

Utah - Water Supply Outlook

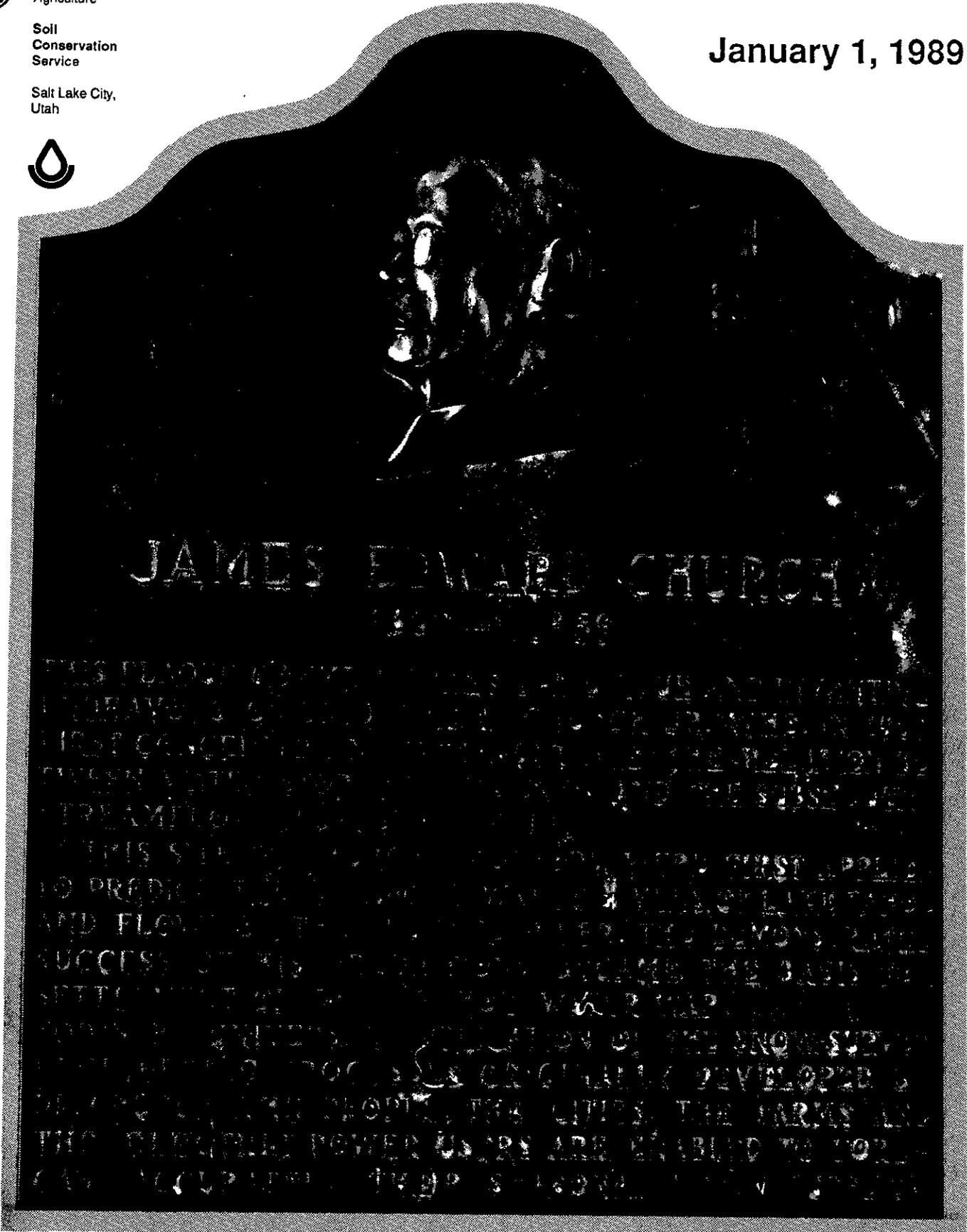


United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah

January 1, 1989



JAMES E. CHURCH

THIS PLaque COMMEMORATES THE FIRST APPLICATION OF THE FIRST COEFFICIENT METHOD FOR ESTIMATING STREAM FLOW FROM THIS STATE. THE FIRST APPLICATION OF THIS METHOD WAS MADE BY JAMES E. CHURCH IN 1931 AT THE UNIVERSITY OF UTAH. HIS SUCCESSFUL APPLICATION OF THIS METHOD BECAME THE BASIS FOR SETTLEMENTS IN THE WESTERN STATES. HIS CONTRIBUTION TO THE DEVELOPMENT OF THE FIRST COEFFICIENT METHOD FOR ESTIMATING STREAM FLOW FROM THIS STATE IS A MAJOR CONTRIBUTION TO THE WATER RESOURCES OF THE WESTERN STATES. HIS CONTRIBUTION TO THE DEVELOPMENT OF THE FIRST COEFFICIENT METHOD FOR ESTIMATING STREAM FLOW FROM THIS STATE IS A MAJOR CONTRIBUTION TO THE WATER RESOURCES OF THE WESTERN STATES.

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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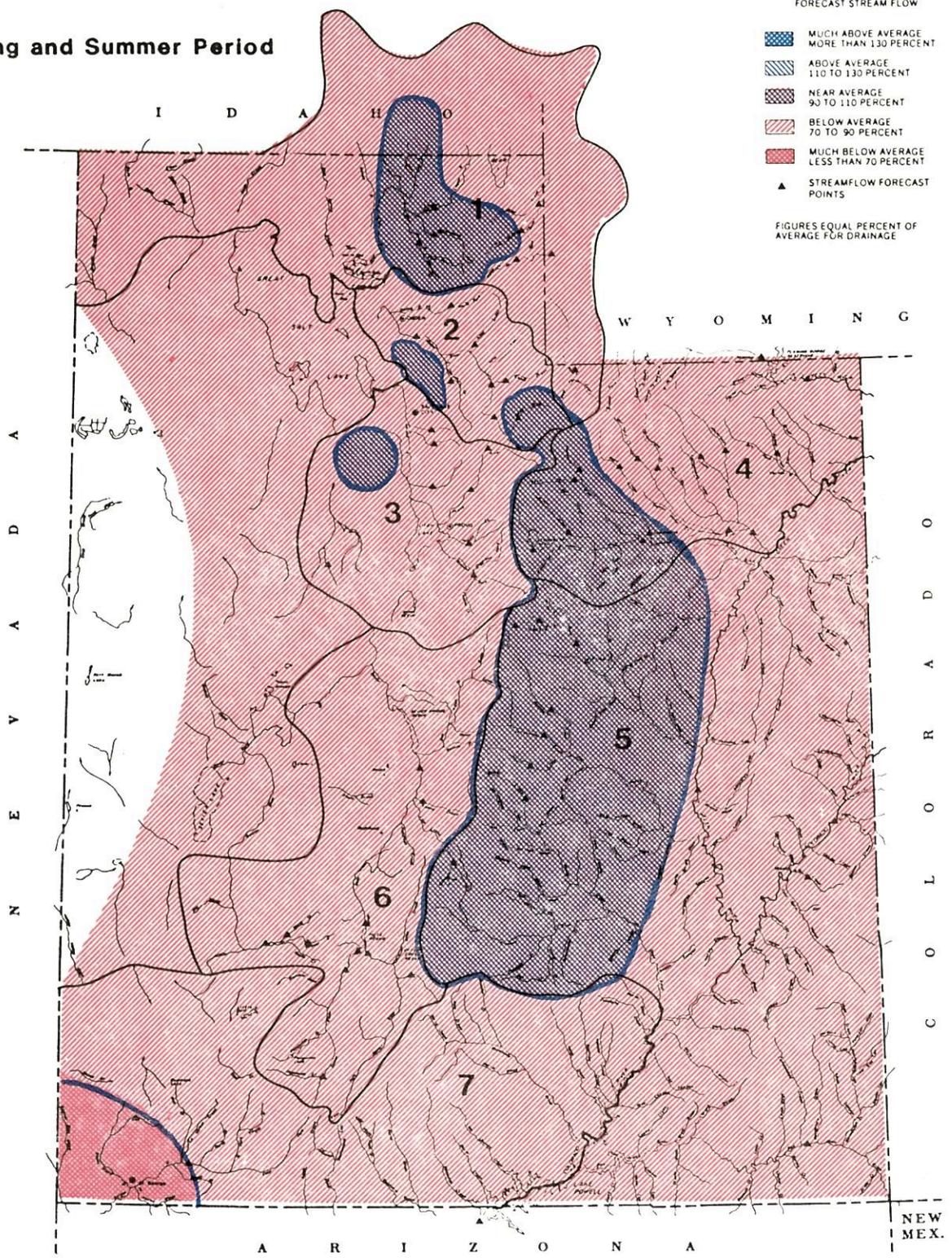
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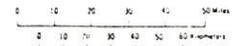
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Streamflow Prospects for Utah

Spring and Summer Period



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- 7 E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

Prospects for a good water supply in Northern Utah are brightening as snowpacks are near normal after two consecutive years of only one-half that on January 1. Southern and eastern Utah will need to have a change in their weather patterns, however, to bring forecasts up to normal.

SNOWPACK

Storm patterns this year have been more favorable than the previous two years bringing near to above normal snowfalls in northern Utah during this first 40% of the snow accumulation period. The Wasatch front area is the highest with several individual snow courses near 200% of normal. Weber Basin's 116% of normal (over twice last year's) snowpack is highest. Another water stressed area, the Jordan River and Great Salt Lake watershed, is 113% of average. Most of the Uinta, Price, San Rafael, Lower Sevier and Beaver watersheds are near normal. Grantsville, Tooele Valley, Virgin and southeastern Utah drainages have the poorest snowpacks containing about 75% of the usual amounts of water.

PRECIPITATION

The first six weeks of this water year (since Oct. 1st) were nearly devoid of precipitation in the mountains. Even though late November and December precipitation were above normal in Northern Utah, the seasonal percentage compared to average is only 90% of average for the Bear River Basin. The Weber is reporting 90% while other numbers trail off across the state to a low of 64% in the Virgin drainage.

December precipitation at lower elevations in Utah was characterized by below average amounts except for a narrow band along the Wasatch front with above to near 120% of average. The rest of Utah was near normal except for the Virgin River at 120% and an area near Milford at less than 80% of average.

Lower elevation seasonal precipitation (since Oct. 1st) has been below average over all of northern Utah and southern Utah with the Virgin River the exception with near normal amounts.

RESERVOIRS

Residual reservoir storage in northern Utah is of prime significance to this region's ability to recover from the past two years of poor inflows from snowmelt. The Weber system is of main concern with an overall 95% of usual amounts stored but several pools are very low such as Pineview, Causey, and Rockport storing only 27%, 35%, and 33% respectively.

Deer Creek is at 87% of usual for January 1. The Enterprise reservoirs remain quite low, while reservoirs over the rest of the state are above normal for this date.

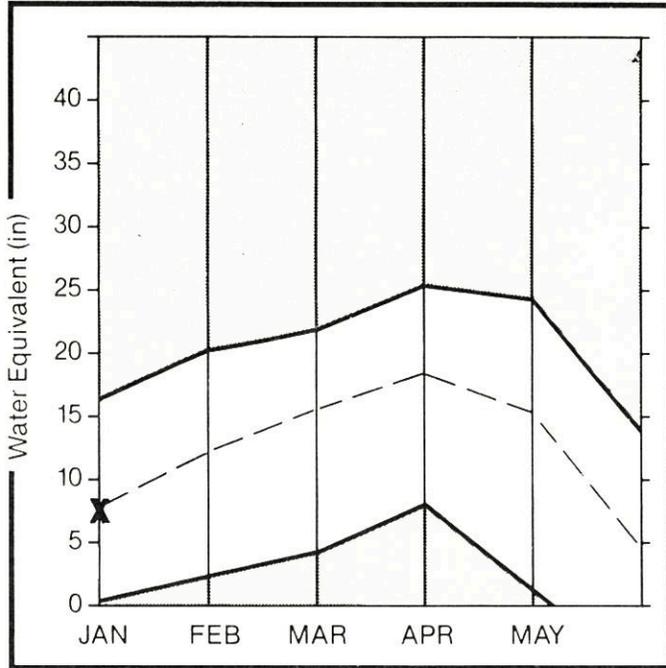
STREAMFLOW

January forecasts present a picture opposite of one year ago with northern Utah watersheds in the 80% to 90% of average with some near to a little over 100%. Southern Utah prospects are less favorable at this time with near 25% below normal streamflows expected. The rest of Utah is near normal.

These early season outlooks are highly dependent upon average snowfalls and spring precipitation. As the season progresses, the forecast values will be adjusted according to current conditions.

Bear River Basin

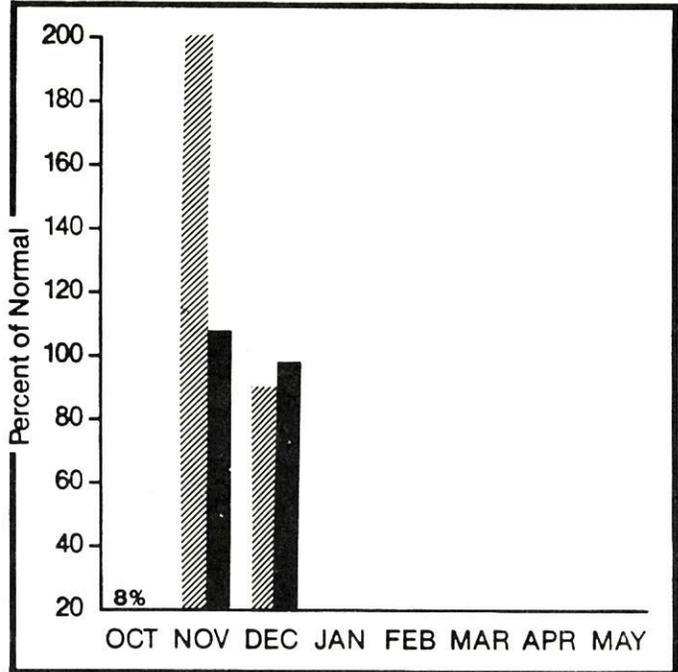
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpacks are just under normal in this basin. This is half again as much as one year ago. Fall precipitation is 98% of normal (highest in the state). Most streamflow predictions are between 69% and 105% of average. Reservoir storage is down by 20% compared to average.

For more information contact your local
 Soil Conservation Service Office:
 Tremonton Field Office 801-257-5403
 Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

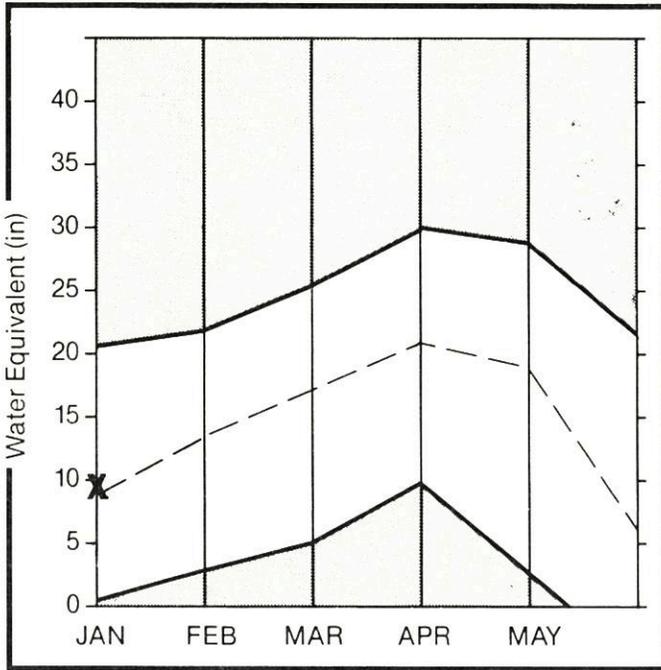
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|---------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BEAR RIVER near UT-WY Stateline | APR-JUL | 105 | 91 | 126 | 61 | 140 | 67 | 116 |
| BEAR near Woodruff | APR-JUL | 117 | 78 | 165 | 71 | 198 | 32 | 150 |
| WOODRUFF CREEK near Woodruff | APR-JUL | 15.0 | 87 | 16.6 | 7.4 | 20 | 7.9 | 17.3 |
| BIG CREEK near Randolph | APR-JUL | 5.8 | 109 | 7.9 | 3.3 | 8.8 | 2.8 | 5.3 |
| BEAR near Randolph | APR-JUL | 95 | 75 | 172 | 101 | 179 | 51 | 126 |
| SMITHS FORK near Border | APR-SEP | 85 | 69 | 137 | 87 | 151 | 36 | 123 |
| THOMAS FORK near Stateline | APR-SEP | 35 | 95 | 48 | 27 | 60 | 20 | 37 |
| BEAR RIVER near Harer | APR-SEP | 220 | 71 | 300 | 127 | 395 | 118 | 310 |
| BEAR RIVER below Stewart Dam | APR-SEP | 184 | 69 | 355 | 144 | 360 | 77 | 267 |
| CUB RIVER near Preston | APR-JUL | 44 | 94 | 52 | 36 | 60 | 28 | 47 |
| LITTLE BEAR RIVER near Paradise | APR-JUN | 43 | 102 | 56 | 22 | 67 | 18.6 | 42 |
| LOGAN RIVER near Logan | APR-JUL | 105 | 86 | 127 | 61 | 142 | 53 | 122 |
| BLACKSMITH FORK near Hyrum | APR-JUL | 48 | 94 | 60 | 28 | 74 | 25 | 51 |

| RESERVOIR STORAGE (1000AF) | | WATERSHED SNOWPACK ANALYSIS | | | | | | |
|----------------------------|--------------------|-----------------------------|-----------|-------|---------------------------|-------------------|----------------------------|--------------|
| RESERVOIR | USEABLE CAPACITY : | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| | YEAR | THIS YEAR | LAST YEAR | AVG. | | | | |
| BEAR LAKE | 1421.0 | 797.5 | 1001.0 | 992.6 | BEAR RIVER, UPPER IN UTAH | 6 | 145 | 92 |
| HYRUM | 15.3 | 9.4 | 10.1 | 10.0 | BEAR RIVER, LOWER IN UTAH | 10 | 192 | 100 |
| PORCUPINE | 11.3 | 4.5 | 3.0 | 2.8 | BEAR R. DRAINAGE IN UTAH | 15 | 176 | 97 |
| WOODRUFF NARROWS | 55.8 | 9.4 | 23.0 | --- | BEAR RIVER, UPPER | 10 | 144 | 88 |
| WOODRUFF CREEK | | NO REPORT | | | BEAR RIVER, LOWER | 12 | 179 | 97 |
| | | | | | BEAR RIVER DRAINAGE | 20 | 165 | 94 |
| | | | | | LOGAN RIVER | 5 | 205 | 91 |
| | | | | | RAFT RIVER | 1 | 241 | 155 |
| | | | | | BEAR RIVER BASIN | 23 | 167 | 96 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
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Weber & Ogden Watersheds

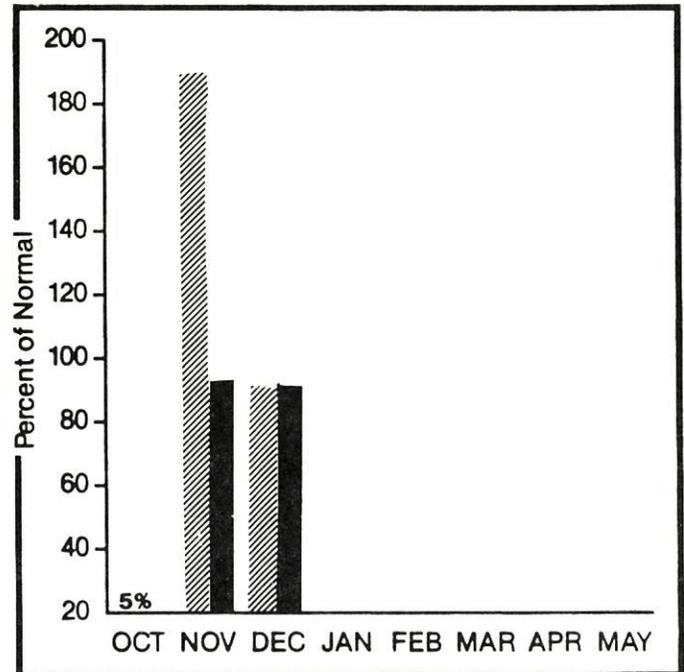
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpacks are off to a strong start (126% of average) on the Ogden River. This is 2 1/2 times last year's dismal season snowpack. Streamflow forecasts, however, are not as high with most flows expected to be near 90%. The Weber River at Gateway is forecast at 76% of average. The two very dry years previous will require 120%-130% of average precipitation to offset the dry watershed soils. The reservoir storage is very poor at three of the seven reservoirs in this watershed (Pineview 27%, Rock Port 33%, and Causey 35% of average).

