	**	**	**	**	**	1.89	24.97	0.11	0.22	2.35	28
29	1.25	**	**	**		**	**	0.53	24.97	0.09	0.29	2.45	29
30	1.04	**	**	**		**	**	1.80	24.36	0.09	1.32	2.45	30
31	1.39		**	**		**		7.80		0.07	2.86		31
TOTAL	55.82	4.73*	**	**	**	**	**	22.88*	691.70	379.03	34.25	92.41	
MEAN	1.80	1.58*	**	**	**	**	**	2.08*	23.06	12.23	1.10	3.08	
AC-FT	110.72	9.38*	**	**	**	**	**	45.38*	1371.97	751.80	67.93	183.29	

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1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	2.45	1.97	**	**	**	**	**	**	14.91	19.40	0.07	2.83	1
2	2.45	2.06	**	**	**	**	**	**	15.38	18.10	0.07	2.93	2
3	2.35	1.18	**	**	**	**	**	**	16.59	7.47	0.09	4.35	3
4	2.35	0.25	**	**	**	**	**	**	16.34	5.02	0.11	4.75	4
5	2.35	0.19	**	**	**	**	**	**	16.10	4.48	0.11	4.61	5
6	2.35	0.14	**	**	**	**	**	**	18.10	4.09	0.11	4.61	6
7	2.35	0.11	**	**	**	**	**	**	20.75	23.59	0.11	3.85	7
8	2.35	0.11	**	**	**	**	**	**	20.48	23.59	0.11	3.15	8
9	2.25	0.14	**	**	**	**	**	**	21.87	23.88	0.09	3.26	9
10	2.06	0.16	**	**	**	**	**	**	23.59	26.90	0.09	3.26	10
11	2.06	0.19	**	**	**	**	**	**	23.29	26.27	0.05	3.26	11
12	2.16	0.19	**	**	**	**	**	1.31	22.72	25.67	0.05	3.37	12
13	2.06	0.22	**	**	**	**	**	2.32	22.72	24.77	0.09	3.43	13
14	2.16	0.32	**	**	**	**	**	4.35	21.87	23.88	0.19	3.49	14
15	2.16	0.32	**	**	**	**	**	6.03	19.94	25.37	0.32	3.49	15
16	2.16	0.44	**	**	**	**	**	6.50	8.16	11.39	0.19	3.61	16
17	2.25	0.36	**	**	**	**	**	6.50	5.73	1.04	0.14	3.73	17
18	2.25	0.32	**	**	**	**	**	7.14	6.97	0.91	0.16	3.61	18
19	2.45	0.32	**	**	**	**	**	9.24	21.87	0.74	0.58	3.15	19
20	2.45	0.29	**	**	**	**	**	12.66	22.72	0.63	3.97	3.15	20
21	2.55	0.29	**	**	**	**	**	14.21	22.72	0.63	3.97	3.15	21
22	2.65	0.29	**	**	**	**	**	15.86	22.72	0.40	3.85	3.04	22
23	2.55	0.29	**	**	**	**	**	14.44	22.72	0.22	3.61	2.83	23
24	2.45	0.29	**	**	**	**	**	13.53	22.15	0.19	3.85	2.23	24
25	2.35	0.32	**	**	**	**	**	12.87	22.72	0.09	3.73	2.52	25
26	2.35	**	**	**	**	**	**	13.76	24.17	0.04	3.49	2.72	26
27	2.25	**	**	**	**	**	**	15.38	20.21	0.02	3.26	2.05	27
28	2.16	**	**	**	**	**	**	14.67	19.94	0.02	2.93	2.05	28
29	2.35	**	**	**		**	**	13.53	20.48	0.11	2.83	1.96	29
30	2.45	**	**	**		**	**	12.66	20.48	0.11	2.83	1.96	30
31	2.25		**	**		**		14.21		0.11	2.72		31
TOTAL	71.83	10.76*	**	**	**	**	**	211.17*	578.41	299.13	43.77	96.40	
MEAN	2.32	.43*	**	**	**	**	**	10.56*	19.28	9.65	1.41	3.21	
AC-FT	142.47	21.34*	**	**	**	**	**	418.85*	1147.26	593.32	86.82	191.21	

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.96	1.91	**	**	**	**	**	**	**	**	**	**	1
2	1.87	**	**	**	**	**	**	**	**	**	**	**	2
3	1.62	**	**	**	**	**	**	**	**	**	**	**	3
4	1.96	**	**	**	**	**	**	**	**	**	**	**	4
5	2.83	**	**	**	**	**	**	**	**	**	**	**	5
6	2.62	**	**	**	**	**	**	**	**	**	**	**	6
7	2.83	**	**	**	**	**	**	**	**	**	**	**	7
8	2.72	**	**	**	**	**	**	**	**	**	**	**	8
9	2.93	**	**	**	**	**	**	**	**	**	**	**	9
10	3.37	**	**	**	**	**	**	**	**	**	**	**	10
11	3.43	**	**	**	**	**	**	**	**	**	**	**	11
12	2.93	**	**	**	**	**	**	**	**	**	**	**	12
13	2.93	**	**	**	**	**	**	**	**	**	**	**	13
14	3.04	**	**	**	**	**	**	**	**	**	**	**	14
15	2.93	**	**	**	**	**	**	**	**	**	**	**	15
16	2.93	**	**	**	**	**	**	**	**	**	**	**	16
17	2.93	**	**	**	**	**	**	**	**	**	**	**	17
18	2.93	**	**	**	**	**	**	**	**	**	**	**	18
19	2.93	**	**	**	**	**	**	**	**	**	**	**	19
20	3.04	**	**	**	**	**	**	**	**	**	**	**	20
21	3.15	**	**	**	**	**	**	**	**	**	**	**	21
22	3.15	**	**	**	**	**	**	**	**	**	**	**	22
23	2.83	**	**	**	**	**	**	**	**	**	**	**	23
24	2.67	**	**	**	**	**	**	**	**	**	**	**	24
25	2.62	**	**	**	**	**	**	**	**	**	**	**	25
26	2.52	**	**	**	**	**	**	**	**	**	**	**	26
27	2.52	**	**	**	**	**	**	**	**	**	**	**	27
28	2.57	**	**	**	**	**	**	**	**	**	**	**	28
29	2.52	**	**	**	**	**	**	**	**	**	**	**	29
30	2.37	**	**	**		**	**	**	**	**	**	**	30
31	1.96	**		**		**		**		**	**		31
TOTAL	83.61	1.91*	**	**	**	**	**	**	**	**	**	**	
MEAN	2.70	1.91*	**	**	**	**	**	**	**	**	**	**	
AC-FT	165.84	3.79*	**	**	**	**	**	**	**	**	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

Bee Line Ditch, West Fork New Fork River

Diversion Description: Diversion consists of two 30" diameter slide gates. A wooden plank diversion dam exists.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 13, 34, 110

Conveyance Description: Open Channel Canal. Approximately ¾ of a mile below the headgate, the canal splits into two branches: the east branch is approximately 12 miles long; the west branch is approximately 9 miles long[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
05-10-1897	1487	Irrigation	707.40	10.13	10.13	
05-15-1899	425E	Irrigation	596.00	8.50	18.63	
11-11-1903	4871E	Irrigation			18.63	482.19 AF Secondary Supply from New Fork Lake Reservoir (480R) (346.90 acres served)
11-21-1904	1303E	Irrigation	80.00	1.14	19.77	
06-11-1929	4843E	Irrigation	268.78	3.81	23.58	

Storage Rights: New Fork Lake Reservoir.

Estimated Canal Losses: Typical losses (10%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River at Duck Creek.[2]

Other Operational Information: The canal is typically turned on in late May and irrigation flows stop in late July. Stock flows continue until October.[1]

Sources: 1) Floyd Briggs, New Fork River Irrigation District, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Bee Line Ditch, West Fork New Fork River, 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			*23.88*	*1,420.88*	*27.57*	*1,695.35*	*0.83*	*50.80*	*1.37*	*81.76*
1985	*2.61*	*160.36*	*27.80*	*1,654.41*	*24.74*	*1,521.46*	*3.70*	*227.56*	*6.69*	*398.12*
1986	*1.78*	*109.63*	*42.50*	*2,529.14*	*32.27*	*1,984.30*	*6.26*	*384.67*	*6.20*	*369.12*
1987	*11.14*	*685.01*	*27.13*	*1,614.22*	*25.47*	*1,566.27*	*4.43*	*272.65*	*2.47*	*147.09*
1988										
1989										
1990										
1991										
1992										
1993			42.66	2,538.45	30.22	1,858.16				
1994	11.95	734.78	29.36	1,747.04	10.67	656.07	10.10	621.02		
1995										
1996										
1997										
1998										
Averages:	6.87	422.44	32.22	1,917.36	25.16	1,546.93	5.06	311.34	4.18	249.02

Data in italics from USGS gaging station 007128.00, see attached data sheets.
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.

Bee Line Ditch, West Fork New Fork River, Diversion Data

Data:

1993: 6/3, 23.00 cfs; 6/4, 38.40 cfs; 6/16, 51.81 cfs; 7/29, 24.60 cfs.
1994: 5/13, 10.00 cfs; 6/13, 41.00 cfs; 7/2, 8.50 cfs; 7/22, 12.00 cfs; 9/7, 8.50 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Bee Line Ditch, West Fork New Fork River, Diversion Data

BEE-LINE DITCH STATION NO. 007128.00
LATITUDE 42-54-35 LONGITUDE 109-58-42
SE1/4NW1/4 SECTION 13 TOWNSHIP 34 N,RANGE 110 W 6TH P.M.
ELEVATION 7258.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	2.28	49.80	1.10	0.54	1
2	**	**	**	**	**	**	**	**	0.38	43.90	0.98	0.54	2
3	**	**	**	**	**	**	**	**	0.38	40.30	0.88	0.58	3
4	**	**	**	**	**	**	**	**	0.38	43.30	0.79	0.61	4
5	**	**	**	**	**	**	**	**	0.38	45.20	0.58	0.74	5
6	**	**	**	**	**	**	**	**	5.26	45.80	0.70	0.79	6
7	**	**	**	**	**	**	**	**	18.60	45.20	0.88	0.79	7
8	**	**	**	**	**	**	**	**	16.20	45.20	0.74	0.79	8
9	**	**	**	**	**	**	**	**	15.60	44.60	0.61	0.79	9
10	**	**	**	**	**	**	**	**	17.20	45.80	0.61	0.93	10
11	**	**	**	**	**	**	**	**	19.00	43.30	0.61	0.88	11
12	**	**	**	**	**	**	**	**	19.40	42.70	0.61	0.93	12
13	**	**	**	**	**	**	**	**	21.30	47.10	0.61	0.88	13
14	**	**	**	**	**	**	**	**	20.90	46.50	0.70	0.83	14
15	**	**	**	**	**	**	**	**	20.10	42.70	0.74	0.58	15
16	**	**	**	**	**	**	**	**	20.90	39.70	0.79	0.50	16
17	**	**	**	**	**	**	**	**	22.90	36.80	0.83	0.50	17
18	**	**	**	**	**	**	**	**	23.70	36.30	0.88	0.54	18
19	**	**	**	**	**	**	**	**	23.70	37.40	0.88	0.58	19
20	**	**	**	**	**	**	**	**	22.90	17.60	0.88	0.65	20
21	**	**	**	**	**	**	**	**	28.60	2.99	0.88	0.70	21
22	**	**	**	**	**	**	**	**	39.70	2.47	0.88	0.70	22
23	**	**	**	**	**	**	**	**	42.70	2.28	0.93	0.70	23
24	**	**	**	**	**	**	**	**	43.30	1.55	0.83	1.77	24
25	**	**	**	**	**	**	**	1.10	44.60	0.74	0.98	1.55	25
26	**	**	**	**	**	**	**	0.79	45.80	0.70	1.10	5.42	26
27	**	**	**	**	**	**	**	0.74	45.80	0.88	1.15	2.67	27
28	**	**	**	**	**	**	**	0.58	44.60	1.04	1.04	2.38	28
29	**	**	**	**	**	**	**	0.58	43.30	0.98	0.93	4.36	29
30	**	**	**	**		**	**	3.22	46.50	0.98	0.88	7.00	30
31	**		**	**		**		7.19		0.93	0.61		31
TOTAL	**	**	**	**	**	**	**	14.20*	716.36	854.74	25.61	41.22	
MEAN	**	**	**	**	**	**	**	2.03*	23.88	27.57	0.83	1.37	
AC-FT	**	**	**	**	**	**	**	28.17*	1420.88	1695.35	50.80	81.76	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Green River Basin, Wyoming; Key Structures and Diversions
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BEE-LINE DITCH STATION NO. 007128.00
LATITUDE 42-54-35 LONGITUDE 109-58-42
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MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	5.10	**	**	**	**	**	**	**	28.05	26.26	4.01	3.52	1
2	4.95	**	**	**	**	**	**	**	31.03	25.91	4.01	6.28	2
3	4.36	**	**	**	**	**	**	**	29.89	22.56	4.26	6.28	3
4	3.96	**	**	**	**	**	**	**	16.35	21.61	4.13	6.12	4
5	3.83	**	**	**	**	**	**	**	15.29	21.93	4.13	6.12	5
6	3.83	**	**	**	**	**	**	**	23.54	28.78	4.13	6.12	6
7	4.65	**	**	**	**	**	**	**	27.32	32.20	4.13	6.12	7
8	4.51	**	**	**	**	**	**	**	26.26	36.24	4.13	6.12	8
9	4.51	**	**	**	**	**	**	**	26.61	35.41	3.88	6.28	9
10	4.51	**	**	**	**	**	**	**	13.28	34.19	3.88	6.44	10
11	4.51	**	**	**	**	**	**	**	4.39	37.94	3.88	6.44	11
12	4.51	**	**	**	**	**	**	**	9.93	48.01	4.01	7.28	12
13	3.57	**	**	**	**	**	**	**	29.15	43.27	4.01	7.11	13
14	4.36	**	**	**	**	**	**	**	29.15	39.67	3.88	6.77	14
15	4.23	**	**	**	**	**	**	**	29.15	37.94	3.88	6.61	15
16	4.80	**	**	**	**	**	**	**	30.27	37.51	3.88	6.44	16
17	4.23	**	**	**	**	**	**	**	29.52	40.56	3.88	6.28	17
18	4.65	**	**	**	**	**	**	**	30.65	41.91	3.88	6.28	18
19	5.75	**	**	**	**	**	**	**	31.81	38.80	3.88	7.28	19
20	5.75	**	**	**	**	**	**	**	31.42	30.65	3.88	7.28	20
21	2.02	**	**	**	**	**	**	**	30.65	22.89	3.76	6.94	21
22	2.10	**	**	**	**	**	**	1.46	29.89	21.92	3.88	7.99	22
23	2.38	**	**	**	**	**	**	2.86	30.65	9.33	3.88	7.81	23
24	1.93	**	**	**	**	**	**	3.07	31.81	3.76	3.76	7.28	24
25	3.45	**	**	**	**	**	**	3.07	37.51	3.64	3.64	7.11	25
26	5.58	**	**	**	**	**	**	2.86	37.94	4.01	2.76	7.11	26
27	5.26	**	**	**	**	**	**	2.10	41.00	4.01	2.76	7.11	27
28	**	**	**	**	**	**	**	1.32	37.51	4.01	2.76	7.28	28
29	**	**	**	**		**	**	14.77	34.19	4.01	2.66	7.46	29
30	**	**	**	**		**	**	21.29	29.89	4.01	2.56	7.46	30
31	**		**	**		**		28.05		4.13	2.56		31
TOTAL	113.29*	**	**	**	**	**	**	80.85*	834.10	767.07	114.73	200.72	
MEAN	4.20*	**	**	**	**	**	**	8.09*	27.80	24.74	3.70	6.69	
AC-FT	224.71*	**	**	**	**	**	**	160.36*	1654.41	1521.46	227.56	398.12	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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Bee Line Ditch, West Fork New Fork River, Diversion Data

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	7.28	4.79	**	**	**	**	**	**	18.60	45.37	5.42	6.33	1
2	7.11	4.79	**	**	**	**	**	**	23.71	51.47	5.42	6.33	2
3	6.94	4.79	**	**	**	**	**	**	36.78	51.47	5.42	6.33	3
4	6.77	4.79	**	**	**	**	**	**	38.42	50.99	5.42	6.33	4
5	6.77	**	**	**	**	**	**	**	43.13	52.45	5.27	6.17	5
6	6.77	**	**	**	**	**	**	**	44.46	50.50	5.42	6.17	6
7	6.77	**	**	**	**	**	**	**	45.37	51.47	5.42	6.17	7
8	6.94	**	**	**	**	**	**	**	48.60	51.47	5.42	6.17	8
9	6.77	**	**	**	**	**	**	**	46.74	50.99	5.42	6.17	9
10	6.77	**	**	**	**	**	**	**	43.13	48.60	5.42	6.17	10
11	6.61	**	**	**	**	**	**	**	38.83	46.28	5.42	6.17	11
12	6.77	**	**	**	**	**	**	**	43.13	42.25	5.42	6.17	12
13	6.77	**	**	**	**	**	**	**	45.82	40.95	5.42	6.01	13
14	6.44	**	**	**	**	**	**	**	45.37	40.95	5.42	6.01	14
15	6.44	**	**	**	**	**	**	**	45.37	46.74	5.42	6.01	15
16	6.44	**	**	**	**	**	**	**	43.57	50.50	5.56	6.01	16
17	6.28	**	**	**	**	**	**	**	42.25	46.28	6.33	6.01	17
18	6.28	**	**	**	**	**	**	**	43.13	36.37	7.31	5.86	18
19	6.12	**	**	**	**	**	**	**	43.57	31.71	7.49	5.71	19
20	6.12	**	**	**	**	**	**	**	40.52	26.35	7.31	5.71	20
21	6.12	**	**	**	**	**	**	**	44.46	23.71	7.49	5.71	21
22	6.12	**	**	**	**	**	**	**	50.03	10.32	7.49	5.71	22
23	6.28	**	**	**	**	**	**	**	49.55	5.86	7.49	5.56	23
24	6.28	**	**	**	**	**	**	**	47.67	5.71	7.31	5.71	24
25	6.28	**	**	**	**	**	**	**	46.28	6.01	7.14	5.56	25
26	6.28	**	**	**	**	**	**	**	46.28	6.33	7.14	5.56	26
27	6.12	**	**	**	**	**	**	2.61	43.57	6.33	7.14	5.56	27
28	6.12	**	**	**	**	**	**	7.66	43.13	6.01	6.98	5.42	28
29	6.12	**	**	**		**	**	13.42	42.69	5.71	6.98	8.56	29
30	5.97	**	**	**		**	**	14.63	40.95	5.71	6.98	10.74	30
31	5.36		**	**		**		16.95		5.56	6.65		31
TOTAL	200.21	19.16*	**	**	**	**	**	55.27*	1275.11	1000.42	193.94	186.10	
MEAN	6.46	4.79*	**	**	**	**	**	11.05*	42.50	32.27	6.26	6.20	
AC-FT	397.11	38.00*	**	**	**	**	**	109.63*	2529.14	1984.30	384.67	369.12	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	9.92	7.31	0.00	**	**	**	**	**	18.16	33.09	4.26	4.00	1
2	10.32	6.81	0.00	**	**	**	**	**	15.59	33.09	4.13	3.76	2
3	10.95	6.98	0.00	**	**	**	**	**	15.35	33.09	4.13	3.76	3
4	10.32	6.98	0.00	**	**	**	**	**	16.09	31.33	4.13	3.88	4
5	9.92	6.49	0.00	**	**	**	**	**	16.34	28.61	4.13	3.88	5
6	9.72	6.33	**	**	**	**	**	**	16.34	27.63	4.00	3.17	6
7	9.72	5.86	**	**	**	**	**	**	19.51	26.66	4.00	2.73	7
8	10.95	4.58	**	**	**	**	**	**	25.39	28.28	4.00	2.52	8
9	11.60	3.13	**	**	**	**	**	**	23.24	32.03	4.33	2.42	9
10	11.60	1.97	**	**	**	**	**	**	35.63	47.99	4.80	2.33	10
11	12.04	1.22	**	**	**	**	**	**	28.61	50.15	4.80	2.33	11
12	11.82	1.50	**	**	**	**	**	3.63	27.63	41.78	4.73	2.23	12
13	11.82	0.76	**	**	**	**	**	3.88	29.96	37.88	4.73	2.23	13
14	11.82	0.81	**	**	**	**	**	4.00	28.61	37.12	4.80	2.23	14
15	11.82	0.81	**	**	**	**	**	3.88	30.64	34.89	5.23	2.23	15
16	11.60	0.86	**	**	**	**	**	4.13	34.89	33.81	5.01	2.23	16
17	11.60	0.71	**	**	**	**	**	4.39	29.96	37.88	4.80	2.23	17
18	11.82	0.37	**	**	**	**	**	9.64	26.34	39.81	4.73	2.23	18
19	9.52	0.18	**	**	**	**	**	16.60	26.02	35.63	4.66	2.23	19
20	7.49	0.14	**	**	**	**	**	21.77	27.95	33.09	4.53	2.23	20
21	7.49	0.00	**	**	**	**	**	26.98	30.30	32.03	4.53	2.13	21
22	7.49	0.00	**	**	**	**	**	27.63	32.03	17.11	4.39	2.04	22
23	7.31	0.00	**	**	**	**	**	26.34	33.81	3.76	4.39	2.05	23
24	7.31	0.00	**	**	**	**	**	23.85	33.81	3.88	4.39	1.95	24
25	7.14	0.00	**	**	**	**	**	23.85	33.09	4.13	4.53	1.95	25
26	7.14	0.00	**	**	**	**	**	25.08	33.45	4.13	4.39	1.91	26
27	6.98	0.00	**	**	**	**	**	26.66	32.03	4.13	4.39	1.86	27
28	6.98	0.00	**	**	**	**	**	27.95	30.30	4.13	4.26	1.86	28
29	6.98	0.00	**	**		**	**	23.55	30.64	4.13	4.13	1.78	29
30	7.31	0.00	**	**		**	**	21.77	32.38	4.13	4.13	1.78	30
31	7.31		**	**		**		19.78		4.26	4.00		31
TOTAL	295.81	63.80	0.00*	**	**	**	**	345.36*	814.09	789.66	137.46	74.16	
MEAN	9.54	2.13	0.00*	**	**	**	**	17.27*	27.14	25.47	4.43	2.47	
AC-FT	586.73	126.55	0.00*	**	**	**	**	685.01*	1614.72	1566.27	272.65	147.09	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Bee Line Ditch, West Fork New Fork River, Diversion Data

BEE-LINE DITCH STATION NO. 007128.00
LATITUDE 42-54-35 LONGITUDE 109-58-42
SE1/4NW1/4 SECTION 13 TOWNSHIP 34 N,RANGE 110 W 6TH P.M.
ELEVATION 7258.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.78	**	**	**	**	**	**	**	**	**	**	**	1
2	3.05	**	**	**	**	**	**	**	**	**	**	**	2
3	6.60	**	**	**	**	**	**	**	**	**	**	**	3
4	6.44	**	**	**	**	**	**	**	**	**	**	**	4
5	6.93	**	**	**	**	**	**	**	**	**	**	**	5
6	6.77	**	**	**	**	**	**	**	**	**	**	**	6
7	7.27	**	**	**	**	**	**	**	**	**	**	**	7
8	8.14	**	**	**	**	**	**	**	**	**	**	**	8
9	8.32	**	**	**	**	**	**	**	**	**	**	**	9
10	8.50	**	**	**	**	**	**	**	**	**	**	**	10
11	8.50	**	**	**	**	**	**	**	**	**	**	**	11
12	8.50	**	**	**	**	**	**	**	**	**	**	**	12
13	8.54	**	**	**	**	**	**	**	**	**	**	**	13
14	8.72	**	**	**	**	**	**	**	**	**	**	**	14
15	8.72	**	**	**	**	**	**	**	**	**	**	**	15
16	8.69	**	**	**	**	**	**	**	**	**	**	**	16
17	8.54	**	**	**	**	**	**	**	**	**	**	**	17
18	8.54	**	**	**	**	**	**	**	**	**	**	**	18
19	8.54	**	**	**	**	**	**	**	**	**	**	**	19
20	8.87	**	**	**	**	**	**	**	**	**	**	**	20
21	8.69	**	**	**	**	**	**	**	**	**	**	**	21
22	8.69	**	**	**	**	**	**	**	**	**	**	**	22
23	8.50	**	**	**	**	**	**	**	**	**	**	**	23
24	8.73	**	**	**	**	**	**	**	**	**	**	**	24
25	8.69	**	**	**	**	**	**	**	**	**	**	**	25
26	8.50	**	**	**	**	**	**	**	**	**	**	**	26
27	8.50	**	**	**	**	**	**	**	**	**	**	**	27
28	8.37	**	**	**	**	**	**	**	**	**	**	**	28
29	8.50	**	**	**	**	**	**	**	**	**	**	**	29
30	8.69	**	**	**		**	**	**	**	**	**	**	30
31	8.50		**	**		**		**		**	**		31
TOTAL	244.32	**	**	**	**	**	**	**	**	**	**	**	
MEAN	7.88	**	**	**	**	**	**	**	**	**	**	**	
AC-FT	484.60	**	**	**	**	**	**	**	**	**	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

Bertram Ditch, New Fork River

Diversion Description: Diversion consists of a single 24" slide gate. No diversion dam exists.[1]

Diversion Location:

Source: New Fork River, Trib. Green River
Section, Township, Range: 16, 31, 109

Conveyance Description: Open Channel Canal, approximately 1 mile in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
09-09-1901	3406	Irrigation	226.00	3.22	3.22	
05-19-1908	1890E	Irrigation	725.00	10.35	13.57	
03-06-1925	4444E	Irrigation	86.00	1.22	14.79	

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 New Fork River near Big Piney.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Bertram Ditch, New Fork River, Diversion Data

No Diversion Data Available.

Boulder Canal, Boulder Creek

Diversion Description: Diversion consists of a single 72" steel radial gate. A rock diversion dam exists.[1]

Diversion Location:

Source: Boulder Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River

Section, Township, Range: 23, 33, 108

Conveyance Description: Open Channel Canal, approximately 14 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
10-18-1899	2322	Irrigation	630.00	9.00	9.00	Permitted Name: Burkhalter
03-08-1901	633E	Irrigation	285.00	4.07	13.07	Permitted Name: Enl. Burkhalter
08-01-1902	889E	Domestic, Irrigation	3,087.50	44.05	57.12	Permitted Name: Boulder Canal (Enl. Oliver)
08-25-1902	906E	Irrigation	260.00	3.71	60.83	Permitted Name: Enl. Burkhalter
05-11-1903	1042E	Irrigation	320.00	4.56	65.39	Permitted Name: Enl. Burkhalter
06-04-1903	1099E	Irrigation	729.00	10.41	75.80	Permitted Name: Enl. Burkhalter & Thompson
12-18-1906	1646E	Domestic, Irrigation	746.00	10.64	86.44	Permitted Name: Boulder (Enl. Burkhalter)
10-14-1919	4030E	Domestic, Irrigation, Stock	3,693.47	52.66	139.10	Permitted Name: Enl. Boulder Canal (Oliver and Burkhalter)
03-11-1948	5454E	Irrigation	99.00	1.41	140.51	Permitted Name: Enl. Boulder Canal
03-01-1984	6749E	Irrigation	37.00	0.53	141.04	Permitted Name: Lozier Enl. Boulder Canal
03-01-1984	6750E	Irrigation	59.00	0.84	141.88	Permitted Name: Johnston Enl. Boulder Canal

Boulder Canal, Boulder Creek

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
04-04-1985	6780E	Irrigation	26.60	0.39	142.27	Permitted Name: Steele Enl. Boulder Canal. Supplementary Supply for 63.90 acres with Original Supply from East Fork New Fork River

Storage Rights: None.

Estimated Canal Losses: Typical (10%) losses are experienced in the first 6 miles of the canal; higher than typical losses (20-25%) are experienced in the remainder of the canal.[1]

Irrigation Practices: Information not available at time of report.

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

Return Flows: Approximately 85% of the return flows are delivered to West Fork New Fork River near Ward Ball, and approximately 15% are delivered to East Fork River near New Fork Wyoming.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 9, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Boulder Canal, Boulder Creek, 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			323.50	19,249.59						
1985										
1986										
1987										
1988										
1989										
1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
Averages:			323.50	19,249.59						

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.

Boulder Canal, Boulder Creek, Diversion Data

Data:

1981: 6/9, 360 cfs; 8/11, 22 cfs; 8/27, 120 cfs.
1982: 6/7, 380 cfs; 6/17, 360 cfs; 7/22, off.
1983: 5/10, 65 cfs (est); 5/18, off; 5/26, 80 cfs; 6/13, 384 cfs.
1984: 5/17, 100 cfs; 6/19, 366 cfs; 7/3, 372 cfs.
1991: 6/24, 344.26 cfs.
1992: 6/10, 251.00 cfs; 6/24, 100.00 cfs.
1993: 7/6, 350.00 cfs.
1994: 7/5, 350.00 cfs.
1996: 6/15, 348 cfs; 8/1, 76.8 cfs.
1997: 5/19, 160.6 cfs; 6120, 305 cfs; 7/29, 112.7 cfs.
1998: 8/4, 99.42 cfs; 9/30, 68.7 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Colorado Ditch, Pine Creek

Diversion Description: Diversion consists of a 5' wide slide gate mounted on a concrete structure. A rock diversion dam exists.[1]

Diversion Location:

Source: Pine Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 28-34-109

Conveyance Description: Open Channel Canal, approximately 2 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
05-06-1898	1817	Irrigation	723.98	10.34	10.34	
02-09-1899	402E	Irrigation	287.00	4.06	14.40	
11-08-1906	1631E	Irrigation	241.55	3.44	17.84	
08-10-1934	4954E	Domestic, Irrigation, Stock			17.84	3,370.23 AF Secondary Supply from Fremont Lake Reservoir (4453R and 4465R) (878.55 acres served)
06-26-1945	5406E	Irrigation, Stock	72.90	1.04	18.88	
05-07-1984	6859E	Res. Supply			18.88	Supply ditch for Golf Course Pond Nos. 1-4

Storage Rights: Fremont Lake Reservoir.

Estimated Canal Losses: No significant losses are experienced. In fact, minor gains are experienced from seepage of other ditches.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River near Sill Ditch.[2]

Other Operational Information: The canal is typically turned on the first of May and off the first of September.[1]

Colorado Ditch, Pine Creek

Sources:	1) Bill Sours, Colorado Ditch Company, Interview, May 4, 2000. 2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Colorado Ditch, Pine Creek, 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)
1974	*21.11*	*1,298.20*	*54.85*	*3,263.80*	*42.38*	*2,606.08*	*0.00*	*0.00*	*4.75*	*282.64*
1975			*37.65*	*2,240.13*	*54.72*	*3,364.76*			*3.41*	*202.91*
1976			*25.54*	*1,519.93*	*29.35*	*1,804.76*	*6.55*	*402.64*	*9.71*	*578.00*
1978			*42.41*	*2,523.57*	*32.48*	*1,997.35*				
1980	2.75	169.09	26.75	1,591.74	18.79	1,155.35	0.00	0.00		
1981	3.52	216.44	25.78	1,534.02	20.63	1,268.49				
1982			33.07	1,967.80	46.24	2,843.19	0.06	3.69	1.50	89.26
1983			28.43	1,691.70	30.32	1,864.30				
1984			27.38	1,629.22	38.55	2,370.35	8.85	544.17		
1985										
1986										
1987	15.95	980.73	37.64	2,239.74	29.61	1,820.65				
1988					13.51	830.68				
1989	7.12	437.79	19.93	1,185.92	19.32	1,187.94				
1990			2.69	160.07						
1991			20.36	1,211.25						
1992	32.49	1,997.73	34.03	2,024.93	23.64	1,453.57	20.16	1,239.59	6.39	380.23
1993			45.01	2,678.28	30.48	1,874.14	6.20	381.22	5.79	344.53
1994	26.08	1,603.60	42.44	2,525.36	31.88	1,960.22	9.07	557.69	5.85	348.10
1995	19.71	1,211.92	33.16	1,973.16	34.78	2,138.54	8.87	545.40	10.94	650.98
1996	8.77	539.25	28.47	1,694.08	20.57	1,264.80				
1997										
1998							2.19	134.76		
Averages:	15.28	939.42	31.42	1,869.71	30.43	1,870.89	6.20	380.92	6.04	359.58

Data in italics from USGS gaging station 006040.00, see attached data sheets.
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.

