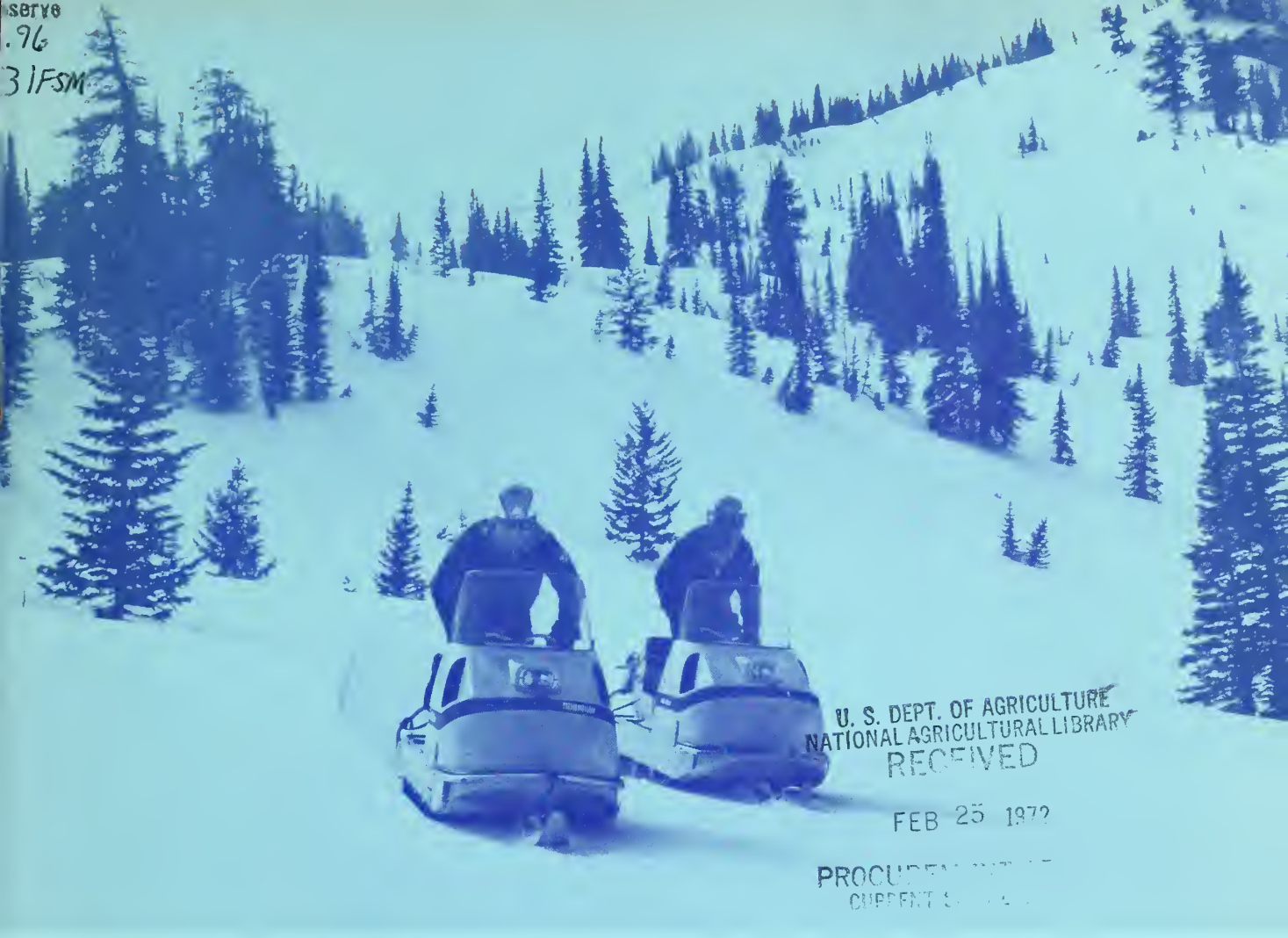

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

COLORADO STATE UNIVERSITY EXPERIMENT STATION
STATE ENGINEER of COLORADO
and STATE ENGINEER of NEW MEXICO

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, Corps of Engineers and other Federal, State and private organizations.

AS OF
FEB. 1, 1972

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 of 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 NUMBER ORC 221-3

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, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, 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	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, 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 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS-PORTLAND, OREG. 1970

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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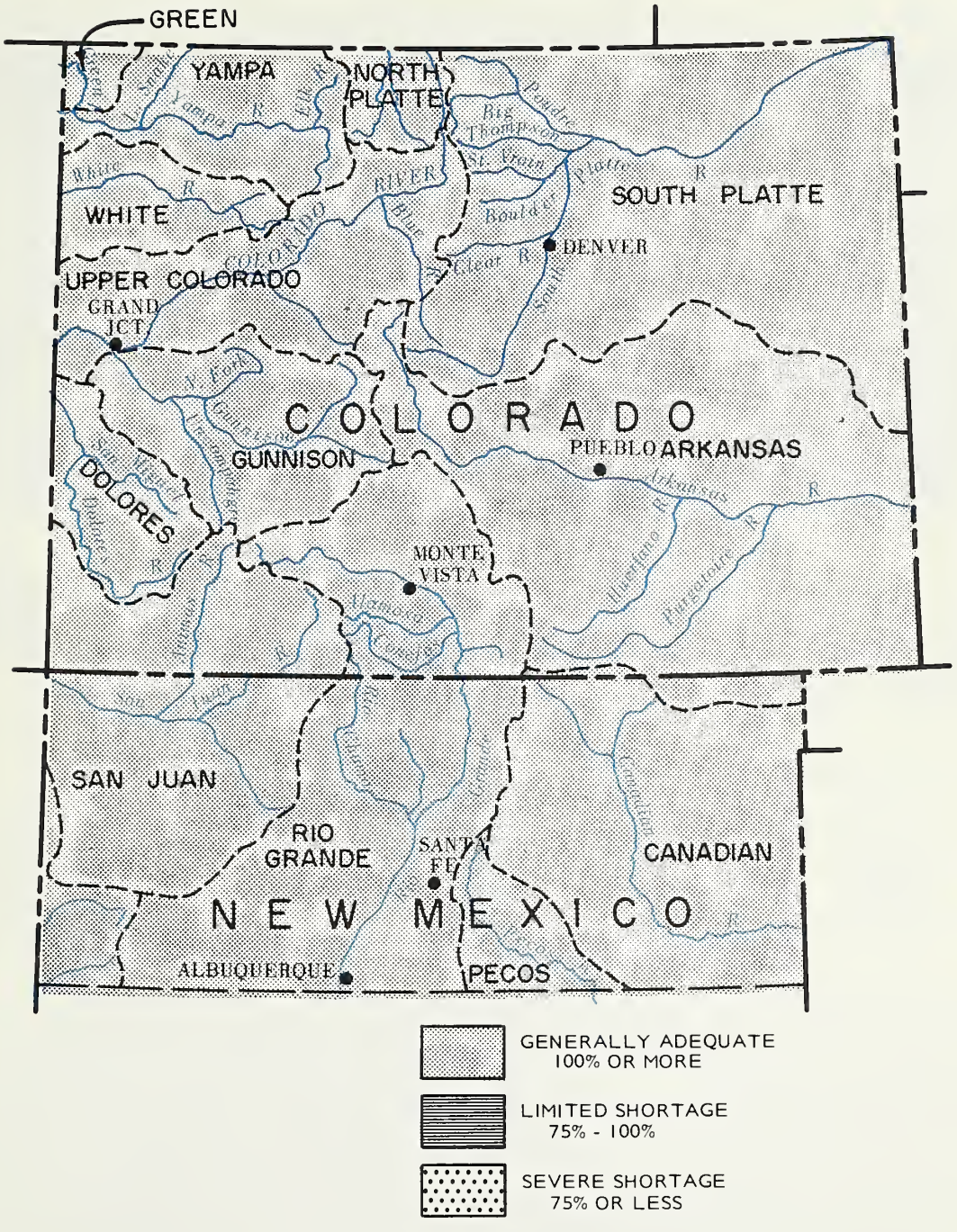
WATER SUPPLY OUTLOOK BY MAJOR WATERSHED AREAS

WATER SUPPLY OUTLOOK

as of

February 1, 1972



GENERALLY ADEQUATE
100% OR MORE

LIMITED SHORTAGE
75% - 100%

SEVERE SHORTAGE
75% OR LESS

The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.

