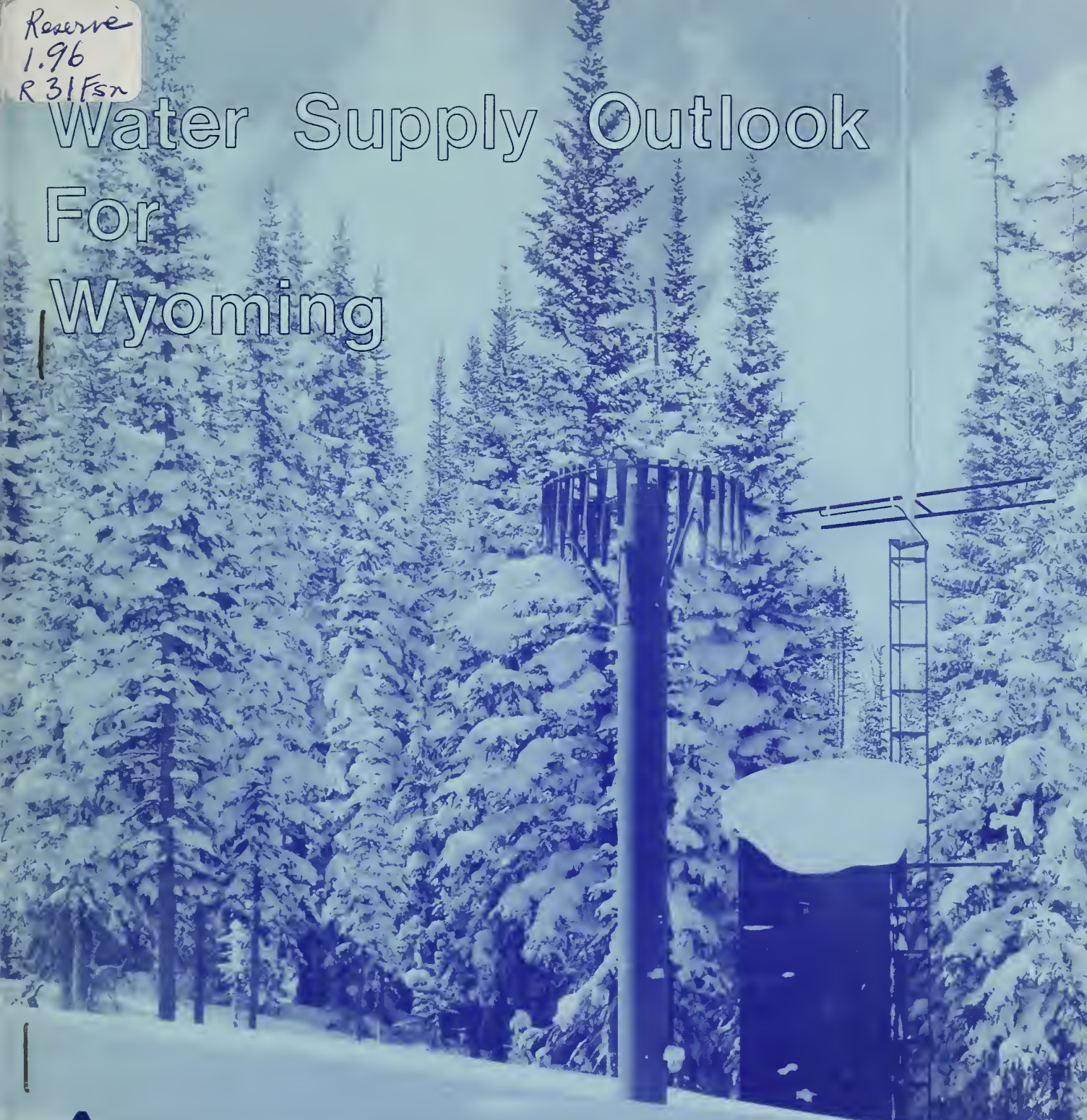


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Water Supply Outlook For Wyoming



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

STATE ENGINEER of WYOMING

AS OF
FEB. 1, 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: VIEW OF A SNOTEL DATA SITE IN THE SNOWY RANGE IN WYOMING. TALL CYLINDRICAL DEVICE IS A PRECIPITATION GAGE. SNOW PILLOWS ON THE GROUND NOT VISIBLE DUE TO SNOW COVER. SHELTER HOUSE, ANTENNA TOWER, ANTENNA, AND TEMPERATURE UNIT ARE VISIBLE BEHIND THE PRECIPITATION GAGE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



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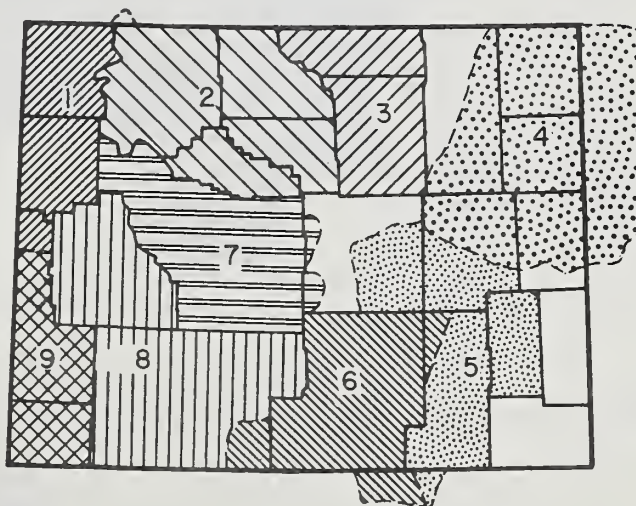
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- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
- Area 7 Wind River Basin and Sweetwater River Watershed
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Basic Data Supplement 1 - Snow data

Basic Data Supplement 2 - Precipitation data

Map and Index of Wyoming Snow Measuring Sites

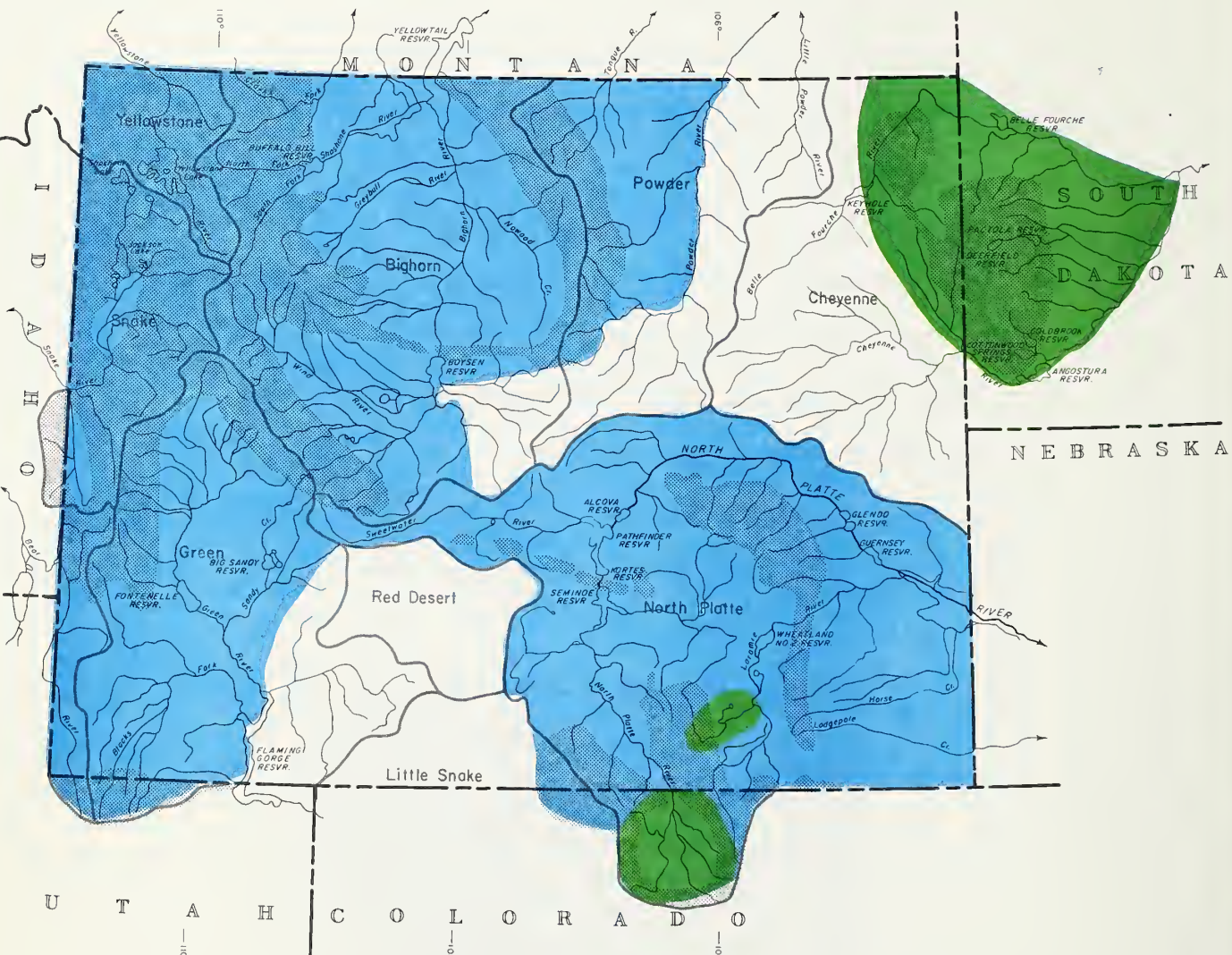


WATERSHED AREA LOCATIONS

PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

February 1, 1979

SCALE 1 : 4,250,000



FORECAST STREAM FLOW
In Percent of 1963-77, 15 Year Average

- Below 80%
- 80% - 120%
- Above 120%
- Not Forecast or Non-Irrigated
- Mountain Areas



WYOMING SUMMARY

as of
FEBRUARY 1, 1979

* * * * *
*
* Adequate water supplies are
* forecast for the spring and
* summer months in Wyoming.
* With above normal precipita-
* tion in many areas of the
* state, the snowpack is off
* to a good start for the
* season.
*
* * * * *

SNOWPACK

The mountain snowpack throughout most of the state is at or above the February 1 average. The snowpack in the upper portions of the North Platte is 24 percent above normal and 35 percent above normal in the Black Hills. The remainder of the state is generally 5 to 20 percent above normal. The only low area at this time is the Yellowstone drainage in the northwest corner of the state which is 14 percent below average.