Colorado Ditch, Pine Creek, Diversion Data

Data:

1980: 5/14, 6 cfs; 5/24, 5 cfs; 5/28, 3 cfs; 6/4, 5 cfs; 6/9, 10 cfs; 6/13, 30 cfs; 6/17, 32 cfs; 6/24, 40 cfs; 6/27, 40 cfs; 7/7, 58 cfs; 7/10, 40 cfs; 7/16, 7/17, 8/1 1, off.
1981: 5/13, 2 cfs (est); 5/27, 6 cfs; 6/9, 30 cfs; 6/15, 21 cfs; 7/6, 38 cfs; 7/15, 32 cfs; 7/24, 7/30, off; 8/7, 2 cfs (est).
1982: 5/24, off; 6/9, 20 cfs; 6/18, 40 cfs; 6/24, 45 cfs; 7/7, 62 cfs; 7/19, 55 cfs; 8/2, 9/6, off; 9/21, 6 cfs (est).
1983: 6/3, off; 6/22, 44 cfs; 6/27, 50 cfs; 7/11, 50 cfs; 7/19, 32 cfs; 7/26, off.
1984: 5/22, 4 cfs; 5/30, 2 cfs; 6/9, 17 cfs; 6/18, 31 cfs; 7/2, 50 cfs; 7/10, 45 cfs; 7/16, 30 cfs; 7/26, 38 cfs; 8/20, off.
1986: 6/18, 22.5 cfs; 6/26, 39 cfs; 7/9, 22.5 cfs.
1987: 5/6, 16.3 cfs; 5/7, 9.6 cfs; 6/2, 29.7 cfs; 6/23, 42.9 cfs; 7/13, 39.3 cfs; 7/15, 35.7 cfs; 8/3, 3.0 cfs.
1988: 6/1, 46.3 cfs; 7/14, 35.1 cfs; 7/26, 21.8 cfs; 8/1, 4 cfs; 8/5, 4 cfs.
1989: 5/4, 4 cfs; 5/17, 3 cfs; 5/26, 15 cfs; 6/8, 18 cfs; 6/26, 21 cfs; 7/3, 33 cfs; 8/2, 3 cfs.
1990: 5/21, 10.5 cfs; 6/13, 1.9 cfs (est); 7/12, 1.3 cfs (est).
1991: 6/10, 23.40 cfs; 7/2, 35.30 cfs.
1992: 4/15, 12.00 cfs; 5/6, 18.00 cfs; 5/26, 50.30 cfs; 5/27, 38.00 cfs; 6/3, 40.00 cfs; 6/16, 35.00 cfs; 6/24, 30.00 cfs; 7/17, 15.00 cfs; 7/18, 25.00 cfs; 7/20, 30.00 cfs; 8/31, 15.00 cfs; 9/4, 10.00 cfs; 9/28, 3.00 cfs.
1993: 5/17, 39.30 cfs; 5/22, 45.00 cfs; 5/28, 48.60 cfs; 6/2, 45.00 cfs; 7/5, 45.00 cfs; 7/7, 44.00 cfs; 8/4, 6.00 cfs; 8/8, 6.00 cfs; 8/10, 6.00 cfs; 8/16, 6.00 cfs; 8/20, 6.00 cfs; 8/23, 6.00 cfs; 9/20, 6.00 cfs; 9/23, 6.00 cfs; 9/25, 6.00 cfs; 9/29, 4.50 cfs; 10/2, 4.00 cfs.
1994: 5/2, off; 5/26, 45.30 cfs; 6/14, 38.00 cfs; 6/16, 40.00 cfs; 6/24, 48.80 cfs; 7/6, 35.00 cfs; 7/20, 38.00 cfs; 8/1, 10.00 cfs; 8/11, 9.00 cfs; 8/22, 9.00 cfs; 9/8, 8.00 cfs; 9/20, 10.00 cfs; 9/21, 10.00 cfs.
1995: 4/3, 4/30, off; 5/1, 12.5 cfs; 5/7, 18.8 cfs; 5/13, 20.0 cfs; 5/25, 21.5 cfs; 6/3, 22.0 cfs; 6/9, 33.0 cfs; 6/24, 37.8 cfs; 7/1, 35 cfs (est); 7/31, 35.0 cfs; 8/2, 8.0 cfs; 8/24, 7.5 cfs; 9/5, 18.7 cfs; 9/22, 12.0 cfs (est).
1996: 5/10, 2.0 cfs (est); 5/14, 8.5 cfs (est); 6/25, 33.9 cfs; 7/8, 42 cfs (est); 7/25, off; 8/13, 1.5 cfs (est).
1997: 7/8, 28.2 cfs.
1998: 6/1, 33.05 cfs; 7/29, 2.5 cfs; 9/3, 1.9 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Colorado Ditch, Pine Creek, Diversion Data

COLORADO DITCH NEAR PINEDALE BY COUNTY ROAD STATION NO. 006040.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
NW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7220.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	54.00	57.00	0.00	0.00	1
2	**	**	**	**	**	**	**	**	54.00	56.80	0.00	0.00	2
3	**	**	**	**	**	**	**	**	53.00	57.00	0.00	0.00	3
4	**	**	**	**	**	**	**	**	53.00	57.00	0.00	0.00	4
5	**	**	**	**	**	**	**	**	53.00	58.00	0.00	0.00	5
6	**	**	**	**	**	**	**	**	53.00	59.00	0.00	0.00	6
7	**	**	**	**	**	**	**	7.00	53.00	60.00	0.00	0.00	7
8	**	**	**	**	**	**	**	7.00	52.50	63.00	0.00	0.00	8
9	**	**	**	**	**	**	**	7.00	52.00	63.00	0.00	0.00	9
10	**	**	**	**	**	**	**	7.00	52.00	63.00	0.00	0.00	10
11	**	**	**	**	**	**	**	8.00	53.00	62.00	0.00	0.00	11
12	**	**	**	**	**	**	**	9.00	53.00	60.00	0.00	0.00	12
13	**	**	**	**	**	**	**	10.00	53.00	58.00	0.00	0.00	13
14	**	**	**	**	**	**	**	10.00	54.00	56.00	0.00	0.00	14
15	**	**	**	**	**	**	**	10.01	54.00	54.00	0.00	0.00	15
16	**	**	**	**	**	**	**	14.00	55.00	52.00	0.00	0.00	16
17	**	**	**	**	**	**	**	18.00	55.00	50.10	0.00	0.00	17
18	**	**	**	**	**	**	**	20.00	56.00	48.00	0.00	0.00	18
19	**	**	**	**	**	**	**	24.00	56.00	46.00	0.00	17.50	19
20	**	**	**	**	**	**	**	28.00	57.00	44.00	0.00	16.00	20
21	**	**	**	**	**	**	**	32.00	57.00	42.00	0.00	16.00	21
22	**	**	**	**	**	**	**	36.80	57.00	40.00	0.00	15.00	22
23	**	**	**	**	**	**	**	38.30	57.00	38.00	0.00	14.00	23
24	**	**	**	**	**	**	**	39.80	57.00	36.00	0.00	13.00	24
25	**	**	**	**	**	**	**	41.30	57.00	34.00	0.00	12.00	25
26	**	**	**	**	**	**	**	42.80	57.00	0.00	0.00	11.00	26
27	**	**	**	**	**	**	**	44.30	57.00	0.00	0.00	7.00	27
28	**	**	**	**	**	**	**	45.80	57.00	0.00	0.00	7.00	28
29	**	**	**	**		**	**	48.50	57.00	0.00	0.00	7.00	29
30	**	**	**	**		**	**	51.90	57.00	0.00	0.00	7.00	30
31	**		**	**		**		54.00		0.00	0.00		31
TOTAL	**	**	**	**	**	**	**	654.51*	1645.50	1313.90	0.00	142.50	
MEAN	**	**	**	**	**	**	**	26.18*	54.85	42.38	0.00	4.75	
AC-FT	**	**	**	**	**	**	**	1298.20*	3263.80	2606.08	0.00	282.64	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Colorado Ditch, Pine Creek, Diversion Data

COLORADO DITCH NEAR PINEDALE BY COUNTY ROAD STATION NO. 006040.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
NW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7220.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	7.00	**	**	**	**	**	**	**	12.00	50.90	48.00	**	1
2	7.00	**	**	**	**	**	**	**	13.00	53.00	47.00	**	2
3	7.00	**	**	**	**	**	**	**	14.00	54.00	47.00	**	3
4	7.00	**	**	**	**	**	**	**	15.00	55.00	**	**	4
5	7.00	**	**	**	**	**	**	**	20.00	56.00	**	**	5
6	9.00	**	**	**	**	**	**	**	25.00	57.00	**	**	6
7	9.00	**	**	**	**	**	**	**	30.00	58.00	**	**	7
8	9.00	**	**	**	**	**	**	**	35.00	59.70	**	**	8
9	9.00	**	**	**	**	**	**	**	37.30	60.00	**	**	9
10	9.00	**	**	**	**	**	**	**	38.00	59.00	**	2.30	10
11	9.00	**	**	**	**	**	**	**	39.00	59.00	**	3.00	11
12	8.00	**	**	**	**	**	**	**	40.00	59.00	**	3.00	12
13	8.00	**	**	**	**	**	**	**	41.00	58.00	**	3.00	13
14	7.00	**	**	**	**	**	**	**	42.00	58.00	**	3.00	14
15	**	**	**	**	**	**	**	**	42.00	58.00	**	3.00	15
16	**	**	**	**	**	**	**	**	42.90	57.00	**	3.00	16
17	**	**	**	**	**	**	**	**	43.00	57.00	**	3.00	17
18	**	**	**	**	**	**	**	**	43.00	57.00	**	3.00	18
19	**	**	**	**	**	**	**	**	43.00	56.00	**	3.00	19
20	**	**	**	**	**	**	**	**	43.00	55.00	**	3.00	20
21	**	**	**	**	**	**	**	**	44.00	54.00	**	7.00	21
22	**	**	**	**	**	**	**	**	44.00	53.00	**	7.00	22
23	**	**	**	**	**	**	**	**	44.00	52.50	**	7.00	23
24	**	**	**	**	**	**	**	**	44.50	52.00	**	7.00	24
25	**	**	**	**	**	**	**	**	46.00	51.00	**	7.00	25
26	**	**	**	**	**	**	**	**	48.00	51.00	**	7.00	26
27	**	**	**	**	**	**	**	**	50.00	50.00	**	7.00	27
28	**	**	**	**	**	**	**	**	50.10	50.00	**	7.00	28
29	**	**	**	**		**	**	**	50.10	49.30	**	7.00	29
30	**	**	**	**		**	**	**	50.50	49.00	**	7.00	30
31	**		**	**		**		11.35		48.00	**		31
TOTAL	112.00*	**	**	**	**	**	**	11.35*	1129.40	1696.40	142.00*	102.30*	
MEAN	8.00*	**	**	**	**	**	**	11.35*	37.65	54.72	47.33*	4.87*	
AC-FT	222.15*	**	**	**	**	**	**	22.51*	2240.13	3364.76	281.65*	202.91*	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Colorado Ditch, Pine Creek, Diversion Data

COLORADO DITCH NEAR PINEDALE BY COUNTY ROAD STATION NO. 006040.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
NW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7220.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	18.30	30.00	5.00	5.00	1
2	3.50	**	**	**	**	**	**	**	19.00	30.00	4.75	5.28	2
3	27.30	**	**	**	**	**	**	**	21.00	30.00	5.00	5.00	3
4	27.00	**	**	**	**	**	**	**	24.00	30.00	5.00	5.00	4
5	27.00	**	**	**	**	**	**	**	27.00	31.00	6.00	5.00	5
6	27.00	**	**	**	**	**	**	**	30.00	31.00	6.00	5.00	6
7	27.00	**	**	**	**	**	**	**	33.00	31.00	7.00	5.04	7
8	26.00	**	**	**	**	**	**	**	36.00	32.00	8.00	5.00	8
9	26.00	**	**	**	**	**	**	**	39.80	32.00	9.00	5.00	9
10	26.00	**	**	**	**	**	**	**	41.00	33.00	9.50	5.00	10
11	25.00	**	**	**	**	**	**	**	41.00	34.00	10.00	12.00	11
12	25.00	**	**	**	**	**	**	**	41.00	35.00	10.00	12.00	12
13	25.00	**	**	**	**	**	**	**	36.00	36.50	9.00	12.60	13
14	24.00	**	**	**	**	**	**	**	32.00	36.00	9.00	12.00	14
15	24.00	**	**	**	**	**	**	**	32.50	35.00	8.00	12.00	15
16	24.00	**	**	**	**	**	**	**	32.00	35.00	8.00	12.00	16
17	23.00	**	**	**	**	**	**	8.95	34.00	34.00	7.00	12.00	17
18	23.00	**	**	**	**	**	**	9.00	34.00	33.00	6.00	12.00	18
19	23.00	**	**	**	**	**	**	9.00	**	32.50	5.00	12.00	19
20	22.00	**	**	**	**	**	**	9.00	**	32.00	4.75	12.00	20
21	22.00	**	**	**	**	**	**	9.00	**	32.00	5.00	12.00	21
22	22.00	**	**	**	**	**	**	9.00	**	32.00	5.00	12.00	22
23	21.00	**	**	**	**	**	**	9.00	24.90	31.00	5.00	12.19	23
24	21.00	**	**	**	**	**	**	9.00	24.00	31.10	5.00	12.00	24
25	21.00	**	**	**	**	**	**	9.00	24.00	30.00	6.00	12.00	25
26	20.00	**	**	**	**	**	**	8.95	23.70	29.00	6.00	12.00	26
27	20.10	**	**	**	**	**	**	9.00	23.00	28.00	6.00	12.00	27
28	19.00	**	**	**	**	**	**	12.00	23.00	27.00	6.00	12.00	28
29	18.00	**	**	**	**	**	**	15.00	23.10	6.00	6.00	12.30	29
30	**	**	**	**		**	**	18.00	29.00	5.80	6.00	12.00	30
31	**		**	**		**		18.00		5.00	5.00		31
TOTAL	638.90*	**	**	**	**	**	**	161.90*	766.30*	909.90	203.00	291.41	
MEAN	22.82*	**	**	**	**	**	**	10.79*	29.47*	29.35	6.55	9.71	
AC-FT	1267.24*	**	**	**	**	**	**	321.12*	1519.93*	1804.76	402.64	578.00	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Colorado Ditch, Pine Creek, Diversion Data

COLORADO DITCH NEAR PINEDALE BY COUNTY ROAD STATION NO. 006040.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
NW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7220.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	6.00	55.00	**	**	1
2	**	**	**	**	**	**	**	**	33.00	56.00	**	**	2
3	**	**	**	**	**	**	**	**	33.00	55.00	**	**	3
4	**	**	**	**	**	**	**	**	33.00	54.00	**	**	4
5	**	**	**	**	**	**	**	**	33.30	53.00	**	**	5
6	**	**	**	**	**	**	**	**	33.00	52.00	**	**	6
7	**	**	**	**	**	**	**	**	34.00	50.00	**	**	7
8	**	**	**	**	**	**	**	**	35.00	48.00	**	**	8
9	**	**	**	**	**	**	**	**	38.00	46.00	**	**	9
10	**	**	**	**	**	**	**	**	40.00	44.00	**	**	10
11	**	**	**	**	**	**	**	**	42.00	40.00	**	**	11
12	**	**	**	**	**	**	**	**	44.00	32.00	**	**	12
13	**	**	**	**	**	**	**	**	46.00	28.00	**	**	13
14	**	**	**	**	**	**	**	**	46.00	28.00	**	**	14
15	**	**	**	**	**	**	**	**	46.00	28.00	**	**	15
16	**	**	**	**	**	**	**	**	46.00	49.00	**	**	16
17	**	**	**	**	**	**	**	**	46.00	49.00	**	**	17
18	**	**	**	**	**	**	**	**	46.00	49.00	**	**	18
19	**	**	**	**	**	**	**	**	46.00	49.00	**	**	19
20	**	**	**	**	**	**	**	6.00	47.00	48.00	**	19.00	20
21	**	**	**	**	**	**	**	6.00	47.00	46.00	**	18.00	21
22	**	**	**	**	**	**	**	6.00	47.00	44.00	**	18.00	22
23	**	**	**	**	**	**	**	6.00	48.00	2.00	**	17.00	23
24	**	**	**	**	**	**	**	6.00	48.00	2.00	**	17.00	24
25	**	**	**	**	**	**	**	6.00	49.00	**	**	17.00	25
26	**	**	**	**	**	**	**	6.00	50.00	**	**	16.00	26
27	**	**	**	**	**	**	**	6.00	51.00	**	**	16.00	27
28	**	**	**	**	**	**	**	6.00	52.00	**	**	16.00	28
29	**	**	**	**		**	**	6.00	53.00	**	**	15.00	29
30	**	**	**	**		**	**	6.00	54.00	**	**	14.00	30
31	**		**	**		**		6.00		**	**		31
TOTAL	**	**	**	**	**	**	**	72.00*	1272.30	1007.00*	**	183.00*	
MEAN	**	**	**	**	**	**	**	6.00*	42.41	41.96*	**	16.64*	
AC-FT	**	**	**	**	**	**	**	142.81*	2523.57	1997.35*	**	362.98*	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

Converse Ditch, West Fork New Fork River

Diversion Description: Diversion consists of two 8' wide concrete and plank drop gates.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 3, 34, 110

Conveyance Description: Open Channel Canal, approximately 11 miles long[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
08-09-1898	1928	Irrigation	622.00	8.88	8.88	POD/MOC change from a portion of Belknap & Noble Ditch.
11-05-1900	2898	Irrigation	320.00	4.57	13.45	POD/MOC change from a portion of Belknap & Noble Ditch.
10-31-1901	3519	Irrigation	720.00	10.26	23.71	
11-11-1903	5855	Irrigation			23.71	2,532.58 AF Secondary Supply from New Fork Lake Reservoir (480R) (1,822.00 acres served)
04-26-1906	1545E	Irrigation	80.00	1.14	24.85	

Storage Rights: New Fork Lake Reservoir.

Estimated Canal Losses: Greater than typical losses (50%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Approximately 100 acres alfalfa; remaining lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to Duck Creek south of Cora.[2]

Other Operational Information: The canal is typically turned on in late May and irrigation flows stop in late July. Stock flows continue until October.[1]

Sources: 1) Floyd Briggs, New Fork River Irrigation District, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Converse Ditch, West Fork New Fork River, 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			*43.99*	*2,617.79*	*32.26*	*1,983.47*	*0.03*	*1.86*	*0.54*	*32.39*
1985	*17.53*	*1,077.90*	*37.34*	*2,221.59*	*18.31*	*1,125.86*	*1.79*	*110.24*	*9.03*	*537.32*
1986			*55.54*	*3,304.88*	*44.89*	*2,760.28*	*0.00*	*0.00*	*4.20*	*250.06*
1987	*24.09*	*1,480.98*	*32.79*	*1,951.18*	*21.36*	*1,313.49*	*0.00*	*0.00*	*6.39*	*380.15*
1988										
1989										
1990										
1991										
1992										
1993										
1994	17.20	1,057.59	27.18	1,617.32	6.87	422.19				
1995			38.82	2,309.95	50.96	3,133.41				
1996										
1997										
1998										
Averages:	19.61	1,205.49	39.28	2,337.12	29.11	1,789.78	0.46	28.03	5.04	299.98

Data in italics from USGS gaging station 007122.00, see attached data sheets.
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.
Data for Belknap and Noble Ditch Included in Total.

Converse Ditch, West Fork New Fork River, Diversion Data

Data:
1993: 6/3, 65.00 cfs.
1994: 5/13, 25.00 cfs; 6/13, 35.00 cfs; 7/2, 10.20 cfs; 7/22, 10.00 cfs; 9/7, 6.00 cfs.
1995: 6/7, 25.0 cfs (est); 6/21, 58 cfs (est); 7/18, 59.9 cfs; 8/9, off.
1998: 6/9, 46.2 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Converse Ditch, West Fork New Fork River, Diversion Data

CONVERSE DITCH STATION NO. 007122.00
LATITUDE 42-54-35 LONGITUDE 109-58-42
SE1/4SE1/4 SECTION 3 TOWNSHIP 34 N,RANGE 110 W 6TH P.M.
ELEVATION 7317.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	50.90	41.50	0.06	0.01	1
2	**	**	**	**	**	**	**	**	52.00	41.20	0.06	0.01	2
3	**	**	**	**	**	**	**	**	52.40	41.50	0.06	0.01	3
4	**	**	**	**	**	**	**	**	43.30	49.80	0.06	0.01	4
5	**	**	**	**	**	**	**	**	41.90	51.20	0.06	0.01	5
6	**	**	**	**	**	**	**	**	50.50	46.90	0.04	0.01	6
7	**	**	**	**	**	**	**	**	48.30	43.70	0.04	0.01	7
8	**	**	**	**	**	**	**	**	45.80	41.90	0.04	0.01	8
9	**	**	**	**	**	**	**	**	44.70	38.70	0.04	0.01	9
10	**	**	**	**	**	**	**	**	46.50	37.70	0.04	0.01	10
11	**	**	**	**	**	**	**	**	50.20	39.80	0.04	0.01	11
12	**	**	**	**	**	**	**	**	44.70	38.70	0.04	0.01	12
13	**	**	**	**	**	**	**	**	41.50	39.80	0.04	0.01	13
14	**	**	**	**	**	**	**	**	38.70	37.70	0.04	0.01	14
15	**	**	**	**	**	**	**	**	35.60	32.90	0.04	0.01	15
16	**	**	**	**	**	**	**	**	45.80	32.90	0.02	0.01	16
17	**	**	**	**	**	**	**	**	46.50	34.60	0.02	0.01	17
18	**	**	**	**	**	**	**	**	45.10	38.40	0.02	0.01	18
19	**	**	**	**	**	**	**	**	39.40	45.40	0.02	0.01	19
20	**	**	**	**	**	**	**	**	39.10	36.30	0.02	0.01	20
21	**	**	**	**	**	**	**	15.88	39.10	37.00	0.02	0.01	21
22	**	**	**	**	**	**	**	13.50	40.50	41.20	0.02	0.01	22
23	**	**	**	**	**	**	**	10.97	40.50	43.00	0.02	0.01	23
24	**	**	**	**	**	**	**	8.70	41.90	28.60	0.01	0.01	24
25	**	**	**	**	**	**	**	9.64	44.40	24.20	0.01	0.01	25
26	**	**	**	**	**	**	**	8.70	44.00	15.10	0.01	0.01	26
27	**	**	**	**	**	**	**	22.20	43.00	0.06	0.01	0.01	27
28	**	**	**	**	**	**	**	17.60	40.10	0.06	0.01	1.00	28
29	**	**	**	**	**	**	**	16.30	40.10	0.06	0.01	7.53	29
30	**	**	**	**		**	**	47.60	43.30	0.06	0.01	7.53	30
31	**		**	**		**		50.20		0.06	0.01		31
TOTAL	**	**	**	**	**	**	**	221.29*	1319.80	1000.00	0.94	16.33	
MEAN	**	**	**	**	**	**	**	20.12*	43.99	32.26	0.03	0.54	
AC-FT	**	**	**	**	**	**	**	438.92*	2617.79	1983.47	1.86	32.39	

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SUBLETTE COUNTY DATA FROM WWRC (C)
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MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	7.25	**	**	**	**	**	**	**	48.89	7.28	0.38	5.11	1
2	5.44	**	**	**	**	**	**	**	70.91	6.77	0.38	6.53	2
3	6.70	**	**	**	**	**	**	**	49.37	11.40	0.38	8.05	3
4	8.11	**	**	**	**	**	**	**	49.37	31.44	0.38	8.85	4
5	8.11	**	**	**	**	**	**	**	46.51	35.66	0.38	8.85	5
6	8.11	**	**	**	**	**	**	**	38.29	37.40	0.38	9.12	6
7	7.53	**	**	**	**	**	**	**	36.97	36.53	0.29	9.12	7
8	8.11	**	**	**	**	**	**	**	36.53	35.66	0.07	9.40	8
9	9.32	**	**	**	**	**	**	**	37.84	39.62	0.13	9.96	9
10	9.97	**	**	**	**	**	**	28.18	37.40	38.29	0.13	9.96	10
11	10.30	**	**	**	**	**	**	27.39	37.40	42.79	0.13	9.96	11
12	12.40	**	**	**	**	**	**	18.47	38.73	41.88	0.21	11.11	12
13	12.80	**	**	**	**	**	**	20.23	20.23	39.17	0.21	9.12	13
14	13.10	**	**	**	**	**	**	19.88	37.84	36.53	0.13	10.24	14
15	9.64	**	**	**	**	**	**	17.44	39.62	29.79	0.21	10.53	15
16	14.70	**	**	**	**	**	**	17.10	40.97	28.18	0.48	9.40	16
17	13.50	**	**	**	**	**	**	17.10	41.88	27.79	0.82	9.12	17
18	14.70	**	**	**	**	**	**	14.16	40.52	14.16	1.35	9.12	18
19	15.90	**	**	**	**	**	**	13.84	36.53	9.68	1.81	10.24	19
20	13.90	**	**	**	**	**	**	17.10	35.23	7.28	2.31	8.31	20
21	13.90	**	**	**	**	**	**	18.47	31.02	6.28	2.84	8.05	21
22	13.50	**	**	**	**	**	**	19.17	28.58	1.67	2.84	9.12	22
23	13.10	**	**	**	**	**	**	15.77	28.58	0.21	2.84	9.68	23
24	9.01	**	**	**	**	**	**	11.11	31.44	0.13	2.84	9.12	24
25	7.82	**	**	**	**	**	**	20.95	46.98	0.29	3.03	8.85	25
26	7.82	**	**	**	**	**	**	25.82	44.64	0.29	3.62	8.85	26
27	9.97	**	**	**	**	**	**	28.99	39.62	0.29	6.04	8.85	27
28	**	**	**	**	**	**	**	28.18	28.18	0.29	6.28	9.12	28
29	**	**	**	**		**	**	29.79	11.40	0.29	4.24	8.85	29
30	**	**	**	**		**	**	69.28	8.58	0.29	5.34	8.31	30
31	**		**	**		**		65.02		0.29	5.11		31
TOTAL	284.71*	**	**	**	**	**	**	543.44*	1120.05	567.62	55.58	270.90	
MEAN	10.54*	**	**	**	**	**	**	24.70*	37.34	18.31	1.79	9.03	
AC-FT	564.71*	**	**	**	**	**	**	1077.90*	2221.59	1125.86	110.24	537.32	

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	8.05	7.02	**	**	**	**	**	**	33.78	74.80	0.00	0.00	1
2	7.79	7.28	**	**	**	**	**	**	36.29	76.96	0.00	0.00	2
3	7.53	7.28	**	**	**	**	**	**	29.74	74.27	0.00	0.00	3
4	7.53	**	**	**	**	**	**	**	29.34	72.67	0.00	0.00	4
5	7.28	**	**	**	**	**	**	**	58.81	67.94	0.00	0.00	5
6	7.28	**	**	**	**	**	**	**	30.53	67.94	0.00	0.00	6
7	8.05	**	**	**	**	**	**	**	79.13	68.46	0.00	0.00	7
8	8.05	**	**	**	**	**	**	**	75.88	74.27	0.00	0.00	8
9	8.05	**	**	**	**	**	**	**	63.83	72.67	0.00	0.00	9
10	8.85	**	**	**	**	**	**	**	44.15	74.27	0.00	0.00	10
11	7.79	**	**	**	**	**	**	**	45.05	70.56	0.00	0.00	11
12	7.79	**	**	**	**	**	**	**	75.88	66.91	0.00	0.00	12
13	7.53	**	**	**	**	**	**	**	74.80	66.39	0.00	0.00	13
14	7.53	**	**	**	**	**	**	**	72.14	65.88	0.00	0.00	14
15	7.53	**	**	**	**	**	**	**	64.34	70.56	0.00	0.00	15
16	7.53	**	**	**	**	**	**	**	56.84	62.31	0.00	0.00	16
17	7.53	**	**	**	**	**	**	**	51.54	59.81	0.00	0.00	17
18	7.53	**	**	**	**	**	**	**	48.26	56.84	0.00	3.38	18
19	7.53	**	**	**	**	**	**	**	41.91	37.99	0.00	8.41	19
20	7.28	**	**	**	**	**	**	**	38.42	17.35	0.00	8.41	20
21	7.28	**	**	**	**	**	**	**	74.80	16.36	0.00	8.68	21
22	7.53	**	**	**	**	**	**	11.44	74.27	20.06	0.00	8.68	22
23	8.31	**	**	**	**	**	**	9.75	67.94	22.18	0.00	8.94	23
24	8.05	**	**	**	**	**	**	8.94	59.31	19.72	0.00	10.59	24
25	8.05	**	**	**	**	**	**	10.87	58.81	6.65	0.00	10.59	25
26	7.79	**	**	**	**	**	**	10.31	59.31	4.39	0.00	11.16	26
27	7.79	**	**	**	**	**	**	10.31	56.84	2.46	0.00	11.44	27
28	7.53	**	**	**	**	**	**	8.68	57.83	0.94	0.00	12.03	28
29	6.77	**	**	**		**	**	6.90	54.90	0.03	0.00	11.73	29
30	6.28	**	**	**		**	**	6.90	51.54	0.00	0.00	12.03	30
31	7.28		**	**		**		32.55		0.00	0.00		31
TOTAL	236.69	21.58*	**	**	**	**	**	116.65*	1666.21	1391.64	0.00	126.07	
MEAN	7.64	7.19*	**	**	**	**	**	11.67*	55.54	44.89	0.00	4.20	
AC-FT	469.47	42.80*	**	**	**	**	**	231.37*	3304.88	2760.28	0.00	250.06	

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	12.62	5.03	**	**	**	**	**	**	25.29	26.42	0.00	0.00	1
2	13.22	5.48	**	**	**	**	**	**	26.04	23.44	0.00	0.00	2
3	11.44	5.03	**	**	**	**	**	**	28.73	14.01	0.00	0.00	3
4	10.59	4.81	**	**	**	**	**	**	26.80	7.79	0.00	3.90	4
5	10.03	**	**	**	**	**	**	**	27.57	6.44	0.00	7.79	5
6	9.75	**	**	**	**	**	**	**	27.57	5.53	0.00	7.79	6
7	9.75	**	**	**	**	**	**	**	29.91	21.64	0.00	7.79	7
8	9.75	**	**	**	**	**	**	**	32.32	33.96	0.00	7.79	8
9	9.75	**	**	**	**	**	**	**	40.79	35.21	0.00	7.79	9
10	10.03	**	**	**	**	**	**	**	49.44	54.69	0.00	7.79	10
11	10.59	**	**	**	**	**	**	**	42.12	46.19	0.00	8.15	11
12	10.59	**	**	**	**	**	**	11.83	41.68	39.92	0.00	8.15	12
13	10.59	**	**	**	**	**	**	27.57	39.92	36.48	0.00	8.52	13
14	10.87	**	**	**	**	**	**	29.12	38.16	34.38	0.00	8.52	14
15	10.87	**	**	**	**	**	**	29.12	36.90	37.33	0.00	8.15	15
16	10.87	**	**	**	**	**	**	34.38	16.54	41.24	0.00	8.90	16
17	10.87	**	**	**	**	**	**	37.33	10.94	48.97	0.00	9.09	17
18	11.16	**	**	**	**	**	**	45.27	10.94	37.33	0.00	8.52	18
19	12.92	**	**	**	**	**	**	45.27	36.48	27.95	0.00	7.44	19
20	11.16	**	**	**	**	**	**	39.48	41.68	14.32	0.00	7.44	20
21	7.14	**	**	**	**	**	**	48.50	41.68	19.89	0.00	7.27	21
22	6.41	**	**	**	**	**	**	55.18	41.68	22.71	0.00	7.27	22
23	5.94	**	**	**	**	**	**	44.82	42.52	8.52	0.00	6.44	23
24	5.94	**	**	**	**	**	**	41.68	41.68	4.45	0.00	5.25	24
25	5.71	**	**	**	**	**	**	39.48	39.48	7.10	0.00	6.13	25
26	5.71	**	**	**	**	**	**	41.68	37.33	5.83	0.00	6.44	26
27	5.71	**	**	**	**	**	**	44.82	29.12	0.12	0.00	4.97	27
28	5.48	**	**	**	**	**	**	42.12	25.66	0.12	0.00	4.97	28
29	7.64	**	**	**		**	**	32.32	27.18	0.12	0.00	4.70	29
30	10.03	**	**	**		**	**	29.12	27.57	0.12	0.00	4.70	30
31	7.39		**	**		**		27.57		0.00	0.00		31
TOTAL	290.52	20.35*	**	**	**	**	**	746.66*	983.72	662.22	0.00	191.66	
MEAN	9.37	5.09*	**	**	**	**	**	37.33*	32.79	21.36	0.00	6.39	
AC-FT	576.24	40.36*	**	**	**	**	**	1480.98*	1951.18	1313.49	0.00	380.15	

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	4.70	7.10	**	**	**	**	**	**	**	**	**	**	1
2	4.45	**	**	**	**	**	**	**	**	**	**	**	2
3	4.19	**	**	**	**	**	**	**	**	**	**	**	3
4	5.53	**	**	**	**	**	**	**	**	**	**	**	4
5	10.94	**	**	**	**	**	**	**	**	**	**	**	5
6	8.15	**	**	**	**	**	**	**	**	**	**	**	6
7	8.90	**	**	**	**	**	**	**	**	**	**	**	7
8	8.52	**	**	**	**	**	**	**	**	**	**	**	8
9	9.68	**	**	**	**	**	**	**	**	**	**	**	9
10	11.38	**	**	**	**	**	**	**	**	**	**	**	10
11	11.83	**	**	**	**	**	**	**	**	**	**	**	11
12	10.26	**	**	**	**	**	**	**	**	**	**	**	12
13	10.51	**	**	**	**	**	**	**	**	**	**	**	13
14	10.94	**	**	**	**	**	**	**	**	**	**	**	14
15	10.94	**	**	**	**	**	**	**	**	**	**	**	15
16	10.94	**	**	**	**	**	**	**	**	**	**	**	16
17	10.94	**	**	**	**	**	**	**	**	**	**	**	17
18	10.94	**	**	**	**	**	**	**	**	**	**	**	18
19	10.94	**	**	**	**	**	**	**	**	**	**	**	19
20	10.94	**	**	**	**	**	**	**	**	**	**	**	20
21	11.38	**	**	**	**	**	**	**	**	**	**	**	21
22	11.38	**	**	**	**	**	**	**	**	**	**	**	22
23	10.09	**	**	**	**	**	**	**	**	**	**	**	23
24	10.09	**	**	**	**	**	**	**	**	**	**	**	24
25	10.09	**	**	**	**	**	**	**	**	**	**	**	25
26	9.68	**	**	**	**	**	**	**	**	**	**	**	26
27	9.68	**	**	**	**	**	**	**	**	**	**	**	27
28	9.68	**	**	**	**	**	**	**	**	**	**	**	28
29	9.68	**	**	**	**	**	**	**	**	**	**	**	29
30	8.52	**	**	**		**	**	**	**	**	**	**	30
31	7.44		**	**		**		**		**	**		31
TOTAL	293.33	7.10*	**	**	**	**	**	**	**	**	**	**	
MEAN	9.46	7.10*	**	**	**	**	**	**	**	**	**	**	
AC-FT	581.81	14.08*	**	**	**	**	**	**	**	**	**	**	

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E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

East Fork Canal, East Fork New Fork River

Diversion Description: Diversion consists of a single 3' by 3' slide gate mounted on a concrete structure.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 10, 31, 106

Conveyance Description: Open Channel Canal, approximately 8 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
07-24-1905	6803	Irrigation	720.00	10.27	10.27	Formerly Lake Ditch
08-23-1906	7356	Irrigation	1,026.00	14.63	24.90	
01-21-1911	2397E	Irrigation	84.00	1.20	26.10	

Storage Rights: None.