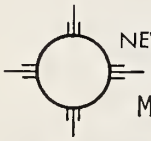
WATER SUPPLY CONDITIONS

as of

February 1, 1972

ONLY ABOUT HALF OF THE SNOW SEASON HAS PASSED AS OF FEBRUARY FIRST. MOST OF THE TWO STATE AREA HAS NEAR TO SLIGHTLY ABOVE NORMAL SNOW PACK. HIGHEST AREAS OF SNOW ARE IN NORTHERN NEW MEXICO AND SOUTHERN COLORADO, PARTICULARLY THE RIO GRANDE AND SAN JUAN BASINS. EXTREMELY HIGH WINDS IN NORTHERN COLORADO HAVE BLOWN SOME SLOPES COMPLETELY CLEAN WHILE DEPOSITING LARGE AMOUNTS IN OTHER AREAS. THE EFFECTS OF THIS WIND WILL BE EXAMINED. CARRY-OVER RESERVOIR STORAGE IS GOOD IN NORTHERN COLORADO. POOR STORAGE EXISTS ON THE ARKANSAS IN COLORADO AND RIO GRANDE IN NEW MEXICO.

-- THE SNOW PACK RANGES FROM 128% OF THE 15 YEAR AVERAGE ON THE SAN JUAN TO 111% ON THE SOUTH PLATTE BASIN. 150 MPH WINDS HAVE BEEN RECORDED IN THIS AREA. THE EFFECT OF THESE WINDS WILL BE EVALUATED PRIOR TO FORECAST. CARRY-OVER STORAGE ON THE SOUTH PLATTE IS EXCELLENT. THE BIG THOMPSON PROJECT HAS 129% OF AVERAGE STORAGE AND WILL PROVIDE AN EXCELLENT SUPPLEMENTAL WATER SUPPLY THIS SUMMER. ALL OTHER BASINS HAVE LESS THAN NORMAL STORAGE. MOUNTAIN SOILS CONTAIN NEAR NORMAL AMOUNTS OF MOISTURE. VALLEY SOILS ARE REPORTED TO BE IN FAIR TO GOOD CONDITION.



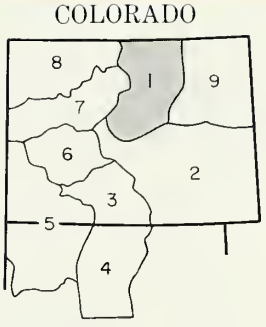
-- ALL OF NORTHERN NEW MEXICO HAS A GOOD SNOW PACK, ALTHOUGH JANUARY WAS A DRY MONTH. EARLY SNOW FALL WAS MUCH ABOVE NORMAL. SNOW ON THE RIO GRANDE IS ABOUT 111% OF NORMAL, ON THE CHAMA ABOUT 102% AND ON THE SAN JUAN 124%. THE PECOS HAS CONSIDERABLY BETTER SNOW THAN LAST YEAR, BUT ONLY ABOUT 102% OF AVERAGE. ELEPHANT BUTTE RESERVOIR CONTAINS 225,000 A.F. WHICH IS ABOUT 60% OF NORMAL. CONCHAS RESERVOIR CONTAINS 79,000 A.F. OR ABOUT 50% OF NORMAL. MOUNTAIN SOILS CONTAIN ABOUT AVERAGE MOISTURE.

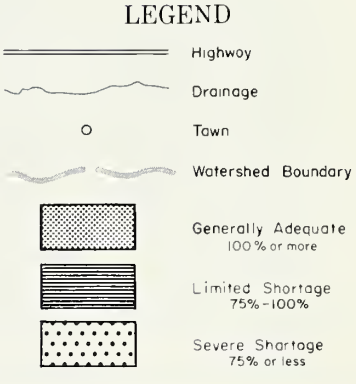
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of

February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO





YOUR WATER SUPPLY

THE SNOW PACK OVER THE SOUTH PLATTE IS SPOTTY. SOME AREAS ARE REPORTING VERY GOOD SNOW WHILE OTHERS ARE DEFICIENT. HIGH WINDS MAY HAVE CAUSED DRASTIC CHANGES IN THE SNOW PACK. GENERALLY THE SNOW PACK IS GOOD. CARRY-OVER STORAGE IS 137% OF NORMAL. SOIL MOISTURE IS NEAR NORMAL IN THE MOUNTAIN AREA AND GENERALLY GOOD IN THE PLAINS AREAS.

This report prepared by
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U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO
DENVER, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Bear Creek	Avg.	Avg.
Coal Creek	Avg.	Avg.
Deer Creek	Avg.	Avg.
North Fork of So. Platte	Avg.	Avg.
North Fork of Cache La Poudre	Avg.	Avg.
Ralston Creek		
Rock Creek		

(1) Observed flow plus by–pass to power plants. (2) Observed flow minus trans–basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

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 +
Big Thompson	4	86	122
Boulder	3	106	109
Cache La Poudre	8	73	125
Clear Creek	6	85	86
Saint Vrain	2	171	168
South Platte	3	131	111

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Big Thompson	3	97	110
Boulder	1	73	95
Cache La Poudre	2	92	91
Clear Creek	2	69	79
Saint Vrain	2	89	117
South Platte	2	98	67

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Antero	33.0	15.9	15.9	10.6
Barr Lake	32.2	21.0	25.9	17.6
Black Hollow	8.0	4.2	4.3	3.3
Boyd Lake	44.0	35.9	44.0	27.6
Cache La Poudre	9.5	7.8	7.8	6.6
Carter Lake	108.9	88.2	93.6	61.9
Chambers Lake	8.8	1.3	3.9	2.3
Cheesman	79.0	79.1	74.2	45.6
Cobb Lake	34.3	20.4	22.1	9.9
Eleven Mile	97.8	76.2	96.4	72.0
Fossil Creek	11.6	8.8	9.1	5.4
Gross	43.1	28.2	35.0	24.9

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Halligan	6.4	5.0	0.3	3.1
Horsetooth	143.5	90.6	99.1	81.2
Lake Loveland	14.3	11.4	10.0	7.9
Lone Tree	9.2	8.2	8.0	6.0
Mariano	5.4	5.3	5.1	3.7
Marshall	10.3	5.4	5.6	2.1
Marston	18.0	15.6	16.6	14.1
Milton	24.4	16.0	14.0	9.0
Standley	18.5	30.1	30.4	7.9
Terry Lake	42.0	5.7	6.3	4.6
Union	12.7	12.1	12.7	7.8
Windsor	18.6	18.6	4.7	7.6

+ 1953–1967 Period.

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SOIL CONSERVATION SERVICE
SNOW SURVEY UNIT
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DENVER, COLORADO 80217