PRECIPITATION

Seasonal precipitation amounts beginning October 1 have been well above normal in the east central and most of the western half of Wyoming. Largest departures from normal noted so far have been in the normally arid western valleys.

.....continued next page



*Snow measuring equipment
...then and now*

Most of the precipitation has occurred as snow where even in the lower elevations record cold temperatures have persisted for most of the past two months. Little in the way of melting has been occurring and the entire state is blanketed with a heavy snow cover.

STREAMFLOW

If the state receives normal amounts of precipitation during the next several months, the state should receive average to above average streamflow volumes during the spring and summer months. The lowest forecasts are for streams originating in the Wasatch Mountains of Utah and in the upper portions of the Snake and Yellowstone Rivers. The highest volumes in relation to normal are forecast for the Upper North Platte and Laramie watersheds and streams originating in the Black Hills.

RESERVOIR STORAGE

Carryover storage in Wyoming's irrigation reservoirs is good. The thirteen largest reservoirs currently contain 56 percent of their usable capacity. This is four percent above the February 1 average.

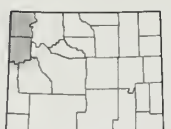
WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE

SLAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

FEBRUARY 1, 1979

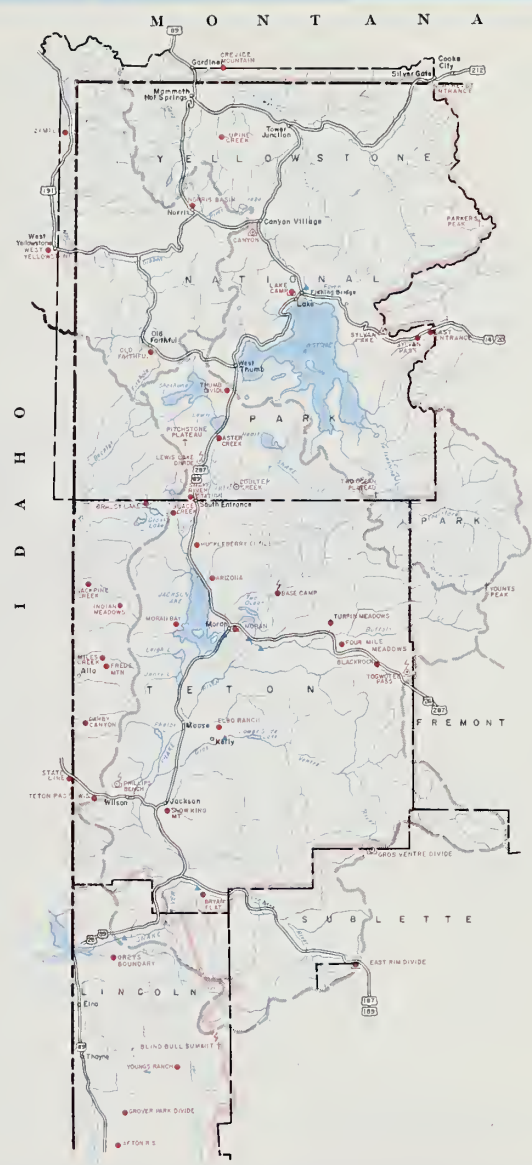


LOCATION MAP



LEGEND

- SNOTEL
- Snow Course
- ⊙ Snow Sensor
- ⊕ Aerial Marker (AI)
- ⊖ Storage Precipitation Gage (PI)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



YOUR WATER SUPPLY

SNOWPACKS IN THIS REGION VARY FROM 83% OF AVERAGE IN NORTHERN YELLOWSTONE PARK TO 118% OF NORMAL IN THE HOBACK DRAINAGE. SNAKE RIVER INFLOW TO PALISADES IS FORECAST AT 89% OF NORMAL. GREYS RIVER IS EXPECTED TO BE HIGHER AT 97% OF NORMAL. JACKSON LAKE RESERVOIR STORAGE IS 93% OF NORMAL WHILE GRASSY LAKE AND PALISADES ARE ABOUT 120% OF THE USUAL FEBRUARY 1 FIGURE.

Snake, Madison and Upper Yellowstone River Watersheds

Streamflow Forecasts

Basin, Stream and/or Forecast Point	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Yellowstone River at Yellowstone Lake Outlet	755	88	Apr-Sept	852	860
Snake River near Moran (1)	800	89	Apr-Sept	950	903p
Snake River above Palisades near Alpine (1)	2400	87	Apr-Sept	-	2755p
Snake River at Heise (2) (NWS)	3780	91	Apr-Sept	5028	4139
Pacific Creek at Moran	158	87	Apr-Sept	-	182
Greys River above Palisades	390	97	Apr-Sept	-	402p
Salt River above Palisades near Etna	370	91	Apr-Sept	-	405p
Palisades Reservoir Inflow	3420	89	Apr-Sept	4698	3863
Swift Creek near Afton	- Not Forecast -		May-Sept	-	-

(1) Observed flow plus change in storage in Jackson Lake.
 (2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 NWS Forecast by National Weather Service p-Average includes provisional data for 1977

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo. only)	2	67	83
Yellowstone (Wyo. only)	7	67	86
Snake ab Jackson Lake	8	70	95
Pacific Creek	2	79	111
Buffalo Creek	5	72	107
Gros Ventre River	3	76	102
Hoback River	7	81	118
Greys River	4	58	102
Salt River	4	69	110

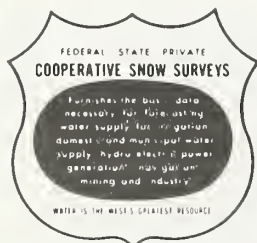
RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	12.5	8.5	10.4
Jackson Lake	847.0	570.9	307.4	612.5
Palisades	1200.0	1130.0	263.2	907.8

† 1963-1977 period.

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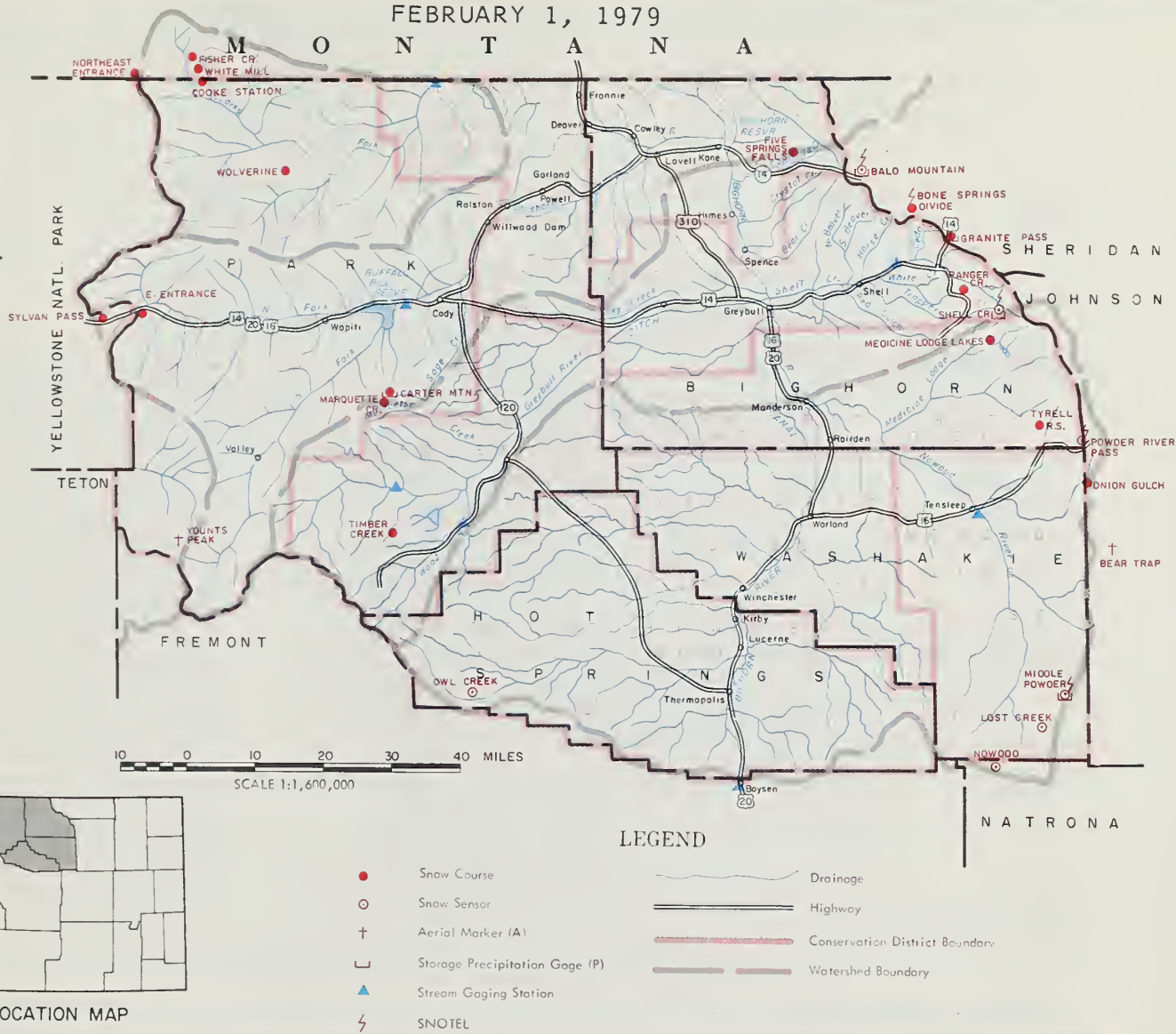
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER SUPPLY DIVISION