For more information contact your local
Soil Conservation Service Office:
Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

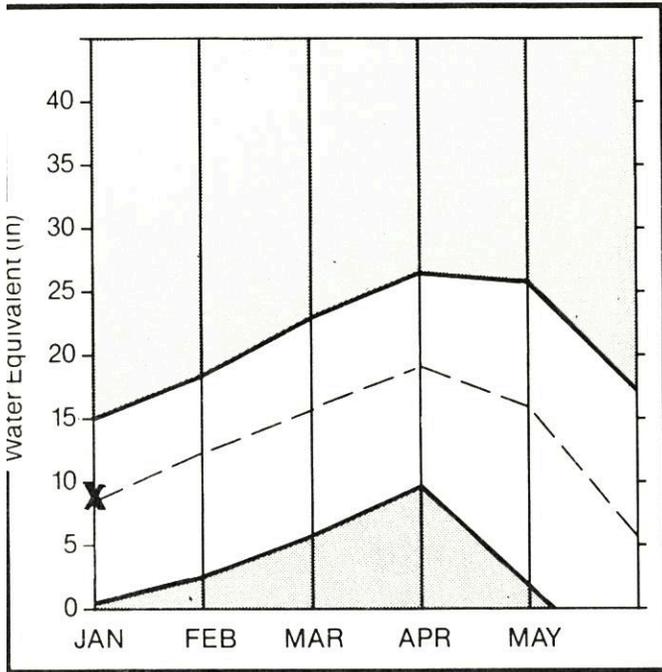
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SMITH AND MOOREHOUSE CREEK near Oakl | APR-JUN | 29 | 96 | 35 | 23 | 39 | 19.7 | 30 |
| WEBER RIVER near Oakley | APR-JUN | 100 | 93 | 120 | 85 | 140 | 65 | 107 |
| ROCKPORT RESERVOIR inflow | APR-JUN | 93 | 78 | 131 | 67 | 154 | 38 | 120 |
| CHALK CREEK near Coalville | APR-JUN | 36 | 88 | 46 | 25 | 57 | 21 | 41 |
| WEBER RIVER near Coalville | APR-JUN | 99 | 78 | 108 | 47 | 159 | 51 | 127 |
| ECHO RESERVOIR inflow | APR-JUN | 135 | 83 | 205 | 73 | 210 | 52 | 163 |
| LOST CREEK near Croyden | APR-JUN | 14.0 | 90 | 16.3 | 10.3 | 24 | 4.0 | 15.6 |
| EAST CANYON CREEK near Morgan | APR-JUN | 27 | 93 | 35 | 19.7 | 43 | 13.1 | 29 |
| HARDSCRABBLE CREEK near Porterville | APR-JUN | 18.0 | 98 | 23 | 13.4 | 32 | 7.5 | 18.4 |
| WEBER RIVER at Gateway | APR-JUN | 250 | 76 | 395 | 138 | 435 | 99 | 328 |
| SOUTH FORK OGDEN RIVER near Huntsvil | APR-JUN | 50 | 86 | 70 | 38 | 70 | 27 | 58 |
| PINEVIEW RESERVOIR inflow | APR-JUN | 95 | 78 | 128 | 74 | 149 | 51 | 122 |
| WHEELER CREEK near Huntsville | APR-JUN | 6.0 | 95 | 7.5 | 4.1 | 8.5 | 3.1 | 6.3 |
| FARMINGTON CREEK near Farmington | APR-JUL | 8.0 | 98 | 9.1 | 4.7 | 14.1 | 3.7 | 8.2 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|-------------|----------------------------|------------------------------|-----------|---------|-----------------------------|-------------------|------------------------------------|-----|
| | USEABLE CAPACITY | ** USEABLE STORAGE THIS YEAR | LAST YEAR | ** AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| CAUSEY | 7.1 | 2.5 | 3.6 | 2.1 | OGDEN RIVER | 4 | 242 | 126 |
| EAST CANYON | 48.1 | 27.5 | 30.4 | 33.3 | WEBER RIVER | 14 | 213 | 114 |
| ECHO | 73.9 | 42.0 | 43.1 | 41.4 | WEBER & OGDEN WATERSHEDS | 18 | 220 | 117 |
| LOST CREEK | 20.0 | 12.0 | 16.7 | 12.7 | | | | |
| PINEVIEW | 110.1 | 30.2 | 38.9 | 50.0 | | | | |
| ROCKPORT | 60.9 | 20.1 | 25.0 | 34.1 | | | | |
| WILLARD BAY | 165.5 | 103.8 | 125.3 | 104.9 | | | | |

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Utah Lake, Jordan River & Tooele Valley

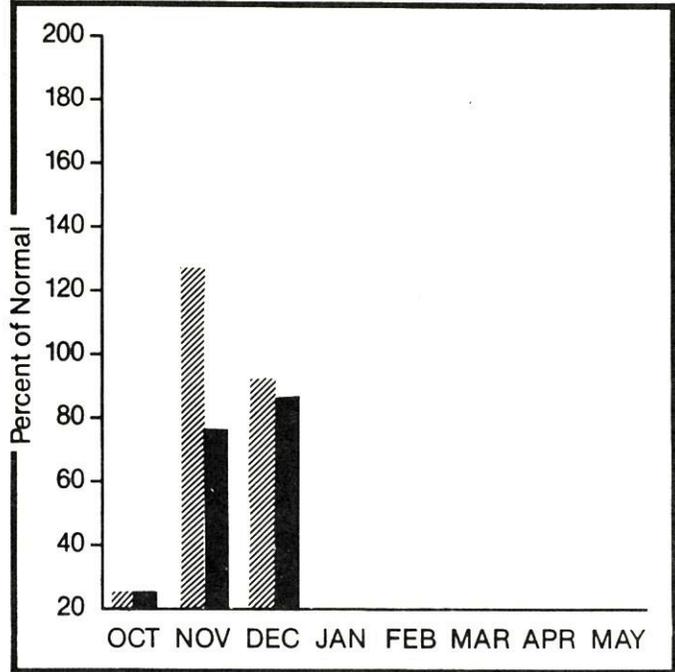
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack in Wasatch front drainages is 103% of average. Six courses in the Timpanogos and "Six Creeks" area are over twice normal for January 1. Trial Lake, however a major indicator for the Provo system, is only 74% of average. Streamflow forecasts are near 60% average. Deer Creek Reservoir storage remains below average on January 1.

For more information contact your local
 Soil Conservation Service Office:
 Midvale Field Office 801-524-4373
 Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

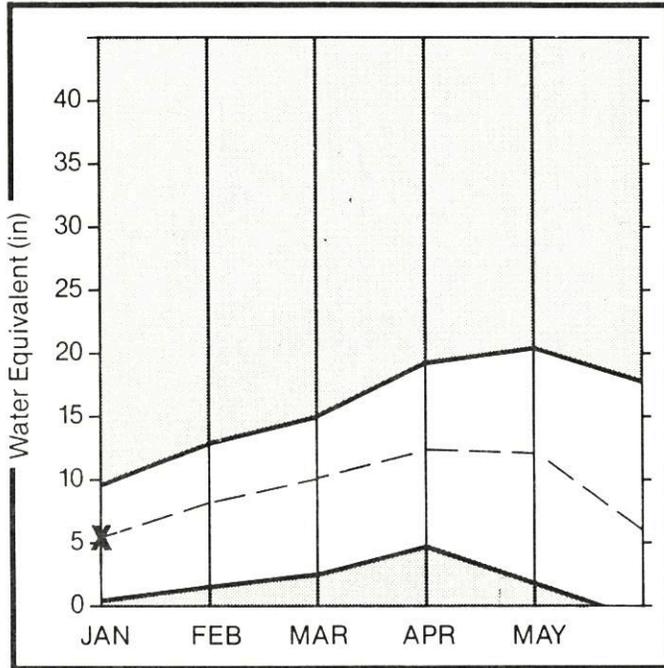
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SALT CREEK near Nephi | APR-JUL | 12.0 | 89 | 10.5 | 5.9 | 18.2 | 6.2 | 15.5 |
| PAYSON CREEK near Payson | APR-JUL | 6.5 | 89 | | | | | 7.3 |
| HOBBLE CREEK near Springville | APR-JUL | 20 | 86 | | | | | 23 |
| PROVO near Hailstone | APR-JUL | 100 | 88 | | | 146 | 57 | 113 |
| PROVO below Deer Creek Dam | APR-JUL | 105 | 79 | | | 160 | 42 | 133 |
| AMERICAN FORK near American Fk. | APR-JUL | 25 | 74 | | | 54 | 17.5 | 34 |
| UTAH LAKE inflow | APR-JUL | 200 | 68 | | | 350 | 53 | 295 |
| LITTLE COTTONWOOD CRK near SLC | APR-JUL | 37 | 90 | | | 45 | 26 | 41 |
| BIG COTTONWOOD CRK near SLC | APR-JUL | 35 | 90 | | | 41 | 28 | 39 |
| PARLEY'S CREEK near SLC | APR-JUL | 14.0 | 82 | | | 21 | 8.2 | 17.0 |
| MILL CREEK near SLC | APR-JUL | 6.0 | 87 | | | 6.3 | 2.3 | 6.9 |
| EMIGRATION CREEK near SLC | APR-JUL | 3.3 | 72 | | | | | 4.6 |
| CITY CREEK near SLC | APR-JUL | 6.5 | 72 | | | 6.7 | 3.6 | 9.0 |
| VERNON CREEK near Vernon | APR-JUN | 1.1 | 92 | 1.2 | 0.9 | 1.9 | 0.7 | 1.2 |
| SETTLEMENT CREEK near Tooele | APR-JUL | 2.2 | 96 | 2.5 | 1.3 | 3.7 | 0.7 | 2.3 |
| SOUTH WILLOW CREEK near Grantsville | APR-JUL | 2.4 | 80 | 3.0 | 2.0 | 3.6 | 1.1 | 3.0 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|---------------------|----------------------------|------------------------------------|-----------|-------|-----------------------------|----------------------|-------------------------------|-----------------|
| | USEABLE CAPACITY | ** USEABLE STORAGE ** THIS YEAR | LAST YEAR | AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| DEER CREEK | 149.6 | 81.7 | 99.3 | 93.5 | PROVO RIVER & UTAH LAKE | 10 | 168 | 94 |
| GRANTSVILLE | 3.3 | 1.3 | 1.3 | --- | PROVO RIVER | 5 | 162 | 83 |
| SETTLEMENT CREEK | 1.0 | 0.4 | 0.5 | 0.6 | JORDAN RIVER & GREAT SALT | 6 | 223 | 113 |
| STRAWBERRY-ENLARGED | 951.4 | 403.2 | 403.2 | --- | TOOELE & VERNON W.S.'S | 0 | 0 | 0 |
| UTAH LAKE | 855.5 | 550.0 | 711.0 | 601.6 | UTAH L.-JORDAN R.-TOOELE | 16 | 191 | 103 |
| VERNON CREEK | 0.6 | 0.8 | 0.6 | 0.4 | | | | |

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Uintah Basin & Dagget SCD's

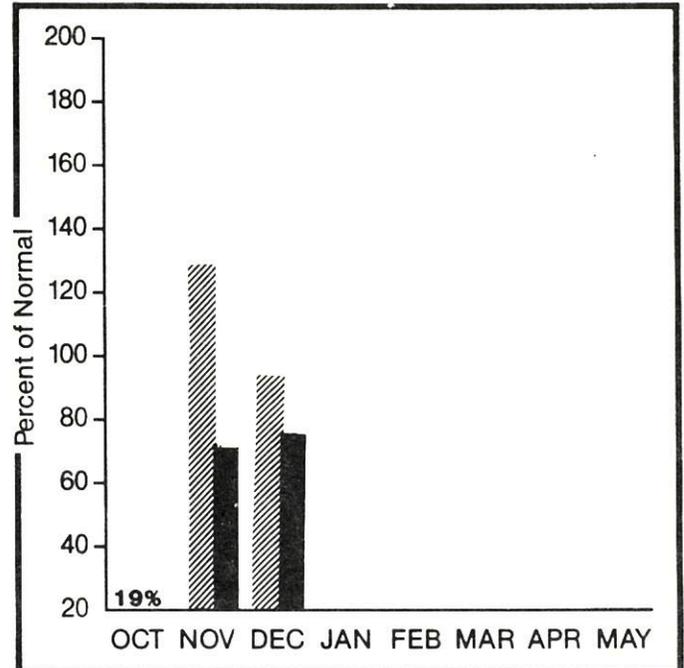
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

North and east slopes of the Uinta Range sport above average snowpacks with the rest near normal. Streamflows, with average conditions expected, will range from 81% to 104% of average. Reservoir storage is good.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

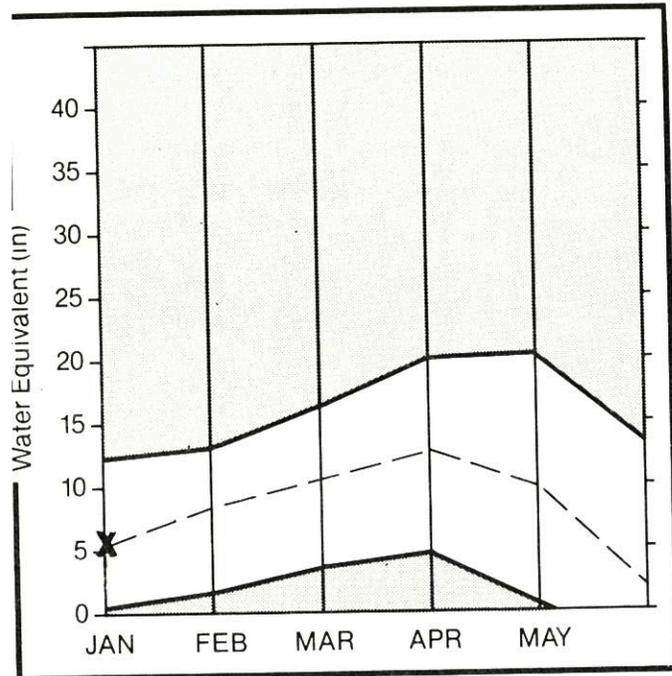
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|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BLACK'S FORK nr Millburne | APR-JUL | 86 | 90 | 103 | 69 | 125 | 52 | 96 |
| HENRY'S FORK nr Manila 2 | APR-JUL | 40 | 89 | 53 | 38 | 61 | 24 | 45 |
| GREEN RIVER nr Greendale 2 | APR-JUL | 1020 | 81 | | | 1460 | 625 | 1267 |
| BIG BRUSH CREEK ab Red Fleet Res | APR-JUL | 17.0 | 86 | 20 | 14.4 | 24 | 11.7 | 19.8 |
| ASHLEY CREEK nr Vernal 2 | APR-JUL | 46 | 88 | 55 | 37 | 64 | 32 | 52 |
| WEST FORK DUCHESNE RIVER nr Hanna | APR-JUL | 27 | 104 | 33 | 21 | 34 | 17.9 | 26 |
| DUCHESNE RIVER nr Tabiona | APR-JUL | 99 | 90 | 118 | 80 | 128 | 65 | 110 |
| ROCK CREEK nr Mountain Home | APR-JUL | 86 | 91 | 96 | 77 | 118 | 60 | 95 |
| DUCHESNE RIVER abv Knight Diversion | APR-JUL | 168 | 87 | 184 | 152 | 230 | 110 | 194 |
| STRAWBERRY RIVER nr Soldier Springs | APR-JUL | 60 | 100 | 74 | 46 | 77 | 36 | 60 |
| CURRANT CREEK nr Fruitland 2 | APR-JUL | 23 | 100 | 28 | 19.1 | 30 | 16.1 | 23 |
| STRAWBERRY RIVER nr Duchesne 2 | APR-JUL | 120 | 99 | 153 | 87 | 158 | 84 | 121 |
| LAKEFORK RIVER blw Moon Lake 2 | APR-JUL | 64 | 90 | 79 | 51 | 88 | 44 | 71 |
| YELLOWSTONE RIVER nr Altonah | APR-JUL | 55 | 83 | 66 | 44 | 83 | 27 | 66 |
| DUCHESNE RIVER at Myton 2 | APR-JUL | 250 | 91 | 340 | 170 | 360 | 93 | 275 |
| UINTA RIVER nr Neola | APR-JUL | 76 | 86 | 94 | 58 | 113 | 39 | 88 |
| WHITEROCKS RIVER nr Whiterocks | APR-JUL | 54 | 90 | 64 | 44 | 79 | 29 | 60 |
| DUCHESNE RIVER nr Randlett | APR-JUL | 295 | 87 | 415 | 186 | 545 | 43 | 340 |

| RESERVOIR STORAGE | | (1000AF) | | | WATERSHED SNOWPACK ANALYSIS | | | |
|---------------------|------------------|-----------|-----------|-------|-----------------------------|-------------------|------------------------------------|-----|
| RESERVOIR | USEABLE CAPACITY | THIS YEAR | LAST YEAR | AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| FLAMING GORGE | 3749.0 | 2959.0 | 3216.2 | --- | UPPER GREEN RIVER in UTAH | 9 | 124 | 110 |
| MOON LAKE | 35.8 | 6.5 | 19.8 | 13.6 | ASHLEY CREEK | 2 | 184 | 108 |
| RED FLEET | 26.0 | 18.8 | 20.0 | --- | BLACK'S FORK RIVER | 3 | 133 | 105 |
| STEINAKER | 33.3 | 14.7 | 24.7 | 18.2 | SHEEP CREEK | 2 | 106 | 118 |
| STARVATION | 165.3 | 149.1 | 155.7 | 105.2 | DUCHESNE RIVER | 11 | 141 | 93 |
| STRAWBERRY-ENLARGED | 951.4 | 403.2 | 403.2 | --- | LAKE FORK-YELLOWSTONE CK. | 3 | 104 | 84 |
| | | | | | STRAWBERRY RIVER | 4 | 164 | 95 |
| | | | | | UINTAH-WHITEROCKS RIVERS | 3 | 142 | 98 |
| | | | | | UINTAH BASIN & DAGGET SCD | 20 | 133 | 100 |

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Carbon, Emery, Wayne, Grand, and San Juan Co.