Estimated Canal Losses: Due to the high content of gravel, sand, and boulders in the soil in the upper reaches of the ditch, greater than typical losses (40%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Approximately 50% of the return flows are delivered to Muddy Creek, and 50% to East Fork New Fork River.[1]

Other Operational Information: The canal is typically turned on the first of May and off in mid-July.[1]

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

East Fork Canal, East Fork New Fork River, 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			23.49	1,397.75	20.30	1,207.93				
1981	13.94	857.14	18.00	1,071.07						
1982	10.64	654.23	27.18	1,617.32	18.18	1,081.79	10.00	614.88	10.00	595.04
1983	4.43	272.39	18.12	1,078.21	18.44	1,097.26				
1984			23.45	1,395.37	15.45	919.34				
1985					0.65	38.68	0.65	38.68	1.83	108.89
1986										
1987										
1988			14.35	853.88						
1989	20.60	1,266.64	23.63	1,406.08	19.35	1,151.40				
1990										
1991			26.43	1,572.69						
1992	30.11	1,851.39	25.40	1,511.40						
1993										
1994	33.11	2,035.85	32.85	1,954.71	21.83	1,298.98	3.90	232.07		
1995	12.89	792.58	32.69	1,945.19	34.55	2,055.87	17.58	1,046.08	5.25	312.40
1996										
1997										
1998										
Averages:	17.97	1,104.32	24.14	1,436.70	18.59	1,106.41	8.03	482.93	5.69	338.78

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.

East Fork Canal, East Fork New Fork River, Diversion Data

Data:

1980: 5/18, on; 5/21, 19 cfs; 5/29, 20 cfs; 6/3, 21 cfs; 6/11, 23 cfs; 6/23, 25 cfs; 6/30, 26 cfs; 7/9, 26 cfs; 7/15, 23 cfs; 7/22, 15 cfs; 7/28, 12 cfs; 8/8, 8 cfs; 8/12, 7 cfs; 8/13, off.
1981: 4/24, off; 5/8, 7.5 cfs; 5/14, 14 cfs; 6/10, 27 cfs; 6/17, 24 cfs; 6/25, 22 cfs; 7/11, off.
1982: 5/14, off; 5/24, 20 cfs; 6/3, 24 cfs; 6/18, 26 cfs; 6/23, 33 cfs; 7/2, 30 cfs; 7/8, 30 cfs; 7/16, 26 cfs; 7/19, off; 8/27, 10 cfs; 8/30, 10 cfs; 10/5, off.
1983: 5/24, on, 10 cfs; 5/26, 20 cfs; 6/7, 27 cfs, 6/17, 26 cfs; 6/24, 26 cfs; 7/6, 29 cfs; 7/12, 26 cfs; 7/19, 16 cfs; 7/27, off; 9/12, 13 cfs.
1984: 5/18, off; 6/1, 26 cfs; 6/9, 20 cfs; 6/12, 21 cfs; 6/29, 27 cfs; 7/6, 29 cfs; 7/16, 15 cfs; 7/23, off; 9/25, off.
1985: 7/6, 20 cfs; 7/7, off; 7/31, off; 9/5, 1.5 cfs (est); 9/25, 5.0 cfs (est).
1986: 6/26, 31.1 cfs; 9/9, 3 cfs (est).
1987: 5/14, 28.6 cfs; 7/14, off; 8/31, 3 cfs.
1988: 4/12, 0 cfs; 5/25, 0 cfs; 6/26, 19.5 cfs; 7/1, 9.2 cfs.
1989: 4/14, 0 cfs; 4/21, 20 cfs; 5/3, 20 cfs; 5/13, 20 cfs; 6/26, 25 cfs; 7/13, 20 cfs; 8/3, 0.
1990: 5/23, 27.4 cfs; 7/11, 15.0 cfs (est).
1991: 6/4, 30.33 cfs; 7/11, 28.0 cfs.
1992: 5/6, 40.00 cfs; 5/29, 35.00 cfs; 6/8, 40.00 cfs; 6/9, 24.00 cfs; 6/10, 24.00 cfs; 6/11, 20.00 cfs; 7/10, 20.00 cfs.
1993: 4/29, off; 5/3, 4.00 cfs; 6/18, 48.30 cfs; 7/27, off; 9/2, off.
1994: 5/3, 15.00 cfs; 5/23, 50.00 cfs; 6/19, 30.20 cfs; 6/20, 25.2 cfs; 7/18, 25.00 cfs; 8/4, 5.00 cfs; 9/15, off.
1995: 4/10, off; 4/18, off; 4/26, off; 5/24, 18.8 cfs; 6/26, 41.0 cfs; 7/6, 42 cfs; 7/7, 40 cfs (est.); 8/16, 15 cfs (est); 8/30, 15 cfs (est); 9/21, off.
1996: 5/4, 9.5 cfs (est); 6/26, 33.0 cfs (arrive), 1.42 cfs (depart); 9/21, 19.0 cfs (est).
1997: 5/27, 24 cfs (est).

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Diversi

Diversi

Source: Fall Creek, Trib. Pole Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River

Section, Township, Range: 2, 33, 108

Conveyance Description: Open Channel Canal, approximately 8 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
06-22-1906	7496	Irrigation	1,607.00	22.95	22.95	
08-11-1952	5637E	Irrigation, Stock	522.00	7.45	30.40	

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 West Fork new Fork River at Pole Creek.[2]

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

Fayette Canal, Fall Creek

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					6.15	378.07				
1989										
1990										
1991			18.67	1,107.26						
1992										
1993			28.50	1,695.65	20.29	1,247.58	10.99	675.75	4.69	279.07
1994	25.00	1,537.19	42.06	2,502.74	29.41	1,808.35	6.11	375.69	4.20	249.92
1995	7.65	470.38	29.80	1,773.22	24.68	1,517.51	25.45	1,564.86	12.05	717.02
1996					20.00	1,229.75				
1997							17.12	1,052.46		
1998										
Averages:	16.33	1,003.79	29.76	1,769.72	20.11	1,236.25	14.92	917.19	6.98	415.34

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.

Fayette Canal, Fall Creek

Data:

1987: 7/14, 46.8 cfs; 9/8, 6 cfs.
1988: 5/13, 13 cfs; 6/26, 22 cfs; 7/5, 9 cfs; 8/5, 0.5 cfs.
1991: 5/19, 13.08 cfs; 6/19, 38.35 cfs.
1992: 4/8, 0.00 cfs; 6/3, 21.00 cfs; 9/3, 2.00 cfs.
1993: 5/19, 22.60 cfs; 6/21, 31.60 cfs; 7/8, 19.60 cfs; 7/30, 20.00 cfs; 8/25, 6.30 cfs; 9/1, 4.50 cfs; 9/20, 10.30 cfs.
1994: 5/12, 25.00 cfs; 5/26, 45.50 cfs; 6/1, 48.30 cfs; 6/7, 50.00 cfs; 6/14, 45.00 cfs; 6/22, 35.60 cfs; 7/25, 28.80 cfs; 8/5, 10.60 cfs; 8/23, off; 8/30, 7.00 cfs; 9/6, 7.00 cfs; 9/19, 7.00 cfs.
1995: 4/6, 4/17, 5/4, off; 5/10, 6.5 cfs (est); 5/31, 12.8 cfs; 6/5, 21.8 cfs; 6/27, 38.8 cfs; 8/3, 12.0 cfs; 9/14, off.
1996: 5/1, 5/13, off; 7/1, 38 cfs (est); 8/1, 2.0 cfs (est).
1997: 7/22, 42.1 cfs; 8/19, 23.5 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Fremont Ditch, Pine Creek

Diversion Description: Diversion consists of a single 4' by 4' slide gate. The headgate is attached to the Fremont Lake Dam.[1]

Diversion Location:

Source: Pine Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River

Section, Township, Range: 23-34-109

Conveyance Description: Open Channel Canal, approximately 6 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
03-02-1954	21373	Irrigation, Stock	474.00	6.77	6.77	
05-25-1971	6388E	Irrigation	45.00	0.64	7.41	

Storage Rights: None.

Estimated Canal Losses: Losses are minor.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River at Willow Creek.[2]

Other Operational Information: The canal is initially turned on the first of May for stock water use. By approximately the first of June the canal experiences its highest flows. Typically, the canal is turned off by the first of October.[1]

Sources: 1) Ken Shriver, Fremont Ditch Company, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Fremont Ditch, Pine Creek, 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	*4.29*	263.78	*16.46*	979.44	*13.97*	858.98	*0.45*	27.67	*0.19*	11.31
1986	*3.36*	206.60	*21.54*	1,281.72	*23.77*	1,461.56	*1.02*	62.72	*0.74*	44.03
1987										
1988	*6.13*	376.92	*23.53*	1,400.13	*14.35*	882.35	*5.41*	332.65	*6.82*	405.82
1989	*11.84*	728.01	*27.17*	1,616.73	*21.33*	1,311.53	*2.79*	171.55	*9.38*	558.15
1990	*13.55*	833.16	*20.60*	1,225.79	*21.41*	1,316.45	*3.32*	204.14	*2.82*	167.80
1991	*6.99*	429.80	*18.17*	1,081.19	*19.68*	1,210.08	*2.36*	145.11	*1.88*	111.87
1992	*10.34*	635.78	*20.37*	1,212.10	*16.90*	1,039.14	*1.86*	114.37	*0.41*	24.40
1993	*4.95*	304.36	*20.20*	1,201.98	*30.13*	1,852.62	*6.78*	416.89	*2.48*	147.57
1994	*5.38*	330.80	*29.09*	1,730.98	*22.00*	1,352.73	*6.53*	401.51	*3.80*	226.12
1995	*4.13*	253.94	*24.45*	1,454.88	*35.03*	2,153.91	*11.25*	691.74	*4.36*	259.44
1996	6.67	410.12	25.97	1,545.32	28.65	1,761.62	5.18	318.51	2.73	162.45
1997	3.07	188.77	19.52	1,161.52	23.68	1,456.03	14.90	916.17	8.81	524.23
1998					10.79	663.45	5.43	333.88	1.64	97.59
Averages:	6.73	413.50	22.26	1,324.31	21.67	1,332.34	5.18	318.22	3.54	210.83

Figures in italics are computed by USGS from USGS gaging station #09196940 (Fremont Ditch near Pinedale, WY) records.
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.

Fremont Ditch, Pine Creek, Diversion Data

Data:

1996: 5/10, off; 5/11, 3.0 cfs (est); 6/11, 23 cfs (est); 6/15, 31 cfs (est); 6/17, 30.0 cfs (est); 6/24, 28 cfs (est); 6/25, 30.1 cfs; 7/1, 30 cfs; 7/3, 32 cfs (est); 7/8, 35.0 cfs (est); 7/23, 26 cfs (est); 7/25, 32 cfs (est); 7/29, 20 cfs (est); 8/1, 20 cfs (est); 8/6, 4.5 cfs (est); 8/13, 4.5 cfs (est); 8/19, 2.5 cfs (est); 8/26, 4.0 cfs (est); 8/30, 4.0 cfs (est); 9/4, 4.0 cfs (est); 9/12, 4.5 cfs (est); 9/16, 2.5 cfs (est); 9/24, 3.0 cfs (est).

1997: 5/12, 5.0 cfs (est); 6/2, 4.5 cfs (est); 6/12, 23 cfs (est); 7/7, 23.9 cfs; 7/15, 24.5 cfs; 7/19, 24.5 cfs; 7/24, 24.5 cfs; 7/29, 23.9 cfs; 7/30, 18 cfs (est); 8/7, 15.4 cfs; 8/12, 15.4 cfs; 8/18, 14 cfs; 8/25, 15.4 cfs; 9/4, 10.4 cfs; 9/10, 10.5 cfs; 9/23, 10.0 cfs; 9/30, off.

1998: 7/6, 25 cfs (est); 7/9, 25 cfs (est); 7/29, 0.5 cfs (est); 8/7, 6.17 cfs; 8/13, 6.17 cfs; 8/19, 5.75 cfs; 8/27, 5.7 cfs (est); 9/3, 3.3 cfs; 9/9, 3.3 cfs; 9/16, 3.2 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Gilligan & Iven Ditch, East Fork New Fork River

Diversion Description: Diversion consists of a single 40" by 40" slide gate mounted on a concrete structure.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 9, 31, 106

Conveyance Description: Open Channel Canal, approximately 2½ miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
10-08-1897	1622	Irrigation	630.00	9.00	9.00	
12-11-1903	1137E	Domestic, Irrigation, Stock	320.00	4.57	13.57	

Storage Rights: None.

Estimated Canal Losses: Slightly greater than typical losses (20%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to Cottonwood Creek above East Fork River.[2]

Other Operational Information: The canal is typically turned on the first of May and off in mid-July.[1]

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Gilligan & Iven Ditch, East Fork New Fork River, 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)
1975	*5.52*	*339.93*	*18.75*	*1,115.70*	*19.58*	*1,203.87*	*5.51*	*338.50*	*4.18*	*248.73*
1976	*4.81*	*295.93*	*19.44*	*1,156.56*	*16.56*	*1,018.31*				
1978	*7.35*	*452.23*	*18.50*	*1,100.83*	*15.81*	*971.90*				
1980	7.48	459.93	10.60	630.74	9.36	575.52	7.99	491.29	5.39	320.73
1981	13.88	853.45	22.19	1,320.40	9.15	562.61	5.20	319.74	2.22	132.10
1982			22.92	1,363.83	16.44	1,010.86	3.95	242.88	5.73	340.96
1983			8.33	495.67	5.95	365.85	8.58	527.56		
1984			14.76	878.28	10.38	638.24				
1985										
1986										
1987										
1988	6.67	410.12	10.69	636.10						
1989	15.56	956.75	12.58	748.56	4.62	284.07				
1990										
1991										
1992			13.30	791.40						
1993	12.20	750.35								
1994	22.39	1,376.71	17.73	1,055.01	11.51	707.72	2.23	137.12		
1995	9.58	589.05	19.12	1,137.72	20.37	1,252.50	4.73	290.84	1.09	64.86
1996										
1997										
1998										
Averages:	10.54	648.45	16.07	956.22	12.70	781.04	5.46	335.42	3.72	221.48

Data in italics from USGS gaging station 006110.00, see attached data sheets.
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.

Gilligan & Iven Ditch, East Fork New Fork River, Diversion Data

Data:

1980: 5/6, 5 cfs; 5/13, 9 cfs; 5/20, 8 cfs; 5/21, 11 cfs; 5/29, 10 cfs; 6/3, 10 cfs; 6/10, 13 cfs; 6/18, 10 cfs; 6/23, 10 cfs; 6/30, 9 cfs; 7/9, 8 cfs; 7/15, 6 cfs; 7/22, 7 cfs; 7/24, 16 cfs; 7/28, 12 cfs; 8/1, 16 cfs; 8/8, 6 cfs; 8/12, 5 cfs; 8/21, 8 cfs; 9/22, 5 cfs; 9/30, 4 cfs.
1981: 4/24, 5 cfs; 5/8, 13 cfs; 5/14, 8 cfs; 5/28, 21 cfs; 6/4, 24 cfs; 6/9, 25 cfs; 6/17, 21 cfs; 6/25, 22 cfs; 7/7, 12 cfs; 7/15, 8 cfs; 7/20, 7 cfs; 8/4, 6 cfs; 8/13, 5 cfs; 8/27, 5 cfs; 10/2, off.
1982:5/24, 21 cfs; 6/2, 21 cfs; 6/9, 21 cfs; 6/18, 27 cfs; 6/22, 26 cfs; 7/2, 17 cfs; 7/8, 22 cfs; 7/16, 23 cfs; 7/23, 13 cfs; 8/3, off; 8/27, 7 cfs; 9/22, 9 cfs.
1983: 5/26, 11 cfs; 6/1, 15 cfs; 6/7, 18 cfs; 6/17, 17 cfs; 6/24, 17 cfs; 7/6, 13 cfs; 7/12, 12 cfs; 7/19, 7 cfs; 7/27, off; 8/22, 12 cfs; 9/12, off.
1984: 5/18, 6 cfs; 5/22, 5 cfs; 6/1, 17 cfs; 6/9, 13 cfs; 6/12, 13 cfs; 6/14, 14 cfs; 6/29, 16 cfs; 7/6, 15 cfs; 7/11, 13 cfs; 7/16, 10 cfs; 7/19, 12 cfs; 7/23, 11 cfs; 7/30, off.
1985: 7/7, 13.3 cfs. (Ditch washed out.)
1986: 6/19, 10.0 cfs; 7/9, 12.8 cfs; 9/9, 8.1 cfs.
1987: 5/14, 27.7 cfs; 7/14, off.
1988: 4/12, 5 cfs; 5/25, 7 cfs; 6/18, 10 cfs; 6/26, 13.9 cfs; 6/27, 16.6 cfs; 7/1, 12.4 cfs.
1989: 4/14, 0 cfs; 4/21, 4.5 cfs; 5/3, 6 cfs; 5/13, 20 cfs; 6/28, 10 cfs; 7/13, 4 cfs; 8/1, 3 cfs.
1990: 6/18, 20.0 cfs (est); 7/11, 10.0 cfs (est).
1992: 5/29, 15.00 cfs; 6/8, 15.00 cfs; 6/10, 13.00 cfs; 6/11, 13.00 cfs; 7/10, 12.00 cfs.
1993: 4/29, 6.00 cfs; 5/3, 4.00 cfs; 6/14, 29.3 cfs; 7/27, 9/2, off.
1994: 5/3, 12.00 cfs; 5/23, 31.50 cfs; 6/19, 15.30 cfs; 6/20, 13.00 cfs; 7/18, 14.00 cfs; 8/4, 1.50 cfs; 9/3, 3.00 cfs.
1995: 4/10, off ; 4/18, 2.0 cfs (est); 4/26, 3.0 cfs (est); 5/24, 12.0 cfs; 6/26, 22.3 cfs; 7/6, 24 efs (est); 7/17, 22 cfs; 8/16, 3.5 cfs; 8/30, off; 9/21, 3.0 cfs.
1996: 5/4, 3.0 cfs; 6/26, 28 cfs (est).
1997: 7/15, 8.3 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Gilligan & Iven Ditch, East Fork New Fork River, Diversion Data

GILLIGAN IVAN DITCH STATION NO. 006110.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	15.00	22.25	16.50	4.50	1
2	**	**	**	**	**	**	**	**	16.00	22.25	16.00	5.00	2
3	**	**	**	**	**	**	**	**	17.00	22.25	15.00	6.00	3
4	**	**	**	**	**	**	**	**	18.70	22.50	5.00	6.25	4
5	**	**	**	**	**	**	**	**	19.00	22.50	5.00	6.00	5
6	**	**	**	**	**	**	**	**	20.00	22.50	5.00	5.00	6
7	**	**	**	**	**	**	**	**	19.00	22.75	4.48	4.00	7
8	**	**	**	**	**	**	**	**	18.00	22.75	4.48	3.00	8
9	**	**	**	**	**	**	**	**	18.00	22.75	4.48	2.00	9
10	**	**	**	**	**	**	**	**	17.00	22.75	4.48	2.00	10
11	**	**	**	**	**	**	**	**	17.50	22.50	4.48	2.00	11
12	**	**	**	**	**	**	**	**	17.00	22.00	4.48	2.00	12
13	**	**	**	**	**	**	**	6.38	18.00	21.00	4.48	3.00	13
14	**	**	**	**	**	**	**	6.50	20.00	20.50	4.48	3.00	14
15	**	**	**	**	**	**	**	6.50	22.00	20.00	4.48	3.40	15
16	**	**	**	**	**	**	**	7.00	22.00	19.50	4.24	3.50	16
17	**	**	**	**	**	**	**	7.00	24.00	19.00	4.24	3.50	17
18	**	**	**	**	**	**	**	7.00	24.25	18.50	4.24	3.50	18
19	**	**	**	**	**	**	**	7.00	18.00	18.00	4.24	4.00	19
20	**	**	**	**	**	**	**	7.00	16.30	17.50	4.24	4.50	20
21	**	**	**	**	**	**	**	8.00	15.00	17.00	4.24	4.50	21
22	**	**	**	**	**	**	**	8.00	15.00	17.00	4.24	4.50	22
23	**	**	**	**	**	**	**	9.00	17.00	17.00	4.24	5.00	23
24	**	**	**	**	**	**	**	9.00	19.00	16.70	4.24	5.00	24
25	**	**	**	**	**	**	**	10.00	22.75	16.50	4.24	5.25	25
26	**	**	**	**	**	**	**	10.00	17.50	16.50	4.24	5.00	26
27	**	**	**	**	**	**	**	11.00	17.50	16.50	4.24	5.00	27
28	**	**	**	**	**	**	**	12.00	19.00	16.50	4.24	5.00	28
29	**	**	**	**		**	**	13.00	21.00	16.50	4.24	5.00	29
30	**	**	**	**		**	**	13.00	22.00	16.50	4.24	5.00	30
31	**		**	**		**		14.00		16.50	4.24		31
TOTAL	**	**	**	**	**	**	**	171.38*	562.50	606.95	170.66	125.40	
MEAN	**	**	**	**	**	**	**	9.02*	18.75	19.58	5.51	4.18	
AC-FT	**	**	**	**	**	**	**	339.93*	1115.70	1203.87	338.50	248.73	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Gilligan & Iven Ditch, East Fork New Fork River, Diversion Data

GILLIGAN IVAN DITCH STATION NO. 006110.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	15.00	23.20	10.00	**	1
2	**	**	**	**	**	**	**	**	16.00	23.00	9.00	**	2
3	**	**	**	**	**	**	**	**	17.50	23.00	7.00	**	3
4	**	**	**	**	**	**	**	**	18.00	23.00	5.00	**	4
5	**	**	**	**	**	**	**	1.50	18.00	23.00	**	**	5
6	**	**	**	**	**	**	**	1.00	18.00	22.00	**	**	6
7	**	**	**	**	**	**	**	1.00	19.00	21.70	**	**	7
8	**	**	**	**	**	**	**	1.00	19.00	21.00	**	**	8
9	**	**	**	**	**	**	**	1.00	19.00	21.00	**	**	9
10	**	**	**	**	**	**	**	1.00	19.50	20.00	**	**	10
11	**	**	**	**	**	**	**	**	20.00	20.00	**	**	11
12	**	**	**	**	**	**	**	**	21.00	19.90	**	**	12
13	**	**	**	**	**	**	**	**	22.00	18.00	**	**	13
14	**	**	**	**	**	**	**	**	18.00	17.00	**	**	14
15	**	**	**	**	**	**	**	6.00	18.00	15.50	**	**	15
16	**	**	**	**	**	**	**	6.00	18.00	14.00	**	**	16
17	**	**	**	**	**	**	**	6.00	18.70	12.00	4.00	**	17
18	**	**	**	**	**	**	**	6.00	19.00	10.00	4.00	**	18
19	**	**	**	**	**	**	**	6.00	19.00	9.60	4.00	**	19
20	**	**	**	**	**	**	**	6.50	19.00	8.00	4.00	**	20
21	**	**	**	**	**	**	**	7.00	19.00	8.00	5.00	**	21
22	**	**	**	**	**	**	**	7.00	20.00	8.00	5.00	**	22
23	**	**	**	**	**	**	**	8.00	20.00	15.00	5.20	**	23
24	**	**	**	**	**	**	**	8.00	20.40	15.00	5.00	**	24
25	**	**	**	**	**	**	**	9.00	21.00	15.00	5.00	**	25
26	**	**	**	**	**	**	**	9.00	21.00	15.00	**	**	26
27	**	**	**	**	**	**	**	10.20	22.00	15.00	**	**	27
28	**	**	**	**	**	**	**	10.00	22.00	15.50	**	**	28
29	**	**	**	**	**	**	**	11.00	23.00	15.00	**	**	29
30	**	**	**	**		**	**	12.00	23.00	14.00	**	**	30
31	**		**	**		**		15.00		13.00	**		31
TOTAL	**	**	**	**	**	**	**	149.20*	583.10	513.40	72.20*	**	
MEAN	**	**	**	**	**	**	**	6.49*	19.44	16.56	5.55*	**	
AC-FT	**	**	**	**	**	**	**	295.93*	1156.56	1018.31	143.21*	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Gilligan & Iven Ditch, East Fork New Fork River, Diversion Data

GILLIGAN IVAN DITCH STATION NO. 006110.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	13.00	20.00	2.00	**	1
2	**	**	**	**	**	**	**	**	12.00	20.00	1.00	**	2
3	**	**	**	**	**	**	**	**	13.00	20.00	1.00	**	3
4	**	**	**	**	**	**	**	**	14.00	20.00	1.00	**	4
5	**	**	**	**	**	**	**	**	15.00	21.00	2.00	**	5
6	**	**	**	**	**	**	**	**	18.00	21.00	2.00	**	6
7	**	**	**	**	**	**	**	**	22.00	20.00	2.00	**	7
8	**	**	**	**	**	**	**	**	22.00	20.00	2.00	**	8
9	**	**	**	**	**	**	**	**	22.00	21.00	2.00	**	9
10	**	**	**	**	**	**	**	5.00	22.00	21.00	2.00	**	10
11	**	**	**	**	**	**	**	5.00	18.00	21.00	2.00	3.00	11
12	**	**	**	**	**	**	**	5.00	14.00	21.00	2.00	**	12
13	**	**	**	**	**	**	**	5.00	12.00	21.00	2.00	**	13
14	**	**	**	**	**	**	**	5.00	12.00	20.00	2.00	**	14
15	**	**	**	**	**	**	**	6.00	20.00	19.00	**	**	15
16	**	**	**	**	**	**	**	7.00	20.00	18.00	**	**	16
17	**	**	**	**	**	**	**	8.00	20.00	17.00	**	**	17
18	**	**	**	**	**	**	**	9.00	20.00	16.00	**	**	18
19	**	**	**	**	**	**	**	10.00	20.00	13.00	**	**	19
20	**	**	**	**	**	**	**	10.00	20.00	10.00	**	**	20
21	**	**	**	**	**	**	**	10.00	22.00	10.00	**	**	21
22	**	**	**	**	**	**	**	10.00	22.00	16.00	**	**	22
23	**	**	**	**	**	**	**	12.00	22.00	16.00	**	**	23
24	**	**	**	**	**	**	**	14.00	21.00	16.00	**	**	24
25	**	**	**	**	**	**	**	14.00	21.00	16.00	**	**	25
26	**	**	**	**	**	**	**	15.00	20.00	16.00	**	**	26
27	**	**	**	**	**	**	**	16.00	20.00	4.00	**	**	27
28	**	**	**	**	**	**	**	17.00	19.00	4.00	**	**	28
29	**	**	**	**		**	**	16.00	19.00	4.00	**	**	29
30	**	**	**	**		**	**	15.00	20.00	4.00	**	**	30
31	**		**	**		**		14.00		4.00	**		31
TOTAL	**	**	**	**	**	**	**	228.00*	555.00	490.00	25.00*	3.00*	
MEAN	**	**	**	**	**	**	**	10.36*	18.50	15.81	1.79*	3.00*	
AC-FT	**	**	**	**	**	**	**	452.23*	1100.83	971.90	49.59*	5.95*	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

Harry Rahm Ditch, West Fork New Fork River

Diversion Description: Diversion consists of a single 5' wide wood slide gate. A wood plank diversion dam exists.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 3, 34, 110

Conveyance Description: Open Channel Canal, approximately ¾ mile long[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
07-23-1896	1281	Irrigation	171.00	2.44	2.44	POD/MOC change from a portion of W.F. Irrigation Ditch.
07-13-1899	2175	Irrigation	240.00	3.42	5.86	POD/MOC change from a portion of Ulrica Ditch.
07-12-1902	4042	Irrigation	440.00	6.29	12.15	POD/MOC change from McKinley Ditch.
11-11-1903	5855	Irrigation			12.15	POD/MOC change from a portion of Ulrica Ditch. 333.60 AF Secondary Supply from New Fork Lake Reservoir (480R) (240.00 acres served)
11-11-1903	5855	Irrigation			12.15	POD/MOC change from a portion of W.F. Irrigation Ditch. 208.50 AF Secondary Supply from New Fork Lake Reservoir (480R) (150.00 acres served)
11-11-1903	5855	Irrigation			12.15	POD/MOC change from McKinley Ditch. 601.10 AF Secondary Supply from New Fork Lake Reservoir (480R) (432.45 acres served)

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

Harry Rahm Ditch, West Fork New Fork River

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
11-11-1903	4866E	Irrigation			12.15	POD/MOC change from a portion of Ulrica Ditch. 55.60 AF Secondary Supply from New Fork Lake Reservoir (480R) (40.00 acres served)
11-28-1914	12843	Irrigation	40.00	0.57	12.72	POD/MOC change from Channel Ditch.

Storage Rights: New Fork Lake Reservoir.

Estimated Canal Losses: Typical losses (10%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River at Willow Creek.[2]

Other Operational Information: The canal is typically turned on in late May and irrigation flows stop in late July. Stock flows continue until October.[1]

Sources: 1) Floyd Briggs, New Fork River Irrigation District, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Harry Rahm Ditch, West Fork New Fork River, 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			*14.13*	*841.09*	*5.63*	*345.90*	*0.00*	*0.00*	*3.30*	*196.46*
1985			*8.16*	*485.81*	*3.29*	*202.04*	*1.28*	*78.82*	*3.11*	*185.22*
1986			*16.39*	*975.17*	*14.20*	*873.34*	*0.37*	*22.51*	*1.51*	*89.77*
1987	*4.97*	*305.34*	*5.87*	*349.39*	*3.01*	*185.04*	*1.18*	*72.69*	*2.80*	*166.61*
1988										
1989										
1990										
1991										
1992										
1993										
1994					13.88	853.45				
1995										
1996										
1997										
1998										
Averages:	4.97	305.34	11.14	662.87	7.12	437.50	0.71	43.51	2.68	159.52

Data in italics from USGS gaging station 007113.00, see attached data sheets.
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.
Data for Ulrica Ditch Included in Total.