FEBRUARY 1, 1979



YOUR WATER SUPPLY

SUMMER STREAMFLOW ON THE GREYBULL RIVER IS EXPECTED TO BE 106% OF NORMAL WHILE THE CLARKS FORK IS FORECAST LOWEST AT 84% OF NORMAL. ALL MOUNTAIN SNOWPACKS ARE ABOVE NORMAL. RESERVOIR STORAGE IS NEAR TO ABOVE NORMAL.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River below Boysen (1) (NWS)	1240	104	Apr-Sept	1332	1193
Tensleep Creek near Tensleep	80	91	Apr-Sept	-	88*
Medicine Lodge Creek near Hyattville	22	96	Apr-Sept	-	23*
Shell Creek near Shell	75	95	Apr-Sept	97	79
Greybull River at Meeteetse	240	106	Apr-Sept	222	226
Shoshone River below Buffalo Bill Dam (2)	880	102	Apr-Sept	1037	864
Clarks Fork near Belfry	511	84	Apr-Sept	-	608

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

NWS Forecast by National Weather Service

*Less than 15 years in average

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	1	102	142
Shoshone	3	73	101
Nowood	5	80	109
Shell	4	82	105
Greybull	1	182	125

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave.†
Bald Mountain	2/02	49	14.2	19.6	15.1
Bear Trap Aerial	2/01	29	6.7	8.8	6.6
Bone Spring Divide	2/02	47	12.6	14.6	12.8
Carter Mountain	1/30	20	4.0	2.2	3.2
Cooke Station	2/01	EST	11.0	21.4	13.9
East Entrance	2/03	37	9.0	12.2	7.6
Fisher Creek	2/01	EST	19.5	32.8	28.0
Five Springs Falls	1/30	21	2.2	7.6	5.7
Marquette Creek	1/30	26	5.0	2.6	-
Medicine Lodge Lakes	2/01	36	9.0	12.3	7.6
Middle Powder	1/28	25	5.4	5.9	7.0
Northeast Entrance	2/02	30	7.7	10.6	7.4
Onion Gulch	2/01	28	6.9	8.9	6.1
Owl Creek	1/30	20	3.0	2.1	3.3
Powder River Pass	2/01	37	9.5	11.4	8.3
Ranger Creek	2/01	33	8.2	8.9	7.1
Shell Creek	2/01	44	12.0	14.5	9.9
Sylvan Pass	2/03	37	8.0	14.4	10.0
Timber Creek	D e l a y e d			0.9	2.2
Tyrell Ranger Station	2/01	29	7.0	8.6	5.8
White Mill	2/01	EST	16.0	25.6	21.2
Wolverine	1/30	43	13.2	13.0	9.3

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	331.3	295.8	348.0
Buffalo Bill	373.1	187.5	152.0	188.6
Bighorn	613.7	909.5	899.4	792.5*
Upper Sunshine	53.0	- No Report -	-	-
Lower Sunshine	58.9	- No Report -	-	-

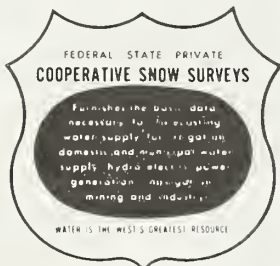
*Average for 1958-72 period

+ 1963-1977 period

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POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
Tongue River near Dayton	125	97	Apr-Sept	174	129
Middle Fork Powder River near Barnum	21	95	Apr-Sept	33	22
North Fork Powder River near Hazelton	11.1	104	Apr-Sept	17.8	10.7
Clear Creek near Buffalo	45	115	Apr-Sept	67	39
Rock Creek near Buffalo	27	104	Apr-Sept	34	26
Piney Creek at Kearny	58	102	Apr-Sept	109	57

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 † Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Tongue River	4	92	99
Goose Creek	4	96	112
Clear Creek	4	81	114
Crazy Woman Creek	2	81	114
Powder River	4	81	102

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave†
Bald Mountain	2/02	49	14.2	19.6	15.1
Bear Trap Aerial	2/01	30	6.7	8.8	6.6
Big Goose	2/01	24	5.1	4.6	4.6
Bone Spring Divide	2/02	47	12.6	14.6	12.8
Burgess Ranger Station	2/02	25	5.7	5.4	5.4
Cloud Peak Aerial	2/01	23	5.5	6.0	6.5
Dome Lake	2/01	29	7.1	6.9	6.5
Five Springs Falls	1/30	21	2.2	7.6	5.7
Geneva Pass Aerial	2/01	40	12.0	11.7	11.4
Middle Powder	1/28	25	5.4	5.9	7.0
Muddy Creek G.S.	2/01	19	4.2	3.1	2.5
North Tongue	2/02	36	9.3	9.6	9.1
Onion Gulch	2/01	28	6.9	8.9	6.1
Powder River Pass	2/01	37	9.5	11.4	8.3
Sawmill Divide	2/01	33	7.9	9.3	-
Shell Creek	2/01	44	12.0	14.5	9.9
Soldier Park	2/01	20	4.8	4.9	3.9
Sour Dough	2/01	26	5.9	4.7	4.3
Steamboat Point	2/02	24	6.1	6.2	5.3
Sucker Creek	2/02	30	7.4	8.6	8.1
Woodrock G.S.	2/01	27	6.2	N.R.	7.1

A - Aerial stadia marker. Water content estimated. † 1963-1977 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
- No Reservoir Data -				

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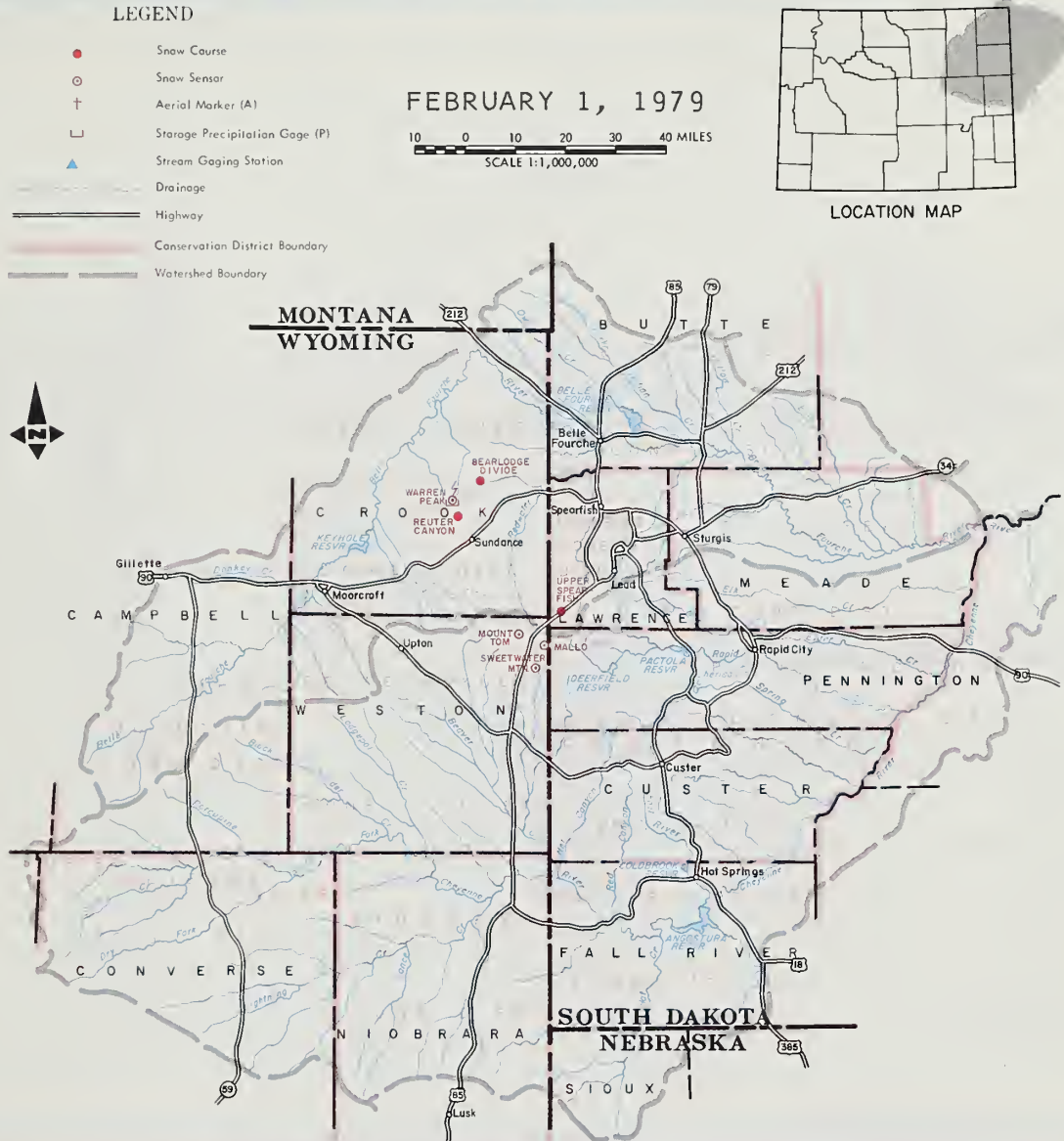


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WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA



YOUR WATER SUPPLY

SNOWPACKS IN THIS REGION ARE 35% ABOVE AVERAGE, SUMMER STREAMFLOWS ARE EXPECTED TO ALSO BE ABOVE NORMAL. RESERVOIR STORAGE IS GOOD TO EXCELLENT (6 TO 30% ABOVE NORMAL).