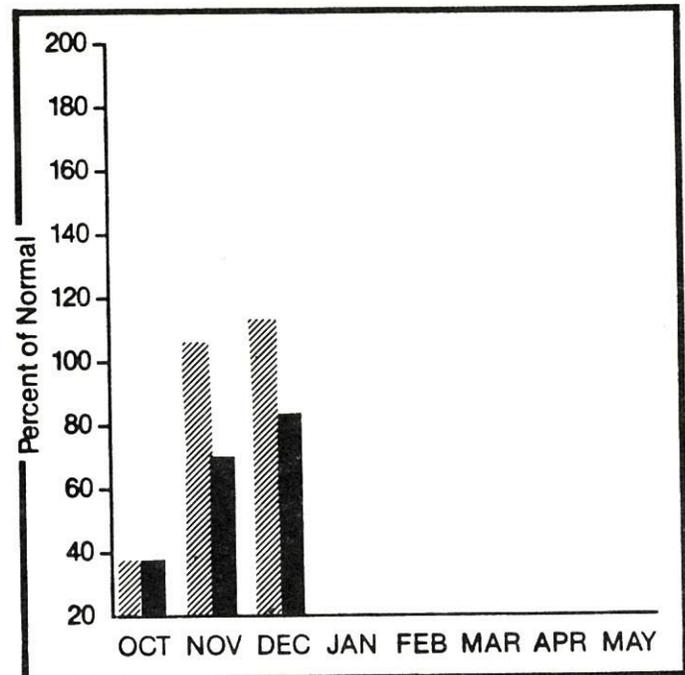
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Most snowpacks are near normal with about 25% below normal in the Blue Mountain area. Spring and early summer flow in the rivers of this region are forecast at 67% to 109% of average. Reservoir storage is good at this early point in the 1989 water year.

For more information contact your local
 Soil Conservation Service Office:
 Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GOOSEBERRY CREEK nr Scofield | APR-JUL | 10.3 | 86 | | | 15.9 | 4.7 | 12.0 |
| SCOFIELD RESERVOIR inflow | APR-JUL | 43 | 93 | | | 62 | 27 | 46 |
| PRICE RIVER nr Heiner 2 | APR-JUL | 52 | 67 | | | 86 | 25 | 78 |
| GREEN RIVER at Green River, UT 2 | APR-JUL | 2900 | 91 | | | 4050 | 1690 | 3182 |
| HUNTINGTON CREEK inf to Electric Lak | APR-JUL | 15.0 | 99 | 18.2 | 11.8 | 22 | 9.7 | 15.1 |
| HUNTINGTON CREEK nr Huntington 2 | APR-JUL | 51 | 93 | | | 76 | 32 | 55 |
| COTTONWOOD CREEK nr Orangeville 2 | APR-JUL | 51 | 109 | 66 | 37 | 69 | 33 | 47 |
| FERRON CREEK nr Ferron | APR-JUL | 44 | 107 | 57 | 32 | 62 | 26 | 41 |
| COLORADO nr Cisco, UT 2 | APR-JUL | 2950 | 86 | | | 4950 | 1370 | 3443 |
| MILL CREEK nr Moab | APR-JUL | 4.9 | 89 | 5.6 | 4.2 | 8.2 | 1.6 | 5.5 |
| SEVEN MILE CREEK nr Fish Lake | APR-JUL | 6.6 | 102 | 7.4 | 5.3 | 10.5 | 2.7 | 6.5 |
| MUDDY CREEK nr Emery | APR-JUL | 22 | 105 | 29 | 16.1 | 35 | 9.4 | 21 |
| SAN JUAN RIVER nr Archuleta 2 | APR-JUL | 690 | 90 | 805 | 590 | 1120 | 345 | 764 |
| SAN JUAN nr Bluff, UT 2 | APR-JUL | 1080 | 99 | | | 1620 | 515 | 1091 |

RESERVOIR STORAGE (1000AF)

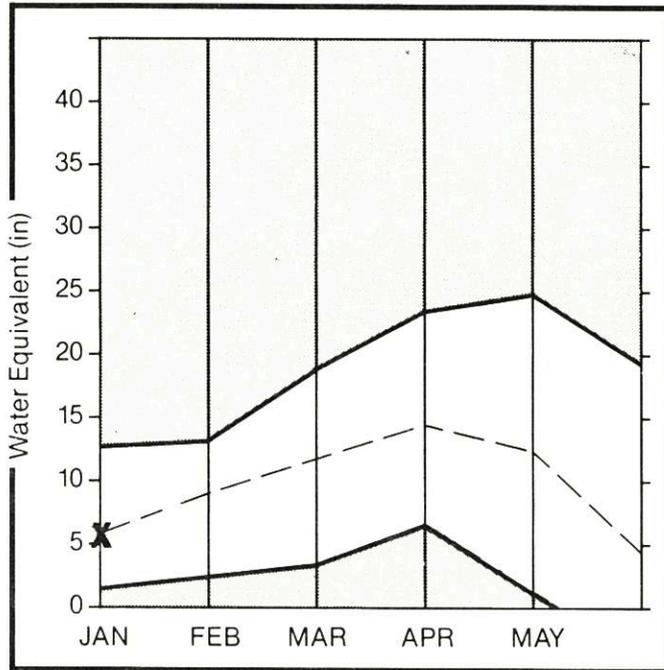
WATERSHED SNOWPACK ANALYSIS

| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
|------------------|------------------|-----------------------|-----------|------|---------------------------|-------------------|-------------------|---------|
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| HUNTINGTON NORTH | 3.9 | 2.2 | 3.6 | 2.0 | PRICE RIVER | 3 | 171 | 99 |
| JOE'S VALLEY | 61.6 | 39.8 | 44.2 | 42.7 | SAN RAFAEL RIVER | 7 | 146 | 107 |
| KEN'S LAKE | 2.3 | 0.0 | 0.0 | --- | MUDDY RIVER | 2 | 141 | 107 |
| MILL SITE | 16.7 | 9.2 | 6.8 | 3.0 | FREMONT RIVER | 4 | 147 | 92 |
| SCOFIELD | 65.8 | 28.7 | 37.6 | 30.3 | LASAL MOUNTAINS | 2 | 65 | 77 |
| | | | | | BLUE MOUNTAINS | 2 | 85 | 75 |
| | | | | | WILLOW CREEK - WHITE RIVE | 2 | 174 | 54 |
| | | | | | SOUTHEASTERN UTAH | 21 | 123 | 95 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Sevier & Beaver River Basins

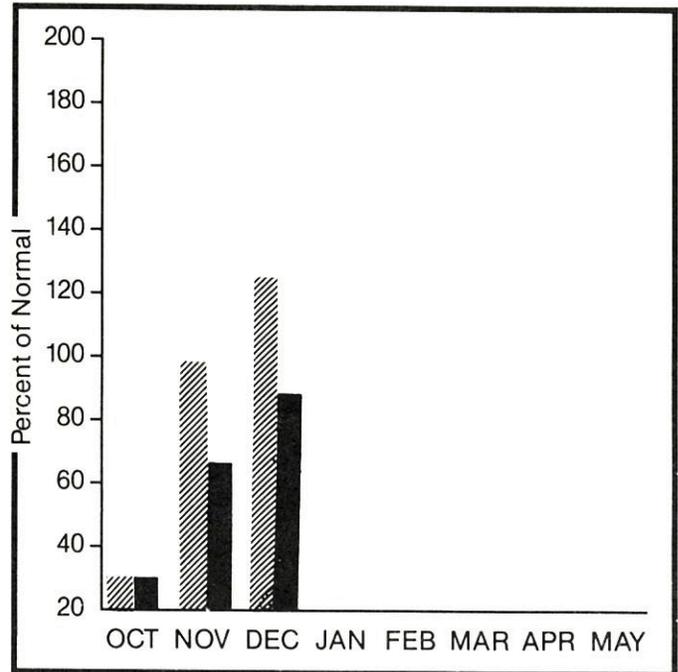
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpacks are best on the Beaver drainage (104% of average). Lowest amounts are in the Upper Sevier (85%-87% of average). Streamflows are expected to be 72% to 102% of average. Above average snow and spring precipitation could boost these expectations to near normal. Reservoir storage is currently above average for January 1.

For more information contact your local
 Soil Conservation Service Office:
 Richfield Field Office 801-896-6261
 Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

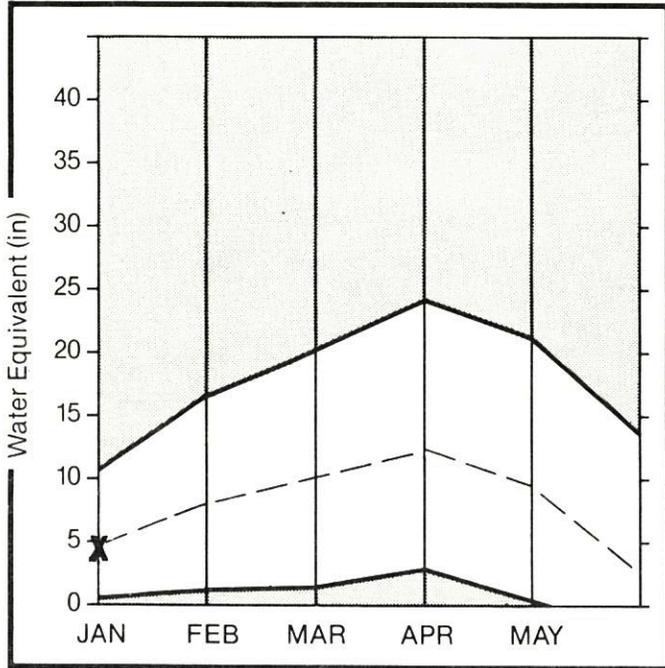
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SEVIEP at Hatch | APR-JUL | 40 | 77 | | | 70 | 17.6 | 52 |
| SEVIER near Circleville | APR-JUL | 35 | 80 | | | | | 44 |
| SEVIER near Kingston | APR-JUL | 25 | 74 | | | 48 | 12.1 | 34 |
| ANTIMONY CREEK near Antimony | APR-JUL | 7.0 | 79 | | | | | 8.9 |
| E F SEVIER near Kingston | APR-JUL | 18.0 | 75 | | | 43 | 6.7 | 24 |
| SEVIER blw Piute Dam | APR-JUL | 45 | 80 | | | 106 | 13.6 | 56 |
| CLEAR CREEK near Sevier | APR-JUL | 18.0 | 82 | | | | | 22 |
| SIGURD to GUNNISON | APR-JUL | 35 | 80 | | | 83 | 10.8 | 44 |
| KINGSTON to VERMILLION DAM | APR-JUN | 32 | 80 | | | | | 40 |
| VERMILLION DAM to GUNNISON | MAR-JUN | 43 | 80 | | | | | 54 |
| SALINA CREEK at Salina | APR-JUN | 14.0 | 77 | | | | | 18.2 |
| PLEASANT CREEK near Pleasant | APR-JUL | 9.5 | 83 | | | | | 11.5 |
| EPHRAIM CREEK near Ephraim | APR-JUL | 18.0 | 72 | | | | | 25 |
| SEVIER nr Gunnison | APR-JUL | 80 | 81 | | | | | 99 |
| CHICKEN CREEK near Levan | APR-JUL | 3.2 | 91 | 5.3 | 3.4 | 4.5 | 1.9 | 3.5 |
| OAK CREEK near Oak City | APR-JUL | 1.3 | 81 | 2.1 | 1.6 | 2.1 | 0.7 | 1.6 |
| CHALK CREEK near Fillmore | APR-JUL | 15.0 | 91 | 19.8 | 10.2 | 25 | 5.2 | 16.4 |
| BEAVER RIVER near Beaver | APR-JUL | 25 | 93 | 33 | 18.0 | 45 | 9.9 | 27 |
| NORTH CREEK near Beaver (combined) | APR-JUL | 14.0 | 96 | 15.8 | 9.6 | 28 | 6.0 | 14.6 |
| MINERSVILLE RESERVOIR inflow | APR-JUN | 14.6 | 102 | 21 | 8.7 | 25 | 3.9 | 14.3 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|---------------------|----------------------------|------------------------------|------------------------------|-------------------------|-----------------------------|-------------------|----------------------------|--------------|
| | USEABLE CAPACITY | ** USEABLE STORAGE THIS YEAR | ** USEABLE STORAGE LAST YEAR | ** USEABLE STORAGE AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| GUNNISON | 20.3 | 6.1 | 9.2 | 9.5 | U SEVIER (s of Richfield) | 11 | 105 | 87 |
| MINERSVILLE (RkyFd) | 26.0 | 15.1 | 13.8 | 9.3 | EAST FORK SEVIER RIVER | 4 | 112 | 92 |
| OTTER CREEK | 52.7 | 44.6 | 44.6 | 23.8 | SOUTH FORK SEVIER RIVER | 7 | 102 | 85 |
| PIUTE | 71.8 | 48.2 | 47.1 | 29.3 | LOWER SEVIER RIVER | 12 | 123 | 103 |
| SEVIER BRIDGE | 236.0 | 157.5 | 155.1 | 87.0 | BEAVER RIVER | 3 | 98 | 104 |
| PANQUITCH LAKE | 22.3 | 16.8 | 18.6 | --- | SEVIER & BEAVER R. BASINS | 26 | 114 | 98 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

E. Garfield, Kane, Washington, & Iron Co.

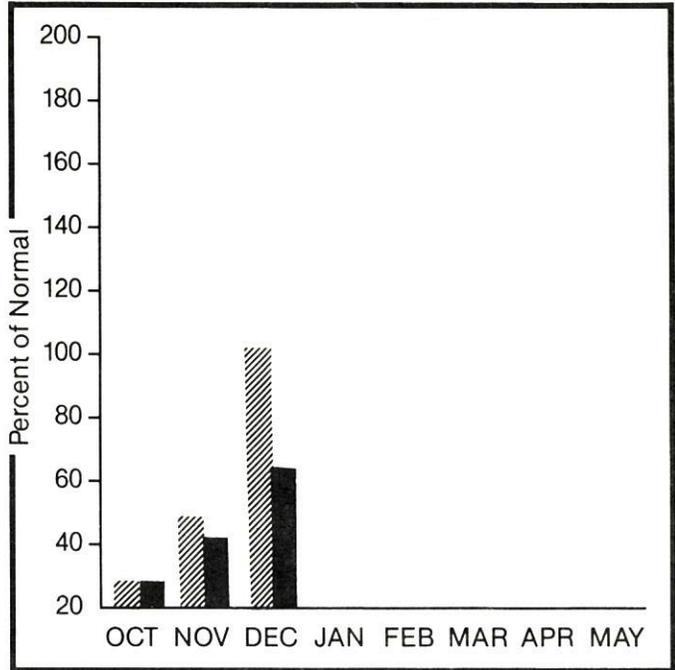
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow predictions are 40% to 25% below average at present with snowpacks that are, for the most part, well below average. Snowpack and precipitation performance will need to improve during the next two months in this area of Utah in order to provide ample runoff and restore comfortable storage levels to the low reservoirs.

For more information contact your local
Soil Conservation Service Office:
Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| COAL CREEK near Cedar City | APR-JUL | 15.0 | 75 | | | 25 | 8.0 | 20 |
| COLORADO RIVER inf to Lake Powell 2 | APR-JUL | 7000 | 87 | 9750 | 4250 | 10600 | 3850 | 8066 |
| VIRGIN near Hurricane | APR-JUN | 50 | 74 | | | 86 | 20 | 68 |
| SANTA CLARA near Pine Valley | APR-JUN | 3.0 | 60 | | | 6.3 | 1.2 | 5.0 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|------|-----------------------------|-------------------|------------------------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNLOCK | 10.4 | 8.0 | 6.5 | --- | VIRGIN RIVER | 5 | 80 | 78 |
| LAKE POWELL | 25002.0 | 0.0 | 0.0 | --- | PAROWAN | 4 | 71 | 73 |
| QUAIL CREEK | | NO REPORT | | | ENTERPRISE TO NEW HARMONY | 2 | 71 | 168 |
| UPPER ENTERPRISE | 10.0 | 0.5 | --- | --- | COAL CREEK | 3 | 72 | 74 |
| LOWER ENTERPRISE | 2.6 | 0.1 | --- | --- | ESCALANTE RIVER | 2 | 70 | 68 |
| | | | | | SOUTHWESTERN UTAH | 12 | 78 | 82 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