Harry Rahm Ditch, West Fork New Fork River, Diversion Data

Data:
1994: 7/2, 14.30 cfs; 7/22, 15.00 cfs; 9/7, 3.00 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Harry Rahm Ditch, West Fork New Fork River, Diversion Data

HARRY RAHM DITCH STATION NO. 007113.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NW1/4SW1/4 SECTION 25 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7360.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570800
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	12.90	14.00	0.00	0.00	1
2	**	**	**	**	**	**	**	**	12.90	3.92	0.00	0.00	2
3	**	**	**	**	**	**	**	**	12.90	4.21	0.00	0.00	3
4	**	**	**	**	**	**	**	**	9.35	10.70	0.00	0.58	4
5	**	**	**	**	**	**	**	**	12.30	12.60	0.00	1.90	5
6	**	**	**	**	**	**	**	**	20.40	12.90	0.00	1.21	6
7	**	**	**	**	**	**	**	**	19.10	9.35	0.00	1.48	7
8	**	**	**	**	**	**	**	**	16.60	8.33	0.00	1.79	8
9	**	**	**	**	**	**	**	**	15.80	7.17	0.00	2.88	9
10	**	**	**	**	**	**	**	**	16.20	8.09	0.00	3.22	10
11	**	**	**	**	**	**	**	**	18.20	8.83	0.00	3.63	11
12	**	**	**	**	**	**	**	**	15.00	9.09	0.00	4.68	12
13	**	**	**	**	**	**	**	**	13.30	9.35	0.00	3.92	13
14	**	**	**	**	**	**	**	**	11.60	9.35	0.00	3.63	14
15	**	**	**	**	**	**	**	**	11.00	12.60	0.00	3.63	15
16	**	**	**	**	**	**	**	**	15.80	8.33	0.00	3.63	16
17	**	**	**	**	**	**	**	**	15.80	8.83	0.00	2.88	17
18	**	**	**	**	**	**	**	**	15.40	10.70	0.00	2.88	18
19	**	**	**	**	**	**	**	**	12.60	5.19	0.00	2.72	19
20	**	**	**	**	**	**	**	**	12.30	0.12	0.00	3.22	20
21	**	**	**	**	**	**	**	0.54	12.30	0.07	0.00	4.21	21
22	**	**	**	**	**	**	**	0.49	11.60	0.38	0.00	4.06	22
23	**	**	**	**	**	**	**	0.45	11.60	0.24	0.00	6.95	23
24	**	**	**	**	**	**	**	0.45	14.00	0.04	0.00	6.32	24
25	**	**	**	**	**	**	**	0.45	15.80	0.00	0.00	5.37	25
26	**	**	**	**	**	**	**	0.22	15.40	0.00	0.00	5.02	26
27	**	**	**	**	**	**	**	1.68	14.30	0.00	0.00	5.02	27
28	**	**	**	**	**	**	**	1.58	12.30	0.00	0.00	4.85	28
29	**	**	**	**	**	**	**	1.58	12.60	0.00	0.00	4.85	29
30	**	**	**	**		**	**	11.60	14.70	0.00	0.00	4.52	30
31	**		**	**		**		13.30		0.00	0.00		31
TOTAL	**	**	**	**	**	**	**	32.34*	424.05	174.39	0.00	99.05	
MEAN	**	**	**	**	**	**	**	2.94*	14.14	5.63	0.00	3.30	
AC-FT	**	**	**	**	**	**	**	64.15*	841.09	345.90	0.00	196.46	

** INDICATES MISSING DATA

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E INDICATES ESTIMATED VALUE

Green River Basin, Wyoming; Key Structures and Diversions
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LATITUDE 42-59-51 LONGITUDE 109-58-39
NW1/4SW1/4 SECTION 25 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7360.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570800
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	4.36	**	**	**	**	**	**	**	11.18	0.00	0.00	3.03	1
2	5.02	**	**	**	**	**	**	**	10.01	0.00	0.00	0.77	2
3	5.19	**	**	**	**	**	**	**	13.50	0.86	0.00	0.00	3
4	4.85	**	**	**	**	**	**	**	12.96	7.72	0.00	0.00	4
5	3.77	**	**	**	**	**	**	**	12.18	10.24	0.00	0.11	5
6	3.77	**	**	**	**	**	**	**	10.45	10.47	0.00	0.33	6
7	3.77	**	**	**	**	**	**	**	10.01	10.24	0.00	0.86	7
8	3.77	**	**	**	**	**	**	**	9.57	9.35	0.00	1.99	8
9	3.77	**	**	**	**	**	**	**	9.79	6.45	0.00	3.03	9
10	3.92	**	**	**	**	**	**	**	9.79	5.03	0.00	3.03	10
11	3.92	**	**	**	**	**	**	**	9.79	5.96	1.47	3.03	11
12	4.21	**	**	**	**	**	**	**	9.79	5.33	1.33	3.71	12
13	4.21	**	**	**	**	**	**	**	9.35	4.61	1.07	3.14	13
14	4.21	**	**	**	**	**	**	**	9.57	4.08	0.86	3.03	14
15	7.85	**	**	**	**	**	**	**	10.01	3.83	0.69	3.25	15
16	12.30	**	**	**	**	**	**	**	9.35	8.31	0.77	3.71	16
17	1.90	**	**	**	**	**	**	**	6.80	7.91	1.19	3.83	17
18	0.68	**	**	**	**	**	**	**	6.28	0.54	1.33	3.83	18
19	0.18	**	**	**	**	**	**	5.64	5.03	0.20	2.63	4.61	19
20	0.15	**	**	**	**	**	**	8.31	4.47	0.20	1.63	4.08	20
21	0.11	**	**	**	**	**	**	7.91	5.79	0.33	1.99	4.21	21
22	0.07	**	**	**	**	**	**	6.98	7.34	0.20	1.80	4.89	22
23	0.03	**	**	**	**	**	**	6.98	7.72	0.00	1.80	4.61	23
24	0.00	**	**	**	**	**	**	7.16	7.34	0.00	1.99	4.47	24
25	0.00	**	**	**	**	**	**	11.18	8.11	0.00	2.20	4.47	25
26	0.00	**	**	**	**	**	**	13.23	7.72	0.00	2.42	4.47	26
27	0.00	**	**	**	**	**	**	15.81	6.28	0.00	2.63	4.61	27
28	**	**	**	**	**	**	**	15.81	4.75	0.00	3.03	4.61	28
29	**	**	**	**		**	**	14.63	0.00	0.00	2.54	4.08	29
30	**	**	**	**		**	**	16.11	0.00	0.00	2.54	3.59	30
31	**		**	**		**		13.51		0.00	3.83		31
TOTAL	82.01*	**	**	**	**	**	**	143.26*	244.93	101.86	39.74	93.38	
MEAN	3.04*	**	**	**	**	**	**	11.02*	8.16	3.29	1.28	3.11	
AC-FT	162.66*	**	**	**	**	**	**	284.15*	485.81	202.04	78.82	185.22	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Green River Basin, Wyoming; Key Structures and Diversions
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ELEVATION 7360.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570800
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	3.47	3.36	**	**	**	**	**	**	8.37	29.47	0.00	0.19	1
2	3.59	3.36	**	**	**	**	**	**	9.43	31.82	0.00	0.17	2
3	3.59	3.36	**	**	**	**	**	**	7.38	31.34	0.00	0.17	3
4	3.59	**	**	**	**	**	**	**	7.96	31.54	0.00	0.17	4
5	3.47	**	**	**	**	**	**	**	17.99	30.87	0.00	0.19	5
6	3.25	**	**	**	**	**	**	**	6.31	30.87	0.00	0.17	6
7	3.47	**	**	**	**	**	**	**	19.71	29.47	0.00	0.22	7
8	3.59	**	**	**	**	**	**	**	16.36	25.93	0.00	0.29	8
9	3.59	**	**	**	**	**	**	**	12.86	26.79	0.00	0.69	9
10	3.71	**	**	**	**	**	**	**	8.57	25.09	0.00	0.69	10
11	3.59	**	**	**	**	**	**	**	10.11	24.27	0.00	0.69	11
12	3.59	**	**	**	**	**	**	**	25.93	23.47	0.00	0.77	12
13	3.47	**	**	**	**	**	**	**	25.09	22.68	0.00	0.86	13
14	3.47	**	**	**	**	**	**	**	24.68	22.68	0.00	0.96	14
15	3.47	**	**	**	**	**	**	**	20.79	22.68	0.00	0.96	15
16	3.47	**	**	**	**	**	**	**	17.65	16.05	0.00	1.08	16
17	3.47	**	**	**	**	**	**	**	14.84	11.06	0.00	1.08	17
18	3.47	**	**	**	**	**	**	**	13.68	3.46	0.00	1.48	18
19	3.47	**	**	**	**	**	**	**	10.82	0.77	0.00	2.24	19
20	3.47	**	**	**	**	**	**	**	9.43	0.00	0.00	2.01	20
21	3.47	**	**	**	**	**	**	**	28.55	0.00	0.00	2.24	21
22	3.59	**	**	**	**	**	**	0.12	29.01	0.00	0.00	2.33	22
23	3.71	**	**	**	**	**	**	0.01	27.22	0.00	0.10	2.61	23
24	3.71	**	**	**	**	**	**	0.01	25.09	0.00	2.33	3.12	24
25	3.59	**	**	**	**	**	**	0.01	21.91	0.00	1.80	3.02	25
26	3.59	**	**	**	**	**	**	0.01	17.32	0.00	1.63	3.12	26
27	3.47	**	**	**	**	**	**	0.01	15.13	0.00	1.47	3.35	27
28	3.47	**	**	**	**	**	**	0.01	13.97	0.00	1.33	3.58	28
29	2.93	**	**	**		**	**	0.77	13.68	0.00	1.47	3.35	29
30	2.63	**	**	**		**	**	0.01	11.81	0.00	0.96	3.46	30
31	3.14	**		**		**		5.04		0.00	0.26		31
TOTAL	107.56	10.08*	**	**	**	**	**	6.00*	491.65	440.31	11.35	45.26	
MEAN	3.47	3.36*	**	**	**	**	**	.60*	16.39	14.20	0.37	1.51	
AC-FT	213.34	19.99*	**	**	**	**	**	11.90*	975.17	873.34	22.51	89.77	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Harry Rahm Ditch, West Fork New Fork River, Diversion Data

HARRY RAHM DITCH STATION NO. 007113.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NW1/4SW1/4 SECTION 25 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7360.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570800
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	3.82	0.54	**	**	**	**	**	**	4.90	4.47	0.00	2.53	1
2	4.33	0.61	**	**	**	**	**	**	5.35	5.99	0.00	2.62	2
3	4.07	0.42	**	**	**	**	**	**	5.82	2.06	0.00	3.88	3
4	3.82	0.42	**	**	**	**	**	**	4.61	0.77	0.00	4.12	4
5	3.58	**	**	**	**	**	**	**	3.58	0.47	0.00	3.44	5
6	3.58	**	**	**	**	**	**	**	3.23	0.28	0.00	2.81	6
7	3.58	**	**	**	**	**	**	**	5.66	2.61	0.00	2.91	7
8	3.46	**	**	**	**	**	**	**	5.99	2.71	0.00	2.91	8
9	3.46	**	**	**	**	**	**	**	10.16	6.50	0.00	2.91	9
10	3.46	**	**	**	**	**	**	**	12.15	10.16	0.00	2.91	10
11	3.82	**	**	**	**	**	**	**	9.93	8.61	0.00	3.02	11
12	3.70	**	**	**	**	**	**	2.71	8.61	7.60	0.00	3.12	12
13	3.46	**	**	**	**	**	**	5.20	6.15	6.67	0.00	3.18	13
14	3.35	**	**	**	**	**	**	5.99	4.90	6.50	0.00	3.23	14
15	4.07	**	**	**	**	**	**	5.82	4.47	7.22	0.00	3.12	15
16	4.07	**	**	**	**	**	**	6.50	0.00	6.85	0.00	3.18	16
17	4.07	**	**	**	**	**	**	7.22	0.00	8.20	0.00	3.23	17
18	4.20	**	**	**	**	**	**	8.82	0.00	3.95	0.00	3.12	18
19	4.47	**	**	**	**	**	**	9.93	9.04	1.67	0.00	2.71	19
20	3.02	**	**	**	**	**	**	11.13	9.93	0.00	3.54	2.71	20
21	0.33	**	**	**	**	**	**	15.26	8.20	0.00	3.54	2.71	21
22	0.25	**	**	**	**	**	**	13.51	7.60	0.00	3.44	2.66	22
23	0.22	**	**	**	**	**	**	9.70	7.41	0.00	3.22	2.52	23
24	0.04	**	**	**	**	**	**	7.60	7.60	0.00	3.44	2.16	24
25	0.00	**	**	**	**	**	**	6.33	7.60	0.00	3.33	2.42	25
26	0.00	**	**	**	**	**	**	6.67	7.04	0.00	3.12	2.61	26
27	0.00	**	**	**	**	**	**	7.04	4.75	0.00	2.91	2.06	27
28	0.02	**	**	**	**	**	**	6.50	3.70	0.00	2.62	1.86	28
29	0.07	**	**	**		**	**	6.67	3.70	0.00	2.53	1.67	29
30	0.61	**	**	**		**	**	5.99	4.07	0.00	2.53	1.67	30
31	0.61		**	**		**		5.35		0.00	2.43		31
TOTAL	77.54	1.99*	**	**	**	**	**	153.94*	176.15	93.29	36.65	84.00	
MEAN	2.50	.50*	**	**	**	**	**	7.70*	5.87	3.01	1.18	2.80	
AC-FT	153.80	3.95*	**	**	**	**	**	305.34*	349.39	185.04	72.69	166.61	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Harry Rahm Ditch, West Fork New Fork River, Diversion Data

HARRY RAHM DITCH STATION NO. 007113.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NW1/4SW1/4 SECTION 25 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7360.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570800
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.59	3.35	**	**	**	**	**	**	**	**	**	**	1
2	1.51	**	**	**	**	**	**	**	**	**	**	**	2
3	1.21	**	**	**	**	**	**	**	**	**	**	**	3
4	2.16	**	**	**	**	**	**	**	**	**	**	**	4
5	3.02	**	**	**	**	**	**	**	**	**	**	**	5
6	2.81	**	**	**	**	**	**	**	**	**	**	**	6
7	2.91	**	**	**	**	**	**	**	**	**	**	**	7
8	3.70	**	**	**	**	**	**	**	**	**	**	**	8
9	4.75	**	**	**	**	**	**	**	**	**	**	**	9
10	5.20	**	**	**	**	**	**	**	**	**	**	**	10
11	5.35	**	**	**	**	**	**	**	**	**	**	**	11
12	4.61	**	**	**	**	**	**	**	**	**	**	**	12
13	4.61	**	**	**	**	**	**	**	**	**	**	**	13
14	4.75	**	**	**	**	**	**	**	**	**	**	**	14
15	4.75	**	**	**	**	**	**	**	**	**	**	**	15
16	4.75	**	**	**	**	**	**	**	**	**	**	**	16
17	4.75	**	**	**	**	**	**	**	**	**	**	**	17
18	4.75	**	**	**	**	**	**	**	**	**	**	**	18
19	4.75	**	**	**	**	**	**	**	**	**	**	**	19
20	4.75	**	**	**	**	**	**	**	**	**	**	**	20
21	5.05	**	**	**	**	**	**	**	**	**	**	**	21
22	5.12	**	**	**	**	**	**	**	**	**	**	**	22
23	4.47	**	**	**	**	**	**	**	**	**	**	**	23
24	4.47	**	**	**	**	**	**	**	**	**	**	**	24
25	4.47	**	**	**	**	**	**	**	**	**	**	**	25
26	4.41	**	**	**	**	**	**	**	**	**	**	**	26
27	4.34	**	**	**	**	**	**	**	**	**	**	**	27
28	4.41	**	**	**	**	**	**	**	**	**	**	**	28
29	4.41	**	**	**	**	**	**	**	**	**	**	**	29
30	4.07	**	**	**		**	**	**	**	**	**	**	30
31	3.35		**	**		**		**		**	**		31
TOTAL	125.25	3.35*	**	**	**	**	**	**	**	**	**	**	
MEAN	4.04	3.35*	**	**	**	**	**	**	**	**	**	**	
AC-FT	248.43	6.64*	**	**	**	**	**	**	**	**	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

Highland Canal, Pine Creek

Diversion Description: Diversion consists of three 6' by 6' slide gates. The headgate is attached to the Fremont Lake Dam.[1]

Diversion Location:

Source: Pine Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River

Section, Township, Range: 23-34-109

Conveyance Description: Open Channel Canal, approximately 22 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
02-21-1908	8238	Irrigation	5,177.34	73.49	73.49	
08-10-1934	4944E	Domestic, Irrigation, Stock			73.49	1,153.82 AF Secondary Supply from Fremont Lake Reservoir (4453R and 4465R) (335.00 acres served)
01-12-1944	5361E	Irrigation, Stock	232.22	3.32	76.81	
03-13-1950	5503E	Irrigation, Stock	438.00	6.25	83.06	

Storage Rights: Fremont Lake Reservoir.

Estimated Canal Losses: Considerable higher than typical (40%) losses are experienced in the higher reaches of the canal due to the porous nature of the soil. However, a majority of these losses are re-captured by the lower reaches of the canal.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Less than 600 acres are alfalfa hay; remaining lands are native grass hay and pasture.[1]

Return Flows: Approximately 70% of the return flows are delivered to Pole Creek at Fall Creek, and 30% to West Fork New Fork River above Pole Creek.[2]

Highland Canal, Pine Creek

Other Operational Information: The canal is initially turned on in mid-April for stock water use. By approximately mid-May and lasting until mid-July, the canal experiences its highest flows. In mid-August (during haying), the canal is reduced again to stock-water flows. Typically, the canal is turned off by the first of November.[1]

Sources: 1) Murl Morris, Highland Canal Company, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Highland Canal, Pine Creek, 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	55.50	3,412.56	158.37	9,423.67	116.16	7,142.40	35.69	2,194.49	14.19	844.36
1981	40.29	2,477.34	163.81	9,747.37	103.93	6,390.41	38.85	2,388.79		
1982			138.32	8,230.61	146.05	8,980.26	43.56	2,678.40	22.92	1,363.83
1983			175.85	10,463.80	131.47	8,083.78	50.97	3,134.02		
1984			120.34	7,160.73	80.46	4,947.29	20.22	1,243.28		
1985	*67.66*	4,160.25	*167.55*	9,969.92	*110.06*	6,767.33	*23.03*	1,416.06	*30.83*	1,834.51
1986	*19.60*	1,205.26	*208.53*	12,408.60	*98.84*	6,077.36	*35.03*	2,154.05	*29.17*	1,735.54
1987			169.53	10,087.74	63.54	3,906.92	29.72	1,827.41		
1988	*62.64*	3,851.31	*195.53*	11,635.04	*87.03*	5,351.40	*28.81*	1,771.24	*16.85*	1,002.84
1989	*48.82*	3,001.59	*215.00*	12,793.39	*163.74*	10,068.10	*37.66*	2,315.70	*21.41*	1,273.79
1990	*73.97*	4,548.10	*191.57*	11,399.01	*160.65*	9,877.69	*37.65*	2,314.71	*41.53*	2,471.40
1991	*36.75*	2,259.57	*161.87*	9,631.74	*116.68*	7,174.21	*36.45*	2,241.32	*48.37*	2,878.02
1992	*122.26*	7,517.36	*177.63*	10,569.92	*100.19*	6,160.66	*39.45*	2,425.79	*34.73*	2,066.78
1993	*37.84*	2,326.61	*184.13*	10,956.69	*145.39*	8,939.50	*40.13*	2,467.44	*57.77*	3,437.36
1994	*128.28*	7,887.91	*212.77*	12,660.50	*111.19*	6,837.02	*24.61*	1,513.39	*21.70*	1,291.24
1995	*53.29*	3,276.69	*167.70*	9,978.84	*133.81*	8,227.44	*70.26*	4,320.00	*74.03*	4,405.29
1996	65.67	4,037.89	227.34	13,527.67	132.77	8,163.71	54.04	3,322.79	35.51	2,112.99
1997	65.28	4,013.91	30.79	1,832.13	94.33	5,800.13	46.42	2,854.25	63.09	3,754.12
1998	71.24	4,380.38	150.43	8,951.21	141.83	8,720.79	36.83	2,264.59	46.44	2,763.37
Averages:	63.27	3,890.45	169.32	10,075.19	117.80	7,242.97	38.39	2,360.41	37.24	2,211.70

Figures in italics are computed by USGS from USGS gaging station #09196960 (Highland Ditch near Pinedale, WY) records.
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.

Highland Canal, Pine Creek, Diversion Data

Data:

1980: 5/13, turned on; 5/14, 16 cfs; 5/16, 36 cfs; 5/20, 34 cfs; 5/21, 100 cfs; 5/24, 110 cfs; 5/27, 164 cfs; 6/4, 110 cfs; 6/9, 110 cfs; 6/10, 135 cfs; 6/11, 164 cfs; 6/13, 190 cfs; 6/17, 180 cfs; 6/24, 180 cfs; 6/26, 180 cfs; 6/30, 164 cfs; 7/3, 180 cfs; 7/7, 156 cfs; 7/14, 156 cfs; 7/21, 78 cfs; 7/25, 63 cfs; 7/29, 53 cfs; 8/1, 50 cfs; 8/4, 50 cfs; 8/7, 50 cfs; 8/11, 36 cfs; 8/13, 34 cfs; 8/20, 34 cfs; 9/4, 17 cfs; 9/17, 17 cfs; 9/26, 16 cfs.

1981: 5/14, 9 cfs; 5/18, 34 cfs; 5/28, 95 cfs; 6/1, 164 cfs; 6/9, 164 cfs; 6/15, 154 cfs; 6/18, 170 cfs; 6/26, 164 cfs; 7/8, 170 cfs; 7/15, 102 cfs; 7/21, 78 cfs; 7/23, 62 cfs; 7/24, 51 cfs; 7/30, 41 cfs; 8/6, 33 cfs; 8/11, 40 cfs; 8/26, 31 cfs.

1982: 5/24, 42 cfs; 5/25, 71 cfs; 5/28, 70 cfs; 6/2, 100 cfs; 6/7, 107 cfs; 6/9, 100 cfs; 6/14, 105 cfs; 6/17, 152 cfs; 6/22, 175 cfs; 6/24, 185 cfs; 6/28, 175 cfs; 6/30, 180 cfs; 7/6, 175 cfs; 7/14, 175 cfs; 7/19, 165 cfs; 8/2, 42 cfs; 8/29, 45 cfs; 9/6, 35 cfs; 9/20, 36 cfs.

1983: 5/24, 10 cfs (est); 5/31, 80 cfs; 6/6, 1 35 cfs; 6/13, 193 cfs; 6/22, 197 cfs; 6/30, 205 cfs; 7/5, 197 cfs; 7/11, 220 cfs; 7/19, 43 cfs; 7/27, 92 cfs; 8/19, 40 cfs; 9/6, 34 cfs.

1984: 5/21, off; 5/25, 18 cfs; 5/30, 81 cfs; 6/9, 105 cfs; 6/12, 95 cfs; 6/15, 99 cfs; 6/18, 115 cfs; 6/20, 142 cfs; 6/25, 162 cfs; 7/2, 141 cfs; 7/9, 130 cfs; 7/16, 95 cfs; 7/23, 23 cfs; 8/21, 20 cfs (est); 10/4, 10 cfs (est).

1985: 5/13, 42.4 cfs; 5/22, 37 cfs; 5/30, 169 cfs; 6/27, 135 cfs; 7/16, 90 cfs; 7/30, 45 cfs; 8/12, 20.5 cfs; 8/28, 10 cfs (est); 9/5, 17 cfs (est); 9/17, 16 cfs (est). (USGS figures used.)

1986: 6/28, 105 cfs. (USGS figures used.)

1987: 5/18, 153 cfs; 5/22, 174 cfs; 6/18, 181 cfs; 6/23, 164 cfs; 7/1, 132 cfs; 7/9, 79 cfs; 7/23, 36 cfs; 8/28, 33 cfs.

1993-1995: Data Recorder Installed. See attached sheets.

1996: 5/10, 10.0 cfs (est); 5/14, 25.0 cfs (est); 6/11, 287 cfs; 6/15, 216 cfs; 6/17, 220 cfs; 6/21, 204 cfs; 6/24, 220 cfs; 6/25, 220 cfs; 7/1, 204 cfs; 7/3, 235 cfs; 7/8, 185 cfs; 7/15, 167 cfs; 7/23, 61.8 cfs; 7/25, 60.6 cfs; 7/29, 49.1 cfs; 8/1, 42.8 cfs; 8/6, 42.8 cfs; 8/13, 42.8 cfs; 8/19, 78.6 cfs; 8/26, 60.6 cfs; 8/30, 45.8 cfs; 9/4, 60.6 cfs; 9/12, 42.8 cfs; 9/16, 42.8 cfs; 9/24, 35.2 cfs.

1997: 5/12, 45 cfs; 6/2, 163 cfs; 6/12, 270 cfs; 7/5, 122 cfs; 7/7, 126 cfs; 7/15, 118 cfs; 7/19, 97.2 cfs; 7/24, 44.5 cfs; 7/29, 46.4 cfs; 7/30, 51 cfs; 8/7, 44 cfs; 8/12, 44 cfs; 8/18, 45 cfs; 8/25, 44 cfs; 9/4, 65.6 cfs; 9/10, 65.6 cfs; 9/23, 65.6 cfs; 9/30, 65.6 cfs.

1998: Data Recorder Installed. (USGS figures used.)

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Highland Canal, Pine Creek, Diversion Data

	1993				
	May	June	July	Aug.	Sept.
1		163.0	174.0	78.0	63.0
2		186.0	175.0	78.0	63.0
3		192.0	154.0	78.0	63.0
4		192.0	124.0	78.0	63.0
5		161.0	125.0	45.0	64.0
6		145.0	125.0	35.0	63.0
7		140.0	127.0	40.0	64.0
8		130.0	126.0	40.0	64.0
9		161.0	141.0	40.0	64.0
10		182.0	174.0	38.0	64.0
11		187.0	173.0	33.0	64.0
12		192.0	172.0	28.0	65.0
13		199.0	173.0	28.0	64.0
14		201.0	173.0	28.0	65.0
15	23.0	208.0	172.0	28.0	65.0
16	39.0	216.0	173.0	29.0	65.0
17	36.0	206.0	172.0	32.0	65.0
18	41.0	193.0	173.0	28.0	65.0
19	48.0	192.0	172.0	30.0	65.0
20	49.0	194.0	171.0	31.0	64.0
21	50.0	197.0	171.0	31.0	64.0
22	50.0	202.0	168.0	31.0	64.0
23	56.0	200.0	151.0	31.0	56.0
24	67.0	197.0	140.0	31.0	39.0
25	79.0	188.0	140.0	30.0	39.0
26	88.0	184.0	116.0	30.0	39.0
27	94.0	186.0	101.0	30.0	38.0
28	96.0	189.0	101.0	36.0	38.0
29	111.0	195.0	101.0	46.0	38.0
30	118.0	182.0	101.0	46.0	38.0
31	136.0		89.0	57.0	
CFS days	1181.00	5560.00	4548.00	1244.00	1735.00
Average (cfs)	38.10	185.33	146.71	40.13	57.83
	1994				

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

Highland Canal, Pine Creek, Diversion Data

	May	June	July	Aug.	Sept.
1	0.4	247.0	186.0	29.0	24.0
2	0.4	245.0	183.0	27.0	24.0
3	23.0	240.0	181.0	23.0	23.0
4	48.0	237.0	178.0	23.0	23.0
5	49.0	242.0	175.0	23.0	23.0
6	52.0	245.0	172.0	23.0	23.0
7	48.0	248.0	169.0	23.0	22.0
8	66.0	248.0	166.0	23.0	22.0
9	80.0	242.0	163.0	23.0	22.0
10	81.0	236.0	160.0	22.0	22.0
11	83.0	231.0	161.0	22.0	22.0
12	86.0	227.0	178.0	22.0	21.0
13	89.0	227.0	169.0	22.0	21.0
14	94.0	229.0	141.0	22.0	22.0
15	96.0	226.0	138.0	22.0	22.0
16	117.0	202.0	136.0	22.0	21.0
17	129.0	201.0	77.0	20.0	21.0
18	138.0	199.0	55.0	35.0	21.0
19	155.0	198.0	70.0	35.0	21.0
20	154.0	199.0	69.0	35.0	21.0
21	167.0	201.0	68.0	35.0	21.0
22	180.0	203.0	68.0	24.0	21.0
23	194.0	209.0	67.0	15.0	21.0
24	204.0	193.0	67.0	21.0	21.0
25	206.0	164.0	66.0	25.0	21.0
26	212.0	163.0	38.0	25.0	21.0
27	237.0	162.0	30.0	25.0	21.0
28	248.0	161.0	29.0	25.0	21.0
29	244.0	170.0	29.0	24.0	21.0
30	242.0	188.0	29.0	24.0	21.0
31	244.0		29.0	24.0	
CFS days	3966.80	6383.00	3447.00	763.00	651.00
Average (cfs)	127.96	212.77	111.19	24.61	21.70
	1995				
	May	June	July	Aug.	Sept.

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

Highland Canal, Pine Creek, Diversion Data

1	16	83	220	69	72
2	15	97	215	69	87
3	15	107	195	69	90
4	33	119	185	69	89
5	43	133	183	70	89
6	43	150	181	70	88
7	42	146	182	71	88
8	39	148	186	71	78
9	39	154	193	71	58
10	39	150	197	71	41
11	39	146	199	71	58
12	39	141	195	71	78
13	39	150	153	71	78
14	38	167	129	72	77
15	37	173	145	63	77
16	37	170	159	72	76
17	46	179	150	72	75
18	66	178	140	72	75
19	78	176	117	71	75
20	77	179	92	71	74
21	76	179	72	71	73
22	76	181	45	71	73
23	77	185	57	71	72
24	75	189	67	71	71
25	74	210	66	70	70
26	77	221	71	70	69
27	79	230	71	70	69
28	77	227	71	70	68
29	76	229	71	70	67
30	73	234	71	69	66
31	72		70	69	
CFS days	1652.00	5031.00	4148.00	2178.00	2221.00
Average (cfs)	53.29	167.70	133.81	70.26	74.03
	1988				
	May	June	July	Aug.	Sept.
1	45.8	145	200	39.8	49.6

Highland Canal, Pine Creek, Diversion Data

2	46.3	151	209	39.3	49.6
3	46.8	157	209	38.7	49.6
4	47.4	149	209	38.2	49.0
5	47.9	153	209	37.7	48.5
6	48.5	153	209	37.3	47.9
7	49.6	148	209	36.3	47.4
8	55.7	146	181	36.3	46.8
9	59.5	142	167	35.9	46.3
10	65.5	139	149	36.3	45.8
11	71.6	140	124	35.9	45.8
12	72.8	145	110	35.9	45.2
13	71.6	151	110	35.9	44.7
14	71.6	157	153	35.9	47.9
15	72.2	160	173	35.9	55.1
16	71.6	164	172	35.9	54.6
17	70.4	155	162	35.4	52.4
18	71.0	146	157	35.4	52.4
19	70.4	142	156	35.4	54.6
20	69.2	145	156	34.4	54.0
21	67.9	146	154	34.0	53.5
22	68.5	147	152	34.4	48.5
23	68.5	157	152	34.0	43.6
24	67.9	165	73.4	33.5	43.1
25	67.9	158	49.0	25.3	43.1
26	67.3	148	65.5	24.6	39.3
27	74.1	148	71.6	24.2	34.4
28	106	152	71.0	50.1	34.0
29	120	152	69.8	50.1	33.5
30	135	152	63.1	50.1	33.0
31	140		51.2	49.6	
CFS days	2208.50	4513.00	4396.60	1141.70	1393.20
Average (cfs)	71.24	150.43	141.83	36.83	46.44

High Line Ditch, Lake Creek

Diversion Description: Diversion consists of a single 24" slide gate.[1]

Diversion Location:

Source: Lake Creek, Trib. Willow Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River

Section, Township, Range: 19, 35, 109

Conveyance Description: Open Channel Canal, approximately 8 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
07-29-1910	10038	Domestic, Irrigation, Stock	332.00	4.75	4.75	
10-21-1912	2710E	Domestic, Irrigation	785.00	11.20	15.95	
09-10-1930	4712E	Irrigation	261.00	3.72	19.67	

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 West Fork New Fork River at Willow Creek.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

High Line Ditch, Lake Creek, Diversion Data

Data:
1993: 6/23, 58.00 cfs.
1994: 6/18, 44.00 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Jenkins Ditch, West Fork New Fork River

Diversion Description: Diversion consists of a wood stop log headgate.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 5, 35, 110

Conveyance Description: Open Channel Canal, approximately 3 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
11-11-1903	5855	Irrigation				41.70 AF Secondary Supply stored in New Fork Lake Reservoir (480Res) (30.00 acres served)
11-11-1903	4859E	Irrigation				313.03 AF Secondary Supply stored in New Fork Lake Reservoir (480Res) (225.20 acres served)
11-11-1903	5515E	Irrigation				854.85 AF Secondary Supply stored in New Fork Lake Reservoir (480Res) (615.00 acres served)
02-06-1911	12239	Domestic, Irrigation	1550.00	22.14	22.14	
06-11-1929	4829E	Irrigation	188.50	2.68	24.82	
11-10-1953	5701E	Irrigation, Stock	200.00	2.85	27.67	

Storage Rights: New Fork Lake Reservoir.

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 Duck Creek at Kitchen and Sunset Reservoir.[2]

Jenkins Ditch, West Fork New Fork River

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Jenkins Ditch, West Fork New Fork River, 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	*0.41*	*25.15*	*23.78*	*1,414.99*	*22.63*	*1,391.25*	*1.62*	*99.65*	*2.45*	*146.08*
1985			*22.13*	*1,317.02*	*12.08*	*742.87*	*1.36*	*83.83*	*5.50*	*326.98*
1986			*21.94*	*1,305.42*	*13.69*	*841.49*	*0.18*	*10.89*		
1987	*8.00*	*491.98*	*18.10*	*1,077.30*	*9.69*	*595.68*	*0.59*	*36.44*	*1.34*	*79.60*
1988	*0.93*	*56.99*								
1989										
1990	2.27	139.58	2.22	132.10	1.60	98.38				
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
Averages:	2.90	178.42	17.64	1,049.37	11.94	733.93	0.94	57.70	3.10	184.22

Data in italics from USGS gaging station 007105.00, see attached data sheets.
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.