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
- No forecasts for this area -					

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Belle Fourche	3	130	135

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave. †
Bearlodge Divide	1/31	16	2.9	3.4	2.1
Mallo Pillow	1/28	-	6.4	4.6	-
Mount Tom Pillow	1/30	-	4.3	-	-
Reuter Canyon	1/30	36	9.4	6.4	6.4
Sweetwater Mtn. Pillow	1/27	-	4.8	-	-
Upper Spearfish	1/29	26	5.2	3.7	4.6
Warren Peak	1/30	30	7.6	5.5	6.2

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Keyhole	190.4	147.6	102.8	117.0
Belle Fourche	185.2	123.0	85.7	112.9
Angostura	86.2	79.3	26.8	60.9
Deerfield	15.1	15.0	15.2	13.7
Pactola	55.0	53.3	48.2	49.8
Shadehill	81.5	54.5	61.6	48.3

+ 1963-1977 period

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LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	810	119	Apr-Sept	876	680
Deer Creek at Glenrock	39	78	Mar-July	-	50
LaPrele Creek near Douglas (Ab. Reservoir)	26	84	Mar-July	23	31
Laramie River & Pioneer Canal near Woods (1)	140	112	Apr-Sept	149	125
Little Laramie River near Filmore	86	139	Apr-Sept	89	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Laramie River	13	92	140
Lower North Platte	4	109	98

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave †
Albany	1/29	49	14.8	15.7	10.5
Boxelder	1/30	20	3.8	5.1	4.1
Brooklyn Lake	1/29	63	20.9	23.0	14.0
Buck Creek	1/30	24	5.2	5.4	7.0
Cameron Pass	1/28	56	18.2	23.9	17.8
Casper Mountain	2/01	29	6.8	6.2	9.1
Deadman Hill	1/28	43	12.2	12.2	9.9
Evans	1/26	37	9.5	12.6	6.8
Foxpark	1/29	28	7.2	9.8	4.0
Hairpin Turn	1/29	56	17.4	19.2	11.0
Joe Wright	1/28	55	16.6	21.0	15.3
LaBonte	1/27	29	7.4	4.5	3.4
Libby Lodge	1/29	45	14.4	13.1	7.5
Lost Lake	1/28	39	10.8	11.9	7.5
Pole Mountain	1/29	25	6.1	3.5	4.3
Roach	1/28	55	15.8	15.5	11.5
Rock Creek	1/29	EST	17.5	21.3	15.7

+ 1963-1977 period.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	501.7	368.5	451.6
Pathfinder	1015.9	607.4	382.3	540.8
Alcova	30.7	3.3	4.0	-0.6
Glendo	783.7	319.7	327.1	333.1
Guernsey	45.2	7.4	14.5	7.2
Wheatland #2	98.9	41.7	14.0	42.6

PROJECT WATER OWNERSHIP

North Platte Project	1016.1	674.5	210.3
Kendrick Project	1201.6	678.7	800.2
Glendo Project Users	454.3	128.9	108.8

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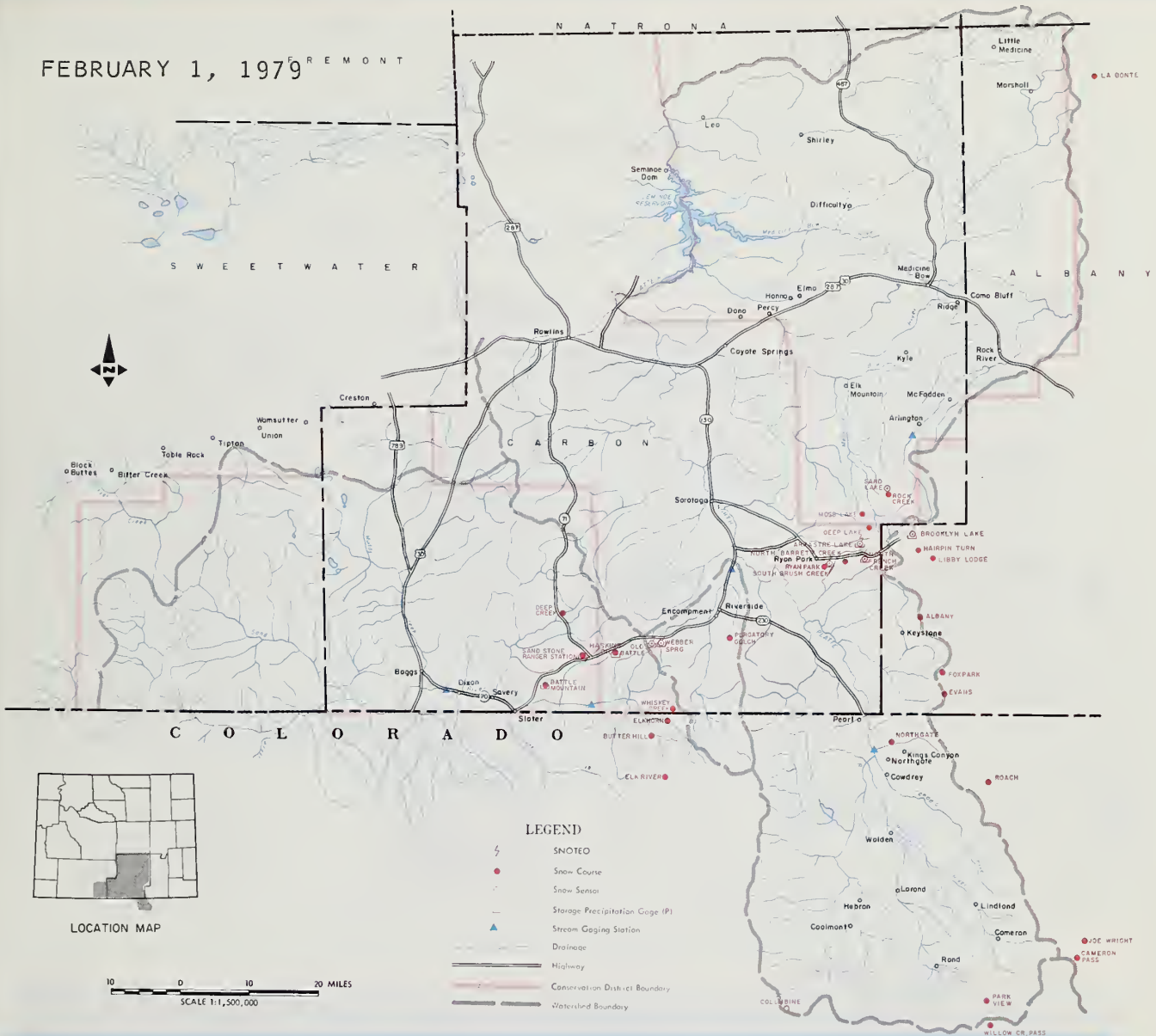
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

DEPARTMENT OF AGRICULTURE AND CONSERVATION SERVICE
FEDERAL GOVERNMENT

FEBRUARY 1, 1979



YOUR WATER SUPPLY

ABOUT 20% ABOVE NORMAL STREAMFLOWS ARE FORECAST FOR SPRING AND SUMMER IN THESE BASINS. THE SNOW CONDITIONS ARE EXCELLENT AT THIS TIME HAVING 20 TO 24% ABOVE AVERAGE AMOUNTS. SEMINOE RESERVOIR STORAGE VOLUME IS 11% ABOVE THE AVERAGE FEBRUARY 1 FIGURE.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Northgate	300	126	Apr-Sept	328	238
North Platte River near Sinclair	810	119	Apr-Sept	876	680
Encampment River near Encampment	180	118	Apr-Sept	204	152
Rock Creek near Arlington	69	121	Apr-Sept	77	57
Little Snake near Dixon	380	119	Apr-Sept	389	320p
Little Snake near Slater, Colo.	175	114	Apr-Sept	212	154p

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.
p Provisional data used for 1977 in 15 year average

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	15	88	124
Medicine Bow River and Rock Creek	4	83	120
Little Snake	2	91	122

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	501.7	368.5	451.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave. †
Albany	1/29	49	14.8	15.7	10.5
Battle Mountain	1/31	37	9.2	9.9	-
Brooklyn Lake	1/29	63	20.9	23.0	14.0
Butter Hill	2/01	45	12.0	12.5	-
Cameron Pass	1/28	56	18.2	23.9	17.8
Deep Creek	1/31	48	13.1	13.1	-
Deep Lake	1/29	EST	30.0	36.7	26.4
Elkhorn	1/31	EST	21.0	23.8	-
Elk River	1/25	55	14.6	17.9	11.6
Evans	1/26	37	9.5	12.6	6.8
Foxpark	1/29	28	7.2	9.8	4.0
Hairpin Turn	1/29	56	17.4	19.2	11.0
Haskins Creek	1/31	EST	24.0	28.5	-
LaBonte	1/27	29	7.4	4.5	3.4
Libby Lodge	1/29	45	14.4	13.1	7.5
Moss Lake	1/29	EST	18.0	23.6	16.1
North Barrett Creek	1/30	52	16.0	14.9	13.6
North French Creek Pillow	1/31	-	17.4	20.0	14.8
Old Battle	1/31	EST	26.4	27.2	22.0
Purgatory Gulch	-	No Report	-	7.5	7.3
Rock Creek	1/29	EST	17.5	21.3	15.7
Ryan Park	1/30	34	8.6	9.0	7.6
Sandstone R.S.	1/31	48	13.8	14.3	-
Webber Spring	1/31	EST	18.0	21.2	14.5
Whiskey Creek	1/31	EST	25.0	28.3	-