SNOW MEASUREMENT DATA

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ALTA CENTRAL | 8800 | 01/01 | 70 | 20.3 | - | 17.5 |
| ASHLEY TWIN LAKES | 10500 | | | | - | 7.5 |
| ATWOOD LAKE | 10840 | | | | - | 5.5 |
| ATWOOD LAKE SNOTEL | 10840 | 01/01 | - | 3.3 | 3.0 | 5.6 |
| BEAVER CREEK DIVIDE | 8280 | 12/30 | 23 | 4.4 | 2.9 | 5.7 |
| BEAVER DIVIDE SNOTL | 8280 | 01/01 | - | 4.4 | - | - |
| BEAVER DAMS | 8000 | 12/30 | 26 | 5.4 | 5.2 | 4.8 |
| BEAVER DAMS SNOTEL | 8000 | 01/01 | - | 4.3 | - | - |
| BEN LOMOND PEAK | 8000 | 12/27 | 91 | 20.9 | 6.8 | 14.7 |
| BEN LOMOND PK SNOTL | 8000 | 01/01 | - | 21.1 | - | - |
| BEN LOMOND TRAIL | 6000 | 12/27 | 56 | 11.4 | 3.4 | 7.1 |
| BEN LOMOND TR SNOTL | 6000 | 01/01 | - | 15.1 | - | - |
| BEVAN'S CABIN | 6450 | | | | - | 2.6 |
| BIG FLAT | 10290 | 12/27 | 39 | 7.0 | 8.9 | 7.0 |
| BIG FLAT SNOTEL | 10290 | 01/01 | - | 8.6 | 8.9 | 6.3 |
| BIRCH CROSSING | 8100 | 12/28 | 18 | 3.4 | 3.2 | 3.3 |
| BLACK'S FLAT-U.M. CK | 9400 | 12/29 | 24 | 4.8 | 3.0 | 5.0 |
| BLACK FLAT-U.M. CK S | 9400 | 01/01 | - | 3.6 | 3.8 | 4.5 |
| BLACK'S FORK | 9200 | 12/29 | - | 6.5E | 4.8 | 6.1 |
| BLACK'S FORK GS-EF | 9340 | 12/29 | 19 | 4.2 | 3.0 | 3.7 |
| BLACK'S FORK JUNCTN | 8930 | 12/29 | 23 | 5.4 | 3.6 | 3.9 |
| BOX CREEK | 9300 | 12/29 | 30 | 6.1 | 4.4 | 5.6 |
| BOX CREEK SNOTEL | 9300 | 01/01 | - | 5.4 | - | - |
| BRIAN HEAD | 10000 | 12/27 | 32 | 5.8 | 10.9 | 9.1 |
| BRIGHTON | 8750 | 12/29 | 47 | 12.4 | 5.9 | 15.4 |
| BRIGHTON SNOTEL | 8750 | 01/01 | - | 13.0 | - | - |
| BRIGHTON CABIN | 8700 | 12/28 | 51 | 14.1 | - | 12.9 |
| BROWN DUCK RIDGE | 10600 | 12/30 | 38 | 6.4 | 7.6 | 8.6 |
| BROWN DUCK SNOTEL | 10600 | 01/01 | - | 6.2 | 6.7 | 8.3 |
| BRYCE CANYON | 8000 | 12/28 | 10 | 1.5 | 1.2 | 2.1 |
| BUCK FLAT | 9800 | 12/30 | 36 | 7.9 | 5.3 | 7.1 |
| BUCK FLAT SNOTEL | 9800 | 01/01 | - | 8.2 | 5.5 | 6.8 |
| BUCK PASTURE | 9700 | | | | - | 9.0 |
| BUCKBOARD FLAT | 9000 | 01/01 | - | 5.0e | 6.1 | 6.5 |
| BUG LAKE | 7950 | 12/28 | 28 | 6.8 | 5.1 | 8.3 |
| BUG LAKE SNOTEL | 7950 | 01/01 | - | 6.0 | - | - |
| BURT'S-MILLER RANCH | 7900 | 12/29 | 12 | 2.5 | 1.6 | 2.4 |
| CAMP JACKSON | 8600 | 01/01 | - | 4.9e | 5.6 | 6.7 |
| CAMP JACKSON SNOTEL | 8600 | 01/01 | - | 4.9 | 4.5 | 6.7 |
| CASTLE VALLEY | 9580 | 12/27 | 24 | 4.6 | 5.2 | 6.1 |
| CASTLE VALLEY SNOTL | 9580 | 01/01 | - | 4.4 | - | - |
| CHALK CREEK #1 | 9100 | 12/29 | 41 | 9.9 | 6.5 | 10.0 |
| CHALK CK #1 SNOTEL | 9100 | 01/01 | - | 11.6 | - | - |
| CHALK CREEK #2 | 8200 | 12/29 | 33 | 6.5 | 4.2 | 6.5 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| CHALK CK #2 SNOTEL | 8200 | 01/01 | - | 7.9 | - | - |
| CHALK CREEK #3 | 7500 | 12/29 | 21 | 3.7 | 2.6 | 3.6 |
| CHEPETA | 10300 | 12/29 | 36 | 6.6 | 4.4 | 5.3 |
| CHEPETA SNOTEL | 10300 | 01/01 | - | 6.2 | 4.1 | 5.2 |
| CHEPETA-WHITERKS. LK | 10350 | | | | - | 6.6 |
| CITY CREEK | 7500 | 01/05 | 55 | 16.6 | - | 13.0 |
| CLEAR CREEK MEADOWS | 9420 | 12/30 | - | 14.7E | 6.1 | 9.5 |
| CLEAR CREEK RIDGE #1 | 9200 | 12/30 | 36 | 8.4 | 5.3 | 8.1 |
| CLEAR CK RIDG #1 SNT | 9200 | 01/01 | - | 9.0 | - | - |
| CLEAR CREEK RIDGE #2 | 8000 | 12/30 | 32 | 6.8 | 3.8 | 6.6 |
| CLEAR CK RIDG #2 SNT | 8000 | 01/01 | - | 6.6 | 3.8 | 6.6 |
| CLEAR CREEK RIDGE #3 | 6600 | 12/30 | 23 | 5.0 | 2.8 | 3.8 |
| CURRANT CREEK | 8000 | 12/30 | 27 | 4.7 | 1.5 | 4.5 |
| CURRANT CREEK SNOTEL | 8000 | 01/01 | - | 5.2 | 1.6 | 4.9 |
| DANIELS-STRAWBERRY | 8000 | 12/30 | 27 | 5.4 | 3.1 | 6.2 |
| DANIELS-STRAWBERRY S | 8000 | 01/01 | - | 7.5 | 3.9 | 6.9 |
| DESERET PEAK | 9250 | 01/01 | - | 8.5e | - | 12.2 |
| DESERET PEAK AM | 9250 | | | | - | 12.2 |
| DESERET PEAK SNOTEL | 9250 | 01/01 | - | 8.5 | - | - |
| DILL'S CAMP | 9200 | 12/29 | 28 | 5.6 | 3.8 | 5.2 |
| DILL'S CAMP SNOTEL | 9200 | 01/01 | - | 5.9 | 3.4 | 5.8 |
| DONKEY RESERVOIR | 9800 | 12/29 | 14 | 2.3 | 2.5 | 3.3 |
| DONKEY RESERVOIR SNO | 9800 | 01/01 | - | 2.5 | 3.0 | 3.3 |
| DRY BREAD POND | 8350 | 12/27 | 32 | 6.8 | 4.6 | 8.5 |
| DRY BREAD POND SNOTL | 8350 | 01/01 | - | 16.8 | - | - |
| DUCK CREEK R.S. | 8700 | 12/27 | - | 5.2E | 3.0 | 5.5 |
| EAST SHINGLE LAKE | 9800 | | | | - | 13.3 |
| EAST WILLOW CREEK | 8250 | 01/01 | - | 3.2e | - | 5.7 |
| EAST WILLOW CREEK SN | 8250 | 01/01 | - | 3.2 | 3.6 | 5.7 |
| FARMINGTON CANYON | 8000 | 12/28 | 79 | 17.8 | 6.1 | 13.7 |
| FARMINGTON CN SNOTEL | 8000 | 01/01 | - | 19.9 | - | - |
| FARMINGTON CANYON L. | 6950 | 12/28 | 70 | 15.3 | 4.6 | 10.4 |
| FARNSWORTH LAKE | 9600 | 12/29 | 37 | 8.5 | 7.7 | 8.3 |
| FARNSWORTH LK SNOTEL | 9600 | 01/01 | - | 7.7 | - | - |
| FISH LAKE | 8700 | 12/29 | 16 | 3.3 | 2.3 | 3.9 |
| FIVE POINT LAKE | 10920 | | | | - | 7.0 |
| FIVE POINTS LAKE SNO | 10920 | 01/01 | - | 6.0 | 4.6 | 6.0 |
| FRANCES FLATS | 6700 | 01/05 | 48 | 13.5 | - | 10.1 |
| G.B.R.C. HEADQUARTER | 8700 | 12/30 | 31 | 7.1 | 5.4 | 7.3 |
| G.B.R.C. MEADOWS | 10000 | 12/30 | 38 | 8.9 | 8.2 | 9.9 |
| GARDEN CITY SUMMIT | 7600 | 12/28 | 24 | 4.9 | 2.5 | 7.6 |
| GEORGE CREEK | 8840 | | | | - | 8.8 |
| GOOSEBERRY R.S. | 8000 | 12/29 | 28 | 6.1 | 5.0 | 5.3 |
| GOOSEBERRY R.S. SNOT | 8000 | 01/01 | - | 4.4 | - | - |
| HARDSCRABBLE | 6700 | 01/04 | - | 13.0e | 4.4 | 9.3 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-------------------------|-------|-------|------------|------------------|-----------|-----------------|
| HARRIS FLAT | 7700 | 12/27 | 15 | 3.0 | 1.1 | 3.4 |
| HARRIS FLAT SNOTEL | 7700 | 01/01 | - | 2.2 | - | - |
| HAYDEN FORK | 9400 | 12/30 | 26 | 4.7 | 4.3 | 6.2 |
| HAYDEN FORK SNOTEL | 9100 | 01/01 | - | 7.7 | 4.5 | 7.5 |
| HENRY'S FORK | 10000 | | | | - | 6.5 |
| HEWINTA G.S. | 9500 | 12/29 | 21 | 4.2 | 4.1 | 3.8 |
| HEWINTA SNOTEL | 9500 | 01/01 | - | 3.9 | 3.8 | 3.8 |
| HICKERSON PARK | 9100 | 12/29 | 20 | 4.2 | 5.0 | 3.8 |
| HICKERSON PARK SNOTE | 9100 | 01/01 | - | 3.8 | 5.2 | 3.8 |
| HIDDEN SPRINGS | 5500 | 01/05 | 24 | 5.4 | - | 4.1 |
| HOLE-IN-THE-ROCK | 9150 | 12/29 | 19 | 3.0 | 3.8 | 2.8 |
| HOLE-IN-THE-ROCK SNOTEL | 9150 | 01/01 | - | 2.9 | 3.4 | 2.8 |
| HOLE-IN-THE-ROCK GS | 8300 | | | | - | 1.0 |
| HOBBLE CREEK SUMMIT | 7420 | 12/30 | 31 | 6.9 | 3.5 | 6.9 |
| HORSE RIDGE | 8260 | 12/27 | 49 | 10.3 | 4.5 | 9.0 |
| HORSE RIDGE SNOTEL | 8260 | 01/01 | - | 11.1 | - | - |
| HUNTINGTON-HORSESHOE | 9800 | 12/30 | 39 | 10.7 | 8.5 | 10.2 |
| INDIAN CANYON | 9100 | 12/30 | 25 | 4.9 | 4.1 | 5.6 |
| INDIAN CANYON SNOTEL | 9100 | 01/01 | - | 4.2 | 3.5 | 5.5 |
| JOHNSON VALLEY | 8850 | 12/29 | 19 | 3.9 | 1.9 | 3.3 |
| KILFOIL CREEK | 7300 | 12/27 | 38 | 7.1 | 2.8 | 6.0 |
| KILLYON CANYON | 6300 | 01/01 | 36 | 8.5 | - | 5.4 |
| KIMBERLY MINE (UPPER) | 9300 | 12/27 | 34 | 6.8 | 7.3 | 6.5 |
| KIMBERLY MINE SNOTEL | 9300 | 01/01 | - | 5.5 | 7.3 | 4.3 |
| KING'S CABIN (UPPER) | 8730 | 12/30 | 27 | 4.9 | 2.0 | 4.5 |
| KING'S CABIN SNOTEL | 8730 | 01/01 | - | 5.0 | 2.6 | 5.8 |
| KLONDIKE NARROWS | 7400 | 12/28 | 34 | 7.5 | 3.7 | 8.2 |
| KOLOB-CRYSTAL | 9250 | 12/29 | 29 | 6.6 | 9.6 | 8.5 |
| KOLOB SNOTEL | 9250 | 01/01 | - | 6.0 | 10.3 | 7.0 |
| LAKEFORK BASIN | 10900 | | | | - | 9.3 |
| LAKEFORK BASIN SNOTE | 10900 | 01/01 | - | 8.0 | 4.6 | 7.4 |
| LAKEFORK MOUNTAIN #1 | 10100 | 12/30 | 27 | 5.1 | 4.8 | 5.2 |
| LAKEFORK #1 SNOTEL | 10100 | 01/01 | - | 5.3 | 4.8 | 6.1 |
| LAKEFORK MOUNTAIN #3 | 8400 | 12/30 | 19 | 2.7 | 1.3 | 3.1 |
| LAMBS CANYON | 7400 | 01/04 | 40 | 10.4 | 4.0 | 7.3 |
| LASAL MOUNTAIN LOWER | 8800 | 01/01 | - | 3.5 ^e | 5.2 | 4.5 |
| LASAL MOUNTAIN (UPP) | 9850 | 01/01 | - | 5.8 ^e | 9.0 | 7.6 |
| LASAL MOUNTAIN SNOTE | 9850 | 01/01 | - | 5.0 | 5.2 | 6.5 |
| LIGHTNING LAKE | 10500 | | | | - | 10.2 |
| LIGHTNING LAKE SNOTE | 10500 | 01/01 | - | 8.2 | 5.8 | 12.2 |
| LILY LAKE | 9050 | 12/30 | 28 | 5.8 | 4.0 | 6.5 |
| LILY LAKE SNOTEL | 9050 | 01/01 | - | 4.6 | - | - |
| LITTLE BEAR (LOWER) | 6000 | 12/27 | 40 | 7.2 | 3.7 | 4.7 |
| LITTLE BEAR (UPPER) | 6550 | 12/27 | 45 | 7.6 | 3.7 | 5.5 |
| LITTLE BEAR SNOTEL | 6550 | 01/01 | - | 9.3 | - | - |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| LITTLE GRASSY CREEK | 6100 | 12/29 | 15 | 2.5 | 2.1 | 1.0 |
| LITTLE GRASSY SNOTEL | 6100 | 01/01 | - | 2.5 | 2.3 | 1.0 |
| LONG FLAT | 8000 | 12/29 | 17 | 2.7 | 5.2 | 2.1 |
| LONG FLAT SNOTEL | 8000 | 01/01 | - | 2.3 | 3.1 | 3.6 |
| LONG VALLEY JCT. | 7500 | 12/27 | 15 | 2.3 | 0.9 | 2.3 |
| LONG VALLEY JCT. SNT | 7500 | 01/01 | - | 3.0 | - | - |
| LOOKOUT PEAK | 8200 | 12/31 | 56 | 14.5 | - | - |
| LOOKOUT PEAK SNOTEL | 8200 | 01/01 | - | 13.6 | - | - |
| LOST CREEK RESERVOIR | 6130 | 12/27 | 20 | 3.0 | 0.8 | 2.3 |
| MAMMOTH-COTTONWOOD | 8800 | 12/30 | 40 | 9.7 | 6.3 | 9.0 |
| MAMMOTH-COTTONWD SNT | 8800 | 01/01 | - | 7.8 | - | - |
| MERCHANT VALLEY (UP) | 8750 | 12/27 | 32 | 5.5 | 4.4 | 5.3 |
| MERCHANT VALLEY SNOT | 8750 | 01/01 | - | 6.6 | - | - |
| MIDDLE BEAVER CREEK | 8650 | | | | - | 1.8 |
| MIDDLE CANYON | 7000 | | | | - | 6.1 |
| MIDWAY VALLEY | 9800 | 12/28 | 30 | 5.8 | 11.2 | 9.0 |
| MIDWAY VALLEY SNOTEL | 9800 | 01/01 | - | 5.8 | - | - |
| MILL CREEK | 6950 | 12/28 | 56 | 11.6 | 4.8 | 9.6 |
| MILL-D SOUTH FORK | 7400 | 12/28 | 48 | 10.2 | 5.4 | 8.6 |
| MILL-D NORTH | 6960 | 12/30 | 55 | 15.0 | - | - |
| MILL-D NORTH SNOTEL | 6960 | 01/01 | - | 13.9 | - | - |
| MINING FORK | 6000 | | | | - | - |
| MINING FORK SNOTEL | 8000 | 01/01 | - | 8.0 | - | - |
| MONTE CRISTO R.S. | 8960 | 12/27 | 52 | 11.2 | 6.0 | 9.6 |
| MONTE CRISTO SNOTEL | 8960 | 01/01 | - | 14.6 | - | - |
| MOSBY MOUNTAIN (LOW) | 9500 | 12/30 | 22 | 4.0 | 2.7 | 4.5 |
| MOSBY MTN. SNOTEL | 9500 | 01/01 | - | 3.8 | 3.8 | 6.2 |
| MT. BALDY R.S. | 9500 | 12/30 | 45 | 10.2 | 9.5 | 10.0 |
| MUD CREEK #2 | 8600 | 12/30 | 28 | 5.7 | 2.8 | 6.0 |
| OAK CREEK | 7760 | 12/27 | 34 | 5.5 | 3.0 | 6.1 |
| ONE MILE SUMMIT | 7330 | | | | - | 1.5 |
| OTTER LAKE | 9600 | 12/27 | 33 | 5.7 | 5.3 | 5.2 |
| PANQUITCH LAKE | 8200 | 12/27 | 11 | 1.8 | 0.6 | 2.4 |
| PARADISE PARK | 10100 | 12/29 | 29 | 5.0 | 3.9 | 6.2 |
| PARLEY'S CANYON SUM. | 7500 | 01/04 | 43 | 11.6 | 4.9 | 8.3 |
| PARLEY'S CANYON SNOT | 7500 | 01/01 | - | 10.6 | - | - |
| PAYSON R.S. | 8050 | 12/27 | 45 | 8.9 | 5.4 | 8.3 |
| PAYSON R.S. SNOTEL | 8050 | 01/01 | - | 7.8 | - | - |
| PICKLE KEG SPRING | 9600 | 12/29 | 35 | 6.9 | 5.4 | 7.0 |
| PICKLE KEG SNOTEL | 9600 | 01/01 | - | 6.7 | - | - |
| PINE CANYON | 8000 | 12/27 | 42 | 8.9 | 4.3 | 8.0 |
| PINE CREEK | 8800 | 12/27 | 42 | 7.9 | 7.9 | 7.7 |
| PINE CREEK SNOTEL | 8800 | 01/01 | - | 9.8 | - | - |
| REDDEN MINE LOWER | 8500 | 12/30 | 33 | 6.5 | 4.9 | 6.6 |
| RED PINE RIDGE | 9200 | 12/30 | 34 | 8.2 | 4.7 | 7.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|-------------------|-----------|-----------------|
| RED PINE RIDGE SNOTE | 9200 | 01/01 | - | 8.0 | 5.4 | 8.2 |
| REES'S FLAT | 7300 | 12/27 | 36 | 6.4 | 3.1 | 6.6 |
| REYNOLDS PARK | 10400 | | | | - | 7.7 |
| ROCK CREEK | 7900 | 12/30 | 20 | 3.9 | 1.6 | 3.6 |
| ROCK CREEK SNOTEL | 7900 | 01/01 | - | 4.3 | 3.1 | 4.4 |
| ROCKY BASIN-SETTLEMT | 8900 | 01/01 | - | 11.3 ^e | - | 13.7 |
| ROCKY BN-SETTLEMT SN | 8900 | 01/01 | - | 9.3 | - | - |
| SEELEY CREEK R.S. | 10000 | 12/30 | 28 | 6.9 | 6.8 | 7.1 |
| SEELEY CREEK SNOTEL | 10000 | 01/01 | - | 5.8 | 6.2 | 6.0 |
| SERGEANT LAKES | 8300 | | | | - | 8.3 |
| SHINGLE MILL | 6200 | 01/03 | 25 | 5.6 | 5.2 | 4.0 |
| SILVER LAKE (BRIGHT.) | 8730 | 12/28 | 43 | 12.0 | 5.6 | 10.9 |
| SMITH & MOREHOUSE | 7600 | 12/28 | 30 | 6.7 | 3.2 | 5.6 |
| SMITH MOREHOUSE SNTL | 7600 | 01/01 | - | 6.9 | - | - |
| SNOWBIRD GAD VALLEY | 9700 | 01/04 | 63 | 18.6 | - | 19.5 |
| SOAPSTONE R.S. | 7800 | 12/30 | - | 4.5 ^E | 3.2 | 5.5 |
| SPIRIT LAKE | 10300 | 12/29 | 30 | 6.9 | 5.5 | 5.6 |
| SQUAW SPRINGS | 9300 | 12/29 | 21 | 4.3 | 2.4 | 3.9 |
| STEEL CREEK PARK | 10100 | 12/29 | 30 | 6.5 | 5.5 | 7.7 |
| STEEL CREEK PARK SNO | 10100 | 01/01 | - | 6.3 | 5.0 | 8.1 |
| STILLWATER CAMP | 8550 | 12/30 | 22 | 4.5 | 2.8 | 4.4 |
| STRAWBERRY DIVIDE | 8400 | 12/30 | 37 | 8.5 | 5.6 | 8.5 |
| STRAWBERRY DIVIDE SN | 8400 | 01/01 | - | 8.0 | 4.3 | 9.0 |
| STUART R.S. | 7950 | 12/30 | 19 | 3.8 | 2.0 | 4.1 |
| SUSC RANCH | 8200 | 12/29 | 17 | 3.3 | 2.3 | 3.6 |
| TALL POLES | 8800 | 12/28 | 26 | 4.0 | 5.6 | 6.2 |
| THAYNES CANYON | 9200 | | | | 4.9 | - |
| THAYNES CANYON SNOTL | 9200 | 01/01 | - | 10.1 | 4.9 | - |
| THISTLE FLAT | 8500 | | | | - | 6.8 |
| TIMPANOGOS DIVIDE | 8140 | 12/30 | 40 | 9.7 | 4.0 | 10.3 |
| TIMPANOGOS DIVIDE SN | 8140 | 01/01 | - | 9.3 | - | - |
| TONY GROVE LAKE | 8400 | 12/28 | 63 | 15.9 | 7.1 | 16.2 |
| TONY GROVE LK SNOTEL | 8400 | 01/01 | - | 15.7 | - | - |
| TONY GROVE R.S. | 6250 | 12/28 | 25 | 5.2 | 2.2 | 5.1 |
| TRIAL LAKE | 9960 | 12/30 | 38 | 8.1 | 6.6 | 11.0 |
| TRIAL LAKE SNOTEL | 9960 | 01/01 | - | 8.9 | 5.5 | 14.0 |
| TROUT CREEK | 9400 | 12/30 | 29 | 5.4 | 3.6 | 5.0 |
| TROUT CREEK SNOTEL | 9400 | 01/01 | - | 5.0 | 3.2 | 4.7 |
| UPPER JOES VALLEY | 8900 | 12/30 | 26 | 4.8 | 2.1 | 4.4 |
| VERNON CREEK | 7500 | 01/01 | - | 3.4 ^e | - | 4.7 |
| VERNON CREEK SNOTEL | 7500 | 01/01 | - | 3.8 | - | - |
| VIPONT | 7670 | | | | - | 6.2 |
| WEBSTER FLAT | 9200 | 12/29 | 26 | 5.3 | 6.6 | 6.9 |
| WEBSTER FLAT SNOTEL | 9200 | 01/01 | - | 5.4 | - | - |
| WHITE RIVER #1 | 8550 | 12/30 | 25 | 5.5 | 3.8 | 6.1 |
| WHITE RIVER #1 SNOTE | 8550 | 01/01 | - | 5.1 | 4.1 | 6.3 |
| WHITE RIVER #3 | 7400 | 12/30 | 20 | 4.7 | 2.7 | 3.9 |
| WIDTSOE-ESCALANTE #3 | 9500 | 12/29 | 20 | 3.5 | 5.8 | 5.2 |
| WIDTSOE #3 SNOTEL | 9500 | 01/01 | - | 3.0 | - | - |
| WRIGLEY CREEK | 9000 | 12/30 | 26 | 5.0 | 2.9 | 4.4 |
| YANKEE RESERVOIR | 8700 | 12/27 | 20 | 3.6 | 4.1 | 4.4 |