Jenkins Ditch, West Fork New Fork River, Diversion Data

Data:
1990: 5/15, 5.5 cfs; 6/7, 1.8 cfs (est); 7/18, 3.2 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Jenkins Ditch, West Fork New Fork River, Diversion Data

JENKINS DITCH STATION NO. 007105.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
SE1/4NE1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7485.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	5.87	30.20	2.52	0.72	1
2	**	**	**	**	**	**	**	**	8.62	30.20	1.43	0.19	2
3	**	**	**	**	**	**	**	**	18.60	30.20	0.78	0.09	3
4	**	**	**	**	**	**	**	**	24.20	30.50	0.27	0.09	4
5	**	**	**	**	**	**	**	**	23.80	31.00	1.63	0.11	5
6	**	**	**	**	**	**	**	**	25.80	31.00	0.94	5.44	6
7	**	**	**	**	**	**	**	**	25.20	31.30	0.30	4.54	7
8	**	**	**	**	**	**	**	**	24.50	31.50	0.11	3.46	8
9	**	**	**	**	**	**	**	**	24.20	31.50	0.65	1.91	9
10	**	**	**	**	**	**	**	**	24.70	31.80	1.20	1.63	10
11	**	**	**	**	**	**	**	**	25.20	33.10	1.74	1.53	11
12	**	**	**	**	**	**	**	**	24.00	32.00	2.29	1.43	12
13	**	**	**	**	**	**	**	**	23.60	29.20	2.83	0.78	13
14	**	**	**	**	**	**	**	**	23.40	29.00	2.83	0.49	14
15	**	**	**	**	**	**	**	0.00	23.80	29.20	1.68	0.20	15
16	**	**	**	**	**	**	**	0.00	26.10	28.20	0.26	1.43	16
17	**	**	**	**	**	**	**	0.00	25.60	28.20	0.12	5.04	17
18	**	**	**	**	**	**	**	0.00	25.20	28.50	0.11	4.66	18
19	**	**	**	**	**	**	**	0.00	23.80	27.00	0.98	4.54	19
20	**	**	**	**	**	**	**	0.00	23.80	25.40	1.12	4.66	20
21	**	**	**	**	**	**	**	0.00	24.00	25.60	0.36	4.66	21
22	**	**	**	**	**	**	**	0.00	25.40	25.80	0.09	3.46	22
23	**	**	**	**	**	**	**	0.00	25.40	24.50	0.09	3.86	23
24	**	**	**	**	**	**	**	0.00	25.40	16.20	3.27	3.36	24
25	**	**	**	**	**	**	**	0.00	25.40	2.67	3.00	3.00	25
26	**	**	**	**	**	**	**	0.00	25.40	2.35	3.00	3.00	26
27	**	**	**	**	**	**	**	0.00	25.80	1.43	5.04	2.60	27
28	**	**	**	**	**	**	**	2.52	28.20	1.80	3.56	2.37	28
29	**	**	**	**	**	**	**	2.52	28.70	1.09	3.27	2.23	29
30	**	**	**	**		**	**	3.56	29.70	0.49	2.67	2.17	30
31	**		**	**		**		4.08		0.49	2.10		31
TOTAL	**	**	**	**	**	**	**	12.68*	713.39	701.42	50.24	73.65	
MEAN	**	**	**	**	**	**	**	.75*	23.78	22.63	1.62	2.46	
AC-FT	**	**	**	**	**	**	**	25.15*	1414.99	1391.25	99.65	146.08	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Jenkins Ditch, West Fork New Fork River, Diversion Data

JENKINS DITCH STATION NO. 007105.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
SE1/4NE1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
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MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.91	**	**	**	**	**	**	**	13.19	1.47	0.85	6.14	1
2	1.91	**	**	**	**	**	**	**	18.18	4.58	1.13	3.88	2
3	1.63	**	**	**	**	**	**	**	23.47	12.22	2.99	1.80	3
4	1.48	**	**	**	**	**	**	**	21.61	25.68	4.86	1.92	4
5	1.38	**	**	**	**	**	**	**	22.07	26.97	0.45	2.32	5
6	1.29	**	**	**	**	**	**	**	24.44	25.68	0.31	0.45	6
7	1.21	**	**	**	**	**	**	**	25.94	24.69	0.08	0.22	7
8	1.05	**	**	**	**	**	**	**	25.94	25.94	0.14	0.26	8
9	0.98	**	**	**	**	**	**	**	26.71	23.95	0.33	0.22	9
10	1.01	**	**	**	**	**	**	**	25.68	23.24	1.13	0.13	10
11	1.01	**	**	**	**	**	**	**	23.24	22.30	1.38	0.64	11
12	1.05	**	**	**	**	**	**	**	23.24	22.53	0.64	6.51	12
13	1.01	**	**	**	**	**	**	**	23.95	22.07	0.38	3.00	13
14	1.01	**	**	**	**	**	**	**	24.20	22.30	0.38	2.48	14
15	1.01	**	**	**	**	**	**	**	24.20	22.07	0.38	2.48	15
16	1.01	**	**	**	**	**	**	**	24.20	22.07	0.12	3.82	16
17	2.83	**	**	**	**	**	**	**	26.97	21.61	0.00	0.00	17
18	2.92	**	**	**	**	**	**	**	24.44	4.86	0.00	0.00	18
19	3.09	**	**	**	**	**	**	**	24.93	1.13	0.52	11.29	19
20	3.46	**	**	**	**	**	**	**	25.43	0.56	0.00	16.61	20
21	3.76	**	**	**	**	**	**	2.48	25.68	0.26	0.00	14.16	21
22	3.76	**	**	**	**	**	**	2.48	26.19	9.67	0.00	11.14	22
23	3.86	**	**	**	**	**	**	2.48	26.45	0.33	0.00	11.29	23
24	3.86	**	**	**	**	**	**	3.82	26.97	1.47	0.00	11.29	24
25	3.76	**	**	**	**	**	**	11.75	21.84	0.56	0.00	11.29	25
26	3.76	**	**	**	**	**	**	11.60	23.47	0.92	0.00	10.80	26
27	**	**	**	**	**	**	**	11.44	23.00	0.92	0.00	8.17	27
28	**	**	**	**	**	**	**	11.29	15.65	0.92	0.08	8.17	28
29	**	**	**	**		**	**	11.29	1.80	1.13	10.80	7.72	29
30	**	**	**	**		**	**	13.36	0.92	1.38	8.17	6.65	30
31	**		**	**		**		13.03		1.05	6.89		31
TOTAL	55.01*	**	**	**	**	**	**	95.02*	664.00	374.53	42.01	164.85	
MEAN	2.12*	**	**	**	**	**	**	8.64*	22.13	12.08	1.36	5.50	
AC-FT	109.11*	**	**	**	**	**	**	188.47*	1317.02	742.87	83.33	326.98	

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MEAN DAILY FLOW IN CFS BY WATER YEAR

1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	7.72	0.22	**	**	**	**	**	**	13.29	31.37	0.95	**	1
2	2.48	0.18	**	**	**	**	**	**	14.04	31.04	1.02	**	2
3	0.48	0.13	**	**	**	**	**	**	14.04	31.37	1.16	**	3
4	0.02	**	**	**	**	**	**	**	13.66	32.69	0.32	**	4
5	0.02	**	**	**	**	**	**	**	14.04	29.45	0.19	**	5
6	0.06	**	**	**	**	**	**	**	14.62	19.35	0.08	**	6
7	2.48	**	**	**	**	**	**	**	17.97	19.59	0.08	**	7
8	1.21	**	**	**	**	**	**	**	17.31	19.83	0.07	**	8
9	0.64	**	**	**	**	**	**	**	16.87	19.59	0.60	**	9
10	0.04	**	**	**	**	**	**	**	19.83	19.35	0.15	**	10
11	0.02	**	**	**	**	**	**	**	18.20	18.65	0.10	**	11
12	0.19	**	**	**	**	**	**	**	24.46	18.43	0.05	**	12
13	5.15	**	**	**	**	**	**	**	24.74	18.43	0.05	**	13
14	1.21	**	**	**	**	**	**	**	25.86	18.43	0.05	**	14
15	0.48	**	**	**	**	**	**	**	24.46	18.43	0.37	**	15
16	0.06	**	**	**	**	**	**	**	24.19	17.31	0.14	**	16
17	0.01	**	**	**	**	**	**	**	23.64	17.31	0.06	**	17
18	0.01	**	**	**	**	**	**	**	23.64	17.09	0.05	**	18
19	0.01	**	**	**	**	**	**	**	23.11	13.11	**	**	19
20	0.11	**	**	**	**	**	**	**	23.37	5.42	**	**	20
21	1.58	**	**	**	**	**	**	**	25.58	3.08	**	**	21
22	0.60	**	**	**	**	**	**	**	25.30	1.02	**	**	22
23	0.48	**	**	**	**	**	**	**	26.15	1.09	**	**	23
24	0.18	**	**	**	**	**	**	0.56	27.03	0.64	**	**	24
25	0.02	**	**	**	**	**	**	0.36	27.32	0.45	**	**	25
26	0.01	**	**	**	**	**	**	0.27	26.73	0.42	**	**	26
27	0.01	**	**	**	**	**	**	0.68	27.03	0.39	**	**	27
28	0.45	**	**	**	**	**	**	1.32	27.32	0.25	**	**	28
29	2.32	**	**	**		**	**	3.46	27.03	0.22	**	**	29
30	0.85	**	**	**		**	**	3.66	27.32	0.16	**	**	30
31	0.48		**	**		**		12.93		0.29	**		31
TOTAL	29.38	.53*	**	**	**	**	**	23.24*	658.15	424.25	5.49*	**	
MEAN	0.95	.18*	**	**	**	**	**	2.91*	21.94	13.69	.31*	**	
AC-FT	58.27	1.05*	**	**	**	**	**	46.10*	1305.42	841.49	10.89*	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Jenkins Ditch, West Fork New Fork River, Diversion Data

JENKINS DITCH STATION NO. 007105.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
SE1/4NE1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7485.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	18.05	19.42	2.96	0.01	1
2	**	**	**	**	**	**	**	**	17.38	19.42	2.60	0.29	2
3	**	**	**	**	**	**	**	**	17.16	3.52	0.46	1.98	3
4	**	**	**	**	**	**	**	**	17.16	1.13	0.38	1.98	4
5	**	**	**	**	**	**	**	**	17.16	0.63	0.42	1.98	5
6	**	**	**	**	**	**	**	**	17.16	0.42	0.52	1.87	6
7	**	**	**	**	**	**	**	**	17.38	19.19	0.50	1.77	7
8	**	**	**	**	**	**	**	**	17.82	21.08	0.52	1.66	8
9	**	**	**	**	**	**	**	**	19.42	19.42	0.46	1.66	9
10	**	**	**	**	**	**	**	**	19.42	20.84	0.42	1.66	10
11	**	**	**	**	**	**	**	**	18.50	20.12	0.52	1.51	11
12	**	**	**	**	**	**	**	**	18.50	19.89	0.32	1.29	12
13	**	**	**	**	**	**	**	3.52	18.50	19.89	0.99	1.29	13
14	**	**	**	**	**	**	**	9.02	18.50	19.19	0.50	1.29	14
15	**	**	**	**	**	**	**	14.61	16.94	19.19	0.99	1.29	15
16	**	**	**	**	**	**	**	4.66	3.36	18.96	0.00	1.29	16
17	**	**	**	**	**	**	**	4.87	1.98	19.19	0.00	1.29	17
18	**	**	**	**	**	**	**	5.31	25.60	17.82	0.20	1.29	18
19	**	**	**	**	**	**	**	7.10	23.04	13.79	0.00	1.29	19
20	**	**	**	**	**	**	**	14.00	20.60	0.80	0.00	1.29	20
21	**	**	**	**	**	**	**	12.42	20.60	0.23	0.00	1.29	21
22	**	**	**	**	**	**	**	12.62	20.12	0.23	0.74	1.21	22
23	**	**	**	**	**	**	**	11.86	20.36	0.13	0.50	1.17	23
24	**	**	**	**	**	**	**	13.20	20.60	0.32	0.74	1.13	24
25	**	**	**	**	**	**	**	19.42	20.60	2.09	1.29	1.13	25
26	**	**	**	**	**	**	**	20.12	20.36	1.87	0.74	1.13	26
27	**	**	**	**	**	**	**	20.60	18.96	1.21	0.63	1.13	27
28	**	**	**	**	**	**	**	19.65	19.19	0.03	0.42	1.38	28
29	**	**	**	**		**	**	18.96	19.30	0.00	0.32	1.29	29
30	**	**	**	**		**	**	18.05	19.42	0.15	0.23	1.29	30
31	**		**	**		**		18.05		0.15	0.00		31
TOTAL	**	**	**	**	**	**	**	248.04*	543.14	300.32	18.37	40.13	
MEAN	**	**	**	**	**	**	**	13.05*	18.10	9.69	0.59	1.34	
AC-FT	**	**	**	**	**	**	**	491.98*	1077.30	595.68	36.44	79.60	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Jenkins Ditch, West Fork New Fork River, Diversion Data

JENKINS DITCH STATION NO. 007105.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
SE1/4NE1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7485.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	1.29	1.13	**	**	**	**	**	0.00	**	**	**	**	1
2	1.29	**	**	**	**	**	**	0.00	**	**	**	**	2
3	1.21	**	**	**	**	**	**	0.00	**	**	**	**	3
4	0.86	**	**	**	**	**	**	0.00	**	**	**	**	4
5	0.01	**	**	**	**	**	**	0.00	**	**	**	**	5
6	4.35	**	**	**	**	**	**	0.00	**	**	**	**	6
7	2.34	**	**	**	**	**	**	0.00	**	**	**	**	7
8	2.34	**	**	**	**	**	**	0.00	**	**	**	**	8
9	2.34	**	**	**	**	**	**	0.00	**	**	**	**	9
10	2.34	**	**	**	**	**	**	0.00	**	**	**	**	10
11	2.34	**	**	**	**	**	**	0.00	**	**	**	**	11
12	2.09	**	**	**	**	**	**	0.00	**	**	**	**	12
13	2.21	**	**	**	**	**	**	0.00	**	**	**	**	13
14	2.13	**	**	**	**	**	**	0.00	**	**	**	**	14
15	1.98	**	**	**	**	**	**	0.00	**	**	**	**	15
16	1.98	**	**	**	**	**	**	0.00	**	**	**	**	16
17	1.98	**	**	**	**	**	**	0.00	**	**	**	**	17
18	1.87	**	**	**	**	**	**	0.00	**	**	**	**	18
19	1.87	**	**	**	**	**	**	0.00	**	**	**	**	19
20	2.09	**	**	**	**	**	**	0.00	**	**	**	**	20
21	1.06	**	**	**	**	**	**	0.00	**	**	**	**	21
22	1.13	**	**	**	**	**	**	0.00	**	**	**	**	22
23	0.92	**	**	**	**	**	**	0.00	**	**	**	**	23
24	0.80	**	**	**	**	**	**	0.00	**	**	**	**	24
25	1.47	**	**	**	**	**	**	0.00	**	**	**	**	25
26	1.56	**	**	**	**	**	**	1.37	**	**	**	**	26
27	1.56	**	**	**	**	**	**	2.74	**	**	**	**	27
28	1.56	**	**	**	**	**	**	4.10	**	**	**	**	28
29	1.56	**	**	**	**	**	**	5.47	**	**	**	**	29
30	1.47	**	**	**		**	0.00	6.84	**	**	**	**	30
31	0.86		**	**		**		8.21		**	**		31
TOTAL	52.86	1.13*	**	**	**	**	0.00*	28.73	**	**	**	**	
MEAN	1.71	1.13*	**	**	**	**	0.00*	0.93	**	**	**	**	
AC-FT	104.85	2.24*	**	**	**	**	0.00*	56.99	**	**	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.

Jorgensen Ditch, East Fork New Fork River

Diversion Description: Diversion consists of a single 18" slide gate. No diversion dam exists.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 9, 31, 106

Conveyance Description: Open Channel Canal, approximately 3 miles in length.

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
12-11-1897	1687	Irrigation	789.00	11.27	11.27	
10-16-1901	730E	Irrigation	220.00	3.14	14.41	
02-14-1902	786E	Irrigation	155.00	2.21	16.62	
10-29-1921	4285E	Irrigation	156.00	2.23	18.85	

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 Cottonwood Creek above East Fork River.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Jorgensen Ditch, East Fork New Fork River, 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			7.84	466.51						
1989										
1990										
1991										
1992			17.61	1,047.87						
1993							83.11	5,110.12		
1994	27.53	1,692.75	21.51	1,279.93	12.67	779.05	1.40	86.08		
1995	11.35	697.88	21.84	1,299.57	21.68	1,333.05	4.39	269.93	1.27	75.57
1996										
1997										
1998										
Averages:	19.44	1,195.32	17.20	1,023.47	17.18	1,056.05	29.63	1,822.04	1.27	75.57

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.

Jorgensen Ditch, East Fork New Fork River, Diversion Data

Data:

1981: 7/6, 15 cfs.
1987: 5/14, 23.5 cfs; 7/14, off.
1988: 4/12, 0 cfs; 5/25, 0 cfs; 6/18, 8 cfs; 6/26, 10.1 cfs; 6/27, 16.6 cfs; 7/1, 14.2 cfs.
1989: 4/14, 3 cfs; 4/20, 0 cfs; 5/3, 8 cfs; 6/26, 10 cfs.
1990: 6/18, 15.0 cfs (est); 7/11, 8.0 cfs (est).
1992: 5/29, 20.00 cfs; 6/8, 15.00 cfs; 6/10, 18.00 cfs; 6/11, 18.50 cfs; 7/10, 17.00 cfs.
1993: 4/29, 5/3, off; 6/14, 37.80 cfs; 7/27, off; 9/2, 150 cfs.
1994: 5/3, 15.00 cfs; 5/23, 38.60 cfs; 6/19, 18.60 cfs; 6/20, 15.80 cfs; 7/18, 15.50 cfs; 8/4, off; 9/3, 3.00 cfs.
1995: 4/10, off; 4/18, 1.5 cfs (est); 4/26, 2.0 cfs; 5/24, 15.0 cfs; 6/26, 25.0 cfs; 7/6, 24.8 cfs; 7/17, 24 cfs; 8/16, 2.5 cfs; 8/30, off; 9/21, 3.5 cfs (est).
1996: 5/4, 2.0 cfs; 6/26, 27 cfs (est).
1997: 7/15, 12.1 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

King Number 2 Ditch, Silver Creek

Diversion Description: Diversion consists of two 36" slide gates.[1]

Diversion Location:

Source: Silver Creek, Trib. East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 24, 32, 107

Conveyance Description: Open Channel Canal, approximately 3 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
12-12-1907	8111	Domestic, Irrigation, Stock	1,148.49	16.40	16.40	

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 East Fork River at Cottonwood Creek.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

King Number 2 Ditch, Silver Creek, Diversion Data

Data:

1992: 6/25, 36.00 cfs; 7/10 30.00 cfs.
1994: 6/28, 26.0 cfs, 8/4. off; 9/15, 3.50 cfs.
1995: 4/10, off; 4/26, 7.0 cfs: 5/24, 12.5 cfs; 7/6, 30.0 cfs (est); 9/21, 3.5 cfs.
1996: 5/4, 3.5 cfs (est).
1997: 6/16, 50.8 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek

Diversion Description: Diversion consists of three 6' by 5' slide gates mounted on a concrete structure. A rock diversion dam exists.[1]

Diversion Location:

Source: Pine Creek, Trib. West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 28-34-109

Conveyance Description: Open Channel Canal, approximately 7 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
01-04-1898	1696	Irrigation	76.00	1.07	1.07	
12-01-1898	392E	Irrigation	245.00	3.50	4.57	
02-25-1901	626E	Irrigation	2,780.81	39.66	44.23	
08-05-1901	692E	Irrigation	58.00	0.82	45.05	
05-13-1909	2038E	Irrigation	122.00	1.74	46.79	
08-10-1934	4951E	Domestic, Irrigation, Stock			46.79	3,134.37 AF Secondary Supply from Fremont Lake Reservoir (4453R and 4465R) (910.00 acres served)
07-15-1949	5484E	Domestic, Irrigation, Stock	318.00	4.55	51.34	

Storage Rights: Fremont Lake Reservoir.

Estimated Canal Losses: No significant losses are experienced. In fact, minor gains are experienced from seepage of other ditches.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to West Fork New Fork River above Pole Creek.[2]

Other Operational Information: The canal is typically turned on the first of May and off the first of September.[1]

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek

Sources: 1) Paul Hagenstein, Pine Creek Ditch Association, Inc., Interview, May 4, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek, 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)
1974	*47.08*	*2,895.07*	*84.57*	*5,032.06*	*82.03*	*5,043.63*	*14.52*	*892.56*	*18.96*	*1,128.20*
1975			*52.94*	*3,149.91*	*73.28*	*4,505.81*	*34.78*	*2,138.80*	*22.30*	*1,327.00*
1976			*69.63*	*4,143.07*	*75.09*	*4,617.32*	*16.39*	*1,007.60*	*17.35*	*1,032.40*
1978	*25.48*	*1,566.94*	*75.44*	*4,489.19*	*81.42*	*5,006.28*	*18.55*	*1,140.50*	*12.83*	*763.64*
1980			19.00	1,130.58	14.63	899.56	43.60	2,680.86	9.30	553.39
1981			45.55	2,710.41	53.47	3,287.74	35.15	2,161.29		
1982			72.24	4,298.58	71.11	4,372.38	38.43	2,362.97		
1983			49.08	2,920.46	61.69	3,793.17	49.72	3,057.16		
1984			62.15	3,698.18	43.45	2,671.64				
1985	22.51	1,384.09	51.87	3,086.48	48.93	3,008.59	22.10	1,358.88		
1986										
1987	37.40	2,299.64	52.04	3,096.60	20.73	1,274.64				
1988					38.54	2,369.73				
1989										
1990			26.39	1,570.31						
1991			45.10	2,683.64						
1992	24.54	1,508.91	39.43	2,346.25	29.78	1,831.10	17.76	1,092.02	12.30	731.90
1993			50.90	3,028.76	52.86	3,250.23	15.44	949.37	9.44	561.72
1994	11.54	709.57	34.95	2,079.67	41.18	2,532.06	26.60	1,635.57	10.73	638.48
1995	24.86	1,528.58	35.52	2,113.59	28.84	1,773.30	14.16	870.66	9.16	545.06
1996	13.73	844.22	71.78	4,271.21	69.58	4,278.31				
1997			46.19	2,748.50	52.47	3,226.25				
1998							38.30	2,354.98		
Averages:	25.89	1,592.13	51.83	3,084.08	52.17	3,207.87	27.54	1,693.09	13.60	809.09

Data in italics from USGS gaging station 006050.00, see attached data sheets.
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.

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek, Diversion Data

Data:

1980: 5/16, 52 cfs. 5/28, off; 6/4, 9 cfs; 6/9, 32 cfs; 6/13, 62 cfs; 6/15, 51 cfs; 6/21, washed out; 7/18, turned on; 7/21, 32 cfs; 7/25, 36 cfs; 8/1, 41 cfs; 8/4, 41 cfs; 8/11, 36 cfs; 8/20, 55 cfs; 9/4, 32 cfs; 9/15, off; 9/17, off.

1981: 6/9, 44 cfs; 6/15, 52 cfs; 6/17, 62 cfs; 6/26, 74 cfs; 7/6, 60 cfs; 7/15, 52 cfs; 7/24, 53 cfs; 7/30, 41 cfs; 8/6, 40 cfs; 8/11, 38 cfs; 8/29, 39 cfs.

1982: 5/24, 56 cfs; 6/2, 63 cfs; 6/9, 55 cfs; 6/17, 80 cfs; 6/18, 86 cfs; 6/24, 86 cfs; 6/29, 75 cfs; 7/9, 75 cfs; 7/14, 75 cfs; 7/19, 75 cfs; 8/2, 55 cfs; 9/6, 15 cfs.

1983: 5/24, off; 5/31, 15 cfs; 6/22, 65 cfs; 6/27, 68 cfs; 7/5, 72 cfs; 7/11, 67 cfs; 7/19, 56 cfs; 7/27, 55 cfs; 8/19, 56 cfs; 9/6, 16 cfs.

1984: 5/21, 29 cfs; 5/30, 58 cfs; 6/9, 58 cfs; 6/12, 43 cfs; 6/18, 80 cfs; 6/27, 80 cfs; 7/9, 76 cfs; 7/16, 71 cfs; 7/23, 80 cfs; 10/4, 6 cfs.

1985: 5/13, off; 5/22, 46.9 cfs; 6/6, 52.2 cfs; 7/16, 51.5 cfs; 7/30, 42.5 cfs; 8/7, 40 cfs; 8/28, 23 cfs; 9/5, 19 cfs.

1987: 5/13, 37.3 cfs; 5/19, 69.9 cfs; 6/3, 57.3 cfs; 7/16, 39.8 cfs.

1988: 6/28, 62 cfs; 7/5, 54 cfs; 7/14, 44 cfs; 7/18, 33 cfs; 7/27, 23 cfs; 8/1, 26 cfs; 8/4, 25 cfs; 8/8, 30 cfs.

1990: 5/17, 48.5 cfs; 5/24, 57.3 cfs; 6/13, 22.2 cfs; 7/12, 22.1 cfs.

1991: 6/13, 70.2 cfs; 7/3, 81.25 cfs.

1992: 5/6, 0.00 cfs; 5/27, 50.00 cfs; 6/3, 42.00 cfs; 6/16, 40.00 cfs; 7/17, 30.00 cfs; 8/21, 15.00 cfs; 9/4, 15.00 cfs; 9/28, 12.00 cfs.

1993: 5/17, off; 5/28, 35.80 cfs; 7/5, 66.00 cfs; 7/7, 68.00 cfs; 8/16, 10.00 cfs; 8/23, 10.50 cfs; 9/20, 10.00 cfs; 9/23, 10.00 cfs; 9/25, 10.00 cfs; 9/29, 10.00 cfs.

1994: 5/2, 5/4, 5/9, 5/12, off; 5/24, 25.00 cfs; 6/14, 30.00 cfs; 6/16, 35.00 cfs; 6/24, 42.60 cfs; 7/6, 45.00 cfs; 7/20, 43.00 cfs; 8/1, 30.00 cfs; 8/11, 25.00 cfs; 8/22, 30.00 cfs; 9/8, 12.00 cfs; 9/20, 20.00 cfs; 9/21, 20.00 cfs.

1995: 4/3, 4/30, off; 5/1, 20 cfs; 5/7, 23.0 cfs; 5/13, 24.5 cfs; 5/25, 25.0 cfs; 6/3, 35.0 cfs; 6/9, 35.0 cfs; 6/24, 38.2 cfs; 7/1, 30 cfs (est); 7/31, 28.0 cfs; 8/2, 12.5 cfs (est); 8/24, 15.0 cfs; 9/5, 15.0 cfs; 9/22, 10.28 cfs.

1996: 5/10, off; 5/14, 4.5 cfs (est); 6/25, 91.5 cfs; 7/8, 95 cfs; 7/25, 45 cfs (est); 8/13, 40.0 cfs (est).

1997: 6/12, 90 cfs (est); 7/7, 45.1 cfs; 7/30, 70 cfs (est).

1998: 5/25, 36.75 cfs; 7/29, 53.1 cfs; 9/3, 24.3 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek, Diversion Data

LEE DITCH OR PINE CREEK NO 1 DITCH BY PINEDALE STATION NO. 006050.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
SW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7210.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	76.00	82.00	12.00	18.00	1
2	**	**	**	**	**	**	**	**	76.00	81.00	12.00	18.00	2
3	**	**	**	**	**	**	**	**	78.00	80.10	12.00	18.00	3
4	**	**	**	**	**	**	**	**	80.00	79.00	12.00	18.00	4
5	**	**	**	**	**	**	**	**	82.00	78.00	12.00	18.00	5
6	**	**	**	**	**	**	**	**	84.00	77.00	12.00	19.00	6
7	**	**	**	**	**	**	**	**	86.00	76.00	12.00	19.00	7
8	**	**	**	**	**	**	**	30.00	86.00	75.00	12.00	19.00	8
9	**	**	**	**	**	**	**	30.00	86.00	74.00	12.00	19.00	9
10	**	**	**	**	**	**	**	36.70	86.00	73.00	12.00	19.00	10
11	**	**	**	**	**	**	**	43.50	86.00	72.00	12.00	19.00	11
12	**	**	**	**	**	**	**	48.70	86.00	71.00	12.00	19.00	12
13	**	**	**	**	**	**	**	57.70	86.00	69.00	12.00	19.00	13
14	**	**	**	**	**	**	**	58.00	86.00	67.00	12.00	19.00	14
15	**	**	**	**	**	**	**	59.00	86.00	64.40	12.00	19.00	15
16	**	**	**	**	**	**	**	60.00	86.00	62.00	12.00	19.00	16
17	**	**	**	**	**	**	**	61.00	86.00	61.00	12.00	19.00	17
18	**	**	**	**	**	**	**	62.00	86.00	49.00	12.00	19.00	18
19	**	**	**	**	**	**	**	63.00	86.00	57.00	18.00	19.00	19
20	**	**	**	**	**	**	**	66.00	86.00	55.00	18.00	19.00	20
21	**	**	**	**	**	**	**	66.00	86.00	12.00	18.00	19.00	21
22	**	**	**	**	**	**	**	66.00	86.00	12.00	18.00	19.00	22
23	**	**	**	**	**	**	**	66.00	86.00	12.00	18.00	19.00	23
24	**	**	**	**	**	**	**	66.00	86.00	12.00	18.00	19.00	24
25	**	**	**	**	**	**	**	68.00	86.00	12.00	18.00	19.00	25
26	**	**	**	**	**	**	**	72.00	86.00	12.00	18.00	19.00	26
27	**	**	**	**	**	**	**	76.00	86.00	12.00	18.00	19.80	27
28	**	**	**	**	**	**	**	76.00	86.00	12.00	18.00	20.00	28
29	**	**	**	**		**	**	76.00	86.00	12.00	18.00	20.00	29
30	**	**	**	**		**	**	76.00	83.00	12.00	18.00	20.00	30
31	**		**	**		**		76.00		12.00	18.00		31
TOTAL	**	**	**	**	**	**	**	1459.60*	2537.00	1534.50	450.00	568.80	
MEAN	**	**	**	**	**	**	**	60.82*	84.57	49.50	14.52	18.96	
AC-FT	**	**	**	**	**	**	**	2895.07*	5032.06	3043.63	892.56	1128.20	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Lee Ditch / Pine Creek Number 1 Canal, Pine Creek, Diversion Data

LEE DITCH OR PINE CREEK NO 1 DITCH BY PINEDALE STATION NO. 006050.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
SW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7210.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	20.00	**	**	**	**	**	**	**	40.00	80.50	57.00	22.80	1
2	20.00	**	**	**	**	**	**	**	42.00	80.00	56.00	22.50	2
3	20.00	**	**	**	**	**	**	**	44.00	81.00	56.00	21.00	3
4	20.10	**	**	**	**	**	**	**	46.00	81.00	55.20	20.50	4
5	20.00	**	**	**	**	**	**	**	44.00	81.00	55.00	20.10	5
6	20.00	**	**	**	**	**	**	**	44.00	81.00	34.90	20.50	6
7	20.00	**	**	**	**	**	**	**	46.00	81.00	32.00	20.50	7
8	20.00	**	**	**	**	**	**	**	48.00	81.38	30.00	22.00	8
9	19.00	**	**	**	**	**	**	**	51.00	81.00	29.00	22.00	9
10	19.00	**	**	**	**	**	**	**	54.00	81.00	30.00	25.75	10
11	18.00	**	**	**	**	**	**	**	58.00	81.00	31.00	25.00	11
12	18.00	**	**	**	**	**	**	**	58.18	79.00	31.80	23.00	12
13	18.00	**	**	**	**	**	**	**	53.00	79.00	32.00	23.00	13
14	18.00	**	**	**	**	**	**	**	48.00	78.00	32.00	22.00	14
15	16.00	**	**	**	**	**	**	**	43.00	77.00	32.50	22.50	15
16	16.00	**	**	**	**	**	**	**	29.00	75.00	33.00	22.50	16
17	16.00	**	**	**	**	**	**	**	32.00	74.50	34.00	22.50	17
18	15.00	**	**	**	**	**	**	**	36.00	72.00	34.90	22.50	18
19	14.00	**	**	**	**	**	**	**	40.00	71.00	34.00	22.50	19
20	14.00	**	**	**	**	**	**	**	44.00	70.00	32.00	22.50	20
21	**	**	**	**	**	**	**	**	49.00	69.00	32.00	22.50	21
22	**	**	**	**	**	**	**	**	54.00	69.00	32.00	22.50	22
23	**	**	**	**	**	**	**	**	59.00	68.70	31.00	22.50	23
24	**	**	**	**	**	**	**	**	64.90	67.00	30.00	22.00	24
25	**	**	**	**	**	**	**	**	69.00	66.00	29.00	22.00	25
26	**	**	**	**	**	**	**	**	74.00	65.00	30.00	21.90	26
27	**	**	**	**	**	**	**	29.70	78.00	64.00	32.00	22.00	27
28	**	**	**	**	**	**	**	30.00	80.00	62.00	32.50	22.00	28
29	**	**	**	**		**	**	30.00	80.00	60.60	22.50	23.00	29
30	**	**	**	**		**	**	30.00	80.00	58.00	22.50	23.00	30
31	**		**	**		**		37.30		57.00	22.50		31
TOTAL	361.10*	**	**	**	**	**	**	157.00*	1588.08	2271.68	1078.30	669.05	
MEAN	18.06*	**	**	**	**	**	**	31.40*	52.94	73.28	34.78	22.30	
AC-FT	716.23*	**	**	**	**	**	**	311.40*	3149.91	4505.81	2138.78	1327.04	