+ 1963-1977 period

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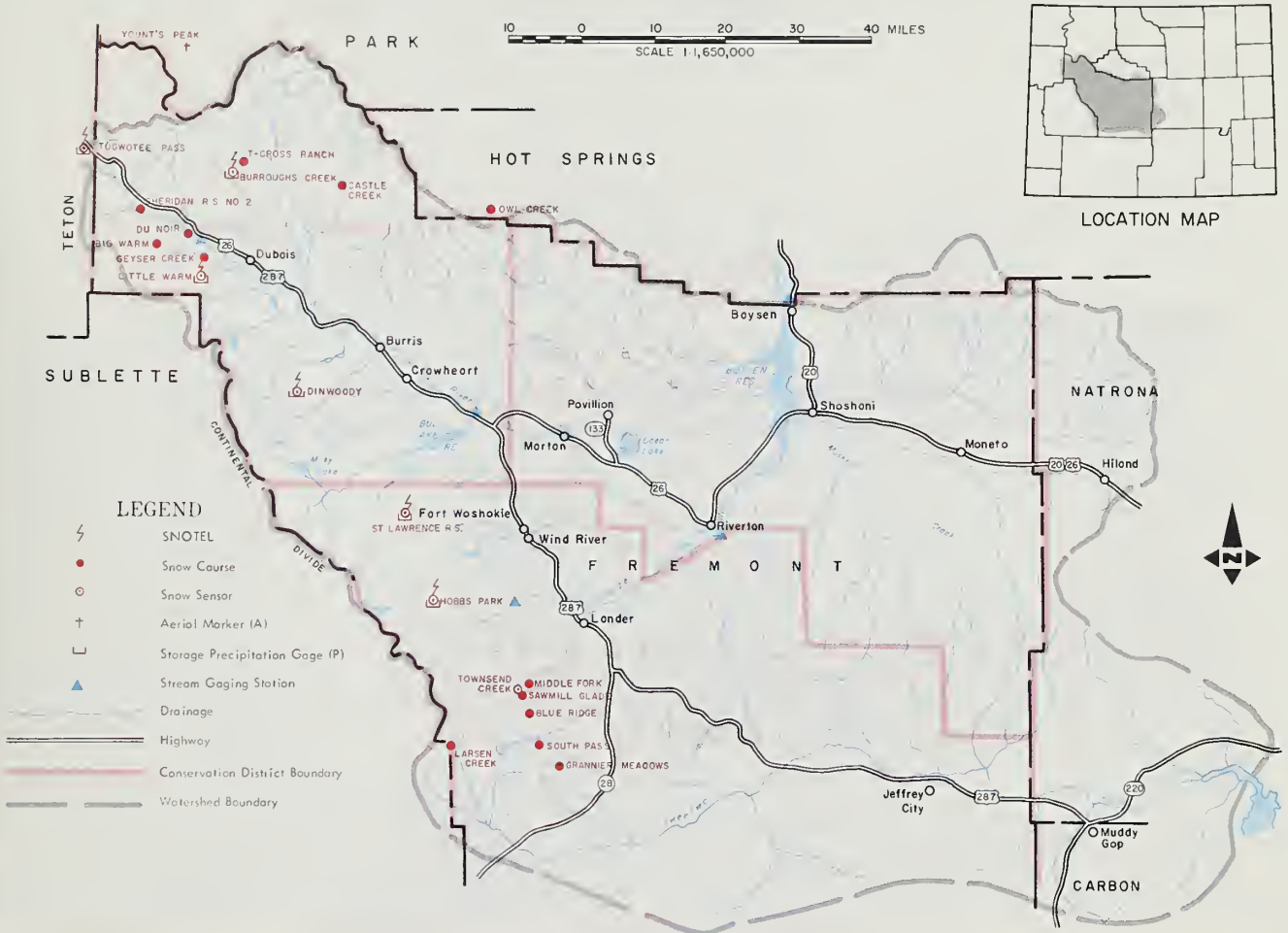


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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1979



YOUR WATER SUPPLY

THE FEBRUARY 1 OUTLOOK FOR SPRING AND SUMMER IS FOR NORMAL TO A LITTLE ABOVE NORMAL STREAMFLOWS. MOUNTAIN SNOWPACKS RANGE FROM 12 TO 22% ABOVE NORMAL. RESERVOIR STORAGE IN THIS WATERSHED IS HIGH AT PILOT BUTTE (28% ABOVE NORMAL) AND LOW AT BOYSEN WITH 5% BELOW NORMAL.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River near Dubois	112	102	Apr-Sept	-	110
Wind River at Riverton (1)	730	105	Apr-Sept	780	695
Wind River below Boysen (2) (NWS)	1240	104	Apr-Sept	1332	1193
Bull Lake Creek near Lenore (3)	190	100	Apr-Sept	-	189
Little Popo Agie near Lander	53	100	Apr-Sept	53	53

- (1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.
 (3) Observed flow plus change in storage in Bull Lake
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 † NWS Forecast by National Weather Service

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Wind River	9	80	120
Popo Agie	5	127	112
Sweetwater	3	104	122
Wind River ab. Boysen	15	94	118

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave. †
Big Warm Springs	1/30	25	5.5	6.4	4.6
Blue Ridge	1/31	38	9.6	7.6	8.4
Burroughs Creek	1/31	42	12.0	17.7	9.7
Castle Creek	1/29	23	4.5	5.6	-
Dinwoody	1/30	38	9.1	8.7	7.8
DuNoir	1/30	36	8.8	8.3	5.9
Geyser Creek	1/30	31	7.8	7.5	5.1
Grannier Meadows	1/31	46	12.8	10.8	9.6
Hobbs Park	1/30	35	8.5	8.8	9.4
Larsen Creek	1/30	40	9.8	12.8	9.2
Little Warm	1/30	43	11.6	16.2	10.6
Middle Fork	1/31	27	6.1	2.8	3.9
Owl Creek	1/30	20	3.0	2.1	3.3
Sawmill Glade	1/31	25	7.4	4.4	6.0
Sheridan Ranger Station	2/01	33	8.3	7.0	5.2
South Pass	1/31	47	12.7	10.3	10.1
St. Lawrence R.S.	1/30	26	5.2	3.0	4.7
T-Cross Ranch	1/31	33	8.3	9.0	4.9
Togwotee Pass	1/31	62	19.0	29.3	10.1
Younts Peak Aerial	- Delayed -	-	-	-	3.8

+ 1963-1977 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	106.4	79.4	93.3
Pilot Butte	31.6	18.8	5.9	14.7
Boysen	549.9	331.3	295.8	348.0

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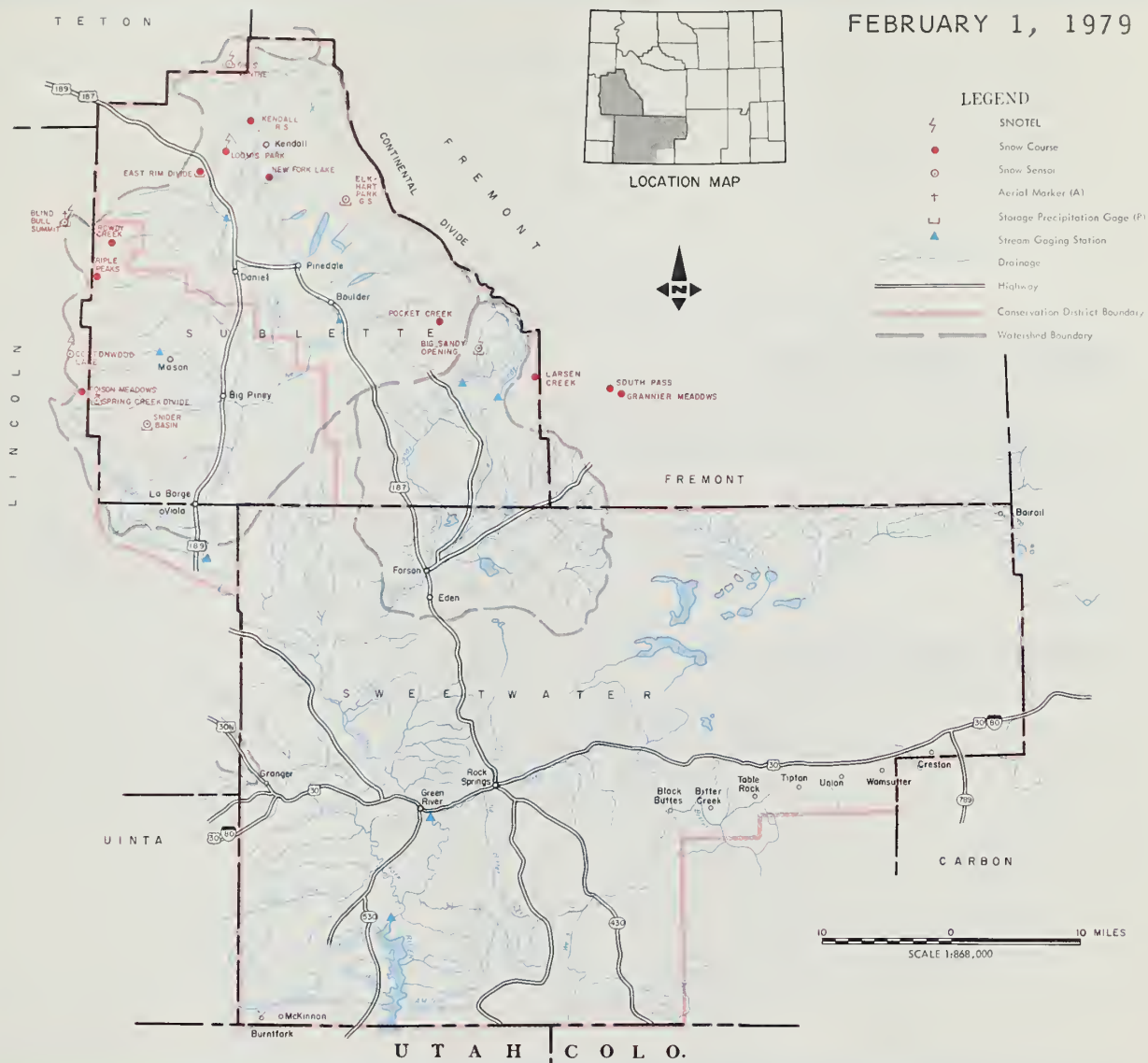
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