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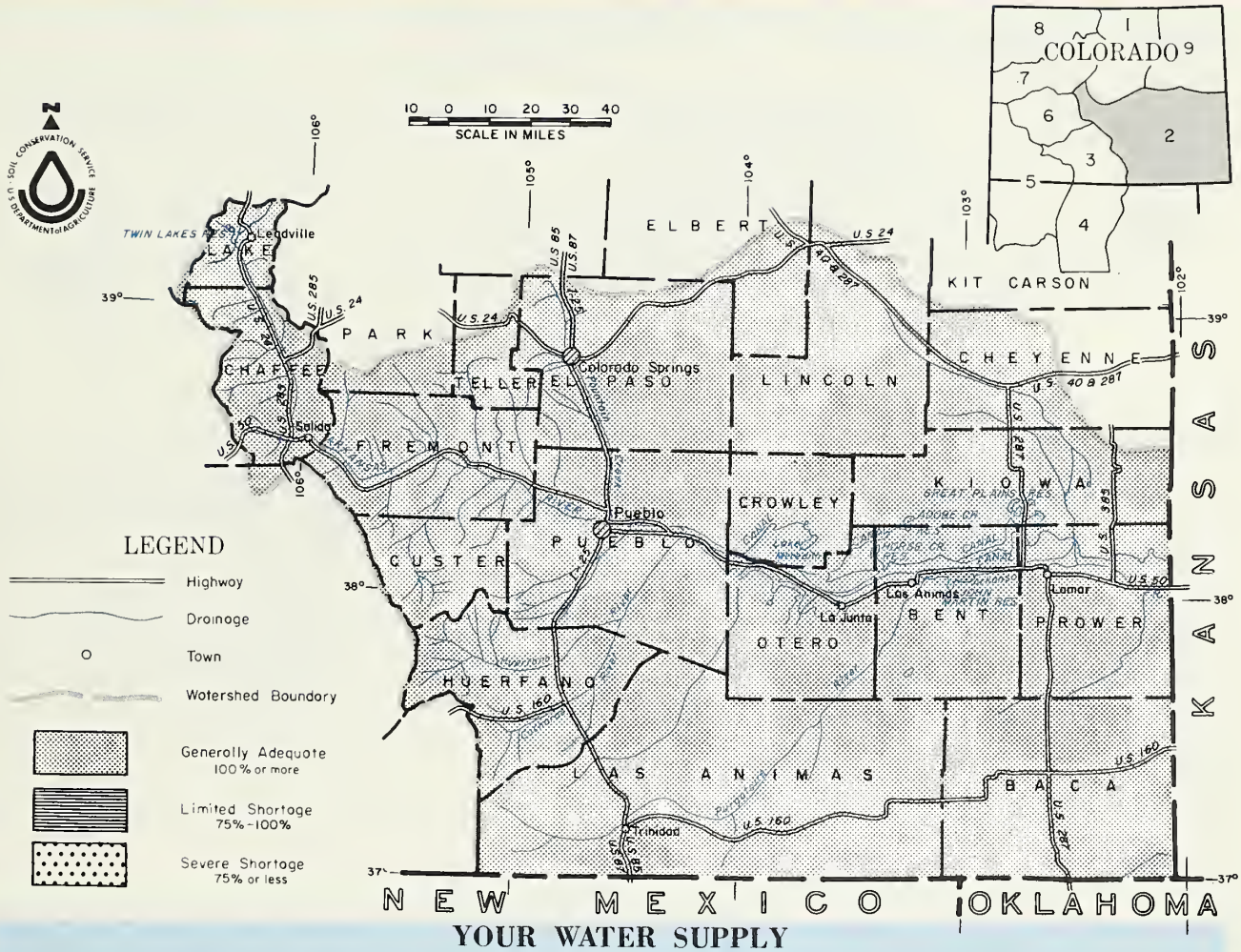
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
ARKANSAS RIVER WATERSHED IN COLORADO
as of
February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

MOUNTAIN SNOW PACK ON THE ARKANSAS IS NEAR NORMAL AND SLIGHTLY BETTER THAN LAST YEAR. THE SOUTHERN TRIBUTARIES HAVE A MUCH BETTER SNOW PACK THAN LAST YEAR. CONSIDERABLY MORE SNOW IS NEEDED TO ASSURE ADEQUATE WINTER SUPPLIES. CARRY-OVER STORAGE IS ONLY ABOUT ONE HALF OF NORMAL. STORAGE IN TURQUOISE IS 58,500 A.F. SOIL MOISTURE IN MOUNTAINS IS BELOW NORMAL.

This report prepared by
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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Apishapa	Avg.	Fair
Fountain Creek	Avg.	Fair
Grape Creek	Avg.	Fair
Hardscrabble Creek	Avg.	Fair
Huerfano	Avg.	Fair
Monument Creek	Avg.	Fair

(1) Observed flow plus change in Clear Creek, Twin Lakes and Turquoise Reservoirs minus diversions through Busk Ivanhoe, Divide, Twin Lakes and Homestake Tunnels and Ewing, Front Pass, Wurtz and Colombine ditches.

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 +
Arkansas	9	111	115
Cucharas and Purgatorie	1	163	121

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Arkansas	3	90	82
Cucharas and Purgatorie	1	76	99

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Adobe Creek	61.6	14.4	33.1	11.5
Clear Creek	11.4	5.4	3.7	6.6
Cucharas	40.0	- -	- -	6.9
Great Plains	150.0	35.8	110.4	26.9
Horse Creek	26.9	0.0	3.4	4.6

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
John Martin	353.9	18.3	14.6	81.5
Meredith	41.9	3.2	26.0	5.7
Model	15.0	0.9	1.8	2.6
Turquoise	130.0	58.5	46.4	6.9
Twin Lakes	57.9	30.4	42.2	19.7

+ 1953-1967 period.

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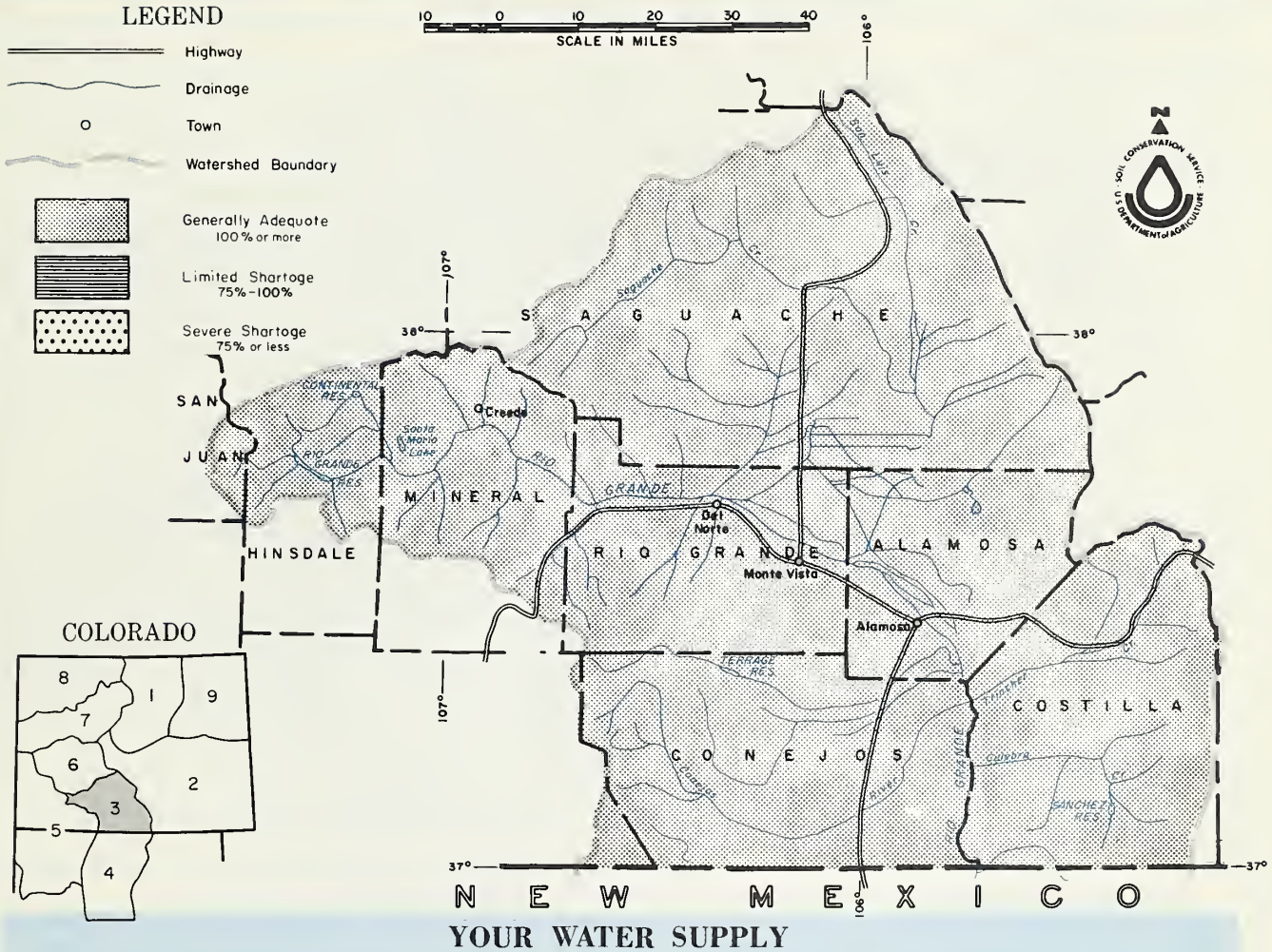
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
UPPER RIO GRANDE WATERSHED IN COLORADO

as of
February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SNOWFALL WAS BELOW NORMAL DURING JANUARY BUT THE SNOW PACK STILL REMAINS ABOVE AVERAGE ON ALL DRAINAGES IN THE RIO GRANDE EXCEPT THE CONEJOS, WHICH IS SLIGHTLY BELOW AVERAGE. THE MAIN STEM OF THE RIO GRANDE HAS 132% OF AVERAGE SNOW. THE RESERVOIR STORAGE IS MUCH BELOW LAST YEAR BUT SLIGHTLY ABOVE THE AVERAGE. SOIL MOISTURE IN THE MOUNTAIN AREAS IS BELOW AVERAGE.