** INDICATES MISSING DATA

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E INDICATES ESTIMATED VALUE

Green River Basin, Wyoming; Key Structures and Diversions
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Lee Ditch / Pine Creek Number 1 Canal, Pine Creek, Diversion Data

LEE DITCH OR PINE CREEK NO 1 DITCH BY PINEDALE STATION NO. 006050.00
LATITUDE 42-53-17 LONGITUDE 109-52-11
SW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7210.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	26.00	**	**	**	**	**	**	**	70.00	73.00	20.00	16.00	1
2	25.70	**	**	**	**	**	**	**	73.00	78.50	19.50	16.50	2
3	25.70	**	**	**	**	**	**	**	76.00	80.00	19.00	16.00	3
4	25.00	**	**	**	**	**	**	**	80.50	82.00	19.00	15.00	4
5	25.00	**	**	**	**	**	**	**	80.00	84.00	19.00	16.00	5
6	24.00	**	**	**	**	**	**	**	80.00	86.00	19.00	18.00	6
7	23.00	**	**	**	**	**	**	**	80.00	88.00	19.00	19.50	7
8	22.00	**	**	**	**	**	**	**	80.00	90.00	19.00	19.00	8
9	21.00	**	**	**	**	**	**	**	79.50	92.00	19.00	18.00	9
10	20.20	**	**	**	**	**	**	**	79.00	95.00	19.50	17.00	10
11	19.00	**	**	**	**	**	**	**	78.00	90.00	19.00	16.00	11
12	18.00	**	**	**	**	**	**	**	78.00	85.00	19.00	15.00	12
13	17.00	**	**	**	**	**	**	**	70.00	78.00	18.00	14.10	13
14	16.50	**	**	**	**	**	**	**	68.00	70.00	18.00	13.00	14
15	16.00	**	**	**	**	**	**	**	66.00	70.00	17.00	12.00	15
16	15.00	**	**	**	**	**	**	**	64.00	69.00	16.00	13.00	16
17	14.50	**	**	**	**	**	**	**	62.00	69.00	15.00	14.00	17
18	14.00	**	**	**	**	**	**	**	60.00	69.00	13.50	15.00	18
19	13.00	**	**	**	**	**	**	**	59.70	68.70	13.00	16.00	19
20	12.00	**	**	**	**	**	**	39.70	58.00	68.00	13.00	17.10	20
21	11.00	**	**	**	**	**	**	44.00	62.00	68.00	12.00	18.00	21
22	10.00	**	**	**	**	**	**	48.00	66.00	67.00	12.00	19.00	22
23	9.00	**	**	**	**	**	**	52.00	70.50	67.00	12.00	20.00	23
24	8.00	**	**	**	**	**	**	57.00	67.00	66.00	11.00	21.00	24
25	7.00	**	**	**	**	**	**	58.00	63.00	66.00	11.00	21.00	25
26	**	**	**	**	**	**	**	59.90	60.60	67.00	16.00	21.00	26
27	**	**	**	**	**	**	**	61.00	62.00	68.00	16.50	21.00	27
28	**	**	**	**	**	**	**	63.00	64.00	69.70	16.00	21.00	28
29	**	**	**	**	**	**	**	65.00	66.00	69.00	16.00	21.30	29
30	**	**	**	**		**	**	67.00	66.00	68.00	16.00	21.00	30
31	**		**	**		**		69.00		67.00	16.00		31
TOTAL	437.60*	**	**	**	**	**	**	683.60*	2088.80	2327.90	508.00	520.50	
MEAN	17.50*	**	**	**	**	**	**	56.97*	69.63	75.09	16.39	17.35	
AC-FT	867.97*	**	**	**	**	**	**	1355.90*	4143.07	4617.32	1007.60	1032.40	

** INDICATES MISSING DATA

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SW1/4SE1/4SE1/4 SECTION 28 TOWNSHIP 34 N,RANGE 109 W 6TH P.M.
ELEVATION 7210.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570500
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	17.00	**	**	**	**	**	**	**	51.00	79.00	40.00	6.00	1
2	17.00	**	**	**	**	**	**	**	51.00	85.00	39.00	6.00	2
3	17.00	**	**	**	**	**	**	**	51.00	86.00	38.00	6.00	3
4	17.00	**	**	**	**	**	**	**	51.00	86.00	37.00	6.00	4
5	17.00	**	**	**	**	**	**	**	51.30	86.00	35.00	6.00	5
6	17.00	**	**	**	**	**	**	**	51.00	86.00	34.00	6.00	6
7	17.00	**	**	**	**	**	**	**	56.00	86.00	33.00	6.00	7
8	17.00	**	**	**	**	**	**	**	61.00	86.00	31.00	7.00	8
9	17.00	**	**	**	**	**	**	22.00	66.00	86.00	29.00	8.00	9
10	17.00	**	**	**	**	**	**	22.00	71.00	86.00	27.00	9.00	10
11	17.00	**	**	**	**	**	**	23.00	76.00	86.00	25.00	10.00	11
12	17.00	**	**	**	**	**	**	24.00	81.00	86.00	23.00	11.00	12
13	17.00	**	**	**	**	**	**	25.00	87.00	86.00	21.00	12.00	13
14	17.00	**	**	**	**	**	**	26.00	87.00	86.00	19.00	12.00	14
15	17.00	**	**	**	**	**	**	27.00	87.00	86.00	17.00	12.00	15
16	17.00	**	**	**	**	**	**	28.00	87.00	86.00	15.00	12.00	16
17	17.00	**	**	**	**	**	**	29.00	87.00	86.00	13.00	12.00	17
18	17.00	**	**	**	**	**	**	30.00	87.00	86.00	12.00	12.00	18
19	17.00	**	**	**	**	**	**	31.00	87.00	86.00	11.00	13.00	19
20	18.00	**	**	**	**	**	**	32.00	87.00	84.00	9.00	13.00	20
21	18.00	**	**	**	**	**	**	33.00	87.00	84.00	7.00	13.00	21
22	18.00	**	**	**	**	**	**	35.00	87.00	82.00	6.00	14.00	22
23	18.00	**	**	**	**	**	**	37.00	87.00	80.00	6.00	16.00	23
24	18.00	**	**	**	**	**	**	39.00	87.00	78.00	6.00	18.00	24
25	18.00	**	**	**	**	**	**	41.00	87.00	76.00	6.00	20.00	25
26	18.00	**	**	**	**	**	**	43.00	87.00	74.00	6.00	22.00	26
27	18.00	**	**	**	**	**	**	45.00	85.00	72.00	6.00	23.00	27
28	18.00	**	**	**	**	**	**	47.00	83.00	70.00	6.00	24.00	28
29	17.00	**	**	**		**	**	49.00	81.00	68.00	6.00	25.00	29
30	17.00	**	**	**		**	**	51.00	79.00	66.00	6.00	25.00	30
31	**		**	**		**		51.00		64.00	6.00		31
TOTAL	519.00*	**	**	**	**	**	**	790.00*	2263.30	2524.00	575.00	385.00	
MEAN	17.30*	**	**	**	**	**	**	34.35*	75.44	81.42	18.55	12.83	
AC-FT	1029.42*	**	**	**	**	**	**	1566.94*	4489.19	5006.28	1140.50	763.64	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000

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

Overland Ditch, East Fork New Fork River

Diversion Description: Diversion consists of a single 40" by 40" slide gate mounted on a concrete structure.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 12, 31, 106

Conveyance Description: Open Channel Canal, approximately 6½ miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
09-03-1906	1617E	Irrigation	1,485.00	21.19	21.19	

Storage Rights: None.

Estimated Canal Losses: Typical losses (10%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to Muddy Creek above East Fork River.[2]

Other Operational Information: The canal is typically turned on the first of May and off in mid-July.[1]

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Overland Ditch, East Fork New Fork River, 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	16.55	1,017.62	44.27	2,634.25	31.45	1,933.79				
1981	21.22	1,304.77	48.93	2,911.54	8.60	528.79				
1982	13.10	805.49	52.18	3,104.93	46.17	2,838.88	7.08	435.33	12.51	744.40
1983			47.70	2,838.35	51.34	3,156.77				
1984			45.61	2,713.98	55.35	3,403.34				
1985					10.32	634.55	0.00	0.00	0.00	0.00
1986									0.56	33.59
1987										
1988			39.08	2,325.42						
1989					4.10	252.02				
1990										
1991										
1992	40.37	2,482.25								
1993										
0.72	42.84	2,215.40	45.04	2,680.07	29.38	1,806.51	6.35	390.45		
1995	14.11	867.59	30.15	1,794.05	33.13	2,037.08	15.47	951.21	4.20	249.92
1996										
1997										
1998										
Averages:	23.56	1,448.85	44.12	2,625.32	32.66	2,007.87	7.23	444.25	5.76	342.64

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.

Overland Ditch, East Fork New Fork River, Diversion Data

Data:

1980: 4/30, on - 6 cfs; 5/6, 12 cfs; 5/12, 11 cfs; 5/21, 12 cfs, 5/29, 40 cfs; 6/3, 30 cfs; 6/11, 51 cfs; 6/23, 45 cfs; 6/30, 59 cfs; 7/9, 51 cfs; 7/15, 44 cfs; 7/21, off.
1981: 4/24, 6 cfs; 5/8, 14 cfs; 5/14, 12 cfs; 5/27,38 cfs; 6/10, 54 cfs; 6/17, 44 cfs; 7/6, 44 cfs; 7/7, 15 cfs; 7/11, off.
1982: 5/14, 9 cfs; 6/3, 44 cfs; 6/18, 51 cfs; 6/23, 65 cfs; 7/2, 59 cfs; 7/8, 60 cfs; 7/16, 57 cfs; 7/23, 25 cfs; 8/3, off; 9/22, 13 cfs; 10/5, 7 cfs.
1983: 5/17, off; 5/24, 11 cfs; 6/7, 34 cfs; 6/17, 42 cfs; 6/24, 55 cfs; 6/29, 51 cfs; 7/6, 52 cfs; 7/12, 51 cfs; 7/19, off; 7/27, off.
1984: 5/18, off; 5/22, 11 cfs; 6/1, 45 cfs; 6/9, 40 cfs; 6/12, 43 cfs; 6/29, 52 cfs; 7/6, 66 cfs; 7/16, 42 cfs; 9/25, off.
1985: 7/6, 40 cfs; 7/15, off; 7/31, off; 8/6, off; 8/14, off; 9/5, off.
1986: 6/26, 55.4; 9/9, off; 9/23, 2.5 cfs (est.).
1987: 5/14, 62.7 cfs; 7/14, off.
1988: 4/12, 0; 5/25, 55.5 cfs; 6/26, 32.3 cfs; 7/1, 6.8.
1989: 4/14, 0 cfs; 5/3, 20 cfs; 5/13, 30 cfs; 6/26, 30 cfs; 7/13, 0 cfs; 8/3, 0 cfs.
1990: 7/11, 25.0 cfs (est).
1991: 7/11, 42.0 cfs.
1992: 5/6, 60.00 cfs; 5/29, 45.00 cfs; 6/8, 35.00 cfs; 6/9, 34.5 cfs; 6/10, 25.00 cfs; 6/11, 25.8 cfs.
1993: 6/18, 53.8 cfs; 7/27, off; 9/2, 2.00 cfs.
1994: 5/3, off; 5/23, 63.00 cfs; 6/19, 48.60 cfs; 6/20, 28.10 cfs; 7/18, 35.00 cfs; 8/4, 8.00 cfs; 9/15, off.
1995: 4/10, off; 4/18, off; 4/26, off; 5/24, 20.6 cfs; 6/26, 35.0 cfs; 7/6, 36.6 cfs; 7/17, 35 cfs (est); 8/16, 12.5 cfs (est.); 8/30, 12 cfs (est); 9/21, off.
1996: 5/4, 12.0 cfs (est.); 6/26, 68.0 cfs (arrive), 1.48 cfs (depart).
1997: 5/27, 28 cfs (est); 9/4, 6.0 cfs (est).

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Overland Ditch, Green River

Diversion Description: Information not available at time of report.

Diversion Location:

Source: Green River
Section, Township, Range: 8, 31, 110

Conveyance Description: Open Channel Canal, approximately 4 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
10-15-1897	1625	Irrigation	14.00	0.20	0.20	POD/MOC change from a portion of Hill Ditch
09-18-1899	2274	Irrigation	432.00	6.17	6.37	POD/MOC change from Harman Ditch
07-08-1911	10930	Domestic, Irrigation	498.33	7.12	13.49	
12-01-1911	2583E	Domestic, Irrigation	521.78	7.44	20.93	POD/MOC change from a portion of Hill Ditch
05-07-1971	6424E	Irrigation	211.63	3.03	23.96	

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 Green River at New Fork River.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Overland Ditch, Green River, 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)
1975			*38.82*	*2,310.15*	*55.55*	*3,415.59*				
1976	*13.77*	*846.74*	*52.40*	*3,118.01*	*42.94*	*2,640.40*				
1978			*56.77*	*3,377.85*	*44.48*	*2,735.21*				
1980										
1981										
1982										
1983										
1984										
1985										
1986										
1987										
1988										
1989										
1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
Averages:	13.77	846.74	49.33	2,935.34	47.66	2,930.40				

Data in italics from USGS gaging station 006120.00, see attached data sheets. 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.

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

Overland Ditch, Green River, Diversion Data

OVERLAND DITCH STATION NO. 006120.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	40.00	40.00	32.00	**	1
2	**	**	**	**	**	**	**	**	43.00	40.00	32.00	**	2
3	**	**	**	**	**	**	**	**	43.00	68.00	30.00	**	3
4	**	**	**	**	**	**	**	**	40.00	68.00	25.00	**	4
5	**	**	**	**	**	**	**	**	35.00	68.00	20.00	**	5
6	**	**	**	**	**	**	**	**	35.00	68.00	15.00	**	6
7	**	**	**	**	**	**	**	**	30.00	68.00	**	**	7
8	**	**	**	**	**	**	**	**	30.00	68.60	**	**	8
9	**	**	**	**	**	**	**	**	25.00	68.00	**	**	9
10	**	**	**	**	**	**	**	**	25.00	69.00	**	**	10
11	**	**	**	**	**	**	**	**	20.00	69.00	**	**	11
12	**	**	**	**	**	**	**	**	20.00	69.00	**	**	12
13	**	**	**	**	**	**	**	**	20.70	69.00	**	**	13
14	**	**	**	**	**	**	**	**	20.00	69.00	**	**	14
15	**	**	**	**	**	**	**	**	25.00	69.00	**	**	15
16	**	**	**	**	**	**	**	**	35.00	69.00	**	**	16
17	**	**	**	**	**	**	**	**	44.50	69.00	**	**	17
18	**	**	**	**	**	**	**	**	45.00	69.00	**	**	18
19	**	**	**	**	**	**	**	**	46.00	65.00	**	**	19
20	**	**	**	**	**	**	**	**	47.00	60.00	**	**	20
21	**	**	**	**	**	**	**	**	48.00	55.00	**	**	21
22	**	**	**	**	**	**	**	**	49.00	50.00	**	**	22
23	**	**	**	**	**	**	**	**	50.00	45.00	**	**	23
24	**	**	**	**	**	**	**	**	51.00	35.50	**	**	24
25	**	**	**	**	**	**	**	**	52.50	35.00	**	**	25
26	**	**	**	**	**	**	**	**	53.00	34.00	**	**	26
27	**	**	**	**	**	**	**	**	54.00	33.00	**	**	27
28	**	**	**	**	**	**	**	**	50.00	33.00	**	**	28
29	**	**	**	**		**	**	**	46.00	33.00	**	**	29
30	**	**	**	**		**	**	**	42.00	33.00	**	**	30
31	**		**	**		**		**		32.93	**		31
TOTAL	**	**	**	**	**	**	**	**	1164.70	1722.03	154.00*	**	
MEAN	**	**	**	**	**	**	**	**	38.82	55.55	25.67*	**	
AC-FT	**	**	**	**	**	**	**	**	2310.15	3415.59	305.45*	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Overland Ditch, Green River, Diversion Data

OVERLAND DITCH STATION NO. 006120.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	51.00	64.00	**	**	1
2	**	**	**	**	**	**	**	**	53.00	64.00	**	**	2
3	**	**	**	**	**	**	**	**	53.00	64.00	**	**	3
4	**	**	**	**	**	**	**	**	53.00	63.00	**	**	4
5	**	**	**	**	**	**	**	**	53.00	63.00	**	**	5
6	**	**	**	**	**	**	**	13.00	55.00	61.00	**	**	6
7	**	**	**	**	**	**	**	13.00	55.00	61.00	**	**	7
8	**	**	**	**	**	**	**	13.00	55.00	59.00	**	**	8
9	**	**	**	**	**	**	**	12.00	55.00	57.00	**	**	9
10	**	**	**	**	**	**	**	12.00	55.00	55.00	**	**	10
11	**	**	**	**	**	**	**	11.00	55.00	53.00	**	**	11
12	**	**	**	**	**	**	**	10.00	55.00	51.00	**	**	12
13	**	**	**	**	**	**	**	9.00	40.00	49.00	**	**	13
14	**	**	**	**	**	**	**	9.00	40.00	47.00	**	**	14
15	**	**	**	**	**	**	**	8.00	40.00	45.00	**	**	15
16	**	**	**	**	**	**	**	7.00	40.00	42.70	**	**	16
17	**	**	**	**	**	**	**	6.00	40.00	43.00	**	**	17
18	**	**	**	**	**	**	**	4.00	40.00	43.00	**	**	18
19	**	**	**	**	**	**	**	4.00	40.00	43.00	**	**	19
20	**	**	**	**	**	**	**	3.00	45.00	44.50	**	**	20
21	**	**	**	**	**	**	**	3.00	50.00	43.00	**	**	21
22	**	**	**	**	**	**	**	4.00	55.00	41.00	**	**	22
23	**	**	**	**	**	**	**	5.00	55.00	39.00	**	**	23
24	**	**	**	**	**	**	**	6.00	58.00	37.00	**	**	24
25	**	**	**	**	**	**	**	7.00	61.00	35.00	**	**	25
26	**	**	**	**	**	**	**	42.00	64.00	33.00	**	**	26
27	**	**	**	**	**	**	**	41.90	64.00	31.00	**	**	27
28	**	**	**	**	**	**	**	43.00	64.00	**	**	**	28
29	**	**	**	**	**	**	**	45.00	64.00	**	**	**	29
30	**	**	**	**		**	**	47.00	64.00	**	**	**	30
31	**		**	**		**		49.00		**	**		31
TOTAL	**	**	**	**	**	**	**	426.90*	1572.00	1331.20*	**	**	
MEAN	**	**	**	**	**	**	**	16.42*	52.40	49.30*	**	**	
AC-FT	**	**	**	**	**	**	**	846.74*	3118.01	2640.40*	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Overland Ditch, Green River, Diversion Data

OVERLAND DITCH STATION NO. 006120.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	46.00	63.00	**	**	1
2	**	**	**	**	**	**	**	**	44.00	52.00	**	**	2
3	**	**	**	**	**	**	**	**	46.00	52.00	**	**	3
4	**	**	**	**	**	**	**	**	48.00	52.00	**	**	4
5	**	**	**	**	**	**	**	**	50.00	58.00	**	**	5
6	**	**	**	**	**	**	**	**	52.00	52.00	**	**	6
7	**	**	**	**	**	**	**	**	54.00	52.00	**	**	7
8	**	**	**	**	**	**	**	**	56.00	63.00	**	**	8
9	**	**	**	**	**	**	**	**	56.00	63.00	**	**	9
10	**	**	**	**	**	**	**	**	56.00	61.00	**	**	10
11	**	**	**	**	**	**	**	**	56.00	59.00	**	**	11
12	**	**	**	**	**	**	**	**	56.00	57.00	**	**	12
13	**	**	**	**	**	**	**	**	56.00	54.00	**	**	13
14	**	**	**	**	**	**	**	**	56.00	53.00	**	**	14
15	**	**	**	**	**	**	**	**	58.00	53.00	**	**	15
16	**	**	**	**	**	**	**	**	59.00	53.00	**	**	16
17	**	**	**	**	**	**	**	**	59.00	52.00	**	**	17
18	**	**	**	**	**	**	**	**	59.00	51.00	**	**	18
19	**	**	**	**	**	**	**	**	59.00	50.00	**	**	19
20	**	**	**	**	**	**	**	25.00	59.00	49.00	**	**	20
21	**	**	**	**	**	**	**	27.00	59.00	49.00	**	**	21
22	**	**	**	**	**	**	**	30.00	59.00	48.00	**	**	22
23	**	**	**	**	**	**	**	35.00	59.00	48.00	**	**	23
24	**	**	**	**	**	**	**	40.00	63.00	47.00	**	**	24
25	**	**	**	**	**	**	**	40.00	63.00	45.00	**	**	25
26	**	**	**	**	**	**	**	42.00	63.00	43.00	**	**	26
27	**	**	**	**	**	**	**	44.00	63.00	**	**	**	27
28	**	**	**	**	**	**	**	46.00	63.00	**	**	**	28
29	**	**	**	**		**	**	48.00	63.00	**	**	**	29
30	**	**	**	**		**	**	50.00	63.00	**	**	**	30
31	**		**	**		**		48.00		**	**		31
TOTAL	**	**	**	**	**	**	**	475.00*	1703.00	1379.00*	**	**	
MEAN	**	**	**	**	**	**	**	39.58*	56.77	53.04*	**	**	
AC-FT	**	**	**	**	**	**	**	942.15*	3377.85	2735.21*	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Paradise Canal, West Fork New Fork River

Diversion Description: Information not available at time of report.

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 1, 32, 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
09-30-1952	21100	Domestic, Irrigation, Stock	1,705.00	24.36	24.36	
06-22-1954	5801E	Irrigation	72.00	1.04	25.40	
11-19-1974	6562E	Irrigation, Stock	16.00	0.28	25.68	
11-19-1974	6564E	Irrigation	145.00	2.07	27.75	
11-19-1974	6572E	Irrigation, Stock	80.00	1.19	28.94	

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: Approximately 40% of the return flows are delivered to West Fork New Fork River near New Fork, approximately 40% to New Fork River near Bertram Ditch, and approximately 20% to New Fork River near Big Piney.[1]

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

Sources: 1) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Paradise Canal, West Fork New Fork River, 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)
1975	*38.53*	*2,368.90*	*88.13*	*5,244.29*	*72.30*	*4,445.75*	*56.78*	*3,491.10*	*30.88*	*1,837.70*
1976	*13.96*	*858.21*	*85.60*	*5,093.47*	*73.95*	*4,546.91*	*49.95*	*3,071.40*	*34.17*	*2,033.10*
1978			*73.27*	*4,359.67*	*67.16*	*4,129.58*	*57.84*	*3,556.40*	*31.47*	*1,872.40*
1980	15.07	926.62	75.01	4,463.40	99.23	6,101.41	75.50	4,642.31	39.57	2,354.58
1981	34.27	2,107.18	112.10	6,670.41	101.72	6,254.52	55.30	3,400.26	38.00	2,261.16
1982			100.78	5,996.83	88.06	5,414.60	34.47	2,119.48	34.28	2,039.80
1983			81.08	4,824.60	66.79	4,106.76	21.76	1,337.97		
1984			55.95	3,329.26	60.06	3,692.95	33.34	2,050.00		
1985	36.59	2,249.83	77.59	4,616.93	36.73	2,258.44	19.73	1,213.15		
1986										
1987	50.81	3,123.97	61.11	3,636.30						
1988										
1989					40.73	2,504.13	14.53	893.55		
1990										
1991										
1992										
1993										
1994							22.23	1,366.87		
1995										
1996					67.69	4,162.10	59.66	3,668.35	26.62	1,584.00
1997	43.72	2,688.24	88.24	5,250.64	73.14	4,497.20	48.72	2,995.68	26.76	1,592.33
1998	31.22	1,919.64	79.78	4,747.24	68.35	4,202.68	39.27	2,414.62	27.02	1,607.80
Averages:	33.02	2,030.32	81.55	4,852.75	70.45	4,332.08	42.08	2,587.22	32.09	1,909.21

Data in italics from USGS gaging station 006020.00, see attached data sheets.
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.

Paradise Canal, West Fork New Fork River, Diversion Data

Data:

1980: 5/15, 25 cfs; 5/27, 27 cfs; 6/4, 40 cfs; 6/10, 69 cfs; 6/18, 80 cfs; 6/27, 100 cfs; 7/9, 107 cfs; 7/15, 107 cfs; 7/29, 85 cfs; 8/21, 74 cfs; 9/22, 48 cfs.

1981: 5/15, 44 cfs; 6/1, 81 cfs; 6/9, 120 cfs; 6/25, 114 cfs; 7/7, 116 Cfs; 7/20, 101 cfs; 8/4, 64 cfs; 8/11, 58 cfs; 8/27, 48 cfs; 9/28, 38 cfs.

1982: 5/24, 20 cfs (est); 6/2, 40 cfs; 6/7, 81 cfs; 6/18, 125 cfs; 6/28, 115cfs; 7/9, 125 cfs; 7/16, 120 cfs; 7/23, 43 cfs; 8/5, 25 cfs; 8/27, 43 cfs; 10/5, 26 cfs.

1983: 5/24, off; 6/1, 10 cfs (est); 6/3, 50 cfs; 6/7, 50 cfs; 6/19, 95 cfs; 6/24, 125 cfs; 7/5, 70 cfs; 7/11, 88 cfs; 7;1 9, 65 cfs; 7/27, 50 cfs; 8/22, 20 cfs.

1984: 5/17, off; 6/1, 72; 6/9, 53 cfs; 6/12, 47 cfs; 6/27, 57 cfs; 7/6, 80 cfs; 7/20, 55 cfs; 7/30, 39 cfs; 8/24, 50 cfs.

1985: 5/13, 45.1 cfs; 6/7, 83.5 cfs; 6/27, 74.0 cfs; 7/18, 30.0 cfs; 7/30, 17.5 cfs; 8/6, 38.0 cfs; 8/13, 34.5 cfs; 8/21, 4.5 cfs; 8/27, 3 cfs; 9/5, 11 cfs; 10/25, off.

1986: 6/17, 128.8 cfs; 9/2, 17 cfs.

1987: 5/11, 79 cfs; 6/1, 71 cfs; 7/13, 43.3 cfs; 8/26, 39 cfs.

1989: 4/14, 12.5 cfs; 7/7, 70 cfs; 8/1, 31 cfs; 8/18, 22 cfs.

1990: 7/13, 42.8 cfs.

1994: 5/13, off; 7/29, 48.20 cfs; 8/15, 15.40 cfs; 9/7, 19.00 cfs.

1996: 5/2, 10.0 cfs (est); 7/1, 100 cfs (est); 7/15, 65 cfs (est); 8/1, 46 cfs (est); 8/15, 70.0 cfs (est); 9/20, 32 cfs (est).

1997-1998: Data Recorder Installed. See Attached Sheets.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Paradise Canal, West Fork New Fork River, Diversion Data

	1997				
	May	June	July	Aug.	Sept.
1		76.0	97.9	65.7	30.0
2		79.7	99.1	64.9	30.0
3		71.5	96.7	64.9	30.0
4		77.8	88.9	61.9	29.6
5		82.7	89.9	66.5	29.3
6		86.8	81.7	64.9	28.6
7	9.0	81.7	97.9	63.4	28.6
8	9.2	85.7	109	63.4	28.6
9	9.4	85.7	132	62.6	28.2
10	9.6	86.8	100	64.2	27.9
11	9.2	97.9	62.6	64.2	29.5
12	10.6	83.7	64.9	54.2	31.9
13	11.3	85.7	69.0	50.4	30.4
14	10.6	82.7	64.2	45.8	28.9
15	11.6	82.7	62.6	46.3	28.2
16	21.1	80.7	61.9	44.7	29.3
17	37.3	79.7	64.2	44.1	28.6
18	31.1	78.8	61.1	43.6	28.2
19	49.8	81.7	76.9	43.1	27.9
20	62.6	85.7	74.2	42.1	21.7
21	69.0	88.9	64.9	41.6	22.5
22	74.2	86.8	61.1	42.1	23.9
23	77.8	89.9	63.4	43.6	23.3
24	72.4	109	64.9	38.6	23.0
25	70.7	108	62.6	33.4	23.0
26	68.1	107	49.8	33.0	23.0
27	64.2	103	50.4	31.9	22.7
28	72.4	103	49.2	32.6	22.5
29	75.1	100	49.2	31.5	22.2
30	77.8	97.9	48.6	30.7	21.4
31	78.8		48.6	30.4	
CFS days	1,092.90	2,647.20	2,267.40	1,510.30	802.90
Average (cfs)	35.25	88.24	73.14	48.72	26.76
	1998				

Paradise Canal, West Fork New Fork River, Diversion Data

	May	June	July	Aug.	Sept.
1	1.0	78.9	81.2	38.3	37.5
2	1.0	87.0	81.4	37.9	35.3
3	1.0	87.0	81.6	37.9	34.2
4	4.2	67.2	81.6	32.4	32.1
5	16.5	54.7	78.3	26.6	30.7
6	17.0	77.0	87.0	37.5	29.7
7	7.4	77.0	84.9	44.9	29.4
8	6.7	73.2	88.4	44.5	28.1
9	12.5	74.4	81.6	42.7	28.1
10	11.7	71.4	73.8	41.5	28.4
11	11.7	78.9	73.8	41.1	27.8
12	14.0	77.6	73.8	39.9	27.2
13	20.3	75.1	72.0	39.1	28.1
14	19.5	76.3	71.4	38.7	27.8
15	19.5	80.9	69.6	38.7	26.0
16	19.0	89.8	68.4	38.3	25.4
17	19.0	91.3	66.6	40.7	25.1
18	19.0	89.1	68.4	45.3	24.2
19	20.3	82.2	72.6	44.9	24.0
20	36.4	78.3	70.2	42.3	23.7
21	37.5	77.0	69.0	39.9	24.0
22	37.5	75.7	65.5	35.3	24.2
23	37.5	82.9	63.2	30.0	24.2
24	37.5	93.5	63.8	34.9	24.0
25	42.3	90.6	63.8	39.1	24.0
26	71.4	82.9	60.5	42.7	24.0
27	76.3	80.9	43.6	41.9	23.7
28	81.6	80.9	41.9	41.1	23.5
29	82.9	80.9	41.1	41.1	23.3
30	96.4	80.9	40.7	39.9	23.0
31	89.1		39.1	39.3	
CFS days	967.70	2,393.50	2,118.80	1,218.40	810.70
Average (cfs)	31.22	79.78	68.35	39.30	27.02

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

Paradise Canal, West Fork New Fork River, Diversion Data

PARADISE CANAL 2.5 MILES BELOW HEADGATE STATION NO. 006020.00
LATITUDE 42-44-35 LONGITUDE 109-44-32
SE1/4NE1/4NW1/4 SECTION 17 TOWNSHIP 32 N,RANGE 108 W 6TH P.M.
ELEVATION 7000.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570000
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	15.00	80.00	87.00	69.00	40.00	1
2	**	**	**	**	**	**	**	15.00	81.00	86.00	69.00	40.00	2
3	**	**	**	**	**	**	**	15.00	82.00	85.00	68.00	39.00	3
4	**	**	**	**	**	**	**	15.00	84.00	84.00	68.00	39.00	4
5	**	**	**	**	**	**	**	15.00	86.00	83.00	67.10	38.00	5
6	**	**	**	**	**	**	**	15.20	87.00	82.00	67.00	38.00	6
7	**	**	**	**	**	**	**	21.50	89.00	81.00	67.00	38.00	7
8	**	**	**	**	**	**	**	27.50	90.00	80.00	66.00	38.00	8
9	**	**	**	**	**	**	**	33.00	90.00	79.00	66.00	37.00	9
10	**	**	**	**	**	**	**	39.00	90.00	78.00	65.00	37.00	10
11	**	**	**	**	**	**	**	39.50	90.00	77.00	64.00	36.00	11
12	**	**	**	**	**	**	**	39.50	90.00	76.00	63.00	35.00	12
13	**	**	**	**	**	**	**	39.50	90.00	75.00	62.00	34.00	13
14	**	**	**	**	**	**	**	39.50	90.00	74.00	61.00	33.00	14
15	**	**	**	**	**	**	**	39.50	90.00	73.00	60.00	32.00	15
16	**	**	**	**	**	**	**	39.50	90.00	72.00	59.00	31.00	16
17	**	**	**	**	**	**	**	39.80	90.00	72.00	59.00	30.00	17
18	**	**	**	**	**	**	**	40.00	90.00	71.00	58.00	29.00	18
19	**	**	**	**	**	**	**	41.50	90.00	70.00	57.00	29.00	19
20	**	**	**	**	**	**	**	41.70	90.00	69.00	55.00	28.00	20
21	**	**	**	**	**	**	**	42.50	90.00	68.00	53.00	27.00	21
22	**	**	**	**	**	**	**	43.00	89.00	66.00	51.00	26.00	22
23	**	**	**	**	**	**	**	43.00	89.00	65.00	49.00	25.00	23
24	**	**	**	**	**	**	**	43.00	89.00	64.00	47.00	24.00	24
25	**	**	**	**	**	**	**	44.00	88.00	63.00	45.00	23.00	25
26	**	**	**	**	**	**	**	45.50	88.00	62.00	43.00	22.00	26
27	**	**	**	**	**	**	**	49.00	88.00	61.40	41.00	21.50	27
28	**	**	**	**	**	**	**	49.00	88.00	61.00	41.00	20.00	28
29	**	**	**	**		**	**	64.50	88.00	60.00	40.00	19.00	29
30	**	**	**	**		**	**	79.60	88.00	59.00	40.00	18.00	30
31	**		**	**		**		80.00		58.00	40.00		31
TOTAL	**	**	**	**	**	**	**	1194.30	2644.00	2241.40	1760.10	926.50	
MEAN	**	**	**	**	**	**	**	38.53	88.13	72.30	56.78	30.88	
AC-FT	**	**	**	**	**	**	**	2368.86	5244.29	4445.75	3491.11	1837.68	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Paradise Canal, West Fork New Fork River, Diversion Data

