GREEN RIVER BASIN

Blacks Fork Drainage

WATER DIVISION 4
DISTRICT 3

Smiths Fork Creek, tributary of the Black's Fork River, and Black's Fork River below the mouth of Ham's Fork, and tributaries of the Green River from the west between the Utah-Wyoming State Line and a point opposite the Big Sandy River

WATER DIVISION 4
DISTRICT 9

Ham's Fork, tributary of the Black's Fork River, and tributaries of the Green River from the West between a point opposite the mouth of the Big Sandy River to and including Slate Creek.

WATER DIVISION 4
DISTRICT 14

Henry's Fork, tributary of the Green River, and it's tributaries.

WATER DIVISION 4
DISTRICT 15

Black's Fork River and it's tributaries above the mouth of Ham's Fork, excepting Smith's Fork Creek and it's tributaries.

Blacks Fork River near Robertson, Wyoming.

Drainage area – – 130mi2

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
MEAN (data for water years 1966 - 1998)	54.5	41.1	33.2	27.3	24.0	25.7	50.2	399	793	352	113	69.8
MAX	136	62.0	50.0	55.7	36.9	38.6	112	789	1273	1003	232	157
MIN	23.9	22.1	11.1	6.73	9.32	9.78	19.4	134	298	64.5	46.3	37.3

SUMMARY STATISTICS	1997 Calendar Year		1998 Water Year		Water Years 1966-1998	
Annual Total	61128		74119		——	
Annual Mean	167		208		166	
Highest Annual Mean	——		——		228	1983
Lowest Annual Mean	——		——		79.3	1977
Highest Daily Mean	1460	June 9	1640	June 30	1880	June 19, 1983
Lowest Daily Mean	17	Dec. 26	17	Dec. 26	8.2	Apr. 2, 1994
Instantaneous Peak Flow	——		1940	June 30	2480	June 19, 1983
Annual Runoff (AC-FT)	121200		147000		119600	

Black's Fork Water Rights - Cut off dates

PRIORITY	ACREAGE	ACCUM. AC.	C.F.S	SHUT DOWN
1862	44.0	44.0	.63	
1872	148.7	192.7	2.75	
1882	12.1	204.8	2.93	
1884	70.0	274.8	3.93	
1886	120.0	394.6	5.64	
1887	184.1	578.9	8.27	
1888	74.0	652.9	9.33	
1889	380.0	1032.9	14.76	
1890	68.9	1101.8	15.74	
1891	6600.2	7702.0	110.03	Late July early August
1892	1187.3	8889.3	126.99	
1893	165.9	9055.8	129.36	
1894	587.6	9642.8	137.75	
1895	522.2	10165.0	145.21	
1896	1471.1	11636.1	166.23	
1897	4455.8	16091.9	229.88	
1898	2132.6	18224.5	260.35	
1899	625.6	18850.1	269.29	
1900	480.0	19330.1	276.14	
1901	667.6	19997.7	285.68	Early to mid July
1902	125.0	20122.7	287.47	
1903	11635.6	31758.3	453.69	
1904	339.5	32697.8	458.54	Mid June to mid July
1905	94.8	32,192.6	459.89	
1906-1910	———	35942.6	513.47	
1911-1920	———	39324.5	561.76	
1921-1940	———	40694.3	581.35	
1940-1978	———	41287.95	569.83	

PROBLEMS

AND

CONCERNS

WEATHER MODIFICATIONS-

Recent studies have stated that down wind effects by cloud seeding have been beneficial.
Residents and particularly water users within the Black's Fork drainage continue to show concerns.

**What areas are impacted by up wind cloud seeding?*
**what is the impact?*
**What is the actual down wind affect?*
**What and/how can Wyoming encourage weather modifications for the states water benefit?*
**If up wind cloud seeding is beneficial can Wyoming cooperate in these seeding projects?*

POPULATION GROWTH-

Worlds Population = 6 Billion (As of some time yesterday)

Utah's population = 2 Million

has doubled over the past 30 years
expected to double again within the next 19 years
and will double again by the year 2050.

*South West Wyoming is becoming a bedroom community for the Wasatch Front.
*Utah may seek water from Uinta Mountains.
*Local water requirements increase to meet demand due to growth.

State and Federal Governments declining capacity to provide technical and financial resources.

*Responsibility for management and protection of all water uses.

*Technical support declining

*Public needs and demands for government support increased, while government cooperation decreases.

Ever since the beginning of time,
man has been seeking
the land of milk and honey.
Ever since the beginning of time,
water has been the nectar
that has been his success or ruin.