This report prepared by
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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period: Spring Season	Flow Period: Late Season
Saguache Creek	Avg.	Fair
Sangre de Cristo Creek	Avg.	Fair
Trinchera Creek	Avg.	Fair

(1) Observed flow plus change in storage in Platoro Reservoir. (2) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Santa Maria, Rio Grande and Continental Reservoirs.

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 +
Alamosa	2	127	127
Conejos	4	123	97
Culebra	2	171	133
Rio Grande	10	171	132

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF: Last Year	Average +
Alamosa	1	62	79
Conejos	1	102	91
Culebra	2	81	95
Rio Grande	2	71	92

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

RESERVOIR	Usable Capacity	Usable Storage: This Year	Last Year	Average +
Continental	26.7	6.1	7.9	3.8
Platoro	60.0	2.9	2.9	7.1
Rio Grande	45.8	14.7	39.2	10.9

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

RESERVOIR	Usable Capacity	Usable Storage: This Year	Last Year	Average +
Sanchez	103.2	9.5	16.9	10.6
Santa Maria	45.0	6.8	9.8	5.3
Terrace	17.7	5.0	0.0	3.5

+ 1953-1967 period.

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SNOW SURVEY UNIT
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
RIO GRANDE WATERSHED IN NEW MEXICO

as of

February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO

LEGEND

- Highway
- Drainage
- Town
- Watershed Boundary
- Generally Adequate — 100% or more
- Limited Shortage — 75%–100%
- Severe Shortage — 75% or less

10 0 10 20 30 40
SCALE IN MILES

YOUR WATER SUPPLY

THE SNOW PACK IN NORTHERN NEW MEXICO IS NEAR NORMAL AND FAR BETTER THAN LAST YEAR. EARLY SNOWS WERE EXCELLENT, HOWEVER, JANUARY SNOW FALL WAS DEFICIENT. SOIL MOISTURE IN THE MOUNTAINS IS CONSIDERABLY ABOVE NORMAL ON THE CHAMA AND RIO GRANDE, BUT DEFICIENT ON RED RIVER AND PECOS. CARRY-OVER RESERVOIR STORAGE IS ONLY 56% OF NORMAL.

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SANTA FE, NEW MEXICO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average †
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Embudo	Avg.	Fair
Jemez River	Avg.	Fair
Mora River	Avg.	Fair
Nambe Creek	Avg.	Fair
Rio Ojo Caliante	Avg.	Fair
Rio Pueblo de Taos	Avg.	Fair
Santa Fe Creek	Avg.	Fair

The forecast of the Rio Grande at San Marcial is % of the Average used by the Elephant Butte Irrigation District. (1) Observed flow plus change in Costilla Reservoir. (2) Observed flow plus change in storage in El Vado and Abiquiu Reservoir.

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 †
Pecos	1	270	104
Rio Chama	4	133	102
Rio Grande, N.M.	11	296	111
Rio Hondo	1	225	- -
Red River	2	357	105

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average †
Pecos	2	108	91
Rio Chama	2	287	176
Rio Grande	4	98	119
Red River	1	113	82

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Alamorgordo	111	46	50	73
Caballo	344	17	30	47
Conchas	273	79	154	163

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Elephant Butte	2195	225	369	374
Elvado	195	1	1	4
McMillan-Avalon	38	13	22	19

† 1953-1967 period.

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SAN MIGUEL, DOLORES, ANIMAS, SAN JUAN WATERSHEDS
IN COLORADO AND NEW MEXICO

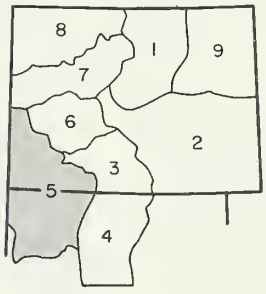
as of
February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO

LEGEND

- Highway
- Drainage
- Town
- Watershed Boundary
- Generally Adequate 100% or more
- Limited Shortage 75%–100%
- Severe Shortage 75% or less

COLORADO



10 0 10 20 30 40
SCALE IN MILES

YOUR WATER SUPPLY

VERY LITTLE SNOW FELL IN THE SAN JUAN DRAINAGE DURING JANUARY. HOWEVER, CURRENT SNOW PACK IS STILL ABOVE NORMAL. ANIMAS HAS 132%, DOLORES 125% AND SAN JUAN MAIN STEM IS 124% OF THE 1953-67 AVERAGE. SOIL MOISTURE IS NEAR NORMAL. CARRY-OVER STORAGE IS EXCELLENT AND WILL PROVIDE GOOD SUPPLEMENTAL SUPPLIES NEXT SUMMER.

This report prepared by
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STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

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

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Florida	Exc.	Exc.
Mancos	Exc.	Exc.
San Miguel	Exc	Exc.

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 +
Animas	8	135	132
Dolores	5	110	125
San Juan	5	138	124

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Animas	3	90	97
Dolores	3	98	92
San Juan	2	100	87

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Groundhog	22	9	14	7
Lemon	40	19	26	14
Navajo	1696	929	938	542
Vallecito	126	50	73	46

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +

+ 1953-1967 period.

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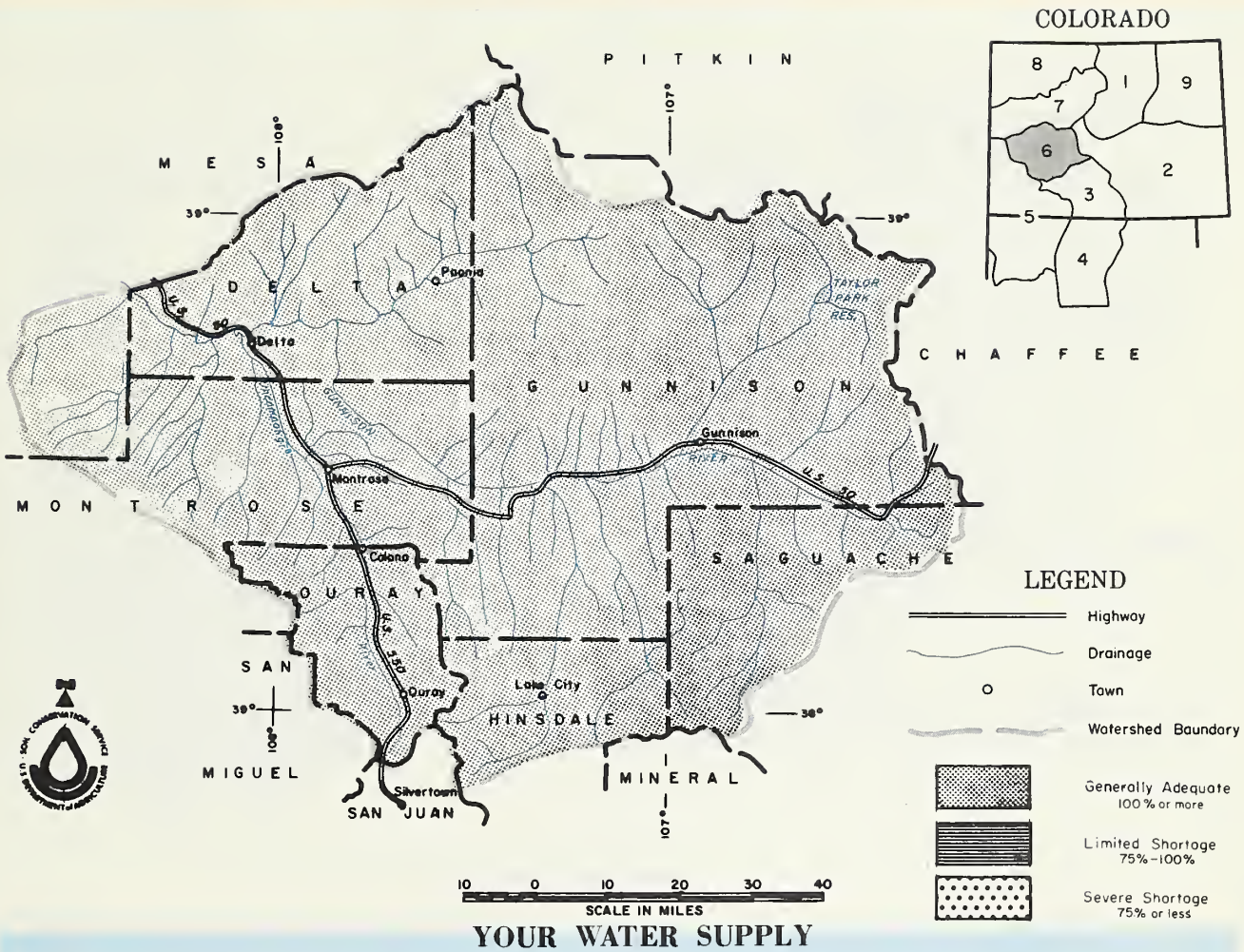
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
GUNNISON RIVER WATERSHED IN COLORADO