PARADISE CANAL 2.5 MILES BELOW HEADGATE STATION NO. 006020.00
LATITUDE 42-44-35 LONGITUDE 109-44-32
SE1/4NE1/4NW1/4 SECTION 17 TOWNSHIP 32 N,RANGE 108 W 6TH P.M.
ELEVATION 7000.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570000
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	68.00	92.00	56.00	40.00	1
2	**	**	**	**	**	**	**	**	74.00	95.00	52.00	39.00	2
3	**	**	**	**	**	**	**	**	78.00	95.00	48.00	38.50	3
4	**	**	**	**	**	**	**	**	**	91.00	44.00	38.00	4
5	**	**	**	**	**	**	**	**	83.96	88.00	40.00	37.00	5
6	**	**	**	**	**	**	**	**	85.00	85.00	36.00	37.00	6
7	**	**	**	**	**	**	**	**	87.00	82.00	36.00	36.00	7
8	**	**	**	**	**	**	**	**	90.00	80.00	36.00	35.50	8
9	**	**	**	**	**	**	**	**	90.00	80.00	36.00	35.00	9
10	**	**	**	**	**	**	**	**	90.00	79.00	36.00	35.00	10
11	**	**	**	**	**	**	**	**	90.00	78.00	61.50	34.00	11
12	**	**	**	**	**	**	**	**	90.00	77.00	61.00	33.00	12
13	**	**	**	**	**	**	**	**	85.00	76.00	61.00	33.00	13
14	**	**	**	**	**	**	**	**	80.00	75.00	61.00	32.00	14
15	**	**	**	**	**	**	**	**	75.00	74.00	61.00	31.00	15
16	**	**	**	**	**	**	**	8.00	80.00	73.00	60.00	30.00	16
17	**	**	**	**	**	**	**	8.25	85.00	72.00	60.00	30.00	17
18	**	**	**	**	**	**	**	9.00	90.00	69.00	59.00	31.00	18
19	**	**	**	**	**	**	**	9.00	95.00	67.00	58.00	31.00	19
20	**	**	**	**	**	**	**	10.00	96.00	64.40	57.00	32.00	20
21	**	**	**	**	**	**	**	12.00	97.00	64.00	56.00	32.00	21
22	**	**	**	**	**	**	**	14.00	98.00	64.00	55.00	33.00	22
23	**	**	**	**	**	**	**	18.00	99.00	64.00	54.00	34.00	23
24	**	**	**	**	**	**	**	22.00	100.00	64.00	52.00	35.00	24
25	**	**	**	**	**	**	**	28.00	100.00	64.00	50.00	35.00	25
26	**	**	**	**	**	**	**	34.43	98.00	64.00	48.00	35.00	26
27	**	**	**	**	**	**	**	40.00	95.00	64.00	46.00	34.00	27
28	**	**	**	**	**	**	**	46.00	91.00	64.00	44.00	34.00	28
29	**	**	**	**	**	**	**	52.00	88.00	64.00	42.00	33.00	29
30	**	**	**	**		**	**	58.00	90.00	64.00	42.00	32.00	30
31	**		**	**		**		64.00		60.00	40.00		31
TOTAL	**	**	**	**	**	**	**	432.68*	2567.96*	2292.40	1548.50	1025.00	
MEAN	**	**	**	**	**	**	**	27.04*	88.55*	73.95	49.95	34.17	
AC-FT	**	**	**	**	**	**	**	858.21*	5093.47*	4546.91	3071.40	2033.06	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Paradise Canal, West Fork New Fork River, Diversion Data

PARADISE CANAL 2.5 MILES BELOW HEADGATE STATION NO. 006020.00
LATITUDE 42-44-35 LONGITUDE 109-44-32
SE1/4NE1/4NW1/4 SECTION 17 TOWNSHIP 32 N,RANGE 108 W 6TH P.M.
ELEVATION 7000.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570000
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	72.00	76.00	72.00	38.00	1
2	**	**	**	**	**	**	**	**	72.00	76.00	72.00	38.00	2
3	**	**	**	**	**	**	**	**	72.00	76.00	71.00	38.00	3
4	**	**	**	**	**	**	**	**	72.00	75.00	70.00	37.00	4
5	**	**	**	**	**	**	**	**	72.00	75.00	69.00	37.00	5
6	**	**	**	**	**	**	**	**	72.00	74.00	67.00	37.00	6
7	**	**	**	**	**	**	**	**	72.00	74.00	65.00	36.00	7
8	**	**	**	**	**	**	**	**	72.00	73.00	63.00	36.00	8
9	**	**	**	**	**	**	**	**	72.00	73.00	61.00	36.00	9
10	**	**	**	**	**	**	**	**	72.00	72.00	59.00	36.00	10
11	**	**	**	**	**	**	**	**	72.00	72.00	57.00	36.00	11
12	**	**	**	**	**	**	**	**	72.00	71.00	55.00	36.00	12
13	**	**	**	**	**	**	**	**	72.00	71.00	53.00	36.00	13
14	**	**	**	**	**	**	**	**	72.00	70.00	51.00	36.00	14
15	**	**	**	**	**	**	**	**	72.00	69.00	68.00	35.00	15
16	**	**	**	**	**	**	**	**	72.00	68.00	66.00	35.00	16
17	**	**	**	**	**	**	**	**	72.00	67.00	64.00	35.00	17
18	**	**	**	**	**	**	**	25.00	72.00	66.00	62.00	34.00	18
19	**	**	**	**	**	**	**	25.00	72.00	65.00	60.00	34.00	19
20	**	**	**	**	**	**	**	35.00	73.00	64.00	58.00	34.00	20
21	**	**	**	**	**	**	**	35.00	74.00	63.00	56.00	34.00	21
22	**	**	**	**	**	**	**	50.00	75.00	62.00	54.00	34.00	22
23	**	**	**	**	**	**	**	50.00	76.00	62.00	53.00	34.00	23
24	**	**	**	**	**	**	**	70.00	76.00	61.00	52.00	32.00	24
25	**	**	**	**	**	**	**	72.00	76.00	61.00	51.00	30.00	25
26	**	**	**	**	**	**	**	72.00	76.00	60.00	49.00	28.00	26
27	**	**	**	**	**	**	**	72.00	76.00	59.00	47.00	8.00	27
28	**	**	**	**	**	**	**	72.00	76.00	58.00	45.00	8.00	28
29	**	**	**	**		**	**	72.00	76.00	57.00	43.00	8.00	29
30	**	**	**	**		**	**	72.00	76.00	56.00	41.00	8.00	30
31	**		**	**		**		72.00		56.00	39.00		31
TOTAL	**	**	**	**	**	**	**	794.00*	2198.00	2082.00	1793.00	944.00	
MEAN	**	**	**	**	**	**	**	56.71*	73.27	67.16	57.84	31.47	
AC-FT	**	**	**	**	**	**	**	1574.88*	4359.67	4129.58	3556.36	1872.40	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.

Pole Creek Number 2 Ditch, East Fork New Fork River

Diversion Description: Diversion consists of three 36" slide gates mounted on sections of CMP culvert.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 4, 33,108

Conveyance Description: Open Channel Canal, approximately 3 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
06-10-1899	2161	Irrigation	1,586.00	22.65	22.65	
05-21-1908	1875E	Domestic, Irrigation, Stock	234.00	3.33	25.98	

Storage Rights: None.

Estimated Canal Losses: Greater than typical losses (25%) are experienced due to the presence of cobbles in the soil.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to East Fork River at Muddy Creek.[2]

Other Operational Information: The canal is typically turned on the first of May and off in mid-July.[1]

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Pole Creek Number 2 Ditch, East Fork New Fork River, 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)
1976			*0.96*	*57.09*	*1.02*	*62.61*				
1978			*81.90*	*4,873.39*	*83.71*	*5,147.10*	*21.52*	*1,323.00*	*19.40*	*1,154.40*
1980			53.62	3,296.97	45.90	2,731.24				
1981										
1982			65.33	3,887.40	35.47	2,180.97	9.09	558.92		
1983			51.10	3,040.66	41.46	2,549.28				
1984			46.43	2,762.78	24.72	1,519.97	0.00	0.00		
1985	13.40	823.93	61.28	3,646.41	40.63	2,498.24	1.94	119.29		
1986										
1987	16.31	1,002.86	2.67	158.88			16.20	996.10		
1988	19.79	1,216.84	55.17	3,282.84	32.68	2,009.41				
1989										
1990			5.11	304.07						
1991	20.14	1,238.36	35.75	2,127.27						
1992			20.79	1,237.09						
1993			22.93	1,364.43	39.98	2,458.27	19.84	1,219.91	0.95	56.53
1994	10.09	620.41	30.59	1,820.23	22.54	1,385.93	1.14	70.10	2.17	129.12
1995	9.97	613.03	26.09	1,552.46	17.83	1,096.32	2.42	148.80		
1996					22.00	1,352.73				
1997										
1998			36.43	2,167.44	46.50	2,859.09	0.77	47.36		
Averages:	14.95	919.24	37.26	2,223.71	34.81	2,140.26	186.30	498.16	7.51	446.68

Data in italics from USGS gaging station 006090.00, see attached data sheets.
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.

Pole Creek Number 2 Ditch, East Fork New Fork River, Diversion Data

Data:

1980: 6/9, 85 cfs; 6/17, 67 cfs; 6/28, 74 cfs; 7/7, 80 cfs; 7/17, 45 cfs; 7/29, off.
1981: 5/27, 30 cfs; 7/20, 40 cfs; 8/4, off.
1982: 5/24, 42 cfs; 6/18, 75 cfs; 6/30, 61 cfs; 7/9, 37 cfs; 7/16, 37 cfs; 7/22, 30 cfs; 8/27, off.
1983: 5/25, 3 cfs (est); 6/7, 37 cfs; 6/17, 43 cfs; 6/24, 77 cfs; 6/28, 78 cfs; 7/12, 60 cfs; 7/19, 45 cfs; 7/27, off.
1984: 5/17, 1 cfs (est); 5/30, 2 cfs (est); 6/12, 55 cfs; 6/18, 80 cfs; 6/25, 78 cfs; 7/2, 85 cfs; 7/13, 67 cfs; 7/23, 8/20, off.
1985: 5/15, 2 cfs (est); 6/2, 49.5 cfs; 6/27, 71.5 cfs; 7/16, 52.0 cfs; 7/30, 8/22, off; 8/28, 20.0 cfs.
1986: 6/17, 85.6 cfs; 9/12, off.
1987: 5/13, 47.6 cfs; 6/2, 3.4 cfs; 6/18, 57 cfs; 8/3, off; 9/8, 43 cf
1988: 5/13, 23 cfs; 6/26, 66 cfs; 7/5, 52 cfs; 8/5, 0 cfs.
1990: 6/6, 8.6 cfs; 7/12, 1.5 cfs.
1991: 5/9, 8.95 cfs; 6/19, 73.83 cfs.
1992: 4/8, 2.00 cfs; 5/27, 18.00 cfs; 6/3, 25.00 cfs; 7/14, 12.00 cfs; 9/2, 2.00 cfs.
1993: 5/19, 15.80 cfs; 6/21, 21.90 cfs; 7/8, 45.00 cfs; 7/30, 35.50 cfs; 8/6, 40.00 cfs; 8/25, 2.50 cfs; 9/1, 3.00 cfs; 9/20, off.
1994: 5/12, 10.00 cfs; 5/26, 18.80 cfs; 6/1, 18.30 cfs; 6/7, 33.90 cfs; 6/14, 35.00 cfs; 6/22, 30.00 cfs; 7/25, 21.80 cfs; 8/5, 8/23, off; 8/30, 3.50 cfs; 9/8, 4.00 cfs; 9/19, 3.00 cfs.
1995: 4/16, 4/17, off; 5/4, 4.0 cfs; 5/10, 5.0 cfs; 5/31, 19.0 cfs (est); 6/5, 18.8 cfs; 6/27, 33.8 cfs; 8/3, 3.5 cfs (est); 9/14, off.
1996: 5/1, 9.0 cfs (est); 5/13, 12.0 cfs (est); 7/1, 44 cfs (est); 8/1, off.
1997: 8/15, off.
1998: 6/16, 72.6 cfs; 7/10, 73.4 cfs; 7/31, 1 cfs (est); 8/21, 1.37 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Pole Creek Number 2 Ditch, East Fork New Fork River, Diversion Data

POLE CREEK NO. 2 DITCH STATION NO. 006090.00
LATITUDE 42-51-31 LONGITUDE 109-45-06
SECTION 4 TOWNSHIP 33 N,RANGE 108 W 6TH P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570410
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	14.00	66.00	49.00	**	1
2	**	**	**	**	**	**	**	**	16.00	66.00	47.00	4.00	2
3	**	**	**	**	**	**	**	**	45.00	67.00	45.00	**	3
4	**	**	**	**	**	**	**	**	46.00	67.00	43.00	**	4
5	**	**	**	**	**	**	**	**	47.50	68.00	41.00	**	5
6	**	**	**	**	**	**	**	**	49.00	68.00	39.00	**	6
7	**	**	**	**	**	**	**	**	53.00	68.00	37.00	**	7
8	**	**	**	**	**	**	**	**	55.00	68.00	35.00	**	8
9	**	**	**	**	**	**	**	**	57.00	68.00	33.00	**	9
10	**	**	**	**	**	**	**	**	57.00	68.00	31.00	**	10
11	**	**	**	**	**	**	**	**	57.00	67.00	**	**	11
12	**	**	**	**	**	**	**	**	58.00	66.00	**	**	12
13	**	**	**	**	**	**	**	**	58.00	65.00	**	**	13
14	**	**	**	**	**	**	**	**	58.00	64.00	**	**	14
15	**	**	**	**	**	**	**	**	58.00	64.00	**	2.00	15
16	**	**	**	**	**	**	**	**	58.00	64.00	**	**	16
17	**	**	**	**	**	**	**	**	59.00	63.00	**	**	17
18	**	**	**	**	**	**	**	**	60.00	63.00	**	**	18
19	**	**	**	**	**	**	**	**	62.00	62.00	**	**	19
20	**	**	**	**	**	**	**	**	64.00	62.00	**	**	20
21	**	**	**	**	**	**	**	**	66.00	61.00	**	**	21
22	**	**	**	**	**	**	**	**	68.00	61.00	**	**	22
23	**	**	**	**	**	**	**	**	70.00	60.00	**	**	23
24	**	**	**	**	**	**	**	**	70.00	60.00	**	**	24
25	**	**	**	**	**	**	**	**	70.00	59.00	2.00	**	25
26	**	**	**	**	**	**	**	4.00	69.00	58.00	**	**	26
27	**	**	**	**	**	**	**	6.00	68.00	57.00	**	**	27
28	**	**	**	**	**	**	**	8.00	67.00	56.00	**	**	28
29	**	**	**	**	**	**	**	10.00	67.00	54.00	**	**	29
30	**	**	**	**		**	**	12.00	66.10	51.00	**	**	30
31	**		**	**		**		14.00		50.00	**		31
TOTAL	**	**	**	**	**	**	**	54.00*	1712.60	1941.00	402.00*	6.00*	
MEAN	**	**	**	**	**	**	**	9.00*	57.09	62.61	36.55*	3.00*	
AC-FT	**	**	**	**	**	**	**	107.11*	3396.89	3849.92	797.35*	11.90*	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Pole Creek Number 2 Ditch, East Fork New Fork River, Diversion Data

MEAN DAILY FLOW IN CFS BY WATER YEAR													
1978													
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	72.00	80.00	26.00	21.00	1
2	**	**	**	**	**	**	**	**	74.00	81.00	26.00	21.00	2
3	**	**	**	**	**	**	**	**	76.00	82.00	26.00	20.00	3
4	**	**	**	**	**	**	**	**	78.00	83.00	26.00	20.00	4
5	**	**	**	**	**	**	**	**	80.00	84.00	26.00	20.00	5
6	**	**	**	**	**	**	**	**	82.00	85.00	26.00	20.00	6
7	**	**	**	**	**	**	**	**	84.00	85.00	25.00	20.00	7
8	**	**	**	**	**	**	**	**	86.00	86.00	25.00	20.00	8
9	**	**	**	**	**	**	**	**	86.00	87.00	24.00	20.00	9
10	**	**	**	**	**	**	**	**	86.00	88.00	24.00	20.00	10
11	**	**	**	**	**	**	**	**	86.00	89.00	23.00	20.00	11
12	**	**	**	**	**	**	**	**	86.00	90.00	23.00	20.00	12
13	**	**	**	**	**	**	**	**	87.00	90.00	22.00	20.00	13
14	**	**	**	**	**	**	**	**	87.00	90.00	22.00	20.00	14
15	**	**	**	**	**	**	**	**	86.00	90.00	21.00	20.00	15
16	**	**	**	**	**	**	**	**	85.00	90.00	20.00	20.00	16
17	**	**	**	**	**	**	**	**	85.00	90.00	20.00	20.00	17
18	**	**	**	**	**	**	**	**	84.00	90.00	19.00	20.00	18
19	**	**	**	**	**	**	**	**	84.00	90.00	18.00	19.00	19
20	**	**	**	**	**	**	**	**	83.00	90.00	18.00	19.00	20
21	**	**	**	**	**	**	**	50.00	83.00	90.00	18.00	19.00	21
22	**	**	**	**	**	**	**	52.00	82.00	88.00	18.00	19.00	22
23	**	**	**	**	**	**	**	54.00	82.00	86.00	18.00	19.00	23
24	**	**	**	**	**	**	**	56.00	81.00	82.00	18.00	18.00	24
25	**	**	**	**	**	**	**	58.00	80.00	80.00	18.00	18.00	25
26	**	**	**	**	**	**	**	60.00	79.00	78.00	18.00	18.00	26
27	**	**	**	**	**	**	**	62.00	78.00	76.00	19.00	18.00	27
28	**	**	**	**	**	**	**	64.00	78.00	73.00	19.00	18.00	28
29	**	**	**	**		**	**	66.00	78.00	70.00	20.00	18.00	29
30	**	**	**	**		**	**	68.00	79.00	67.00	20.00	17.00	30
31	**		**	**		**		70.00		65.00	21.00		31
TOTAL	**	**	**	**	**	**	**	660.00*	2457.00	2595.00	667.00	582.00	
MEAN	**	**	**	**	**	**	**	60.00*	81.90	83.71	21.52	19.40	
AC-FT	**	**	**	**	**	**	**	1309.09*	4873.39	5147.10	1322.97	1154.38	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.

Rocky Mountain Ditch, East Fork New Fork River

Diversion Description: Diversion consists of a single 18" slide gate. No diversion dam exists.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 10, 31, 106

Conveyance Description: Open Channel Canal, approximately 3 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
06-06-1898	1851	Irrigation	299.00	4.25	4.25	
05-31-1899	434E	Irrigation	289.00	4.12	8.37	
05-23-1900	539E	Irrigation	415.00	5.89	14.26	
11-14-1901	740E	Irrigation	78.00	1.11	15.37	
08-20-1909	2173E	Irrigation	192.00	2.74	18.11	Permitted Source "East Fork New Fork River and Cottonwood Creek"

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 Cottonwood Creek above East Fork River.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Rocky Mountain Ditch, East Fork New Fork River, 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					7.50	460.96				
1986										
1987										
1988										
1989										
1990										
1991										
1992			17.79	1,058.58						
1993										
1994	22.72	1,397.00	20.84	1240.07	12.40	762.45	0.70	43.04		
1995	13.65	839.31	26.21	1,559.60	30.04	1,847.09	13.90	854.68		
1996										
1997										
1998										
Averages:	18.19	1,118.15	22.00	1,309.09	16.65	1,023.43	7.30	448.86		

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.

Rocky Mountain Ditch, East Fork New Fork River, Diversion Data

Data:

1981: 7/6, 15 cfs; 10/2, 7 cfs.
1985: 7/7, 20.8 cfs; 7/8, 18.5 cfs; 7/31, off; 8/6, off; 8/14, 1.0 cfs (est); 9/25, 0.5 cfs (est).
1988: 4/12, 0 cfs; 6/18, 15 cfs; 6/26, 20.6 cfs; 6/27, 15.4 cfs.
1989: 4/21, 15 cfs; 5/3, 13 cfs; 6/26, 28 cfs; 8/3, 1 cfs.
1990: 7/11, 15.0 cfs (est).
1992: 5/29, 18.00 cfs; 6/8, 30.00 cfs; 6/10, 15.00 cfs; 6/11, 15.00 cfs; 7/10, 14.00 cfs.
1993: 4/29, 5/3, off; 6/14, 36.30 cfs; 7/27, off, 9/2, 2.00 cfs.
1994: 5/3, 15.00 cfs; 5/23, 29.80 cfs; 6/19, 21.90 cfs; 6/20, 15.00 cfs; 7/18, 15.00 cfs; 8/4, 1.00 cfs; 9/3, off.
1995: 4/10, off; 4/26, 2.5 cfs; 5/24, 18.0 cfs; 6/26, 30.0 cfs (est); 7/6, 30 cfs; 7/17, 34.1 cfs; 8/16, 12 cfs; 8/30, 12 cfs.
1996: 5/4, off; 6/26, 39 cfs (est).

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Sill Ditch, West Fork New Fork River

Diversion Description: Diversion consists of a wood stop log headgate. No diversion dam exists.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 9, 33, 109

Conveyance Description: Open Channel Canal, approximately 2 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
06-02-1898	1849	Irrigation	560.00	7.95	7.95	
11-01-1901	729E	Irrigation	190.00	2.71	10.66	
06-04-1903	1140E	Irrigation	329.00	4.67	15.33	
06-28-1906	1571E	Irrigation	271.00	3.87	19.20	
07-05-1907	1762E	Irrigation	49.00	0.70	19.90	

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 West Fork New Fork River above Pole Creek.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Sill Ditch, West Fork New Fork River, 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)
1976			*31.33*	*1,864.26*	*33.52*	*2,060.83*	*13.65*	*839.01*	*2.27*	*134.88*
1980			39.77	2,366.48	35.71	2,195.72				
1981			25.75	1,532.23	25.71	1,580.85				
1982			36.88	2,194.51	45.37	2,789.69	11.01	676.98	0.00	0.00
1983			45.39	2,700.89	37.16	2,284.88				
1984			42.06	2,502.74	17.96	1,104.32				
1985			48.75	2,900.83	33.84	2,080.74				
1986			23.87	1,470.27						
1987			32.63	1,941.62						
1988										
1989			22.76	1,354.31	16.55	1,017.62				
1990			34.62	2,060.03						
1991										
1992										
1993										
1994	10.58	650.54	21.72	1,292.43	23.55	1,448.03	7.73	475.30		
1995	13.72	843.61	31.13	1,852.36	36.11	2,220.32				
1996					21.79	1,339.81				
1997										
1998										
Averages:	12.15	747.07	33.59	1,998.69	29.75	1,829.35	10.80	663.76	1.13	67.44

Data in italics from USGS gaging station 006065.00, see attached data sheets.
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.

Sill Ditch, West Fork New Fork River, Diversion Data

Data:

1980: 5/28, 21 cfs; 6/4, 34 cfs; 6/17, 42 cfs; 6/27, 44 cfs; 7/17, 43 cfs; 7/25, 37 cfs; 7/30, off.
1981: 6/9, 30 cfs; 7/7, 43 cfs; 7/24, 15 cfs; 7/30, 2 cfs; 8/7, off.
1982: 5/24, 28 cfs; 6/9, 34 cfs; 6/18, 28 cfs; 6/24, 49 cfs; 6/29, 47 cfs; 7/7, 56 cfs; 7/19, 46 cfs; 8/5, 22 cfs; 8/27, 9/24, off.
1983: 5/31, 29 cfs; 6/3, 30 cfs; 6/22, 55 cfs; 6/27, 55 cfs; 7/7, 55 cfs; 7/11, 48 cfs; 7/19, 39 cfs; 7/27, 28 cfs.
1984: 5/22, 10 cfs; 5/30, 8 cfs; 6/11, 49 cfs; 6/27, 47 cfs; 7/3, 37 cfs; 7/10, 38 cfs; 7/11, 36 cfs; 7/21, off.
1985: 5/23, 14.2 cfs; 6/6, 42.7 cfs; 6/27, 57.5 cfs; 7/22, 33.5 cfs; 7/30, off.
1986: 5/22, 31.5 cfs; 6/18, 47 cfs.
1987: 5/13, 2 cfs; 6/1, 38 cfs; 6/23, 51 cfs.
1989: 6/15, 52 cfs; 7/3, 31 cfs; 8/1, 0 cfs.
1990: 5/21, 6.2 cfs; 6/13, 38.0 cfs (est); 6/29, 38.0 cfs (est); 7/7, 31.0 cfs (est).
1993: 6/3, 43.30 cfs; 8/4, off.
1994: 5/13, 15.60 cfs; 6/13, 21.00 cfs; 7/2, 25.00 cfs; 7/22, 25.00 cfs; 8/15, 3.50 cfs; 9/7, 9.50 cfs.
1995: 4/12, 6.0 cfs; 5/25, 15.5 cfs; 6/7, 20.0 cfs; 6/21, 40 cfs (est); 7/18, 40 cfs (est); 8/9, 15 cfs (est).
1996: 6/25, 44.1 cfs; 7/25, 16.0 cfs (est).

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Sill Ditch, West Fork New Fork River, Diversion Data

SILL DITCH STATION NO. 006065.00
LATITUDE 42-50-39 LONGITUDE 109-52-13
NE1/4SW1/4NW1/4 SECTION 9 TOWNSHIP 33 N,RANGE 109 W 6TH P.M.
ELEVATION 7150.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN 15570000
SUBLETTE COUNTY DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	25.00	36.00	21.00	6.00	1
2	**	**	**	**	**	**	**	**	25.00	37.00	20.00	5.00	2
3	**	**	**	**	**	**	**	**	25.00	37.00	19.00	3.00	3
4	**	**	**	**	**	**	**	**	25.00	38.00	18.00	2.00	4
5	**	**	**	**	**	**	**	**	25.00	38.00	17.00	2.00	5
6	**	**	**	**	**	**	**	**	26.00	38.00	16.00	2.00	6
7	**	**	**	**	**	**	**	**	27.00	38.00	15.00	2.00	7
8	**	**	**	**	**	**	**	**	29.00	38.00	15.00	2.00	8
9	**	**	**	**	**	**	**	**	31.50	38.00	15.00	2.00	9
10	**	**	**	**	**	**	**	**	33.00	38.00	15.00	2.00	10
11	**	**	**	**	**	**	**	**	35.00	38.00	15.00	2.00	11
12	**	**	**	**	**	**	**	**	35.00	37.00	15.00	2.00	12
13	**	**	**	**	**	**	**	**	33.00	37.00	14.00	2.00	13
14	**	**	**	**	**	**	**	**	31.00	36.00	14.00	2.00	14
15	**	**	**	**	**	**	**	**	31.00	36.00	14.00	2.00	15
16	**	**	**	**	**	**	**	**	32.00	35.00	13.00	2.00	16
17	**	**	**	**	**	**	**	**	33.00	35.00	13.00	2.00	17
18	**	**	**	**	**	**	**	**	34.00	34.00	13.00	2.00	18
19	**	**	**	**	**	**	**	**	35.00	34.00	12.00	2.00	19
20	**	**	**	**	**	**	**	20.00	35.00	33.00	12.00	2.00	20
21	**	**	**	**	**	**	**	20.00	34.00	33.00	12.00	2.00	21
22	**	**	**	**	**	**	**	21.00	33.00	32.00	12.00	2.00	22
23	**	**	**	**	**	**	**	21.00	33.00	32.00	12.00	2.00	23
24	**	**	**	**	**	**	**	22.00	32.40	31.00	12.00	2.00	24
25	**	**	**	**	**	**	**	22.00	32.00	31.00	12.00	2.00	25
26	**	**	**	**	**	**	**	23.40	33.00	29.00	12.00	2.00	26
27	**	**	**	**	**	**	**	24.00	33.00	27.00	11.00	2.00	27
28	**	**	**	**	**	**	**	24.00	34.00	25.00	10.00	2.00	28
29	**	**	**	**	**	**	**	24.00	35.00	23.00	9.00	2.00	29
30	**	**	**	**		**	**	24.00	35.00	23.00	8.00	2.00	30
31	**		**	**		**		25.00		22.00	7.00		31
TOTAL	**	**	**	**	**	**	**	270.40*	939.90	1039.00	423.00	68.00	
MEAN	**	**	**	**	**	**	**	22.53*	31.33	33.52	13.65	2.27	
AC-FT	**	**	**	**	**	**	**	536.33*	1864.26	2060.83	839.01	134.88	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.

Tibbals Ditch, East Fork New Fork River

Diversion Description: Diversion consists of a single 40" wide wood plank stop log structure.[1]

Diversion Location:

Source: East Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 4, 31, 106

Conveyance Description: Open Channel Canal, approximately 2½ miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
11-25-1901	3559	Irrigation	1,417.66	20.25	20.25	
06-18-1908	1916E	Irrigation	28.00	0.40	20.65	

Storage Rights: None.

Estimated Canal Losses: Typical losses (10%) are experienced.[1]

Irrigation Practices: Lands are flood irrigated.[1]

Crop Types / Consumptive Use: Lands are native grass hay and pasture.[1]

Return Flows: Return flows are delivered to East Fork River at Muddy Creek.[2]

Other Operational Information: The canal is typically turned on the first of May and off in mid-July.[1]

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Interview, May 5, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

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

Tibbals Ditch, East Fork New Fork River, 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)
1975	*4.19*	*257.65*	*35.37*	*2,104.76*	*41.96*	*2,580.30*	*10.61*	*652.34*	*3.62*	*215.42*
1976	*8.74*	*537.12*	*35.92*	*2,137.19*	*32.99*	*2,028.69*	*8.84*	*543.27*	*4.22*	*251.19*
1978	*10.81*	*664.46*	*37.97*	*2,259.17*	*26.84*	*1,650.25*	*7.35*	*452.23*	*4.47*	*265.78*
1980	17.47	1,074.19	41.25	2,454.55	19.54	1,201.47	5.10	313.59	6.20	368.93
1981	17.67	1,086.49	30.92	1,839.87	14.49	890.96	8.21	504.81	5.78	343.93
1982			33.26	1,979.11	19.20	1,180.56	11.15	685.59	9.09	540.89
1983			18.23	1,084.76	13.20	811.64	17.26	1,061.28		
1984			18.06	1,074.64	27.05	1,663.24	20.80	1,278.94	36.20	2,154.05
1985			11.84	704.53	16.76	1,030.53	6.77	416.27	11.83	703.93
1986										
1987			8.82	524.83						
1988										
1989	47.07	2,894.22	44.73	2,661.62	17.30	1,063.74				
1990										
1991										
1992			18.42	1,096.07						
1993	20.21	1,242.66					4.17	256.40		
1994										
1995	13.95	857.75	25.40	1,511.40	28.81	1,771.46	13.59	835.62	6.12	364.17
1996										
1997			41.71	2,481.82						
1998										
Averages:	17.51	1,076.82	28.71	1,708.17	23.47	1,442.99	10.35	636.39	9.73	578.70

Data in italics from USGS gaging station 006100.00, see attached data sheets.
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.