United States
Department of
Agriculture

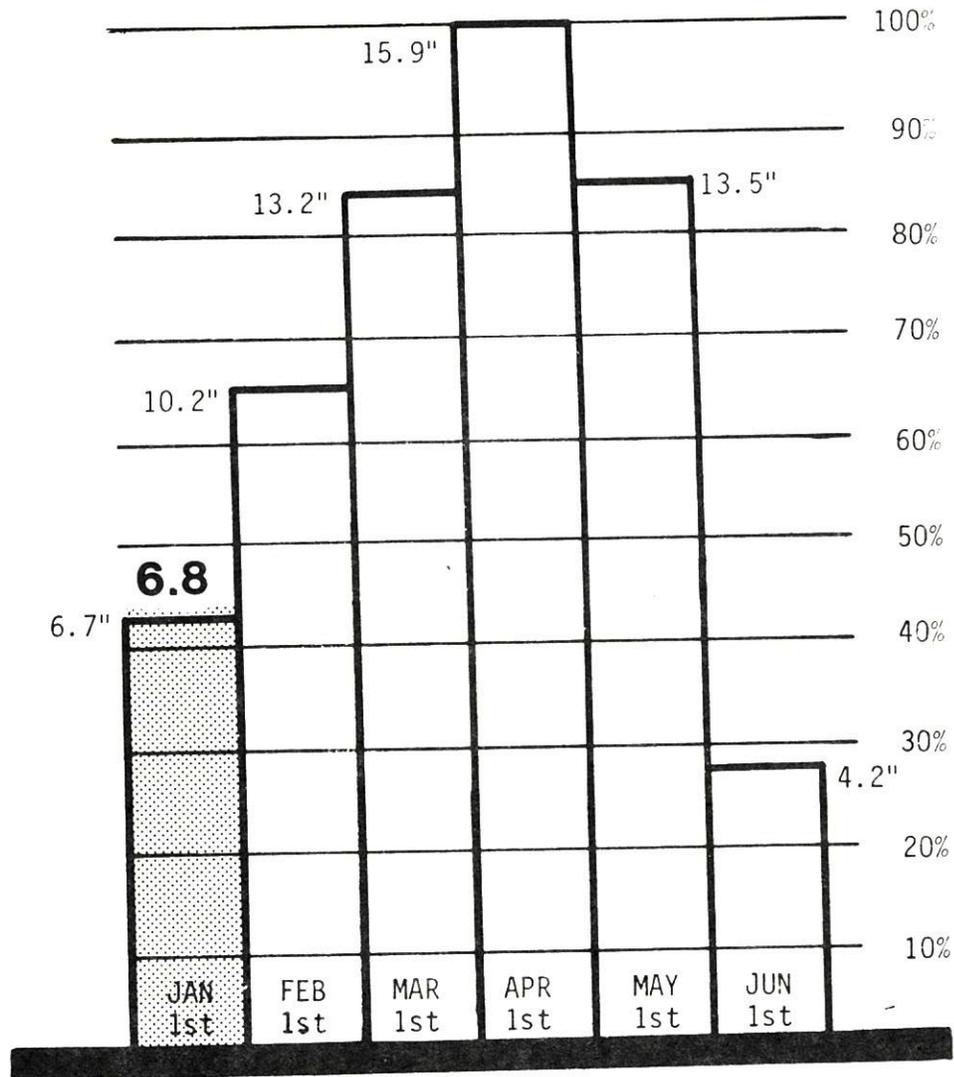
**Soil
Conservation
Service**

Salt Lake City,
Utah



Utah Snowpack Progress

1988



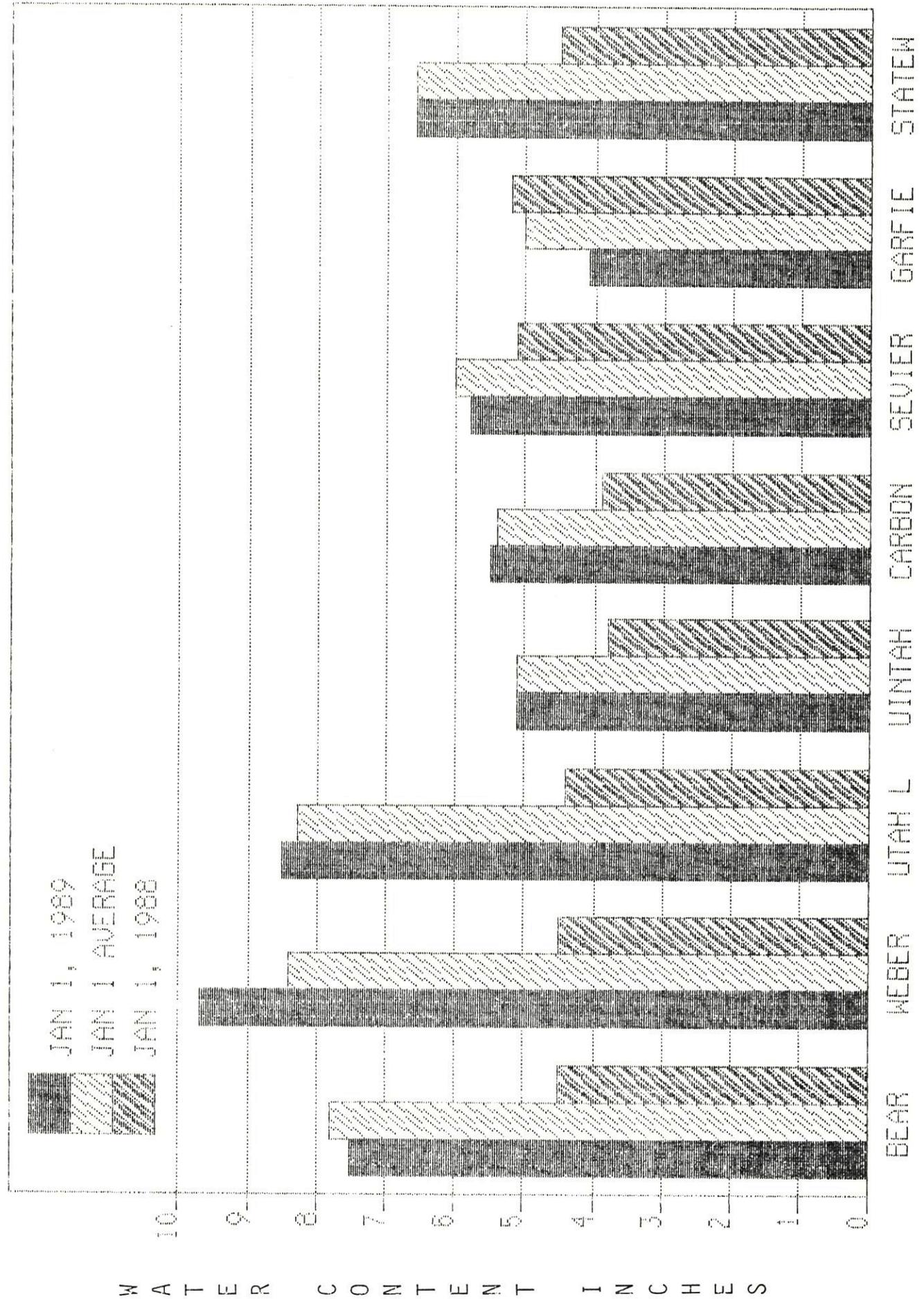
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



JANUARY 1, 1989

Utah - Water Supply Outlook



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah

February 1, 1989



JAMES EDWARD CHURCH

1867-1956

THIS PLAQUE COMMEMORATES THE UNIQUE AND INIMITABLE
UNDEAYONS OF DR. JAMES EDWARD CHURCH IN THE
FIRST CONCEIVED AND MANAGED THE APPLICATIONS
WHEN WATER THROUGH THE SNOW AND THE SUBSEQUENT
STREAMFLOW FROM THE MOUNTAINS
AT THIS SITE THE FIRST TIME WHEN FIRST APPLIED
TO PREDICT THE FUTURE FLOWS OF LIQUID AND
AND FLOWS OF THE SNOW AND THE DEMONSTRATE
SUCCESS OF HIS RESEARCH BECAME THE BASIS FOR
SETTLEMENT OF THE SNOW WATER
TODAY BY UNIVERSAL APPLICATION OF THE SNOW SURVEY
ENGINEERING TOOLS AND ORIGINAL DEVELOPED BY
DR. CHURCH AND PEOPLE THE CITIES THE FIRMS AND
THE ELECTRIC POWER USERS ARE ENABLED TO FORE-
CAST ACCURATELY THEIR SNOW WATER IN SPRING

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D. C.

Released by

Francis T. Holt
State Conservationist
Soil Conservation Service
Salt Lake City, Utah

In cooperation with

Utah State Department of Natural Resources
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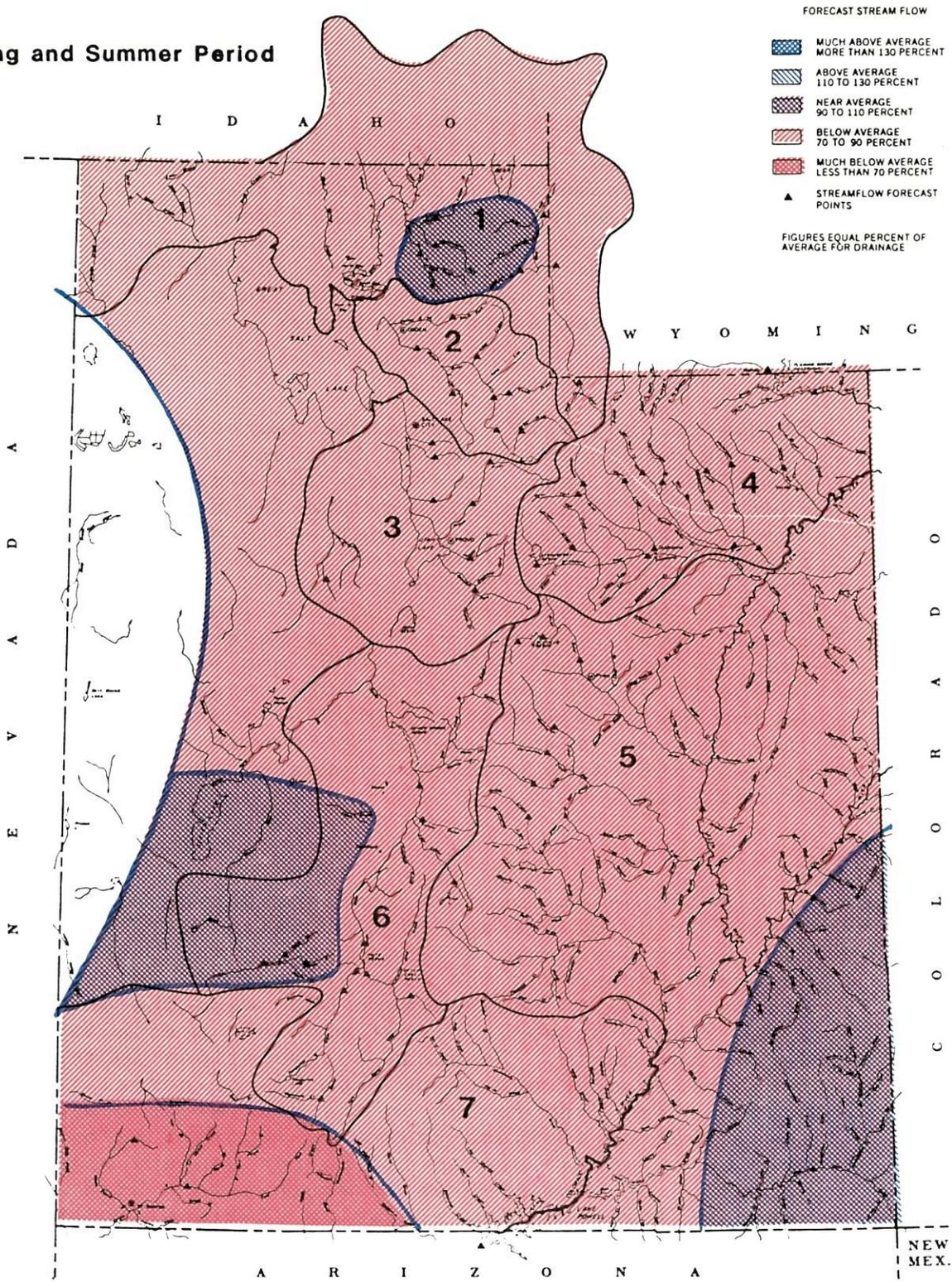
Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, handicap, marital status or national origin.

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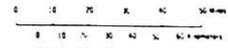
| | |
|--|----|
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UINTAH BASIN & DAGGET SCD'S
- 5 CARBON, EMERY, WAYNE, GRAND & SAN JUAN CO.
- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

The outlook for normal to above normal streamflows have dimmed somewhat from levels forecast last month due to below normal precipitation and, thus, below normal increased accumulations to the snowpack during January. Above normal accumulations during February and March will be needed in order to assure adequate supplies in most areas this summer.

SNOWPACK

Statewide snow water equivalent decreased by about 10% during January compared to average. The only areas showing improvement were the drainages just east of the Salt Lake Valley and the Bookcliff, Lasal and Blue Mountain area of southeastern Utah. Snowpack now ranges from less than 70% of average on the Escalante River drainage to 120% on the Jordan River tributaries north of Utah Valley (the "Six Creeks" area). Northern Utah is generally in the near average range (90% to 100%) and southern Utah is in the below average (70% to 90%) range. Snow water in the north is 10% to 60% greater than at this time last year while the reverse is true in the southern part of the State with the snowpack from 70% to 90% of last year.

PRECIPITATION

Precipitation at mountain stations during January was generally below average to much below average. The Bear River drainage, drainages along the Utah/Colorado border and the Pine Valley/Bull Valley mountain area of southwestern Utah were the only areas reporting above normal mountain precipitation during the month. Seasonal accumulations (October through January) now range from 65% of normal in southwestern Utah to 98% on the Bear River drainages. Low elevation stations generally reported below to well below normal precipitation for January with the exception of a small area in southwestern Utah. Seasonal totals at low elevation stations (October through January) are below normal over most of the state. An area of above normal accumulation, however, exists along the north central Wasatch Front.

RESERVOIRS

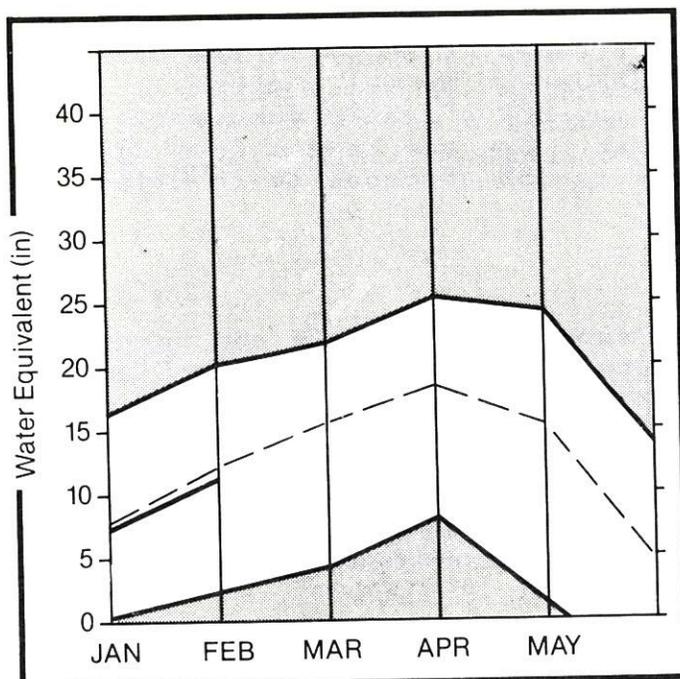
Stored water in 24 key irrigation reservoirs of the State is at 62% of usable capacity which is 94% of average for the end of January. Normally these reservoirs would be holding 66% of their cumulative capacity this time of year. Storage ranges from 22% of capacity in Moon Lake to 93% of capacity in Otter Creek Reservoir.