as of

February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE SNOW PACK IN THE GUNNISON DRAINAGE IS ABOVE NORMAL FOR FEBRUARY FIRST. SNOW ON THE GUNNISON MAIN STEM IS 122% OF NORMAL. WHILE THE TRIBUTARIES, SURFACE CREEK AND THE UNCOMPAHGRE RIVER HAVE ABOUT 125% OF NORMAL. SOIL MOISTURE IS SLIGHTLY ABOVE AVERAGE. CARRY-OVER STORAGE IS LESS THAN LAST YEAR, BUT IS STILL NEAR AVERAGE.

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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
North Fork of Gunnison	Exc.	Exc.
Taylor	Exc.	Exc.

(1) Observed flow plus change in storage in Taylor, Blue Mesa and Morrow Point Reservoirs.

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 +
Gunnison	12	109	122
Surface Creek	3	100	128
Uncompahgre	3	100	121

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Gunnison	1	91	111
Surface Creek	1	89	106
Uncompahgre	1	89	106

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Blue Mesa	941	370	543	- -
Morrow Point	121	116	116	- -
Taylor	106	67	104	54

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +

+ 1953-1967 period.

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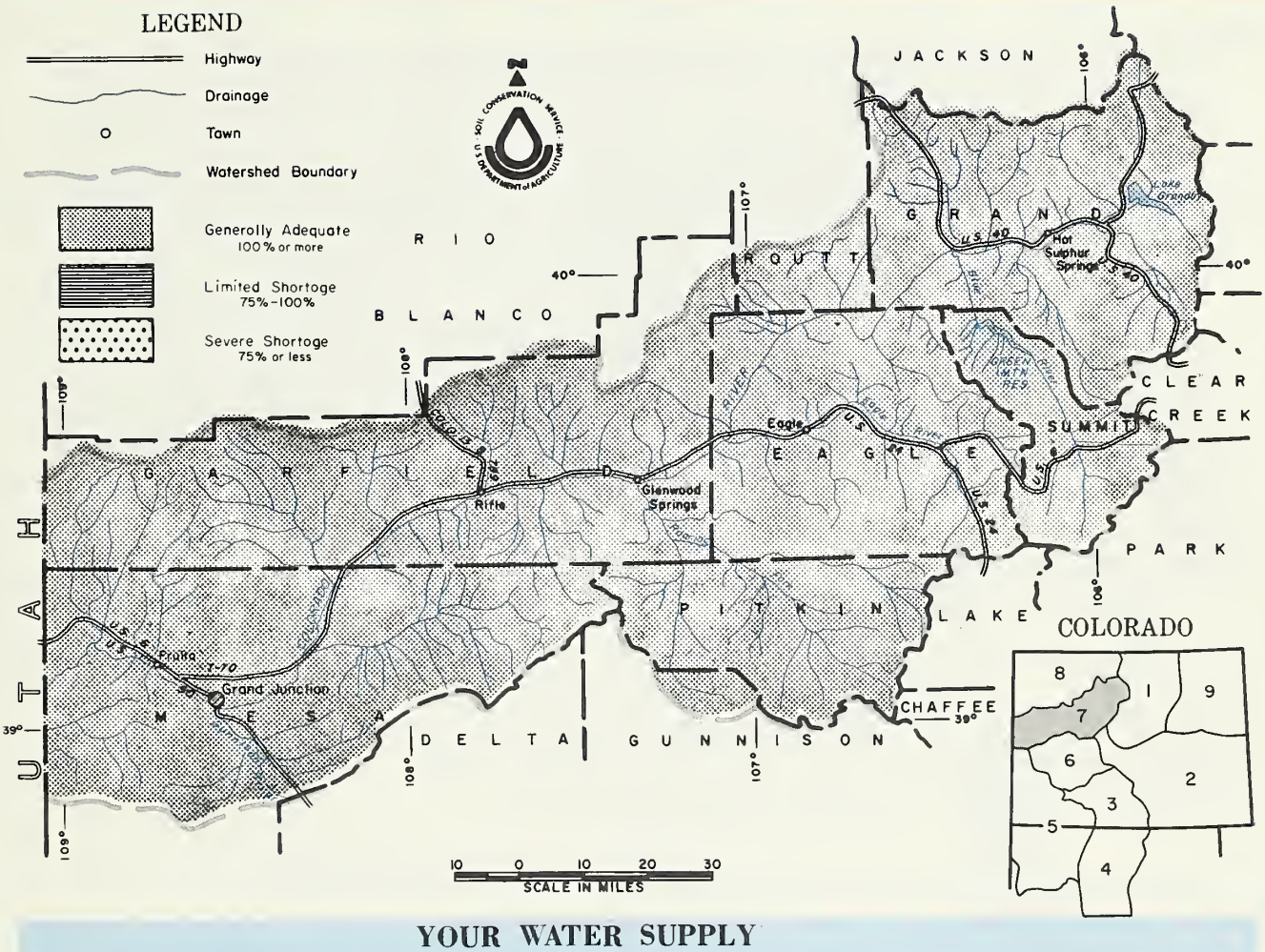
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
COLORADO RIVER WATERSHED IN COLORADO
as of
February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE SNOW PACK IN THE COLORADO BASIN IS ABOVE NORMAL, BUT GENERALLY BELOW LAST YEAR AT THIS TIME. THE NORTHERN TRIBUTARIES, THE WILLOW AND WILLIAMS FORK RIVERS HAVE CONSIDERABLY ABOVE NORMAL SNOW. CARRY-OVER STORAGE IS SLIGHTLY LESS THAN LAST YEAR, BUT CONSIDERABLY ABOVE NORMAL. SOIL MOISTURE IN THE MOUNTAIN AREAS IS LESS THAN NORMAL.

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STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Brush Creek	Exc.	Fair
Eagle River	Exc.	Fair
Gypsum Creek	Exc.	Fair

(1) Observed flow plus diversions through Roberts Tunnel and change in storage in Dillon Reservoir. (2) Observed flow corrected for change in storage in Lake Granby as furnished by U.S.B.R. and diversions by Adams Tunnel and Grand River Ditch. (3) Observed flow plus the changes as indicated in (1) (2) and (5) plus Moffat Ditch and change in Homestake, Williams Fork, Green Mt. and Willow Creek Reservoirs. (4) Observed flow plus diversions through Divide and Twin Lakes Tunnels plus change in storage in Ruedi Reservoir. (5) Observed flow plus diversions through August P. Gumlick Tunnel. (6) Observed flow plus the changes as indicated in (3) and (4).

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 +
Blue River	8	91	113
Colorado	18	82	118
Plateau	3	96	116
Roaring Fork	10	108	126
Williams Fork	3	82	136
Willow	2	92	133

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Blue River	1	79	96
Colorado	5	85	92
Roaring Fork	1	83	112
Willow	1	103	124

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Dillon	254	236	246	236
Granby	466	365	380	254
Green Mountain	147	89	91	73
Homestake	43	13	24	--

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Ruedi	101	74	79	--
Williams Fork	97	59	54	33
Willow Creek	9	7	7	--
Vega	32	14	17	11

+ 1953-1967 period.