FEBRUARY 1, 1979



YOUR WATER SUPPLY

POTENTIAL SPRING AND SUMMER STREAMFLOWS ARE NEAR NORMAL ON THE GREEN RIVER WITH 10% ABOVE NORMAL EXPECTED FROM THE BIG SANDY RIVER. SNOWPACKS VARY FROM 1% ABOVE NORMAL ON THE WEST SIDE TO 17% ABOVE NORMAL ON THE BIG SANDY. BIG SANDY RESERVOIR IS STORING 31% ABOVE NORMAL VOLUME WHILE OTHER RESERVOIRS ARE NEAR NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	340	101	Apr-Sept	359	336p
Green River near LaBarge	930	93	Apr-Sept	1242	999p
Green River near Green River (1)	1000	91	Apr-Sept	1291	1094p
Flaming Gorge Inflow (NWS)	1300	101	Apr-July	1470	1292
LaBarge Creek at LaBarge Meadows	9.4	107	Apr-Sept	11.6	8.8p
Big Sandy River near Big Sandy	69	110	Apr-Sept	75	63p

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

NWS Forecast by National Weather Service p - Average includes provisional data for 1977

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
		Upper Green, East Side	8
Upper Green, West Side	5	62	101
Big Sandy	2	92	117

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave †
Big Sandy Opening	1/30	48	11.8	12.5	9.6
Blind Bull Summit Aerial	1/30	60	18.0	31.8	18.9
East Rim Divide	1/31	41	10.8	13.4	9.4
Elkhart Park G.S.	1/30	42	9.9	13.2	9.3
Grannier Meadows	1/31	46	12.8	10.8	9.6
Gros Ventre Summit	1/29	35	8.2	9.0	8.6
Kendall Ranger Station	1/29	42	10.7	13.8	9.2
Larsen Creek	1/30	40	9.8	12.8	9.2
Loomis Park	1/31	51	14.1	20.6	12.8
New Fork Lake	1/29	40	9.8	13.5	8.1
Pocket Creek	1/30	43	9.2	10.4	8.4
Poison Meadows	1/29	68	19.2	33.1	20.1
Rowdy Creek	1/28	53	15.6	25.4	15.8
Snider Basin R. S.	1/29	45	13.4	20.2	11.7
South Pass	1/31	47	12.7	10.3	10.1
Spring Creek Divide Pillow	1/29	-	14.7	23.2	-
Triple Peaks	1/28	57	17.6	32.0	18.7

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
		Eden	11.8	N.R.
Big Sandy	38.3	24.7	8.9	18.8
Fontenelle	344.8	255.1	251.6	273.3
Flaming Gorge	3749.0	2595.4	1987.5	-

*Less than 15 years

+ 1963-1977 period

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1979



YOUR WATER SUPPLY

SNOWPACKS ARE SLIGHTLY ABOVE AVERAGE THROUGHOUT THIS WATERSHED. MOST STREAMFLOWS THIS SUMMER WILL BE NEAR NORMAL WITH LA BARGE CREEK BEING HIGHEST AT 7% ABOVE NORMAL AND THE BEAR RIVER LOWEST AT 18% BELOW NORMAL. STORAGE IN VIVA NAUGHTON RESERVOIR IS ABOVE NORMAL.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	9.4	107	Apr-Sept	11.6	8.8p
Green River near Green River (1)	1000	91	Apr-Sept	1291	1094p
Hams Fork below Pole Creek, near Frontier	66	92	Apr-Sept	96	72
Blacks Fork near Millburne	80	87	Apr-July	-	92
Flaming Gorge Inflow (NWS)	1300	101	Apr-July	1470	1292
Smiths Fork near Border	125	104	Apr-Sept	160	120p
Thomas Fork near State Line	36	102	Apr-Sept	54	35p
Bear River at Utah-Wyoming State Line	93	82	Apr-July	115	114

(1) Observed flow plus change in storage in Fontenelle Reservoir.
 ** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.
 NWS Forecast by National Weather Service p - Average includes provisional data for 1977

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	1	88	104
Smiths & Thomas Forks	4	66	103

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave†
Big Park	1/29	47	13.6	20.4	13.3
Blacks Fork GS-East Fk.	1/30	25	6.4	7.2	-
Blacks Fork Junction	1/30	29	6.9	6.6	-
Burts-Miller Ranch	1/30	20	4.5	4.5	-
CCC Camp	1/30	38	9.6	14.6	8.6
Hayden Fork	1/30	36	9.2	12.4	-
Hewinta Guard Station	1/30	27	6.3	6.5	-
Hickerson Park	1/30	25	5.0	3.4	-
Kelley R.S.	1/29	50	13.0	19.0	11.9
Poison Meadows	1/29	68	19.2	33.1	20.1
Salt River Summit	1/30	46	12.2	18.0	11.0
South Thomas Fork	1/29	41	10.8	17.2	11.8
Spirit Lake	1/30	39	9.8	4.1	-
Stillwater Camp	1/30	33	7.8	8.0	-
Trial Lake	2/03	61	16.8	21.1	15.6

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	255.1	251.6	273.7*
Flaming Gorge	3749.0	2595.4	1987.5	-
Viva Naughton	42.4	34.5	20.8	-

*Less than 15 years

+ 1963-1977 period

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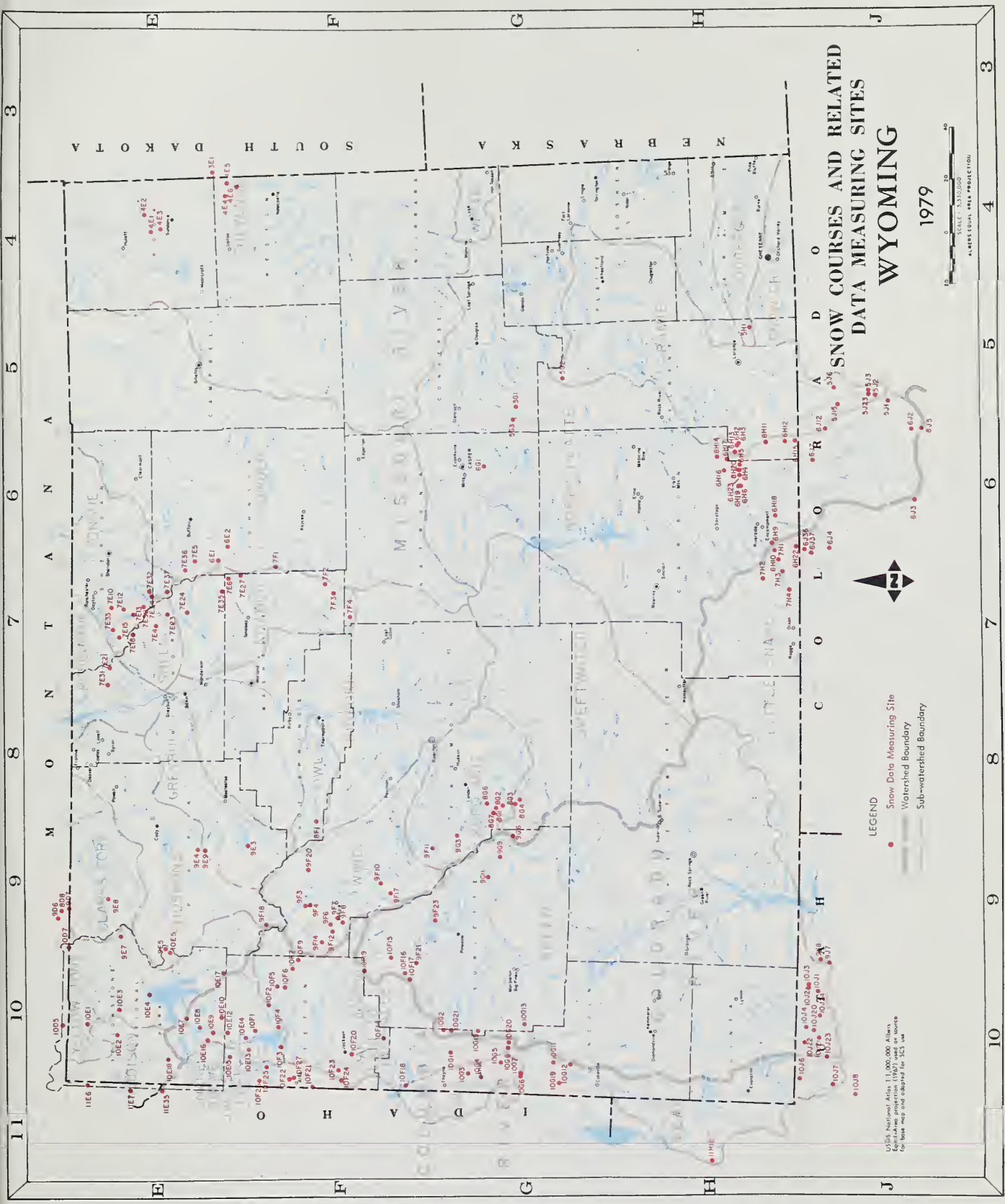
BASIC DATA SUPPLEMENT 1