Tibbals Ditch, East Fork New Fork River, Diversion Data

Data:

1980: 4/28, on; 4/30, 3 cfs; 5/6, 3 cfs; 5/13, 2 cfs; 5/20, 31 cfs; 5/21, 37 cfs; 5/29, 31 cfs; 6/3, 25 cfs; 6/10, 49 cfs; 6/18, 31 cfs; 6/23, 56 cfs; 6/30, 43 cfs; 7/9, 26 cfs; 7/15, 16 cfs; 7/22, 13 cfs; 7/24, 13 cfs; 7/28, 10 cfs; 8/8, 7 cfs; 8/12, 5 cfs; 8/21, 3 cfs; 9/22, 8 cfs; 9/29, 7 cfs.
1981: 4/24, 7.5 cfs; 5/8, 13 cfs; 5/14, 10 cfs; 5/28, 31 cfs; 6/4, 19 cfs; 6/9, 45 cfs; 6/17, 31 cfs; 6/25, 29 cfs; 7/7, 19 cfs; 7/15, 16 cfs; 7/20, 10 cfs; 8/4, 9 cfs; 8/13, 8 cfs; 8/27, 8 cfs; 10/2, 4 cfs (est).
1982: 5/24, 18 cfs; 6/2, 23 cfs; 6/9, 15 cfs; 6/18, 40 cfs; 6/22, 47 cfs; 7/2, 30 cfs; 7/8, 18 cfs; 7/16, 28 cfs; 7/25, 9 cfs; 8/3, 5 cfs; 8/27, 16 cfs; 9/22, 10 cfs.
1983: 5/24, off; 6/1, 13 cfs; 6/7, 13 cfs; 6/19, 21 cfs; 6/24, 23 cfs; 7/6, 20 cfs; 7/12, 12 cfs; 7/19, 3 cfs (est); 7/27, 16 cfs; 8/22, 19 cfs; 9/12, 7 cfs.
1984: 5/18, off; 5/22, 13 cfs; 6/1, 25 cfs; 6/9, 7 cfs; 6/12, 4 cfs (est); 6/14, 18 cfs; 6/29, 26 cfs; 7/6, 3 cfs (est); 7/11, 26 cfs; 7/11, 6 cfs; 7/19, 15 cfs; 7/23, 62 cfs; 7/30, 47 cfs; 8/24, 4 cfs (est); 9/25, 70 cfs.
1985: 6/7, 22.9 cfs; 7/5, 4.0 cfs; 7/13, 22.9 cfs; 7/19, 20.8 cfs; 7/24, 20.8 cfs; 7/31, 18.5 cfs; 8/19, 0.2 cfs (est); 9/5, 9.8 cfs; 9/25, 14.0 cfs; 10/25, 11.0 cfs.
1986: 6/19, 7.5 cfs; 7/9, 5.3 cfs; 9/9, 0.5 cfs (est).
1987: 5/14, 27.7 cfs; 6/18, 6.5 cfs; 7/14, 1 cfs; 8/31, 7.5 cfs.
1988: 4/12, 4 cfs; 6/26, 5 cfs; 7/1, 6.8 cfs.
1989: 4/14, 6 cfs; 4/21, 7 cfs; 4/29, 8 cfs; 5/13, 54 cfs; 5/23, 57 cfs; 6/26, 40 cfs; 7/17, 16 cfs; 8/3, 0 cfs.
1990: 7/11, 22.4 cfs.
1992: 5/29, 17.00 cfs; 6/8, 15.00 cfs; 6/10, 21.00 cfs; 6/11, 20.00 cfs; 7/10, 18.00 cfs.
1993: 4/29, 12.00 cfs; 5/3, 12.3 cfs; 6/14, 36.80 cfs; 7/27, 8.10 cfs; 9/2, 1.00 cfs.
1995: 4/10, 4.0 cfs (est); 4/18, 8.5 cfs; 4/26,10.0 cfs (est); 5/24, 15.0 cfs; 6/26, 30.0 cfs; 7/6, 33.3 cfs; 7/17, 30 cfs (est); 8/16, 12 cfs; 8/30, 10 cfs (est); 9/21, 8.5 cfs.
1996: 5/4, 8.5 cfs (est); 6/26, 9 cfs (est); 9/21, 7.0 cfs (est).
1997: 5/27, 20 cfs (est); 6/16, 53.1 cfs; 7/15, 13.0 cfs.

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

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

Tibbals Ditch, East Fork New Fork River, Diversion Data

TIBBALS DITCH STATION NO. 006100.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	16.00	62.20	29.00	4.50	1
2	**	**	**	**	**	**	**	**	19.00	60.00	25.00	4.50	2
3	**	**	**	**	**	**	**	**	21.00	59.00	20.00	4.50	3
4	**	**	**	**	**	**	**	**	25.00	58.00	20.00	4.53	4
5	**	**	**	**	**	**	**	**	25.00	57.00	15.00	4.50	5
6	**	**	**	**	**	**	**	**	25.00	56.00	13.00	4.00	6
7	**	**	**	**	**	**	**	**	25.00	55.00	12.10	4.00	7
8	**	**	**	**	**	**	**	**	25.00	54.00	12.00	3.50	8
9	**	**	**	**	**	**	**	**	25.00	51.60	12.00	3.50	9
10	**	**	**	**	**	**	**	**	25.00	52.00	12.00	3.50	10
11	**	**	**	**	**	**	**	**	24.25	64.10	11.00	3.50	11
12	**	**	**	**	**	**	**	3.40	26.00	60.00	11.00	3.50	12
13	**	**	**	**	**	**	**	4.00	28.00	56.00	11.40	3.50	13
14	**	**	**	**	**	**	**	4.00	31.00	52.00	11.00	3.84	14
15	**	**	**	**	**	**	**	4.00	33.00	46.00	11.00	3.50	15
16	**	**	**	**	**	**	**	5.00	35.00	41.50	10.00	3.50	16
17	**	**	**	**	**	**	**	5.00	38.00	38.00	10.00	3.50	17
18	**	**	**	**	**	**	**	5.00	41.50	35.00	9.00	3.50	18
19	**	**	**	**	**	**	**	5.00	35.00	32.00	9.00	3.50	19
20	**	**	**	**	**	**	**	5.00	31.00	29.00	8.00	3.50	20
21	**	**	**	**	**	**	**	6.00	36.00	29.00	7.00	3.50	21
22	**	**	**	**	**	**	**	6.00	41.00	27.00	6.00	3.50	22
23	**	**	**	**	**	**	**	6.00	46.00	24.00	6.00	3.50	23
24	**	**	**	**	**	**	**	6.00	53.00	23.50	5.00	3.50	24
25	**	**	**	**	**	**	**	7.00	60.00	21.00	4.89	3.24	25
26	**	**	**	**	**	**	**	7.00	45.40	18.00	5.00	3.00	26
27	**	**	**	**	**	**	**	7.50	46.00	23.00	5.00	3.00	27
28	**	**	**	**	**	**	**	8.00	60.00	26.00	5.00	3.00	28
29	**	**	**	**		**	**	10.00	60.00	29.00	4.50	3.00	29
30	**	**	**	**		**	**	12.00	60.00	31.00	4.50	3.00	30
31	**		**	**		**		14.00		31.00	4.50		31
TOTAL	**	**	**	**	**	**	**	129.90*	1061.15	1300.90	328.89	108.61	
MEAN	**	**	**	**	**	**	**	6.50*	35.37	41.96	10.61	3.62	
AC-FT	**	**	**	**	**	**	**	257.65*	2104.76	2580.30	652.34	215.42	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Tibbals Ditch, East Fork New Fork River, Diversion Data

TIBBALS DITCH STATION NO. 006100.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	33.00	55.80	14.00	4.00	1
2	**	**	**	**	**	**	**	**	36.00	55.00	10.00	2.00	2
3	**	**	**	**	**	**	**	**	39.50	53.00	6.00	2.00	3
4	**	**	**	**	**	**	**	**	39.00	51.00	5.00	2.00	4
5	**	**	**	**	**	**	**	**	39.00	47.00	5.00	2.00	5
6	**	**	**	**	**	**	**	**	39.00	43.00	5.00	2.00	6
7	**	**	**	**	**	**	**	**	39.00	37.80	5.00	2.00	7
8	**	**	**	**	**	**	**	**	39.00	34.00	5.00	2.00	8
9	**	**	**	**	**	**	**	**	39.50	33.00	5.00	6.60	9
10	**	**	**	**	**	**	**	**	39.00	32.00	17.10	6.00	10
11	**	**	**	**	**	**	**	**	39.00	31.00	16.00	6.00	11
12	**	**	**	**	**	**	**	7.50	39.00	29.50	15.00	5.00	12
13	**	**	**	**	**	**	**	7.00	35.00	26.00	12.00	5.00	13
14	**	**	**	**	**	**	**	7.00	30.00	23.00	12.00	5.00	14
15	**	**	**	**	**	**	**	7.00	26.00	20.70	11.00	4.00	15
16	**	**	**	**	**	**	**	6.00	26.00	20.00	10.00	4.00	16
17	**	**	**	**	**	**	**	6.00	26.50	20.00	9.00	4.00	17
18	**	**	**	**	**	**	**	6.00	25.00	20.00	8.00	4.00	18
19	**	**	**	**	**	**	**	5.00	25.00	39.50	7.00	4.00	19
20	**	**	**	**	**	**	**	5.20	25.00	38.00	6.00	5.00	20
21	**	**	**	**	**	**	**	5.00	26.00	36.00	5.00	5.00	21
22	**	**	**	**	**	**	**	7.00	28.00	36.00	5.00	5.00	22
23	**	**	**	**	**	**	**	10.00	30.00	33.00	12.10	5.00	23
24	**	**	**	**	**	**	**	14.00	31.00	31.00	11.00	5.20	24
25	**	**	**	**	**	**	**	18.00	36.00	30.00	10.00	5.00	25
26	**	**	**	**	**	**	**	24.00	41.00	29.00	10.70	5.00	26
27	**	**	**	**	**	**	**	24.10	46.00	28.00	10.00	5.00	27
28	**	**	**	**	**	**	**	25.00	51.00	26.50	9.00	5.00	28
29	**	**	**	**	**	**	**	27.00	55.00	24.00	8.00	5.00	29
30	**	**	**	**		**	**	29.00	55.00	22.00	5.00	5.20	30
31	**		**	**		**		31.00		18.00	5.00		31
TOTAL	**	**	**	**	**	**	**	270.80*	1077.50	1022.80	273.90	127.00	
MEAN	**	**	**	**	**	**	**	13.54*	35.92	32.99	8.84	4.23	
AC-FT	**	**	**	**	**	**	**	537.12*	2137.19	2028.69	543.27	251.90	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Tibbals Ditch, East Fork New Fork River, Diversion Data

TIBBALS DITCH STATION NO. 006100.00
LATITUDE 0-00-00 LONGITUDE 0-00-00
SECTION 0 TOWNSHIP 0 ,RANGE 0 P.M.
ELEVATION UNKNOWN DRAINAGE AREA UNKNOWN
NONCONTRIBUTING AREA UNKNOWN BASIN UNKNOWN
DATA FROM WATER COMMISSIONERS (P)

MEAN DAILY FLOW IN CFS BY WATER YEAR

1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	5.00	**	**	**	**	**	**	**	21.00	38.00	12.00	4.00	1
2	5.00	**	**	**	**	**	**	**	21.00	36.00	10.00	4.00	2
3	5.00	**	**	**	**	**	**	**	22.00	34.00	10.00	4.00	3
4	5.00	**	**	**	**	**	**	**	25.00	32.00	10.00	4.00	4
5	5.00	**	**	**	**	**	**	**	28.00	31.00	10.00	4.00	5
6	5.00	**	**	**	**	**	**	**	45.00	27.00	10.00	4.00	6
7	4.00	**	**	**	**	**	**	**	45.00	25.00	10.00	4.00	7
8	4.00	**	**	**	**	**	**	**	44.00	23.00	10.00	4.00	8
9	4.00	**	**	**	**	**	**	10.00	42.00	21.00	10.00	4.00	9
10	4.00	**	**	**	**	**	**	10.00	40.00	31.00	9.00	4.00	10
11	4.00	**	**	**	**	**	**	10.00	38.00	31.00	9.00	4.00	11
12	3.00	**	**	**	**	**	**	10.00	36.00	31.00	9.00	4.00	12
13	3.00	**	**	**	**	**	**	10.00	36.00	30.00	9.00	4.00	13
14	3.00	**	**	**	**	**	**	10.00	34.00	30.00	8.00	4.00	14
15	3.00	**	**	**	**	**	**	11.00	34.00	29.00	8.00	4.00	15
16	2.00	**	**	**	**	**	**	11.00	36.00	29.00	8.00	4.00	16
17	2.00	**	**	**	**	**	**	12.00	38.00	28.00	7.00	5.00	17
18	2.00	**	**	**	**	**	**	13.00	38.00	26.00	7.00	5.00	18
19	1.00	**	**	**	**	**	**	14.00	40.00	24.00	6.00	5.00	19
20	1.00	**	**	**	**	**	**	15.00	40.00	24.00	5.00	5.00	20
21	**	**	**	**	**	**	**	16.00	42.00	24.00	5.00	5.00	21
22	**	**	**	**	**	**	**	17.00	44.00	24.00	5.00	5.00	22
23	**	**	**	**	**	**	**	17.00	46.00	24.00	5.00	5.00	23
24	**	**	**	**	**	**	**	18.00	48.00	24.00	5.00	5.00	24
25	**	**	**	**	**	**	**	18.00	48.00	24.00	5.00	5.00	25
26	**	**	**	**	**	**	**	18.00	46.00	24.00	5.00	5.00	26
27	**	**	**	**	**	**	**	18.00	43.00	24.00	5.00	5.00	27
28	**	**	**	**	**	**	**	19.00	40.00	24.00	4.00	5.00	28
29	**	**	**	**		**	**	19.00	40.00	24.00	4.00	5.00	29
30	**	**	**	**		**	**	19.00	39.00	20.00	4.00	5.00	30
31	**		**	**		**		20.00		16.00	4.00		31
TOTAL	70.00*	**	**	**	**	**	**	335.00*	1139.00	832.00	228.00	134.00	
MEAN	3.50*	**	**	**	**	**	**	14.57*	37.97	26.84	7.35	4.47	
AC-FT	138.84*	**	**	**	**	**	**	664.46*	2259.17	1650.25	452.23	265.78	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.

Green River Basin, Wyoming; Key Structures and Diversions

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 9, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Diversi
exists.[1]

Diversion Location:

Source: Green River
Section, Township, Range: Lot 8, 30, 110

Conveyance Description: Open Channel Canal, approximately 5 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
02-04-1898	1738	Irrigation	130.00	1.85	1.85	
06-20-1900	551E	Irrigation	225.00	3.26	5.11	
04-03-1903	1014E	Irrigation	113.00	1.61	6.72	
01-13-1915	3107E	Irrigation	262.83	2.75	9.47	
07-31-1930	4684E	Irrigation	110.00	1.57	11.04	

Storage Rights: None.

Estimated Canal Losses: Typical (10%).[1]

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 Green River at Alkali Creek.[2]

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

Wardell Ditch, Green River, Diversion Data

No Diversion Data Available.

Wright Ditch, West Fork New Fork River

Diversion Description: Diversion dam consists of a wood stop log headgate. No diversion dam exists.[1]

Diversion Location:

Source: West Fork New Fork River, Trib. New Fork River, Trib. Green River
Section, Township, Range: 16, 35, 110

Conveyance Description: Open Channel Canal, approximately 2 miles in length.[1]

Wyoming Water Rights Summary:

Priority Date (M–D–Y)	Permit Number	Permitted Use	Acres	Flow (cfs)	Cumulative Flow (cfs)	Comments
05-27-1898	1844	Irrigation	275.00	3.92	3.92	
05-15-1899	424E	Irrigation	305.00	4.35	8.27	
02-06-1904	1161E	Irrigation	315.00	4.50	12.77	
06-11-1929	4832E	Irrigation	48.10	0.69	13.46	

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 West Fork New Fork River north of Cora.[2]

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

Sources: 1) Loren Smith, Wyoming State Engineer's Office, Fax, June 6, 2000.
2) Williams, Linda I., "A Model of the Green River Using the Wyoming Integrated River System Operation Study (WIRSOS)," M.S. Thesis, University of Wyoming, Department of Civil Engineering, December 1995.

Wright Ditch, West Fork New Fork River, 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			*34.07*	*2,027.31*	*26.35*	*1,620.48*	*5.55*	*341.18*	*5.67*	*337.67*
1985	*11.64*	*715.97*	*31.06*	*1,848.34*	*20.97*	*1,289.24*	*0.87*	*53.38*	*1.03*	*61.15*
1986			*29.81*	*1,773.58*	*13.14*	*807.83*	*5.72*	*351.63*	*20.81*	*1,238.20*
1987	*21.53*	*1,323.97*	*31.18*	*1,855.44*	*14.34*	*881.47*	*1.09*	*66.90*	*4.18*	*248.91*
1988										
1989										
1990										
1991										
1992										
1993										
1994	0.00	0.00	2.23	132.96						
1995										
1996										
1997										
1998										
Averages:	11.06	679.98	25.67	1,527.53	18.70	1,149.76	3.31	203.27	7.92	471.48

Data in italics from USGS gaging station 007104.00, see attached data sheets.
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.

Wright Ditch, West Fork New Fork River, Diversion Data

Data:
1989: 6/5, 32 cfs.
1994: 5/13, 6/13, dry; 7/2, 12.00 cfs; 9/7, dry.

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

Supply: 1980, below average; 1981, slightly below average; 1982, average (late peak); 1983, above average; 1984, above average; 1985, below average; 1986, average to slightly above average; 1988: very below average; 1989, below average; 1990, below average; 1991, slightly below average; 1992, below average; 1993, average; 1994, below average; 1995, average to above average; 1996, average; 1997, average; 1998, average to above average.

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

Wright Ditch, West Fork New Fork River, Diversion Data

WRIGHT DITCH STATION NO. 007104.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NE1/4SW1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7440.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	**	**	**	**	**	**	**	**	10.70	36.60	5.48	5.75	1
2	**	**	**	**	**	**	**	**	10.60	35.80	5.56	5.75	2
3	**	**	**	**	**	**	**	**	10.30	16.40	5.52	5.75	3
4	**	**	**	**	**	**	**	**	21.90	8.99	5.45	5.75	4
5	**	**	**	**	**	**	**	**	37.00	8.62	5.41	5.75	5
6	**	**	**	**	**	**	**	**	42.00	8.51	5.45	5.75	6
7	**	**	**	**	**	**	**	**	41.60	22.10	5.48	5.75	7
8	**	**	**	**	**	**	**	**	40.70	42.40	5.45	5.75	8
9	**	**	**	**	**	**	**	**	40.30	42.00	5.37	5.75	9
10	**	**	**	**	**	**	**	**	40.70	42.00	5.37	5.75	10
11	**	**	**	**	**	**	**	**	41.10	40.70	5.37	5.75	11
12	**	**	**	**	**	**	**	**	40.30	42.90	5.33	5.75	12
13	**	**	**	**	**	**	**	**	39.40	42.90	5.33	5.75	13
14	**	**	**	**	**	**	**	**	38.60	43.80	5.33	5.71	14
15	**	**	**	**	**	**	**	**	34.30	43.30	5.41	5.67	15
16	**	**	**	**	**	**	**	**	38.20	39.00	5.48	5.67	16
17	**	**	**	**	**	**	**	**	38.60	39.40	5.48	5.67	17
18	**	**	**	**	**	**	**	**	37.00	39.90	5.48	5.67	18
19	**	**	**	**	**	**	**	6.80	34.70	37.80	5.52	5.67	19
20	**	**	**	**	**	**	**	6.80	34.30	31.10	5.52	5.67	20
21	**	**	**	**	**	**	**	6.84	34.70	33.60	5.52	5.67	21
22	**	**	**	**	**	**	**	6.76	29.40	34.30	5.52	5.67	22
23	**	**	**	**	**	**	**	6.59	35.10	30.10	6.14	5.67	23
24	**	**	**	**	**	**	**	6.76	35.40	11.80	5.83	5.63	24
25	**	**	**	**	**	**	**	6.84	35.80	6.06	5.79	5.60	25
26	**	**	**	**	**	**	**	6.76	35.80	7.40	5.79	5.56	26
27	**	**	**	**	**	**	**	7.49	35.80	6.97	5.71	5.52	27
28	**	**	**	**	**	**	**	7.90	35.40	6.02	5.71	5.48	28
29	**	**	**	**	**	**	**	8.16	35.80	5.52	5.71	5.48	29
30	**	**	**	**		**	**	11.00	36.60	5.48	5.75	5.48	30
31	**		**	**		**		11.00		5.52	5.75		31
TOTAL	**	**	**	**	**	**	**	99.70*	1022.10	816.99	172.01	170.24	
MEAN	**	**	**	**	**	**	**	7.67*	34.07	26.35	5.55	5.67	
AC-FT	**	**	**	**	**	**	**	197.75*	2027.31	1620.48	341.18	337.67	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Wright Ditch, West Fork New Fork River, Diversion Data

WRIGHT DITCH STATION NO. 007104.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NE1/4SW1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7440.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	5.48	**	**	**	**	**	**	**	24.40	0.39	0.16	1.28	1
2	5.52	**	**	**	**	**	**	**	26.63	0.10	0.14	3.07	2
3	5.45	**	**	**	**	**	**	**	29.02	14.54	0.13	5.96	3
4	5.45	**	**	**	**	**	**	**	33.18	32.91	0.23	2.09	4
5	5.45	**	**	**	**	**	**	**	32.37	31.57	0.71	1.16	5
6	5.45	**	**	**	**	**	**	**	33.46	31.57	0.71	0.71	6
7	5.45	**	**	**	**	**	**	**	36.00	29.27	0.64	0.43	7
8	5.41	**	**	**	**	**	**	**	36.00	60.82	0.52	0.52	8
9	5.41	**	**	**	**	**	**	**	36.59	61.25	0.47	0.58	9
10	5.41	**	**	**	**	**	**	13.83	36.30	60.38	0.39	0.71	10
11	5.45	**	**	**	**	**	**	8.64	36.00	60.82	0.39	0.58	11
12	5.41	**	**	**	**	**	**	7.19	35.43	59.95	0.52	1.89	12
13	5.41	**	**	**	**	**	**	6.55	34.57	58.25	0.58	1.56	13
14	5.41	**	**	**	**	**	**	10.65	34.29	25.72	0.58	1.05	14
15	5.41	**	**	**	**	**	**	15.28	36.00	24.83	0.64	0.52	15
16	5.37	**	**	**	**	**	**	15.28	36.30	24.61	0.86	0.58	16
17	5.33	**	**	**	**	**	**	15.43	36.30	22.51	2.53	0.64	17
18	5.30	**	**	**	**	**	**	15.89	36.30	0.26	3.38	0.58	18
19	5.33	**	**	**	**	**	**	15.59	36.00	0.19	1.28	0.86	19
20	5.30	**	**	**	**	**	**	18.54	36.59	1.41	0.35	0.47	20
21	5.26	**	**	**	**	**	**	18.37	35.14	7.19	0.58	0.47	21
22	5.26	**	**	**	**	**	**	18.54	35.14	9.76	0.52	1.28	22
23	5.26	**	**	**	**	**	**	18.37	34.85	10.31	0.52	0.71	23
24	5.22	**	**	**	**	**	**	19.62	35.43	10.88	0.78	0.52	24
25	5.26	**	**	**	**	**	**	20.93	32.64	8.73	1.05	0.47	25
26	5.22	**	**	**	**	**	**	19.62	30.02	0.23	1.56	0.52	26
27	**	**	**	**	**	**	**	19.62	29.02	0.78	3.07	0.52	27
28	**	**	**	**	**	**	**	19.43	16.21	0.21	1.41	0.52	28
29	**	**	**	**		**	**	20.17	1.05	0.19	0.22	0.35	29
30	**	**	**	**		**	**	22.11	0.64	0.19	0.43	0.23	30
31	**		**	**		**		21.32		0.17	1.56		31
TOTAL	139.68*	**	**	**	**	**	**	360.97*	931.87	649.99	26.91	30.83	
MEAN	5.37*	**	**	**	**	**	**	16.41*	31.06	20.97	0.87	1.03	
AC-FT	277.05*	**	**	**	**	**	**	715.97*	1848.34	1289.24	53.38	61.15	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Green River Basin, Wyoming; Key Structures and Diversions
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Wright Ditch, West Fork New Fork River, Diversion Data

WRIGHT DITCH STATION NO. 007104.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NE1/4SW1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7440.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	0.21	7.19	**	**	**	**	**	**	20.31	29.34	0.02	7.69	1
2	0.23	0.52	**	**	**	**	**	**	22.25	28.10	0.20	8.23	2
3	0.28	0.43	**	**	**	**	**	**	23.02	27.49	4.65	12.06	3
4	0.26	**	**	**	**	**	**	**	21.75	26.90	1.50	13.01	4
5	0.26	**	**	**	**	**	**	**	23.81	26.60	1.73	14.37	5
6	0.26	**	**	**	**	**	**	**	30.63	26.60	0.02	18.50	6
7	0.35	**	**	**	**	**	**	**	39.35	26.90	0.17	18.44	7
8	0.35	**	**	**	**	**	**	**	35.13	26.60	6.13	19.61	8
9	0.28	**	**	**	**	**	**	**	30.96	26.31	6.13	22.00	9
10	0.26	**	**	**	**	**	**	**	27.19	25.46	6.31	22.51	10
11	0.26	**	**	**	**	**	**	**	30.96	25.18	6.05	20.31	11
12	0.23	**	**	**	**	**	**	**	37.39	24.90	8.01	18.07	12
13	0.23	**	**	**	**	**	**	**	38.95	23.81	8.93	22.76	13
14	0.23	**	**	**	**	**	**	**	37.77	18.94	9.05	22.76	14
15	0.23	**	**	**	**	**	**	**	34.77	17.44	7.69	23.02	15
16	0.23	**	**	**	**	**	**	**	32.30	9.81	7.17	23.02	16
17	0.23	**	**	**	**	**	**	**	31.29	6.68	7.27	23.28	17
18	0.23	**	**	**	**	**	**	**	30.30	6.59	0.11	23.54	18
19	0.23	**	**	**	**	**	**	**	28.10	2.30	6.40	23.81	19
20	0.23	**	**	**	**	**	**	**	27.49	0.55	7.07	23.81	20
21	0.23	**	**	**	**	**	**	**	34.14	0.12	6.88	23.81	21
22	0.23	**	**	**	**	**	**	**	31.96	0.12	6.22	24.08	22
23	0.32	**	**	**	**	**	**	**	30.30	0.12	5.62	24.62	23
24	0.28	**	**	**	**	**	**	0.31	29.34	0.09	8.81	25.46	24
25	0.28	**	**	**	**	**	**	0.17	29.02	0.08	8.23	25.74	25
26	0.28	**	**	**	**	**	**	0.17	28.10	0.07	8.23	25.46	26
27	0.28	**	**	**	**	**	**	0.20	27.49	0.06	7.92	25.46	27
28	0.26	**	**	**	**	**	**	0.15	26.90	0.04	7.80	23.81	28
29	15.59	**	**	**		**	**	0.08	26.90	0.03	7.69	22.00	29
30	4.94	**	**	**		**	**	0.15	26.31	0.03	7.58	23.02	30
31	9.66		**	**		**		6.88		0.02	7.69		31
TOTAL	37.42	8.14*	**	**	**	**	**	8.11*	894.18	407.28	177.28	624.26	
MEAN	1.21	2.71*	**	**	**	**	**	1.01*	29.81	13.14	5.72	20.81	
AC-FT	74.22	16.15*	**	**	**	**	**	16.09*	1773.58	807.83	351.63	1238.20	

** INDICATES MISSING DATA

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E INDICATES ESTIMATED VALUE

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

Wright Ditch, West Fork New Fork River, Diversion Data

WRIGHT DITCH STATION NO. 007104.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NE1/4SW1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
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NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	23.02	0.00	**	**	**	**	**	**	31.78	30.47	0.23	2.78	1
2	23.54	0.00	**	**	**	**	**	**	32.46	28.89	0.34	2.78	2
3	23.28	0.00	**	**	**	**	**	**	31.45	10.68	3.66	2.78	3
4	17.44	0.00	**	**	**	**	**	**	31.45	8.54	4.01	2.78	4
5	10.89	**	**	**	**	**	**	**	31.12	8.89	2.78	2.78	5
6	10.89	**	**	**	**	**	**	**	30.79	8.77	1.75	2.78	6
7	10.89	**	**	**	**	**	**	**	31.45	31.45	1.59	2.78	7
8	10.89	**	**	**	**	**	**	**	32.46	32.12	1.45	2.78	8
9	10.89	**	**	**	**	**	**	**	35.26	27.09	1.45	2.11	9
10	0.00	**	**	**	**	**	**	**	36.37	26.51	0.90	1.00	10
11	0.00	**	**	**	**	**	**	**	34.54	29.83	0.23	1.00	11
12	0.00	**	**	**	**	**	**	**	34.54	30.79	0.82	0.62	12
13	0.00	**	**	**	**	**	**	32.46	34.19	28.28	0.09	0.62	13
14	0.00	**	**	**	**	**	**	33.84	34.19	20.53	0.34	1.20	14
15	0.00	**	**	**	**	**	**	34.90	29.83	12.43	1.00	6.21	15
16	0.00	**	**	**	**	**	**	36.00	12.28	10.95	1.00	0.68	16
17	0.00	**	**	**	**	**	**	37.50	11.10	11.24	0.90	0.17	17
18	0.00	**	**	**	**	**	**	37.50	15.69	10.68	0.90	1.92	18
19	0.00	**	**	**	**	**	**	37.50	34.90	9.50	0.10	7.76	19
20	0.00	**	**	**	**	**	**	37.12	36.00	10.54	0.09	7.76	20
21	0.00	**	**	**	**	**	**	36.74	36.00	13.73	0.07	7.87	21
22	0.00	**	**	**	**	**	**	36.37	36.00	8.89	0.07	8.09	22
23	0.00	**	**	**	**	**	**	36.00	36.00	7.25	0.07	8.09	23
24	0.00	**	**	**	**	**	**	35.63	34.54	4.01	0.07	7.98	24
25	0.00	**	**	**	**	**	**	35.26	34.19	0.38	0.07	0.46	25
26	0.00	**	**	**	**	**	**	35.26	33.84	1.20	0.75	1.59	26
27	0.00	**	**	**	**	**	**	34.54	29.83	6.21	1.92	9.50	27
28	0.00	**	**	**	**	**	**	33.84	30.47	5.75	2.11	9.50	28
29	0.00	**	**	**		**	**	32.80	31.28	4.01	2.11	9.50	29
30	0.00	**	**	**		**	**	32.12	31.45	3.05	0.08	9.62	30
31	0.00		**	**		**		32.12		1.75	2.78		31
TOTAL	141.73	0.00*	**	**	**	**	**	667.50*	935.45	444.41	33.73	125.49	
MEAN	4.57	0.00*	**	**	**	**	**	35.13*	31.18	14.34	1.09	4.18	
AC-FT	281.12	0.00*	**	**	**	**	**	1323.97*	1855.44	881.47	66.90	248.91	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

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

Wright Ditch, West Fork New Fork River, Diversion Data

WRIGHT DITCH STATION NO. 007104.00
LATITUDE 42-59-51 LONGITUDE 109-58-39
NE1/4SW1/4 SECTION 20 TOWNSHIP 35 N,RANGE 110 W 6TH P.M.
ELEVATION 7440.00 FT DRAINAGE AREA UNKNOWN
NONCONTRIBUTING 0.00 SQ MI BASIN 15570000
SUBLETTE COUNTY DATA FROM WWRC (C)
****TO USE THIS DATA, SEE VIC HASFURTHER****

MEAN DAILY FLOW IN CFS BY WATER YEAR

1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	9.62	1.00	**	**	**	**	**	**	**	**	**	**	1
2	9.62	**	**	**	**	**	**	**	**	**	**	**	2
3	9.25	**	**	**	**	**	**	**	**	**	**	**	3
4	10.40	**	**	**	**	**	**	**	**	**	**	**	4
5	12.91	**	**	**	**	**	**	0.00	**	**	**	**	5
6	12.59	**	**	**	**	**	**	0.00	**	**	**	**	6
7	13.07	**	**	**	**	**	**	0.00	**	**	**	**	7
8	13.40	**	**	**	**	**	**	0.00	**	**	**	**	8
9	8.31	**	**	**	**	**	**	0.00	**	**	**	**	9
10	6.95	**	**	**	**	**	**	0.00	**	**	**	**	10
11	6.86	**	**	**	**	**	**	0.00	**	**	**	**	11
12	6.76	**	0.00	**	**	**	**	0.00	**	**	**	**	12
13	6.76	**	**	**	**	**	**	0.00	**	**	**	**	13
14	6.76	**	**	**	**	**	**	0.00	**	**	**	**	14
15	6.76	**	**	**	**	**	**	0.00	**	**	**	**	15
16	6.48	**	**	**	**	**	**	0.00	**	**	**	**	16
17	6.39	**	**	**	**	**	**	**	**	**	**	**	17
18	6.39	**	**	**	**	**	**	**	**	**	**	**	18
19	6.30	**	**	**	**	**	**	**	**	**	**	**	19
20	6.30	**	**	**	**	**	**	**	**	**	**	**	20
21	4.39	**	**	**	**	**	**	**	**	**	**	**	21
22	4.01	**	**	**	**	**	**	**	**	**	**	**	22
23	3.34	**	**	**	**	**	**	**	**	**	**	**	23
24	3.34	**	**	**	**	**	**	**	**	**	**	**	24
25	3.05	**	**	**	**	**	**	**	**	**	**	**	25
26	3.05	**	**	**	**	**	**	**	**	**	**	**	26
27	2.78	**	**	**	**	**	**	**	**	**	**	**	27
28	1.20	**	**	**	**	**	**	**	**	**	**	**	28
29	1.32	**	**	**	**	**	**	**	**	**	**	**	29
30	1.32	**	**	**		**	**	**	**	**	**	**	30
31	1.20		**	**		**		**		**	**		31
TOTAL	200.88	1.00*	0.00*	**	**	**	**	0.00*	**	**	**	**	
MEAN	6.48	1.00*	0.00*	**	**	**	**	0.00*	**	**	**	**	
AC-FT	398.44	1.98*	0.00*	**	**	**	**	0.00*	**	**	**	**	

** INDICATES MISSING DATA

* INDICATES COMPUTED FROM INCOMPLETE DATA

E INDICATES ESTIMATED VALUE

Source: Wyoming Water Resources Data System, March 20, 2000.