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WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS
IN COLORADO

as of

February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE

COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO

YOUR WATER SUPPLY

ALTHOUGH THE SNOW PACK IN NORTHWESTERN COLORADO IS LESS THAN LAST YEAR IT IS STILL BETTER THAN NORMAL. THE NORTH PLATTE HAS THE BEST SNOW PACK WITH 138% OF NORMAL. SOIL MOISTURE IN THE MOUNTAIN AREAS IS NEAR NORMAL. THE AREA HAS BEEN SUBJECTED TO CONSIDERABLE WIND DURING JANUARY. CONSIDERABLE SNOW WAS MOVED AROUND.

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STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Canadian River	Avg.	Avg.
Hunt Creek	Avg.	Avg.
Illinois River	Avg.	Avg.
Michigan River	Avg.	Avg.
Oak Creek	Avg.	Avg.
Trout Creek	Avg.	Avg.

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 +
Elk	2	101	102
Laramie	2	73	115
North Platte	5	84	138
White	2	84	112
Yampa	3	83	117

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Laramie	2	92	91
North Platte	2	106	115
Yampa	1	89	96

+ 1953-1967 period.

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WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of

February 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
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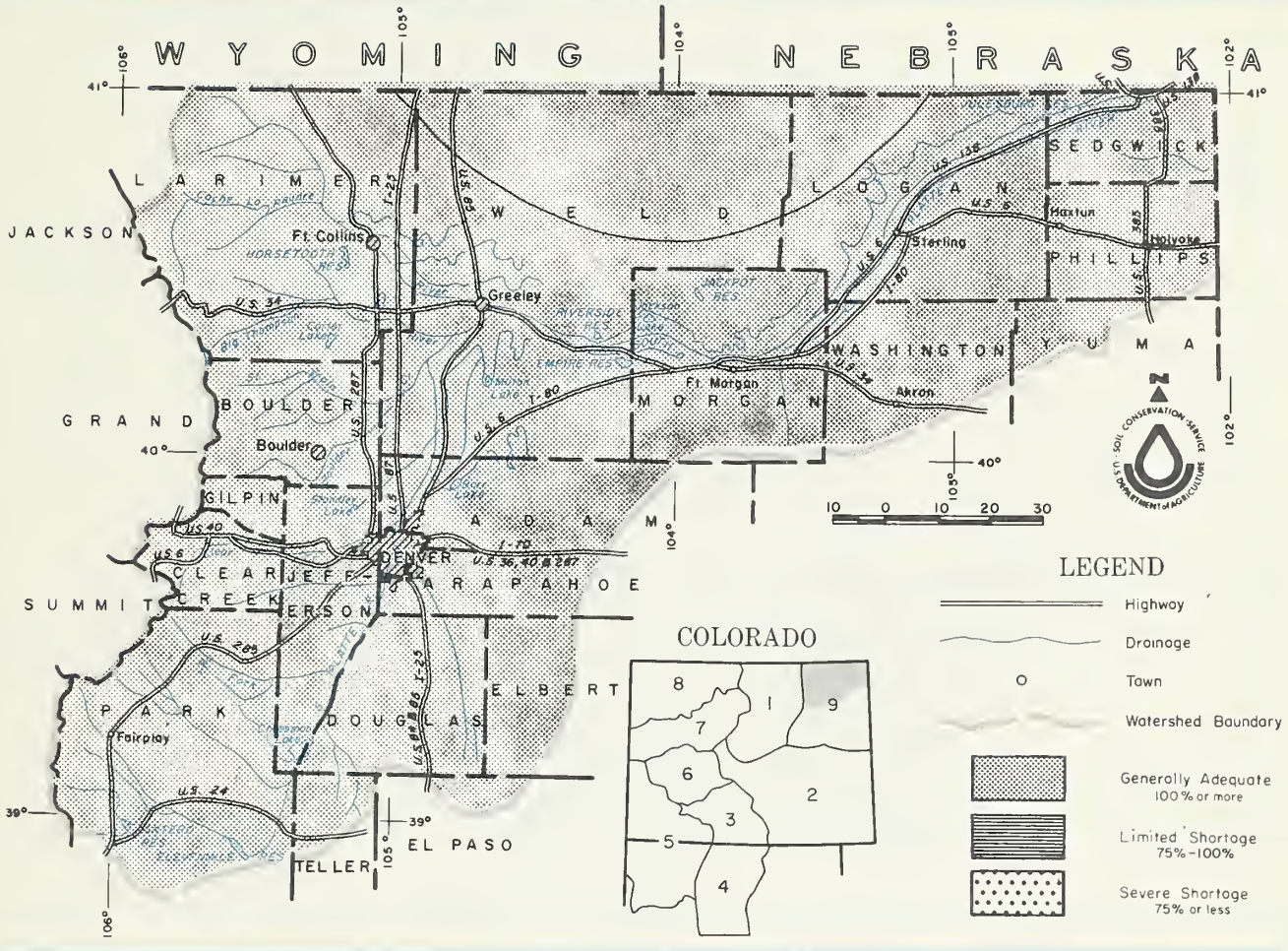

YOUR WATER SUPPLY

GENERALLY THE SNOW PACK OVER THE SOUTH PLATTE IS NEAR NORMAL. SOME FEW SELECTED SNOW COURSES ARE FAR ABOVE NORMAL OR MUCH BELOW. HIGH WINDS DURING JANUARY MAY BE RESPONSIBLE FOR THESE ODD READINGS. CARRY-OVER STORAGE IS 122% OF NORMAL, BUT SLIGHTLY POORER THAN LAST YEAR. MOUNTAIN SOIL MOISTURE IS NEAR NORMAL. VALLEY SOILS ARE IN GOOD CONDITION.

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STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average +
No numerical forecasts issued until March 1, 1972			

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
South Platte from Greeley to Ft. Morgan	Avg.	Avg.
South Platte from Ft. Morgan to Sterling	Avg.	Avg.
South Platte below Sterling	Avg.	Avg.

(1) Observed flow plus by–pass to power plants. (2) Observed flow minus trans–basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

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 +
Big Thompson	4	86	122
Boulder	3	106	109
Cache La Poudre	8	73	125
Clear Creek	6	85	86
Saint Vrain	2	171	168
South Platte	3	131	111

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Big Thompson	3	97	110
Boulder	1	73	95
Cache La Poudre	2	92	91
Clear Creek	2	69	79
Saint Vrain	2	89	117
South Platte	2	98	67

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Carter	108.9	88.2	93.6	61.9
Cheesman	79.0	79.1	74.2	45.6
Eleven Mile	97.8	76.2	96.4	72.0
Empire	37.7	19.4	26.6	22.3
Horsetooth	143.5	90.6	99.1	81.2

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

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Jackson	35.4	15.5	29.7	27.4
Julesburg	28.2	19.8	19.8	20.0
Point of Rocks	70.0	70.0	67.0	43.2
Prewitt	32.8	22.0	21.4	11.4
Riverside	57.5	40.9	47.0	38.7

+ 1953–1967 period.