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (in.)	Water Cont. (In.)	Water Content (Inches)			Date of Survey	Snow Depth (in.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †					Last Yr.	Ave. †
Afton Ranger Station	1/30	22	4.2	4.2	3.4	Geyser Creek	1/30	31	7.8	7.5	5.1
Albany	1/29	49	14.8	15.7	10.5*	Glade Creek	1/29	59	17.7	22.5	15.8
Arizona	1/30	48	13.4	18.3	13.3	Grannier Meadows	1/31	46	12.8	10.8	9.6
Arrastre Lake Pillow	1/31	-	16.7	N.R.	-	Grassy Lake	1/29	82	24.9	30.8	24.8
Aster Creek	1/29	59	17.7	26.6	21.4	Greys Boundary	1/30	44	10.2	14.4	7.9
Bald Mountain	2/02	49	14.2	19.6	15.1	Gros Ventre Summit	1/29	35	8.2	9.0	8.6
Base Camp	1/30	52	15.3	22.0	14.9	Gros Ventre Summit Pillow	1/29	-	10.0	10.3	-
Battle Mountain	1/31	37	9.2	9.9	-	Grover Park Divide	1/30	35	8.4	13.4	8.4
Bearlodge Divide	1/31	16	2.9	3.4	2.1*	Hairpin Turn	1/29	56	17.4	19.2	11.0
Bear Trap Aerial	2/02	29	6.7	8.8	6.6	Haskins Creek	1/31	EST	24.0	28.5	-
Big Goose	2/01	24	5.1	4.6	4.6	Hayden Fork	1/30	36	9.2	12.4	-
Big Park	1/29	47	13.6	20.4	13.3	Hewinta Guard Station	1/30	27	6.3	6.5	-
Big Sandy Opening	1/30	48	11.8	12.5	9.6	Hickerson Park	1/30	25	5.0	3.4	-
Big Sandy Opening Pillow	1/30	-	12.2	10.7	-	Hobbs Park	1/30	35	8.5	8.8	9.4
Big Warm Springs	1/30	25	5.5	6.4	4.6	Hobbs Park Pillow	1/30	-	9.8	-	-
Blackrock	1/31	50	14.6	21.8	14.8	Huckleberry Divide	1/30	57	16.2	21.3	15.0
Blacks Fork GS-East Fk	1/30	25	6.4	7.2	-	Indian Meadows	1/29	76	21.6	32.6	-
Blacks Fork Junction	1/30	29	6.9	6.6	-	Jackpine Creek	1/29	52	14.2	19.2	14.9e
Blind Bull Summit Aerial	1/30	60	18.0	31.8	18.9	Joe Wright	1/28	55	16.6	21.0	15.3
Blue Ridge	1/31	38	9.6	7.6	8.4	Kelley Ranger Station	1/29	50	13.0	19.0	11.9
Bone Spring Divide	2/02	47	12.6	14.6	12.8	Kelley R.S. Pillow	1/29	-	11.4	-	-
Boxelder	1/30	20	3.8	5.1	4.1	Kendall Ranger Station	1/29	42	10.7	13.8	9.2
Brooklyn Lake	1/29	63	20.9	23.0	14.0	LaBonte	1/27	29	7.4	4.5	3.4
Brooklyn Lake Pillow	1/29	-	15.8	N.R.	-	Lake Camp	2/02	32	6.9	9.5	6.4*
Bryan Flat	1/30	38	9.2	8.4	6.4	Larsen Creek	1/30	40	9.8	12.8	9.2*
Buck Creek	1/30	24	5.2	5.4	7.0*	Lewis Lake Divide	1/29	77	24.3	43.3	28.6
Burgess Ranger Station	2/02	25	5.7	5.4	5.4	Lewis Lake Divide Pillow	1/31	-	19.5	35.7	-
Burroughs Creek	1/31	42	12.0	17.7	9.7	Libby Lodge	1/29	45	14.4	13.1	7.5
Burroughs Creek Pillow	1/31	-	10.7	N.R.	-	Little Warm	1/30	43	11.6	16.2	10.6
Burts-Miller Ranch	1/30	20	4.5	4.5	-	Little Warm Pillow	1/31	-	8.3	-	-
Butter Hill	2/01	45	12.0	12.5	-	Loomis Park	1/31	51	14.1	20.6	12.8
Cameron Pass	1/28	56	18.2	23.9	17.8	Lost Lake	1/28	39	10.8	11.9	7.5
Canyon	1/31	44	10.6	15.1	11.4*	Lupine Creek	1/30	29	5.6	8.8	7.9*
Canyon Pillow	- Delayed	-	-	12.8	-	Mallo Pillow	1/28	-	6.4	4.6	-
Carter Mountain	1/30	20	4.0	2.2	3.2	Marquette Creek	1/30	26	5.0	2.6	-
Casper Mountain	2/01	29	6.8	6.2	9.1	Medicine Lodge Lakes	2/01	36	9.0	12.3	7.6*
Casper Mountain Pillow	2/01	-	5.3	5.5	-	Middle Fork	1/31	27	6.1	2.8	3.9*
Castle Creek	1/29	23	4.5	5.6	-	Middle Powder	1/28	25	5.4	5.9	7.0
CCC Camp	1/30	38	9.6	14.6	8.6	Middle Powder Pillow	1/28	-	5.6	5.8	-
Chambers Lake	1/28	32	9.3	10.9	5.9	Miles Creek	1/29	36	8.9	10.8	8.7e
Cloud Peak Aerial	2/01	23	5.5	6.0	6.5	Monte Cristo	1/30	55	16.9	19.3	16.3
Columbine Lodge	1/26	67	19.4	26.5	14.5	Moran	1/30	45	12.1	12.8	9.7
Cooke Station	2/01	EST	11.0	21.4	13.9	Moran Bay	1/30	63	17.7	N.R.	15.7*
Cottonwood Lake Aerial	1/30	46	12.0	23.0	11.8	Moss Lake	1/29	EST	18.0	23.6	16.1*
Coulter Creek	1/29	59	12.1	4.5	-	Mount Tom Pillow	1/30	-	4.3	N.R.	-
Darby Canyon	1/29	52	14.2	17.6	15.4e	Muddy Creek Guard Station	2/01	19	4.2	3.1	2.5*
Deadman Hill	1/29	43	12.2	12.2	9.9	New Fork Lake	1/29	40	9.8	13.5	8.1
Deep Creek	1/31	48	13.1	13.1	-	Norris Basin	1/30	32	6.0	9.6	8.6
Deep Lake	1/29	EST	30.0	36.7	26.4*	North Barrett Creek	1/30	52	16.0	14.9	13.6*
Dinwoody	1/30	38	9.1	8.7	7.8	Northeast Entrance	2/02	30	7.7	10.6	7.4
Dinwoody Pillow	1/30	-	7.6	N.R.	-	Northeast Entrance Pillow	2/02	-	7.2	8.6	7.2*
Dome Lake	2/01	29	7.1	6.9	6.5	North French Creek Pillow	1/31	-	17.4	20.0	14.8*
DuNoir	1/30	36	8.8	8.3	5.9	Northgate	1/26	20	4.0	4.2	4.0
East Entrance	2/03	37	9.0	12.2	7.6	North Tongue	2/02	36	9.3	9.6	9.1
East Rim Divide	1/31	41	10.8	13.4	9.4*	Old Battle	1/31	EST	26.4	27.2	22.0
Elbo Ranch	1/31	41	10.6	10.8	-	Old Battle Pillow	1/31	-	28.8	32.1	-
Elkhart Park G.S.	1/30	42	9.9	13.2	9.3	Old Faithful	2/01	39	10.6	14.1	-
Elkhorn	1/31	EST	21.0	23.8	-	Onion Gulch	2/01	28	6.9	8.9	6.1*
Elk River	1/25	55	14.6	17.9	11.6	Owl Creek	1/30	20	3.0	2.1	3.3
Evans	1/26	37	9.5	12.6	6.8	Parkers Peak Aerial	- Delayed	-	-	34.7	20.1*
Fisher Creek	2/01	EST	19.5	32.8	28.0e	Park View	1/26	36	7.5	6.3	6.0*
Fisher Creek Pillow	2/01	EST	21.6	29.2	26.6e	Phillips Bench	1/29	72	23.4	28.5	17.8
Five Springs Falls	1/30	21	2.2	7.6	5.7	Phillips Bench Pillow	1/29	-	18.3	26.0	-
Four Mile Meadows	1/31	38	9.9	13.8	9.2	Pitchstone Plateau Aerial	- Delayed	-	-	-	36.9*
Foxpark	1/29	28	7.2	9.8	4.0	Pocket Creek	1/30	43	9.2	10.4	8.4
Freds Mountain	1/29	53	13.6	21.6	13.9e	Poison Meadows	1/29	68	19.2	33.1	20.1
Geneva Pass Aerial	2/02	46	12.0	11.7	11.4	Pole Mountain	1/29	25	6.1	3.5	4.3