STREAMFLOW

Forecasts of spring and summer streamflows now range from 54% of the April-June average on the Santa Clara near Pine Valley to 102% of the April-June average on Big Creek near Randolph assuming normal precipitation and temperature conditions from now through the end of the forecast period. Forecasts are reduced 5% to 10% generally from levels of one month ago except for some of the streams in southeastern Utah which improved slightly.

Bear River Basin

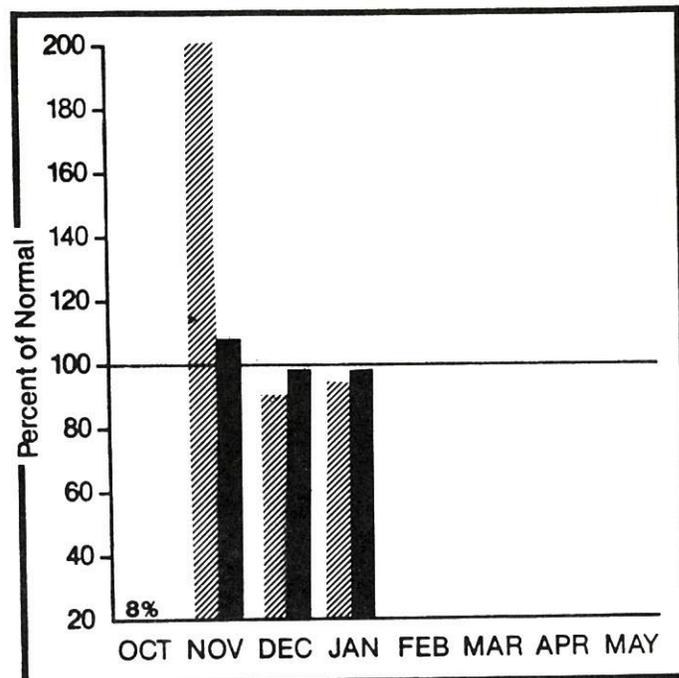
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

The water content in the Bear River watershed snowpack is down slightly, compared to average, from one month ago at 89% but still almost one-third greater than last year. Mountain precipitation during January was 95% of average. Stream-flow forecasts now range from 70% to 102% of average. Bear Lake is 81% of the end of January average.

For more information contact your local
 Soil Conservation Service Office:
 Tremonton Field Office 801-257-5403
 Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

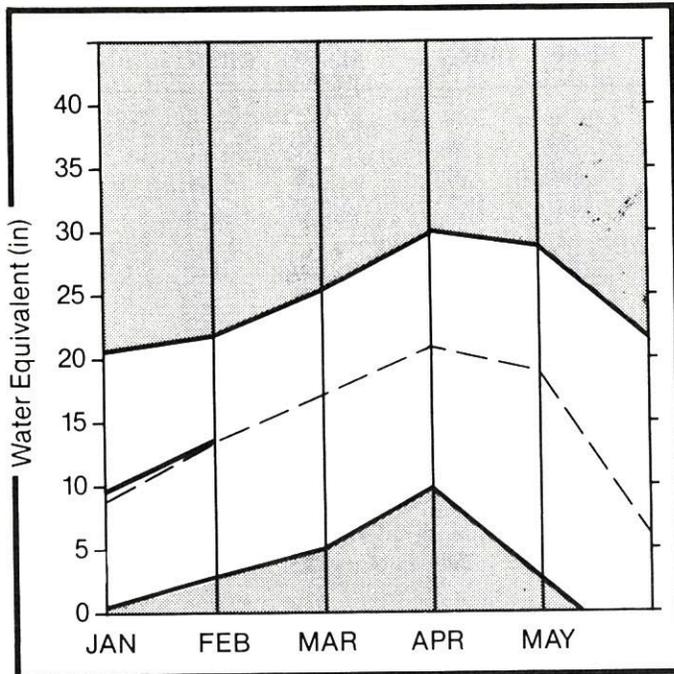
| FORECAST POINT | FORECAST | MOST | MOST | WET | DRY | REAS. | REAS. | 25 YR. AVG. (1000AF) |
|---------------------------------|----------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|----------------------------|
| | PERIOD | PROBABLE (1000AF) | PROBABLE (% AVG.) | SUBS. (1000AF) | SUBS. (1000AF) | MAX. (1000AF) | MIN. (1000AF) | |
| BEAR RIVER near UT-WY Stateline | APR-JUL | 105 | 91 | 125 | 86 | 139 | 71 | 116 |
| BEAR near Woodruff | APR-JUL | 115 | 77 | 160 | 70 | 196 | 34 | 150 |
| WOODRUFF CREEK near Woodruff | APR-JUL | 15.0 | 87 | 18.5 | 11.0 | 19.7 | 10.3 | 17.3 |
| BIG CREEK near Randolph | APR-JUL | 5.4 | 102 | 7.0 | 3.8 | 8.3 | 2.5 | 5.3 |
| BEAR near Randolph | APR-JUL | 88 | 70 | 126 | 50 | 165 | 25 | 126 |
| SMITHS FORK near Border | APR-SEP | 98 | 80 | 113 | 83 | 173 | 57 | 123 |
| THOMAS FORK near Stateline | APR-SEP | 30 | 81 | 35 | 25 | 53 | 10.0 | 37 |
| BEAR RIVER near Harer | APR-SEP | 245 | 79 | 290 | 195 | 390 | 102 | 310 |
| BEAR RIVER blw Stewart Dam | APR-SEP | 205 | 69 | 255 | 157 | 290 | 119 | 298 |
| CUB RIVER near Preston | APR-JUL | 40 | 85 | 49 | 31 | 55 | 25 | 47 |
| LITTLE BEAR RIVER near Paradise | APR-JUL | 46 | 100 | 58 | 34 | 72 | 20 | 46 |
| LOGAN RIVER near Logan | APR-JUL | 105 | 86 | 114 | 96 | 142 | 68 | 122 |
| BLACKSMITH FORK near Hyrum | APR-JUL | 51 | 100 | 61 | 41 | 73 | 29 | 51 |

| RESERVOIR STORAGE | | (1000AF) | | | WATERSHED SNOWPACK ANALYSIS | | | |
|-------------------|------------------------|-----------------------|--------------|-------|-----------------------------|-------------------------|-------------------|---------|
| RESERVOIR | USEABLE : CAPACITY: | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| BEAR LAKE | 1421.0 | 902.8 | 1013.4 | 987.6 | BEAR RIVER, UPPER IN UTAH | 6 | 121 | 89 |
| HYRUM | | NO REPORT | | | BEAR RIVER, LOWER IN UTAH | 10 | 133 | 89 |
| PORCUPINE | | NO REPORT | | | BEAR R. DRAINAGE IN UTAH | 15 | 129 | 90 |
| WOODRUFF NARROWS | | NO REPORT | | | BEAR RIVER, UPPER | 12 | 120 | 85 |
| WOODRUFF CREEK | | NO REPORT | | | BEAR RIVER, LOWER | 16 | 137 | 90 |
| | | | | | BEAR RIVER DRAINAGE | 26 | 131 | 89 |
| | | | | | LOGAN RIVER | 5 | 131 | 84 |
| | | | | | RAFT RIVER | 1 | 178 | 109 |
| | | | | | BEAR RIVER BASIN | 29 | 132 | 89 |

WET SUBS. and DRY SUBS. represent 150 and 50 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Weber & Ogden Watersheds

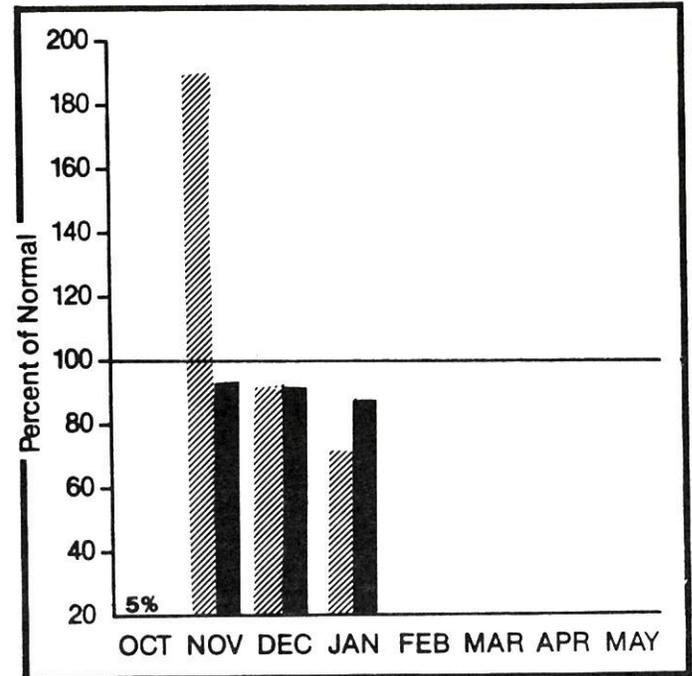
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snow water content on the Weber River watershed is still above average as of the first of February at 106% but down, percentage wise, from levels measured one month ago as a result of below normal mountain precipitation during January. Forecasts of spring and summer streamflow are slightly less than last month ranging from 72% to 99% of average. Basin-wide reservoir storage is 90% of average and 53% of capacity. Pineview, however, is still only 65% of average.

For more information contact your local
 Soil Conservation Service Office:
 Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

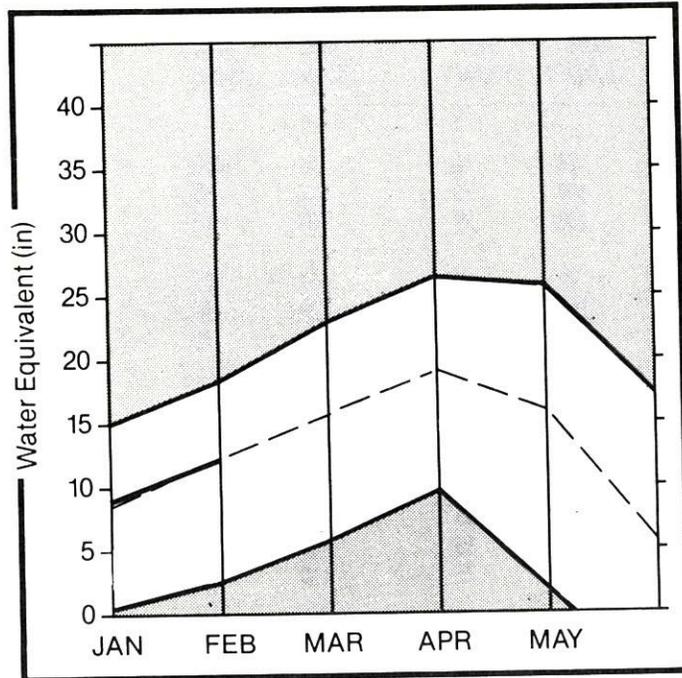
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SMITH AND MOOREHOUSE CREEK near Oakl | APR-JUN | 25 | 83 | 29 | 21 | 34 | 16.6 | 30 |
| WEBER RIVER near Oakley | APR-JUN | 85 | 79 | 100 | 70 | 118 | 55 | 107 |
| ROCKPORT RESERVOIR inflow | APR-JUN | 98 | 72 | 106 | 67 | 139 | 42 | 120 |
| CHALK CREEK near Coalville | APR-JUN | 36 | 88 | 42 | 29 | 52 | 21 | 41 |
| WEBER RIVER near Coalville | APR-JUN | 91 | 72 | 114 | 69 | 138 | 50 | 127 |
| ECHO RESERVOIR inflow | APR-JUN | 128 | 79 | 154 | 104 | 188 | 76 | 163 |
| LOST CREEK near Croyden | APR-JUN | 14.0 | 98 | 16.0 | 12.0 | 22 | 5.6 | 15.6 |
| EAST CANYON CREEK near Morgan | APR-JUN | 25 | 86 | 30 | 19.8 | 38 | 13.4 | 29 |
| HARDSCRABBLE CREEK near Porterville | APR-JUN | 18.0 | 98 | 23 | 13.6 | 30 | 6.4 | 18.4 |
| WEBER RIVER at Gateway | APR-JUN | 245 | 75 | 305 | 189 | 355 | 143 | 328 |
| SOUTH FORK OGDEN RIVER near Huntsvil | APR-JUN | 49 | 84 | 64 | 35 | 68 | 30 | 58 |
| PINEVIEW RESERVOIR inflow | APR-JUN | 98 | 80 | 125 | 71 | 130 | 63 | 122 |
| WHEELER CREEK near Huntsville | APR-JUN | 5.7 | 90 | 7.1 | 4.3 | 7.3 | 3.9 | 6.3 |
| FARMINGTON CREEK near Farmington | APR-JUL | 8.1 | 99 | 9.9 | 6.3 | 13.3 | 2.9 | 8.2 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|--------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY : | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| CAUSEY | 7.1 | 2.5 | 3.8 | 2.2 | OGDEN RIVER | 4 | 174 | 118 |
| EAST CANYON | 48.1 | 30.2 | 32.8 | 34.7 | WEBER RIVER | 15 | 144 | 101 |
| ECHO | 73.9 | 46.4 | 53.7 | 45.8 | WEBER & OGDEN WATERSHEDS | 19 | 152 | 105 |
| LOST CREEK | 20.0 | 14.8 | 17.0 | 13.1 | | | | |
| PINEVIEW | 110.1 | 32.1 | 40.1 | 49.8 | | | | |
| ROCKPORT | 60.9 | 23.9 | 22.2 | 31.9 | | | | |
| WILLARD BAY | 165.5 | 108.5 | 130.8 | 110.8 | | | | |

WET SUBS. and DRY SUBS. represent 150 and 50 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Utah Lake, Jordan River & Tooele Valley

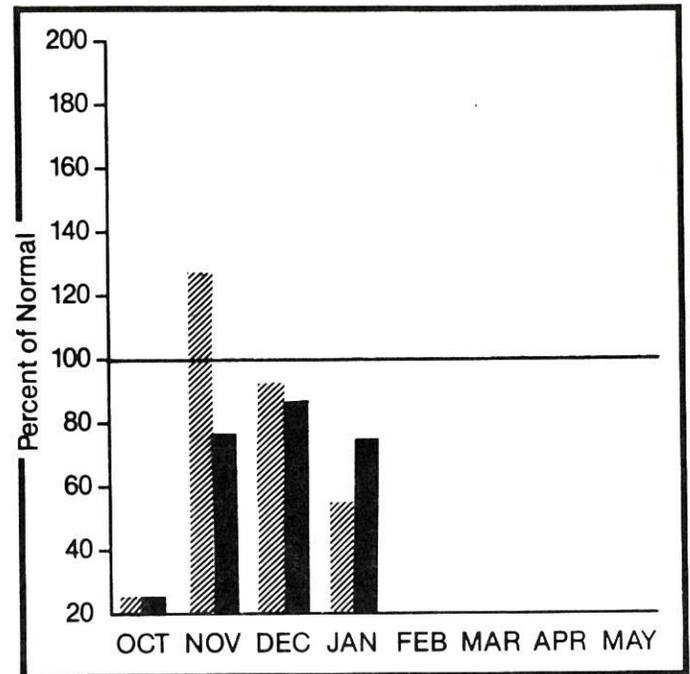
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Water equivalent in the Utah Lake watershed snowpack has suffered a drop of 18% from last month compared to average. The drainages just east of the Salt Lake Valley, on the other hand, increased from 113% of average on January first to 120% of average on the first of February. Forecasts of spring and summer streamflows range from 64% to 85% of the April through July average. Reservoir storage is 91% of average.

For more information contact your local
 Soil Conservation Service Office:
 Midvale Field Office 801-524-4373
 Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

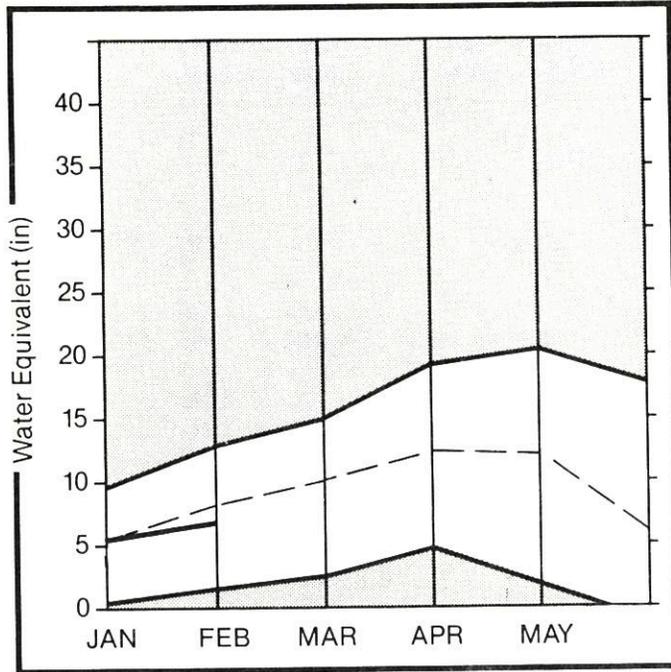
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SALT CREEK near Nephi | APR-JUL | 10.3 | 76 | 13.3 | 7.3 | 22 | 4.1 | 13.5 |
| PAYSON CREEK near Payson | APR-JUL | 5.5 | 75 | | | | | 7.3 |
| SPANISH FORK near Castilla | APR-JUL | 55 | 69 | | | | | 80 |
| HOBBLE CREEK near Springville | APR-JUL | 18.0 | 77 | | | | | 23 |
| PROVO near Hailstone | APR-JUL | 95 | 84 | | | 136 | 60 | 113 |
| PROVO below Deer Creek Dam | APR-JUL | 100 | 75 | | | 144 | 48 | 133 |
| AMERICAN FORK near American Fk. | APR-JUL | 24 | 71 | | | 32 | 17.5 | 34 |
| UTAH LAKE inflow | APR-JUL | 190 | 64 | | | 290 | 84 | 295 |
| LITTLE COTTONWOOD CRK near SLC | APR-JUL | 35 | 85 | | | 42 | 27 | 41 |
| BIG COTTONWOOD CRK near SLC | APR-JUL | 33 | 85 | | | 39 | 26 | 39 |
| PARLEY'S CREEK near SLC | APR-JUL | 13.0 | 76 | | | 18.8 | 8.2 | 17.0 |
| MILL CREEK near SLC | APR-JUL | 5.5 | 80 | | | 8.9 | 3.0 | 6.9 |
| EMIGRATION CREEK near SLC | APR-JUL | 3.2 | 70 | | | | | 4.6 |
| CITY CREEK near SLC | APR-JUL | 6.5 | 72 | | | 8.8 | 4.5 | 9.0 |
| VERNON CREEK near Vernon | APR-JUN | 0.8 | 75 | 1.0 | 0.8 | 1.6 | 0.2 | 1.2 |
| SETTLEMENT CREEK near Tooele | APR-JUL | 1.9 | 83 | 2.3 | 1.5 | 3.3 | 0.5 | 2.3 |
| SOUTH WILLOW CREEK near Grantsville | APR-JUL | 2.1 | 70 | 2.4 | 1.8 | 3.9 | 0.3 | 3.0 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| DEER CREEK | 149.6 | 91.9 | 108.5 | 94.3 | PROVO RIVER & UTAH LAKE | 10 | 100 | 76 |
| GRANTSVILLE | 3.3 | 1.5 | 1.6 | --- | PROVO RIVER | 5 | 103 | 72 |
| SETTLEMENT CREEK | 1.0 | 0.8 | 0.8 | 0.5 | JORDAN RIVER & GREAT SALT | 13 | 193 | 120 |
| STRAWBERRY-ENLARGED | 951.4 | 399.5 | 476.1 | --- | TOOELE & VERNON W.S.'S | 2 | 129 | 71 |
| UTAH LAKE | 855.5 | 581.0 | 776.7 | 648.6 | UTAH L.-JORDAN R.-TOOELE | 25 | 159 | 102 |
| VERNON CREEK | 0.6 | 0.4 | 0.4 | 0.5 | | | | |

WET SUBS. and DRY SUBS. represent 150 and 50 percent subsequent precipitation events respectively.
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 (2) - Corrected for upstream diversions or changes in reservoir storage.