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APPENDIX I

SNOW COURSE MEASUREMENTS as of February 1, 1972

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	PAST RECORD: WATER CONTENT (INCHES) LAST YEAR	AVG. 53 67
NORTH PLATTE BASIN					
Laramie River					
Deadman Hill	2/1	38	10.2	14.5	8.7
McIntyre	NS			- -	- -
Roach	1/26	43	11.1	14.5	9.8
North Platte River					
Cameron Pass	1/31	56	21.2	27.6	12.9
Columbine Lodge	1/31	62	18.3	18.7	13.6
Northgate	1/31	13	2.6	4.9	3.6
Park View	1/28	28	6.8	7.8	5.2
Willow Cr. Pass(B)	1/28	33	9.4	10.8	7.1
SOUTH PLATTE BASIN					
Boulder Creek					
Baltimore	1/28	18	3.7	4.4	5.2
Boulder Falls	1/29	35	9.0	7.3	6.6
University Camp	1/29	45	12.1	11.6	10.9
Big Thompson River					
Deer Ridge	1/31	12	2.4	4.1	2.6
Hidden Valley	NS			8.2	5.9
Lake Irene (B)	1/26	49	13.5	18.1	13.0
Long's Peak	1/28	33	7.7	7.6	5.6
Two Mile	1/30	45	12.0	11.8	7.9
Cache La Poudre					
Bennett Creek	1/28	23	5.2	6.5	- -
Big South	1/31	2	0.3	0.6	1.6
Cameron Pass	1/31	56	21.2	27.6	12.9
Chambers Lake	1/31	21	4.6	8.4	5.2
Deadman Hill	2/1	38	10.2	14.5	8.7
Hour Glass Lake	1/28	20	4.3	5.6	3.1
Joe Wright	1/31	50	15.5	18.5	- -
Lost Lake	1/31	32	9.1	10.2	7.2
Pine Creek	1/27	6	0.5	1.5	1.2
Red Feather	1/27	21	4.5	6.3	3.8
Clear Creek					
Baltimore (B)	1/28	18	3.6	4.4	5.2
Berthoud Falls	1/28	36	7.8	10.4	8.0
Empire	1/28	17	3.8	4.6	4.3
Grizzly Peak (B)	1/31	42	10.5	14.2	9.8
Loveland Lift	2/1	26	6.1	6.5	12.9
Loveland Pass	2/1	36	8.9	9.0	8.5
Saint Vrain River					
Copeland Lake	1/29	18	4.7	2.0	2.6
Ward	1/28	18	4.2	3.9	3.4
Wild Basin	NS				6.9
South Platte River					
Como	1/27	25	5.4	3.1	- -
Geneva Park	1/31	16	3.0	1.1	2.7
Horseshoe Mt.	1/26	38	8.9	5.7	- -
Hoosier Pass	1/28	38	9.3	7.1	7.6
Jefferson Creek	1/27	27	5.4	5.3	5.7
Mosquito	1/27	35	8.5	4.7	- -
Trout Creek Pass	1/26	22	5.0	1.6	- -
ARKANSAS BASIN					
Arkansas River					
Bigelow Divide	1/28	12	1.8	6.5	- -
Cooper Hill (B)	1/28	34	7.3	7.7	- -
East Fork	1/28	28	6.5	6.4	5.6
Four Mile Park	1/31	23	4.2	3.2	3.5
Fremont Pass	1/28	42	10.4	10.8	9.5
Garfield	1/31	35	10.1	7.2	8.4
Hermit Lake	1/31	24	6.4	5.8	- -
Monarch Pass	1/31	39	10.9	9.7	10.3
Tennessee Pass	1/31	43	5.7	5.8	6.2
Twin Lakes Tunnel	1/31	26	5.5	5.0	6.0
Westcliffe	1/31	23	5.9	4.3	- -
Cucharas River					
Blue Lakes	1/28	0	0.0	0.0	2.3
Cucharas Pass	1/28	13	3.6	5.7	- -
LaVeta Pass (B)	1/28	26	7.5	4.6	6.2
Purgatorie River					
Bourbon	1/31	22	5.0	5.2	- -
RIO GRANDE BASIN-COLO					
Alamosa River					
Silver Lakes	1/26	16	2.8	3.2	3.9
Summitville	1/28	54	16.9	12.3	11.6
Conejos River					
Cumbres	1/28	37	13.0	11.2	13.2
LaManga	1/28	42	12.3	- -	- -
Platoro	1/31	41	12.5	9.6	12.9
River Springs	1/27	12	2.6	- -	- -
Culebra River					
Brown Cabin	1/29	16	3.7	0.0	- -
Cottonwood (B)	NS				- -
Culebra	1/28	26	8.3	4.7	5.7
LaVeta Pass (B)	1/28	26	7.5	4.6	6.2
Trinchera (B)	1/28	29	7.6	5.4	- -
Rio Grande					
Cochetopa Pass	1/28	22	4.2	3.4	3.4
Grayback	NS				- -
Hiway	1/31	56	19.2	15.1	15.7
Lake Humphrey	1/28	33	7.5	1.8	5.6
Love Lake	1/27	38	10.4	3.3	- -
Pass Creek	1/31	36	10.5	6.9	8.9
Pool Table	1/27	29	6.2	1.0	6.1
Porcupine	1/28	42	11.6	5.0	8.2
Santa Maria	1/27	23	5.4	0.9	3.4
Upper Rio Grande	1/28	36	10.2	3.7	5.4
Wolf Creek Pass	1/31	62	20.9	16.1	17.8
Wolf Cr. Sum. (B)	1/31	71	25.9	17.3	17.7
RIO GRANDE BASIN-N.M.					
Pecos River					
Panchuela	1/27	13	2.7	0.1	2.6
Rio Chama					
Bateman	1/26	27	6.8	6.0	7.0
Capulin Peak	1/28	15	4.1	2.8	3.3
Chama Divide	1/27	9	2.7	1.8	3.3
Chamita	1/27	20	5.4	3.7	5.0
Rio Grande					
Aspen Grove	NS				- -
Big Tesuque	1/28	20	5.1	1.0	3.7
Blue Bird Mesa	1/27	10	2.8	0.7	3.8
Cordova	NS				6.3
Elk Cabin	2/1	12	3.7	0.2	2.9
Fenton Hill	1/28	19	5.5	1.0	3.0
Hopewell	1/26	35	10.3	- -	- -
Pajarito Peak	1/29	4	1.3	0.0	1.3
Payrole	1/29	20	4.8	4.3	5.9
Quemazon	1/28	26	7.0	3.1	6.5
Rio En Medio	1/28	25	7.8	3.8	6.1
Sandoval	1/28	16	5.9	0.8	3.7
Taos Canyon	1/26	8	2.0	0.0	3.4
Tres Ritos	1/31	10	3.2	0.6	3.5
Rio Hondo					
Twinning	1/26	19	5.4	2.4	- -
Red River					
Hematite Park	1/25	14	2.7	0.0	3.4
Red River	1/25	20	5.5	2.3	4.4