BASIC DATA SUPPLEMENT 1

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)			Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †					Last Yr.	Ave. †
Powder River Pass	2/01	37	9.5	11.4	8.3*						
Purgatory Gulch	- No Report			7.5	7.3*						
Rabbit Ears	1/26	69	18.3	24.8	15.8						
Ranger Creek	2/01	33	8.2	8.9	7.1						
Reuter Canyon	1/30	36	9.4	6.4	6.4*						
Roach	1/28	55	15.8	15.5	11.5						
Rock Creek	1/29	EST	17.5	21.3	15.7*						
Rowdy Creek	1/28	53	15.6	25.4	15.8						
Ryan Park	1/30	34	8.6	9.0	7.6*						
Salt River Summit	1/30	46	12.2	18.0	11.0						
Salt River Summit Pillow	1/30	-	12.3	-	-						
Sandstone Ranger Station	1/31	48	13.8	14.3	-						
Sawmill Divide	2/01	33	7.9	9.3	-						
Sawmill Glade	1/31	25	7.4	4.4	6.0						
Shell Creek	2/01	44	12.0	14.5	9.9						
Sheridan Ranger Station	2/01	33	8.3	7.0	5.2						
Snake River Station	1/29	54	15.6	21.8	14.6						
Snider Basin R.S.	1/29	45	13.4	20.2	11.7						
Snow King Mountain	1/30	46	12.7	14.5	10.5						
Soldier Park	2/01	20	4.8	4.9	3.9						
Sour Dough	2/01	26	5.9	4.7	4.3						
South Brush Creek Pillow	1/31	-	7.1	5.7	-						
South Pass	1/31	47	12.7	10.3	10.1						
South Thomas Fork	1/29	41	10.8	17.2	11.8*						
Spirit Lake	1/30	39	9.8	4.1	-						
Spring Creek Divide Pillow	1/29	-	14.7	23.2	-						
State Line	1/29	46	12.4	10.8	10.0						
Steamboat Point	2/02	24	6.1	6.2	5.3						
Steel Creek Park	1/30	37	9.0	11.6	-						
Stillwater Camp	1/30	33	7.8	8.0	-						
St. Lawrence R.S.	1/30	26	5.2	3.0	4.7						
St. Lawrence R.S. Pillow	1/30	-	6.7	3.3	-						
Sucker Creek	2/02	30	7.4	8.6	8.1						
Sweetwater Mountain Pillow	1/27	-	4.8	-	-						
Sylvan Pass	2/03	37	8.0	14.4	10.0						
T-Cross Ranch	1/31	33	8.3	9.0	4.9						
Teton Pass W.S.	1/29	67	21.8	23.7	16.8*						
Thumb Divide	1/29	44	11.3	16.3	15.1						
Timber Creek	- Delayed	-	-	0.9	2.2						
Togwotee Pass	1/31	62	19.0	29.3	20.1						
Togwotee Pass Pillow	1/31	-	16.6	26.5	-						
Townsend Creek	1/31	27	5.8	3.1	-						
Trial Lake	2/03	61	16.8	21.1	15.6						
Triple Peaks	1/28	57	17.6	32.0	18.7						
Turpin Meadows	1/31	38	10.1	13.1	7.7						
Twenty-One Mile	1/28	38	9.7	15.9	13.6						
Two Ocean Plateau Aerial	- Delayed	-	-	-	20.8*						
Tyrell Ranger Station	2/01	29	7.0	8.6	5.8						
Upper Spearfish	1/29	26	5.2	3.7	4.6						
Warren Peak	1/30	30	7.6	5.5	6.2*						
Webber Spring	1/31	EST	18.0	21.2	14.5						
Webber Spring Pillow	- No Report			-	-						
West Yellowstone	1/28	32	7.8	11.0	8.9						
Whiskey Creek	1/31	EST	25.0	28.3	-						
White Mill	2/01	EST	16.0	25.6	21.2e						
White Mill Pillow	2/01	EST	15.0	23.2	17.8e						
Willow Creek Pass	1/26	45	10.8	9.9	7.8						
Wolverine	1/30	43	13.2	13.0	9.3*						
Wood Rock G.S.	2/01	27	6.2	-	7.1						
Young's Ranch Aerial	1/30	54	12.4	24.4	11.9*						
Younts Peak Aerial	- Delayed	-	-	-	13.8*						

* Less than 15 years
e Estimated average



LEGEND

- Snow Data Measuring Site
- Watershed Boundary
- - - Sub-watershed Boundary

USGS, National Atlas, 1:1,000,000. Alterations for this map were made for the purpose of showing snow courses for base map and adapted for SCS use.

SCALE 1:250,000
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1979

SNOW COURSES AND RELATED DATA MEASURING SITES WYOMING

INDEX TO WYOMING SNOW COURSES AND DATA SITES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	SEC. LAT.	LONG. LONG.	DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	SEC. LAT.	LONG. LONG.
MISSOURI RIVER DRAINAGE									
Madison River									
Black Bear m	11E35	7950	27	155	Steamboat Point	7E10	7560	29	56N
Norris Basin	10E2	7500	44°05'	110°42'	Sucker Creek	7E12*	8880	44°04'	107°24'
Old Faithful	10E18	7400	44°07'	110°49'	Wood Rock C.S.	7E13	8440	44°01'	107°27'
21 Mile m	11E6	7150	1	115	5E				
West Yellowstone m	11E7	6700	34	135	5E				
Yellowstone									
Canyon	10E3*	7940	44°04'	110°30'	Beas Top	7E14	7090	3	45N
Grovice Mountain m	10D5	8400	22°00'	9E	Clouds Peak	7E16A*	9850	42°02'	107°05'
East Entrance	10E2*	7780	44°03'	110°09'	Hiddle Powder	7E2*	7760	9	42N
Lupine Creek	10E1	7380	44°05'	110°37'	Huddy Creek G.S.	7E2*	7820	4	48N
Northeast Entrance m	10D7*	7400	33	9E	14E				
Parker's Peak	9E7A	9400	44°04'	109°55'	Onion Gulch	7E22P	8780	31	48N
Pitchstone Plateau	10E16A	8520	44°01'	110°24'	Soldier Pass	7E5	8780	44°02'	107°00'
South Pass	10E17A	9160	44°09'	110°12'	Sour Ough	6E1	8460	44°01'	107°00'
Sylvan Pass	10E5*	7100	44°09'	110°02'	Sweetwater	8E	9020	19	30N
Clark's Fork									
Conks Station m	9E7	8350	19	9E	15E				
Fisher Creek m	9E6	8199	11	9E	14E				
Parker's Peak m	9E7A	9400	44°04'	109°55'	14E				
White Mill m	9E8	8700	11	9E	13E				
Wolverine	9E8	7650	44°08'	109°39'	Laramie River				
Wind River									
Big Horn	9F12	8370	29	42N	108W				
Barrongh's Creek	9F4*	8750	43°01'	109°40'	Brooklyn Lake	5H13*	10520	16	78W
Castle Creek	9E20	8400	19	43N	104W				
Coninony	9F10	1160	2	38N	103W				
Geyser Creek	9E7	8500	6	41N	107W				
Little Warm	9F8*	9620	24	41N	108W				
Sheddan R.S.	9F14	7720	3	42N	109W				
T-Cross Ranch	9F3	7900	1	43N	107W				
Togooce Pass	10P9*	9380	26	41N	110W				
Popo Agie River									
Blue Ridge	8E2	9620	23	31N	101W				
Hobbs Park	9E3*	10100	22	2S	3W				
Hiddle Powder	7E2*	8740	25	31N	101W				
South Pass	8E3	9040	13	30N	101W				
St. Lawrence R.S.	9F11*	8960	26	1N	4W				
Townsend Creek	8E7*	8700	42°01'	108°33'	North Platte				
Owl Creek									
Owl Creek	8F1*	8975	29	43N	101W				
Greybull River									
Timber Creek	9E3P	7950	23	47N	103W				
Shoshone River									
Cartier Mountain	9E4P	7950	10	50N	103W				
East Entrance	9E5	6960	44°09'	110°00'	North Fork	6H20*	10125	27	16N
Harquette Creek	9E9	8760	16	50N	103W				
Sylvan Pass	10E3*	7100	44°29'	110°02'	Old Battle	6H10*	9200	29	14N
Tout's Fork	9F10A	8350	43°36'	109°43'	Park View c	612	9200	24	5N
Newwood Creek									
Beet Trap	7E1A	7900	3	45N	85W				
Lost Creek	7E03*	7950	45°31'	107°15'	Regory Gulch	6H12*	9970	41°08'	17N
Middle Powder	7E2*	8740	3	51N	86W				
Wood	7E04*	8600	43°27'	107°21'	Ryan Park	616	8350	28	16N
Onion Gulch	7E22P	8780	31	48N	85W				
Powder River Pass	7E6*	9480	6	48N	85W				
Tyrell R.S.	7E35	8350	30	49N	86W				
Shell Creek									
Sald Mountain	7E21*	9380	29	56N	91W				
Banc Spring Divide	7E18*	9350	44°00'	107°34'	Colorado River Drainage				
Ranger Creek	7E4	8120	30	53N	88W				
Shell Creek	7E23*	9380	44°00'	107°26'	Green River above Green River				
Porcupine Creek									
Five Springs Falls	7E31	7620	20	56N	92W				
Tongue River									
St. George	7E32	7160	4	53N	86W				
8one Spring Divide	7E18*	9350	44°00'	107°24'	Big Sandy Opening	9E9*	9080	21	31N
Burgess R.S.	7E33*	7880	36	56N	89W				
Dome Lake	7E34*	8870	44°01'	107°18'	Blind Bull Summit	10E2*	8650	42°57'	110°36'
Groves Pass	7E37A	9400	44°02'	107°17'	Essie Rim Divide	9E17*	9400	42°00'	37N
Norva Tongue	7E15	8650	8	55N	89W				
Sawall Divide	7E38	9260	44°03'	107°23'	Conventre	10F19*	8750	35	40N
Green River below Green River									
Big Park	10C11	8620	7	27N	111W				
CCC Camp	10E10	7900	19	3N	10E				
Hayden Fork	10E12*	8180	1	26N	118W				
Kelley R.S.	10C12*	8180	1	26N	118W				
Monte Cristo R.S.	10C13*	8960	42°03'	110°04'	Poison Meadows	10C5*	7700	42°03'	110°04'
Poison Meadows	10C4*	7800	42°03'	110°04'	South Thomas Fork	10C9	7840	42°03'	110°04'
Trial Lake u	10C8	9800	5	2S	9E				
Beaver River									
Blag Park	10C11	8620	7	27N	111W				
CCC Camp	10E10	7900	19	3N	10E				
Hayden Fork	10E12*	8180	1	26N	118W				
Kelley R.S.	10C12*	8180	1	26N	118W				
Monte Cristo R.S.	10C13*	8960	42°03'	110°04'	Poison Meadows	10C5*	7700	42°03'	110°04'
Poison Meadows	10C4*	7800	42°03'	110°04'	South Thomas Fork	10C9	7840	42°03'	110°04'
Trial Lake u	10C8	9800	5	2S	9E				

* SNOTEL data available for this station with local telephone.
 † SNOTEL data available for this station with local telephone.
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Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Indian Service

STATE

State Engineer of Wyoming

University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

PRIVATE

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Greybull Valley Irrigation District
Wheatland Irrigation District

Conservation Districts
Big Piney
Big Sandy
Bridger Valley
Clearwater
Cody
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Greybull-Shell
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LaPrele-Glenrock
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Lincoln
Little Snake River
Medicine Bow
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