Uintah Basin & Dagget SCD's

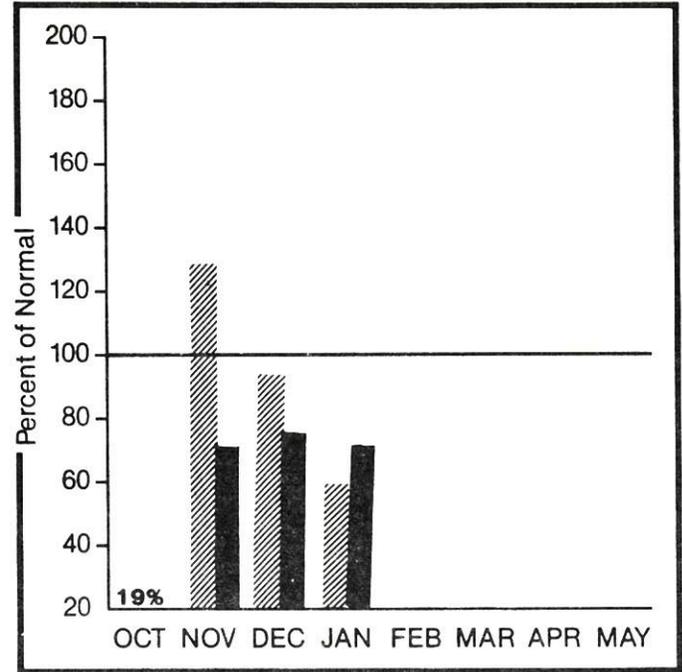
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Precipitation at mountain stations was only 59% of average during January which resulted in a percentage decrease of 16% compared to average. Snowpack now ranges from 70% of average on the Lakefork-Yellowstone River watershed to 99% on Black's Fork. Forecasts range from 76% to 96% of average--a general reduction of less than 10% from levels forecast last month. Reservoir storage is 118% of average, basin-wide, but only 51% of average in Moon Lake.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

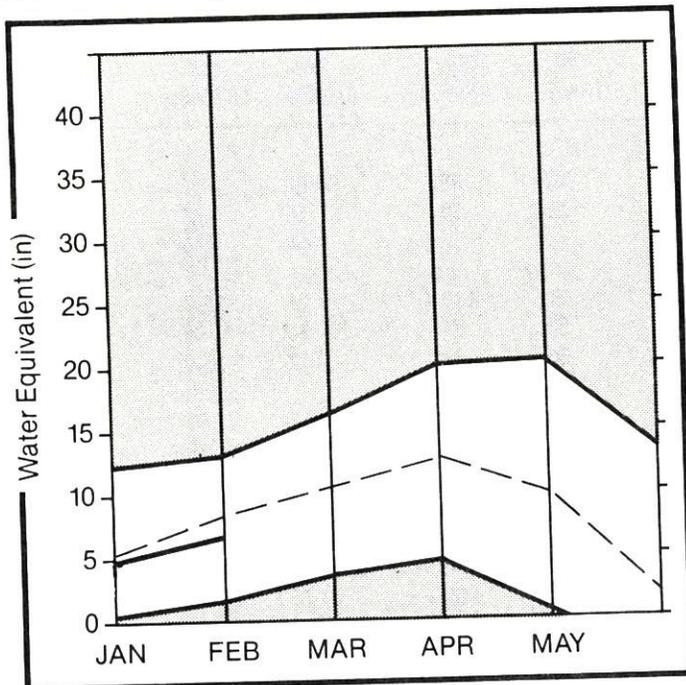
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BLACK'S FORK nr Millburne | APR-JUL | 86 | 90 | 102 | 69 | 122 | 54 | 96 |
| HENRY'S FORK nr Manila 2 | APR-JUL | 38 | 84 | 51 | 30 | 58 | 23 | 45 |
| GREEN RIVER nr Greendale 2 | APR-JUL | 980 | 77 | | | 1360 | 640 | 1267 |
| BIG BRUSH CREEK ab Red Fleet Res | APR-JUL | 18.0 | 91 | 21 | 16.0 | 24 | 13.2 | 19.8 |
| ASHLEY CREEK nr Vernal 2 | APR-JUL | 46 | 88 | 54 | 37 | 61 | 34 | 52 |
| WEST FORK DUCHESNE RIVER nr Hanna | APR-JUL | 25 | 96 | 30 | 21 | 32 | 18.0 | 26 |
| DUCHESNE RIVER nr Tabiona | APR-JUL | 88 | 80 | 102 | 75 | 112 | 61 | 110 |
| ROCK CREEK nr Mountain Home | APR-JUL | 80 | 84 | 88 | 72 | 108 | 59 | 95 |
| DUCHESNE RIVER abv Knight Diversion | APR-JUL | 155 | 80 | 167 | 143 | 205 | 107 | 194 |
| STRAWBERRY RIVER inflow to Strawberr | APR-JUL | 52 | 87 | 65 | 39 | 66 | 35 | 60 |
| CURRENT CREEK nr Fruitland 2 | APR-JUL | 19.5 | 85 | 22 | 16.7 | 25 | 13.5 | 23 |
| STRAWBERRY RIVER inflow to Starvatio | APR-JUL | 55 | 82 | 68 | 42 | 72 | 38 | 67 |
| STRAWBERRY RIVER nr Duchesne (natura | APR-JUL | 100 | 83 | 123 | 76 | 131 | 70 | 121 |
| LAKEFORK RIVER blw Moon Lake 2 | APR-JUL | 59 | 83 | 70 | 48 | 80 | 41 | 71 |
| YELLOWSTONE RIVER nr Altonah | APR-JUL | 52 | 79 | 62 | 43 | 75 | 29 | 66 |
| DUCHESNE RIVER at Myton 2 | APR-JUL | 215 | 78 | 285 | 149 | 315 | 86 | 275 |
| UINTA RIVER nr Neola | APR-JUL | 76 | 86 | 92 | 60 | 113 | 39 | 88 |
| WHITEROCKS RIVER nr Whiterocks | APR-JUL | 54 | 90 | 62 | 44 | 78 | 30 | 60 |
| DUCHESNE RIVER nr Randlett | APR-JUL | 280 | 78 | 360 | 165 | 510 | 107 | 340 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|---------------------|----------------------------|---------------------------|---------------------------|----------------------|-----------------------------|-------------------|----------------------------|--------------|
| | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| FLAMING GORGE | 3749.0 | 2922.4 | 3102.0 | — | UPPER GREEN RIVER in UTAH | 9 | 110 | 92 |
| MOON LAKE | 35.8 | 7.9 | 20.8 | 15.4 | ASHLEY CREEK | 2 | 137 | 82 |
| RED FLEET | 26.0 | 19.5 | 20.3 | — | BLACK'S FORK RIVER | 3 | 119 | 99 |
| STEINAKER | 33.3 | 16.3 | 26.5 | 19.7 | SHEEP CREEK | 2 | 103 | 95 |
| STARVATION | 165.3 | 151.1 | 160.7 | 113.0 | DUCHESNE RIVER | 12 | 108 | 79 |
| STRAWBERRY-ENLARGED | 951.4 | 399.5 | 476.1 | — | LAKE FORK-YELLOWSTONE CK. | 3 | 82 | 70 |
| | | | | | STRAWBERRY RIVER | 4 | 120 | 89 |
| | | | | | UINTAH-WHITEROCKS RIVERS | 3 | 133 | 87 |
| | | | | | UINTAH BASIN & DAGGET SCD | 21 | 109 | 84 |

WET SUBS. and DRY SUBS. represent 150 and 50 percent subsequent precipitation events respectively.
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 (2) - Corrected for upstream diversions or changes in reservoir storage.

Carbon, Emery, Wayne, Grand, and San Juan Co.

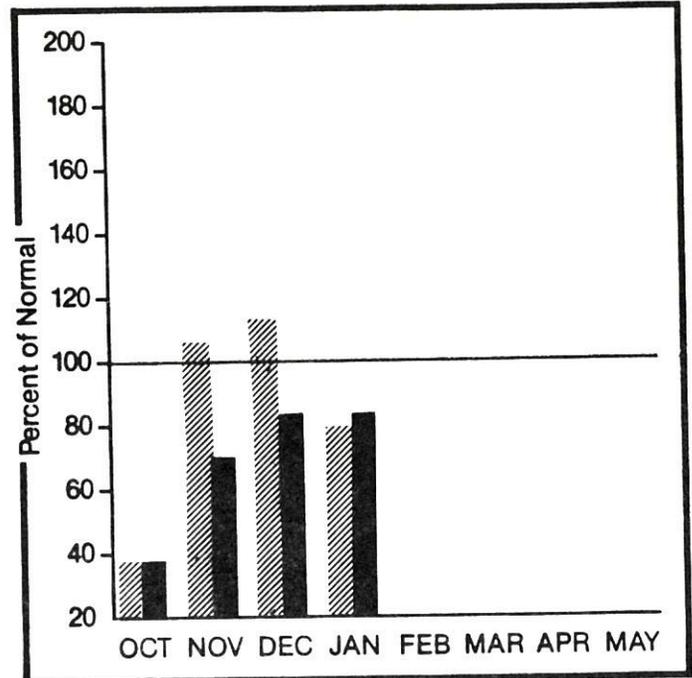
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Southeastern Utah snow water content, compared to average, decreased during January on the Price, San Rafael, Muddy and Fremont River drainages and increased on the Lasal Mountain, Blue Mountain and Bookcliff drainages. Mountain precipitation during January ranged from 40% of average on the Fremont to 103% on the Lasals and Blues. Streamflow forecasts now range from 75% to 100% of average and generally increase the farther south you go. Reservoir storage is 104% of the February first average.

For more information contact your local
 Soil Conservation Service Office:
 Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

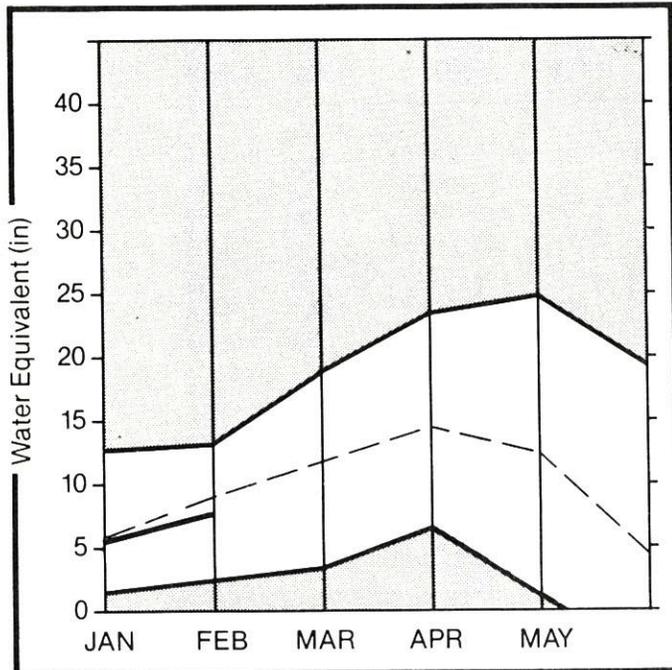
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GOOSEBERRY CREEK nr Scofield | APR-JUL | 9.5 | 79 | | | 14.4 | 4.6 | 12.0 |
| SCOFIELD RESERVOIR inflow | APR-JUL | 36 | 78 | | | 52 | 24 | 46 |
| PRICE RIVER nr Heiner 2 | APR-JUL | 50 | 85 | | | 71 | 35 | 59 |
| GREEN RIVER at Green River, UT 2 | APR-JUL | 2400 | 75 | | | 3450 | 1350 | 3182 |
| HUNTINGTON CREEK inf to Electric Lak | APR-JUL | 12.5 | 83 | 14.5 | 10.5 | 18.1 | 8.6 | 15.1 |
| HUNTINGTON CREEK nr Huntington 2 | APR-JUL | 42 | 76 | | | 62 | 28 | 55 |
| COTTONWOOD CREEK nr Orangeville 2 | APR-JUL | 37 | 79 | 48 | 26 | 55 | 19.1 | 47 |
| FERRON CREEK nr Ferron | APR-JUL | 35 | 85 | 43 | 26 | 52 | 18.2 | 41 |
| COLORADO nr Cisco, UT 2 | APR-JUL | 2900 | 84 | | | 4590 | 1560 | 3443 |
| MILL CREEK nr Moab | APR-JUL | 5.3 | 96 | 5.6 | 5.0 | 7.9 | 2.7 | 5.5 |
| SEVEN MILE CREEK nr Fish Lake | APR-JUL | 5.8 | 89 | 6.4 | 5.2 | 8.9 | 2.7 | 6.5 |
| MUDDY CREEK nr Emery | APR-JUL | 20 | 95 | 25 | 15.6 | 30 | 9.9 | 21 |
| SAN JUAN RIVER nr Archuleta 2 | APR-JUL | 790 | 96 | 775 | 690 | 1100 | 440 | 764 |
| SAN JUAN nr Bluff, UT 2 | APR-JUL | 1090 | 100 | | | 1710 | 590 | 1091 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ++ USEABLE STORAGE ++ | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| HUNTINGTON NORTH | 3.9 | 2.3 | 3.8 | 2.3 | PRICE RIVER | 3 | 90 | 85 |
| JOE'S VALLEY | 61.6 | 38.6 | 43.5 | 43.6 | SAN RAFAEL RIVER | 7 | 92 | 86 |
| KEN'S LAKE | 2.3 | 0.0 | 0.9 | — | MUDDY RIVER | 2 | 138 | 94 |
| MILL SITE | 16.7 | 12.2 | 5.3 | 3.5 | FREMONT RIVER | 4 | 85 | 80 |
| SCOFIELD | 65.8 | 30.0 | 38.5 | 31.3 | LASAL MOUNTAINS | 2 | 88 | 92 |
| | | | | | BLUE MOUNTAINS | 2 | 84 | 88 |
| | | | | | WILLOW CREEK - WHITE RIVE | 3 | 108 | 80 |
| | | | | | SOUTHEASTERN UTAH | 22 | 90 | 85 |

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Sevier & Beaver River Basins

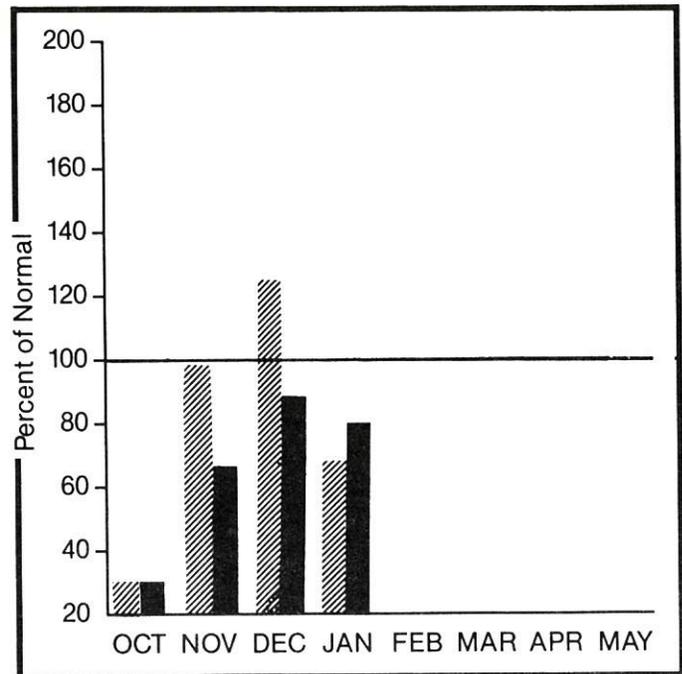
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River watershed is 85% of last year and 87% of average for the first of February. This represents a decrease of 11%, compared to average, from the January first figures. Mountain precipitation during January was 68% of normal. Projections of streamflow for the upcoming irrigation season range from 68% to 97% of average--down slightly from last month. Reservoir storage is 163% of average.