NOTE:
NS - No Survey
(B) - Or Adjacent Drainage

APPENDIX I

SNOW COURSE MEASUREMENTS as of February 1, 1972

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	PAST RECORD: WATER CONTENT (INCHES) LAST YEAR	AVG 53 67
SAN JUAN-DOLORES BASIN					
Animas River					
Cascade	1/28	31	9.9	5.9	8.0
Lemon	1/31	25	7.8	5.2	- -
Mineral Creek	1/28	36	11.5	10.0	8.9
Molas Lake	1/28	34	10.9	8.3	8.4
Purgatory	1/28	54	18.4	11.0	- -
Red Mountain Pass	1/28	64	23.1	20.7	17.0
Silverton Sub-Sta.	1/28	26	6.9	3.1	4.8
Spud Mountain	1/28	55	20.0	13.1	15.0
Dolores River					
Lizzard Head	1/28	39	12.5	10.9	9.4
Lone Cone	1/31	41	12.8	11.1	- -
Rico	1/28	20	5.8	4.4	5.0
Telluride	1/28	22	5.4	5.5	4.5
Trout Lake	1/28	32	9.4	9.3	7.6
San Juan River					
Chama Divide (B)	1/27	9	2.7	1.8	3.3
Chamita (B)	1/27	20	5.4	3.7	5.0
Upper San Juan	1/31	67	23.3	17.8	19.4
Wolf Cr. Pass (B)	1/31	62	20.9	16.1	17.8
Wolf Cr. Summit	1/31	71	25.9	17.3	17.7
GUNNISON BASIN					
Gunnison River					
Alexander Lake	1/27	50	18.2	16.1	11.5
Blue Mesa	NS				- -
Butte	1/31	35	10.4	9.2	- -
Cochetopa Pass (B)	1/28	22	4.2	3.4	3.4
Crested Butte	1/31	36	9.1	9.6	7.5
Keystone	1/31	50	14.9	13.9	12.6
Lake City	1/27	25	7.6	2.9	- -
Mesa Lakes (B)	1/26	40	11.5	12.0	10.3
McClure Pass	1/28	43	14.3	9.9	11.6
Park Cone	1/29	34	7.0	5.9	6.2
Park Reservoir	1/27	56	16.1	17.9	14.1
Porphyry Creek	1/31	37	10.5	9.5	10.1
Tomichi	1/31	35	10.1	8.3	7.5
Surface Creek					
Alexander Lake	1/27	50	18.2	16.1	11.5
Mesa Lakes (B)	1/26	40	11.5	12.0	10.3
Park Reservoir	1/27	56	16.1	17.9	14.1
Uncompahgre River					
Ironton Park	1/28	26	6.7	9.2	7.6
Red Mountain Pass	1/28	64	23.1	20.7	17.0
Telluride (B)	1/28	22	5.4	5.5	4.5
COLORADO BASIN					
Blue River					
Blue River	1/28	26	5.4	4.7	5.1
Fremont Pass	1/28	42	10.4	10.8	9.5
Frisco	1/31	22	4.8	5.2	4.3
Grizzly Peak	1/31	42	10.5	14.2	9.8
Hoosier Pass (B)	1/28	38	9.3	7.1	7.6
Shrine Pass	1/31	44	11.4	13.8	9.6
Snake River	1/31	24	4.6	6.6	4.7
Summit Ranch	1/29	26	5.6	5.6	4.4
Colorado River					
Arrow	1/28	32	9.0	10.3	6.4
Berthoud Pass	1/26	37	9.7	14.0	8.3
Berthoud Summit	1/28	40	10.0	14.8	10.8
Cooper Hill	1/28	34	7.3	7.7	- -
Fiddler Gulch	NS				8.7
Glenmar Ranch	1/29	28	7.0	7.9	4.7
Gore Pass	1/28	30	7.1	8.8	5.9
Grand Lake	1/26	28	5.3	6.4	4.8
Lake Irene	1/26	49	13.5	18.1	13.0
Lapland	1/25	30	7.7	9.9	- -
Lulu	NS				- -
Lynx Pass	1/28	34	8.0	11.0	6.6
McKenzie Gulch	1/28	27	6.2	3.5	3.4
Middle Fork	1/29	28	6.4	8.3	5.4
Milner	1/26	35	8.4	11.8	8.7
North Inlet	1/27	25	5.5	7.2	5.3
Pando	1/28	31	8.1	5.8	5.7
Phantom Valley	1/26	25	5.6	9.1	6.1
Ranch Creek	1/28	28	6.5	8.1	5.1
Tennessee Pass(B)	1/31	43	5.7	5.8	6.2
Vail Pass	1/31	45	11.9	13.9	10.0
Vasquez	1/27	35	8.7	11.6	6.9
Roaring Fork River					
Aspen	1/28	44	12.3	12.3	8.9
Chapman	1/28	48	11.8	10.4	- -
Independence Pass	1/21	42	10.0	9.4	9.5
Ivanhoe	1/29	46	13.0	13.9	9.6
Kiln	1/29	40	9.6	7.0	- -
Last Chance	1/29	36	9.0	7.6	- -
Lift	1/28	42	11.0	12.0	10.3
McClure Pass	1/28	43	14.3	9.9	11.6
Nast	1/29	25	5.3	4.9	3.7
North Lost Trail	1/28	43	13.6	11.2	9.5
Williams Fork River					
Glenmar Ranch	1/29	28	9.6	7.9	4.7
Jones Pass	1/26	33	8.4	13.4	7.8
Middle Fork	1/29	28	6.4	8.3	5.4
Willow Creek					
Granby	1/28	27	6.1	6.0	4.6
Willow Creek Pass	1/28	33	9.4	10.8	7.1
Plateau Creek					
Mesa Lakes	1/26	40	11.5	12.0	10.3
Park Reservoir	1/27	56	16.1	17.9	14.1
Trickle Divide	1/27	58	18.6	18.3	15.3
YAMPA BASIN					
Elk River					
Clark	1/27	29	7.4	5.6	8.3
Elk River	1/27	43	12.4	14.1	11.1
Hahn's Peak	1/27	34	9.3	11.6	- -
White River					
Burro Mountain	1/28	40	11.9	13.9	10.7
Rio Blanco	1/27	38	10.0	12.2	8.9
Yampa River					
Bear River	NS				- -
Columbine Lodge(B)	1/31	62	18.3	18.7	13.6
Dry Lake	2/1	43	13.1	14.1	12.2
Lynx Pass (B)	1/28	34	8.0	11.0	6.6
Rabbit Ears	1/31	58	17.4	20.1	15.9
Yampa View	1/28	35	9.8	16.8	8.8

NOTE:
NS - No Survey
(B) - On Adjacent Drainage

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of February 1, 1972

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
North Platte River					
Muddy Pass	11/3/71	11.1	6.8	6.2	6.4
Willow Pass	11/10/71	9.5	8.3	8.1	6.7
SOUTH PLATTE BASIN					
Boulder Creek					
Alpine Camp	11/1/71	6.9	3.5	4.8	3.7
Big Thompson River					
Beaver Dam	11/2/71	7.1	5.3	5.1	3.8
Guard Station	11/2/71	6.9	3.2	4.1	3.4
Two Mile	11/2/71	9.1	5.5	5.2	5.5
Clear Creek					
Clear Creek	12/20/71	9.5	5.3	8.1	7.1
Hoop Creek	11/10/71	4.9	2.6	3.4	2.9
Cache La Poudre River					
Feather	10/7/71	10.1	4.7	4.5	4.5
Laramie Road	10/1/71	12.4	6.5	7.7	7.8
South Platte River					
Hoosier Pass	11/8/71	7.8	4.4	5.6	4.9
Kenosha Pass	11/8/71	4.4	2.6	2.6	2.6
ARKANSAS BASIN					
Arkansas River					
Garfield	10/12/71	6.7	4.2	4.4	3.9
Leadville	10/6/71	7.8	3.4	3.3	4.2
Twin Lakes Tunnel	10/6/71	4.5	0.9	1.7	2.3
RIO GRANDE BASIN - COLORADO					
Conejos River					
Mogote	10/20/71	10.7	5.0	4.9	5.5
Rio Grande					
Bristol View	10/21/71	6.1	3.1	5.0	3.9
LaVeta	10/20/71	11.9	7.1	9.4	7.2
RIO GRANDE BASIN - NEW MEXICO					
Rio Chama					
Bateman	10/28/71	6.7	4.5	1.9	2.5
Chamita	11/15/71	8.0	4.1	1.2	2.4
Rio Grande					
Aqua Piedra	12/28/71	7.2	6.0	3.7	3.1
Big Tesuque	10/13/71	3.7	0.8	2.1	1.5
Rio En Medio	10/13/71	3.5	0.8	2.1	1.4
Taos Canyon	12/28/71	3.3	2.3	2.2	2.3
Red River					
Red River Summit	12/28/71	4.8	1.8	1.6	2.2

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of February 1, 1972

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
ANIMAS - SAN JUAN BASINS					
Animas River					
Cascade	11/2/71	9.1	5.5	5.5	6.3
Mineral Creek	11/1/71	5.7	3.1	3.5	3.7
Molas Lake	11/1/71	9.4	5.5	6.6	4.6
Dolores River					
Dolores	10/28/71	19.6	10.6	8.0	6.7
Lizzard Head	10/28/71	11.8	3.9	4.6	8.3
Rico	10/28/71	13.8	8.5	10.9	9.9
GUNNISON BASIN					
Gunnison River					
King	10/12/71	3.3	2.1	2.3	1.9
COLORADO BASIN (Mainstem)					
Blue River					
Blue River	11/8/71	4.2	2.7	3.4	2.8
Colorado River					
Berthoud Pass	11/10/71	3.9	2.5	3.1	2.8
Gore	11/8/71	4.9	3.3	3.0	2.5
Grand Mesa	11/8/71	12.5	9.9	11.1	9.3
Ranch Creek	11/10/71	8.7	4.7	5.7	6.0
Vail	10/25/71	12.3	4.9	7.0	6.9
Roaring Fork River					
Placita	11/12/71	9.3	5.8	7.0	5.2
YAMPA BASIN					
Yampa River					
Hahn's Peak	11/3/71	19.0	11.3	12.7	11.8

LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

STATE

Colorado State Engineer
New Mexico State Engineer
Nebraska State Engineer
Colorado State University Experiment Station
Rocky Mountain Forest and Range Experiment Station

FEDERAL

Department of Agriculture

- Forest Service
- Soil Conservation Service

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- Bureau of Reclamation
- Geological Survey
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- Indian Service

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Colorado River Water Conservation District

IRRIGATION PROJECTS

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San Luis Valley Irrigation District
Santa Maria Reservoir Company
Costilla Land Company
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Twin Lakes Reservoir and Canal Company
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