For more information contact your local
 Soil Conservation Service Office:
 Richfield Field Office 801-896-6261
 Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

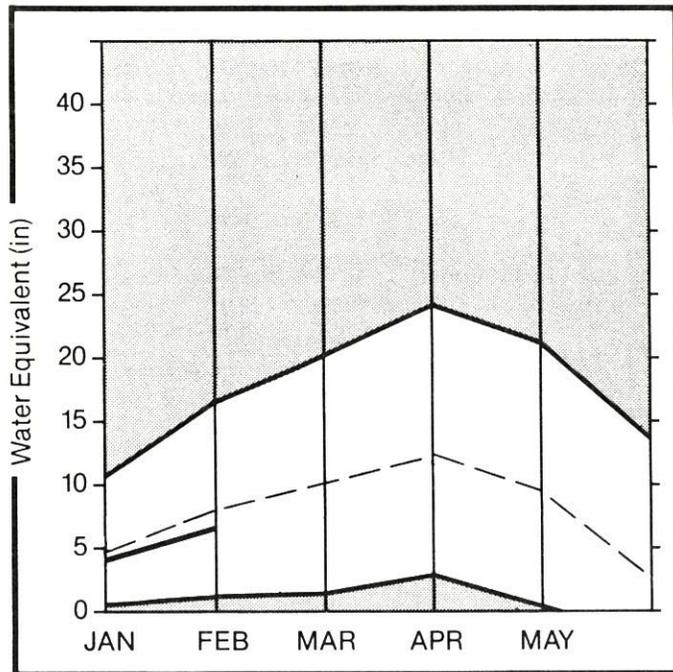
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SEVIER at Hatch | APR-JUL | 40 | 77 | | | 64 | 20 | 52 |
| SEVIER near Circleville | APR-JUL | 35 | 80 | | | | | 44 |
| SEVIER near Kingston | APR-JUL | 25 | 74 | | | 58 | 0.2 | 34 |
| ANTIMONY CREEK near Antimony | APR-JUL | 6.5 | 73 | | | | | 8.9 |
| E F SEVIER near Kingston | APR-JUL | 18.0 | 75 | | | 36 | 9.1 | 24 |
| SEVIER blw Piute Dam | APR-JUL | 45 | 80 | | | 94 | 9.2 | 56 |
| CLEAR CREEK near Sevier | APR-JUL | 17.5 | 80 | | | | | 22 |
| SIGURD to GUNNISON | APR-JUL | 35 | 80 | | | 68 | 11.2 | 44 |
| KINGSTON to VERMILLION DAM | APR-JUN | 32 | 80 | | | | | 40 |
| VERMILLION DAM to GUNNISON | MAR-JUN | 40 | 74 | | | | | 54 |
| SALINA CREEK at Salina | APR-JUN | 14.0 | 77 | | | | | 18.2 |
| PLEASANT CREEK near Pleasant | APR-JUL | 8.5 | 74 | | | | | 11.5 |
| EPHRAIM CREEK near Ephraim | APR-JUL | 17.0 | 68 | | | | | 25 |
| SEVIER nr Gunnison | APR-JUL | 75 | 76 | | | | | 99 |
| CHICKEN CREEK near Levan | APR-JUL | 2.9 | 83 | 3.6 | 2.2 | 4.2 | 1.6 | 3.5 |
| OAK CREEK near Oak City | APR-JUL | 1.3 | 81 | 1.5 | 1.1 | 2.7 | 0.6 | 1.6 |
| CHALK CREEK near Fillmore | APR-JUL | 15.0 | 91 | | | 23 | 7.1 | 16.4 |
| BEAVER RIVER near Beaver | APR-JUL | 25 | 93 | 30 | 19.1 | 43 | 11.0 | 27 |
| NORTH CREEK near Beaver (combined) | APR-JUL | 14.0 | 96 | 18.4 | 9.2 | 27 | 1.3 | 14.6 |
| MINERSVILLE RESERVOIR inflow | APR-JUN | 13.9 | 97 | 17.8 | 9.8 | 23 | 4.9 | 14.3 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | NO. COURSES AVG'D | WATERSHED SNOWPACK ANALYSIS | |
|---------------------|----------------------------|-----------------------|-----------|-------|---------------------------|-------------------|-----------------------------|---------|
| | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | | | THIS YEAR AS % OF LAST YR. | AVERAGE |
| | | THIS YEAR | LAST YEAR | AVG. | | | | |
| GUNNISON | 20.3 | 9.3 | 12.4 | 11.7 | U SEVIER (s of Richfield) | 11 | 88 | 83 |
| MINERSVILLE (RkyFd) | 26.0 | 16.9 | 16.5 | 11.2 | EAST FORK SEVIER RIVER | 4 | 78 | 81 |
| OTTER CREEK | 52.7 | 48.9 | 48.7 | 27.5 | SOUTH FORK SEVIER RIVER | 7 | 85 | 84 |
| PIUTE | 71.8 | 56.8 | 57.4 | 36.9 | LOWER SEVIER RIVER | 12 | 88 | 87 |
| SEVIER BRIDGE | 236.0 | 175.3 | 176.9 | 101.1 | BEAVER RIVER | 3 | 80 | 88 |
| PANQUITCH LAKE | 22.3 | 17.4 | 18.7 | --- | SEVIER & BEAVER R. BASINS | 26 | 85 | 87 |

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E. Garfield, Kane, Washington, & Iron Co.

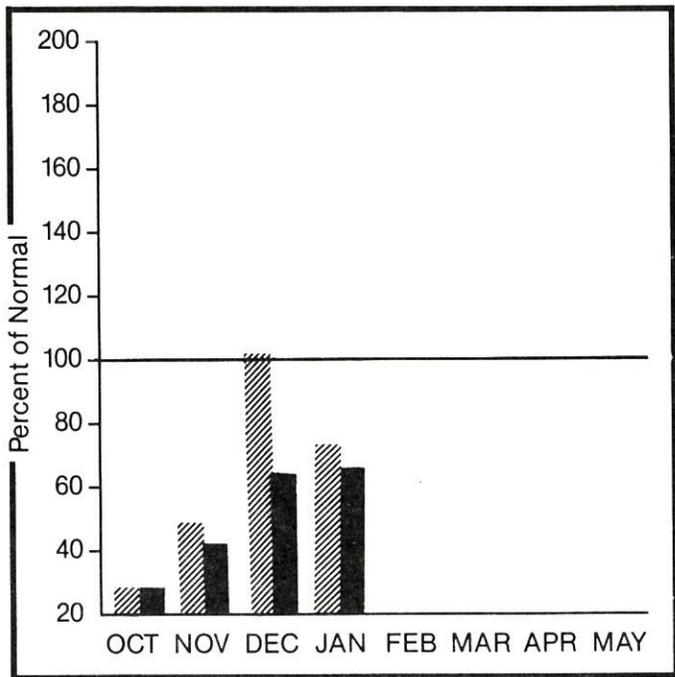
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack in southwestern Utah ranges from 68% of normal February first water equivalent on the Virgin River watershed to 96% on the Enterprise to New Harmony drainages. Precipitation at mountain stations was 74% of normal during January. Stream-flow forecasts are generally down from last month ranging from 54% to 79% of average. Gunlock Reservoir is 83% of capacity but storage in the Enterprise reservoirs remains extremely low.

For more information contact your local
 Soil Conservation Service Office:
 Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST | MOST | MOST | WET | DRY | REAS. | REAS. | 25 YR. |
|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | PERIOD | PROBABLE | PROBABLE | | | | | |
| | | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | (1000AF) | (1000AF) | (1000AF) |
| COAL CREEK near Cedar City | APR-JUL | 15.0 | 75 | | | 24 | 9.2 | 20 |
| COLORADO RIVER inf to Lake Powell 2 | APR-JUL | 6400 | 79 | 8580 | 4220 | 9630 | 3570 | 8086 |
| VIRGIN near Hurricane | APR-JUN | 45 | 66 | | | 77 | 14.4 | 68 |
| SANTA CLARA near Pine Valley | APR-JUN | 2.7 | 54 | | | | | 5.0 |

| RESERVOIR STORAGE | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|-------------------|------------------------|-----------------------|--------------|------|-----------------------------|-------------------------|-------------------|---------|
| RESERVOIR | USEABLE : CAPACITY: | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNLOCK | 10.4 | 8.6 | 7.5 | --- | VIRGIN RIVER | 5 | 72 | 79 |
| LAKE POWELL | 25002.0 | 0.0 | 0.0 | --- | PAROWAN | 4 | 69 | 78 |
| QUAIL CREEK | | NO REPORT | | | ENTERPRISE TO NEW HARMONY | 2 | 85 | 86 |
| UPPER ENTERPRISE | 10.0 | 0.5 | 0.0 | --- | COAL CREEK | 3 | 62 | 77 |
| LOWER ENTERPRISE | 2.6 | 0.1 | 0.0 | --- | ESCALANTE RIVER | 2 | 57 | 68 |
| | | | | | SOUTHWESTERN UTAH | 12 | 72 | 80 |

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 (2) - Corrected for upstream diversions or changes in reservoir storage.

SNOW MEASUREMENT DATA

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|------|------------|---------------|-----------|-----------------|
| ALTA CENTRAL | 8800 | 1/31 | 66 | 26.5 | 16.1 | 26.0 |
| ASHLEY TWIN LAKES | 10500 | | | | - | 10.5 |
| ATWOOD LAKE | 10840 | 1/30 | - | 4.2E | 5.2 | 7.5 |
| ATWOOD LAKE SNOTEL | 10840 | 1/30 | - | 4.2 | 4.4 | 6.4 |
| BEAVER CREEK DIVIDE | 8280 | 1/30 | - | 4.9E | 6.5 | 8.9 |
| BEAVER DIVIDE SNOTL | 8280 | 1/30 | - | 4.9 | 6.1 | 9.9 |
| BEAVER DAMS | 8000 | 1/30 | - | 6.5E | 6.5 | 7.7 |
| BEAVER DAMS SNOTEL | 8000 | 1/30 | - | 6.2 | 8.2 | 7.7 |
| BEN LOMOND PEAK | 8000 | 1/30 | - | 27.5E | 14.3 | 23.7 |
| BEN LOMOND PK SNOTL | 8000 | 1/30 | - | 28.3 | 15.7 | 25.5 |
| BEN LOMOND TRAIL | 6000 | 1/30 | - | 14.2E | 8.4 | 12.5 |
| BEN LOMOND TR SNOTL | 6000 | 1/30 | - | 20.2 | 9.4 | 14.6 |
| BEVAN'S CABIN | 6450 | | | | - | 5.5 |
| BIG FLAT | 10290 | 1/30 | - | 10.7E | 14.2 | 11.2 |
| BIG FLAT SNOTEL | 10290 | 1/30 | - | 11.4 | 14.2 | 9.5 |
| BIRCH CROSSING | 8100 | 1/26 | 21 | 5.0 | 6.2 | 4.9 |
| BLACK'S FLAT-U.M. CK | 9400 | 1/30 | - | 5.3E | 5.5 | 7.3 |
| BLACK FLAT-U.M. CK S | 9400 | 1/30 | - | 5.1 | 5.4 | 7.3 |
| BLACK'S FORK | 9200 | 1/30 | - | 8.0E | 6.0 | 8.4 |
| BLACK'S FORK GS-EF | 9340 | 1/30 | - | 6.5E | 4.6 | 6.0 |
| BLACK'S FORK JUNCTN | 8930 | 1/30 | - | 7.0E | 5.9 | 6.4 |
| BOX CREEK | 9300 | 1/30 | - | 7.8E | 8.9 | 8.3 |
| BOX CREEK SNOTEL | 9300 | 1/30 | - | 7.5 | 8.7 | 8.2 |
| BRIAN HEAD | 10000 | 1/30 | - | 9.1E | 14.2 | 13.0 |
| BRIGHTON | 8750 | 1/30 | - | 20.8E | 10.5 | 22.9 |
| BRIGHTON SNOTEL | 8750 | 1/30 | - | 18.2 | 11.2 | 22.9 |
| BRIGHTON CABIN | 8700 | 1/31 | 52 | 18.3 | 11.1 | 17.6 |
| BROWN DUCK RIDGE | 10600 | 1/30 | - | 8.4E | 10.3 | 13.2 |
| BROWN DUCK SNOTEL | 10600 | 1/30 | - | 8.2 | 9.5 | 12.4 |
| BRYCE CANYON | 8000 | 1/26 | 13 | 2.0 | 3.6 | 3.4 |
| BUCK FLAT | 9800 | 1/30 | - | 10.2E | 8.5 | 11.0 |
| BUCK FLAT SNOTEL | 9800 | 1/30 | - | 10.2 | 9.4 | 11.4 |
| BUCK PASTURE | 9700 | | | | - | 11.8 |
| BUCKBOARD FLAT | 9000 | 1/24 | 33 | 7.4 | 9.0 | 8.6 |
| BUG LAKE | 7950 | 1/30 | - | 9.4E | 9.4 | 12.8 |
| BUG LAKE SNOTEL | 7950 | 1/30 | - | 9.7 | 11.3 | 13.4 |
| BURT'S-MILLER RANCH | 7900 | 1/30 | - | 4.0E | 3.1 | 3.7 |
| CAMP JACKSON | 8600 | 1/24 | 33 | 8.3 | 9.8 | 9.3 |
| CAMP JACKSON SNOTEL | 8600 | 1/30 | - | 8.3 | 9.0 | 9.3 |
| CASTLE VALLEY | 9580 | 1/30 | - | 6.3E | 9.5 | 8.1 |
| CASTLE VALLEY SNOTL | 9580 | 1/30 | - | 6.4 | 10.2 | 8.4 |
| CHALK CREEK #1 | 9100 | 1/30 | - | 14.4E | 12.4 | 14.8 |
| CHALK CK #1 SNOTEL | 9100 | 1/30 | - | 14.0 | 12.3 | 14.8 |
| CHALK CREEK #2 | 8200 | 1/30 | - | 9.9E | 7.7 | 9.6 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|------|------------|---------------|-----------|-----------------|
| CHALK CK #2 SNOTEL | 8200 | 1/30 | - | 9.6 | 8.6 | 9.6 |
| CHALK CREEK #3 | 7500 | 1/30 | - | 5.8E | 5.2 | 5.5 |
| CHEPETA | 10300 | 1/30 | - | 9.5E | 5.8 | 9.1 |
| CHEPETA SNOTEL | 10300 | 1/30 | - | 7.7 | 5.9 | 7.6 |
| CHEPETA-WHITERKS. LK | 10350 | | | | - | 9.6 |
| CITY CREEK | 7500 | 2/01 | 56 | 19.9 | 11.3 | 19.2 |
| CLEAR CREEK MEADOWS | 9420 | 1/30 | - | 16.6E | 9.3 | 15.2 |
| CLEAR CREEK RIDGE #1 | 9200 | 1/30 | - | 10.6E | 8.2 | 12.5 |
| CLEAR CK RIDG #1 SNT | 9200 | 1/30 | - | 11.2 | 9.6 | 13.6 |
| CLEAR CREEK RIDGE #2 | 8000 | 1/30 | - | 8.0E | 6.2 | 9.8 |
| CLEAR CK RIDG #2 SNT | 8000 | 1/30 | - | 7.9 | 6.2 | 9.8 |
| CLEAR CREEK RIDGE #3 | 6600 | 1/30 | - | 4.6E | 4.0 | 5.7 |
| CURRANT CREEK | 8000 | 1/30 | - | 5.8E | 3.7 | 7.4 |
| CURRANT CREEK SNOTEL | 8000 | 1/30 | - | 6.1 | 4.6 | 8.1 |
| DANIELS-STRAWBERRY | 8000 | 1/30 | - | 8.8E | 6.2 | 10.2 |
| DANIELS-STRAWBERRY S | 8000 | 1/30 | - | 9.5 | 10.4 | 11.4 |
| DESERET PEAK | 9250 | 1/30 | - | 9.4E | - | 17.5 |
| DESERET PEAK AM | 9250 | | | | - | 17.5 |
| DESERET PEAK SNOTEL | 9250 | 1/30 | - | 9.4 | - | 17.5 |
| DILL'S CAMP | 9200 | 1/30 | - | 7.4E | 5.3 | 7.9 |
| DILL'S CAMP SNOTEL | 9200 | 1/30 | - | 7.9 | 6.7 | 8.7 |
| DONKEY RESERVOIR | 9800 | 1/30 | - | 3.4E | 5.0 | 4.8 |
| DONKEY RESERVOIR SNO | 9800 | 1/30 | - | 3.3 | 4.8 | 4.8 |
| DRY BREAD POND | 8350 | 1/30 | - | 16.5E | 8.7 | 12.2 |
| DRY BREAD POND SNOTL | 8350 | 1/30 | - | 19.8 | 12.5 | 15.0 |
| DUCK CREEK R.S. | 8700 | 1/30 | - | 6.9E | 6.7 | 8.8 |
| EAST SHINGLE LAKE | 9800 | | | | - | 18.4 |
| EAST WILLOW CREEK | 8250 | 1/30 | - | 4.8E | 5.9 | 7.9 |
| EAST WILLOW CREEK SN | 8250 | 1/30 | - | 4.8 | 6.5 | 7.9 |
| FARMINGTON CANYON | 8000 | 1/26 | 69 | 23.8 | 12.6 | 19.7 |
| FARMINGTON CN SNOTEL | 8000 | 1/30 | - | 24.8 | 10.3 | 19.1 |
| FARMINGTON CANYON L. | 6950 | 1/26 | - | 18.6E | 10.1 | 14.9 |
| FARNSWORTH LAKE | 9600 | 1/30 | - | 11.1E | 10.7 | 11.9 |
| FARNSWORTH LK SNOTEL | 9600 | 1/30 | - | 10.6 | 10.3 | 11.7 |
| FISH LAKE | 8700 | 1/30 | - | 4.3E | 5.7 | 5.6 |
| FIVE POINT LAKE | 10920 | | | | 8.7 | 10.1 |
| FIVE POINTS LAKE SNO | 10920 | 1/30 | - | 7.6 | 6.5 | 7.9 |
| FRANCES FLATS | 6700 | 2/01 | 46 | 15.0 | 9.1 | 15.9 |
| G.B.R.C. HEADQUARTER | 8700 | 1/30 | - | 7.1E | 11.3 | 10.4 |
| G.B.R.C. MEADOWS | 10000 | 1/30 | - | 10.8E | 15.9 | 14.4 |
| GARDEN CITY SUMMIT | 7600 | 1/30 | - | 7.1E | 7.7 | 11.8 |
| GEORGE CREEK | 8840 | | | | - | 14.2 |
| GOOSEBERRY R.S. | 8000 | 1/30 | - | 7.4E | 10.3 | 7.4 |
| GOOSEBERRY R.S. SNOT | 8000 | 1/30 | - | 6.3 | 8.3 | 7.6 |
| HARDSCRABBLE | 6700 | 1/30 | - | 16.9E | 9.4 | 13.5 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|------|------------|---------------|-----------|-----------------|
| HARRIS FLAT | 7700 | 1/30 | - | 4.1E | 4.0 | 5.9 |
| HARRIS FLAT SNOTEL | 7700 | 1/30 | - | 3.5 | 2.9 | 5.3 |
| HAYDEN FORK | 9400 | 1/30 | - | 8.1E | 7.5 | 9.8 |
| HAYDEN FORK SNOTEL | 9100 | 1/30 | - | 8.8 | 9.1 | 10.9 |
| HENRY'S FORK | 10000 | | | | - | 9.5 |
| HEWINTA G.S. | 9500 | 1/30 | - | 5.4E | 5.9 | 6.1 |
| HEWINTA SNOTEL | 9500 | 1/30 | - | 5.2 | 7.6 | 6.1 |
| HICKERSON PARK | 9100 | 1/30 | - | 4.2E | 6.0 | 5.0 |
| HICKERSON PARK SNOTE | 9100 | 1/30 | - | 4.1 | 6.7 | 5.0 |
| HIDDEN SPRINGS | 5500 | 2/01 | 24 | 7.9 | 4.1 | 6.3 |
| HOLE-IN-THE-ROCK | 9150 | 1/30 | - | 3.4E | 4.8 | 4.0 |
| HOLE-IN-ROCK SNOTEL | 9150 | 1/30 | - | 3.3 | 5.0 | 4.0 |
| HOLE-IN-THE-ROCK GS | 8300 | | | | 2.0 | 1.7 |
| HOBBLE CREEK SUMMIT | 7420 | 1/30 | - | 8.9E | 7.7 | 10.2 |
| HORSE RIDGE | 8260 | 1/30 | - | 13.4E | 9.9 | 14.3 |
| HORSE RIDGE SNOTEL | 8260 | 1/30 | - | 15.1 | 10.8 | 16.6 |
| HUNTINGTON-HORSESHOE | 9800 | 1/30 | - | 13.7E | 15.3 | 16.1 |
| INDIAN CANYON | 9100 | 1/30 | - | 5.9E | 6.9 | 8.4 |
| INDIAN CANYON SNOTEL | 9100 | 1/30 | - | 5.3 | 5.9 | 7.8 |
| JOHNSON VALLEY | 8850 | 1/30 | - | 5.2E | 5.1 | 5.0 |
| KILFOIL CREEK | 7300 | 1/30 | - | 9.6E | 6.8 | 9.8 |
| KILLYON CANYON | 6300 | 2/02 | 10 | 40.0 | 7.5 | 8.7 |
| KIMBERLY MINE (UPPER) | 9300 | 1/30 | - | 9.9E | 10.6 | 9.8 |
| KIMBERLY MINE SNOTEL | 9300 | 1/30 | - | 8.6 | 10.6 | 8.8 |
| KING'S CABIN (UPPER) | 8730 | 1/30 | - | 5.5E | 2.9 | 6.9 |
| KING'S CABIN SNOTEL | 8730 | 1/30 | - | 5.9 | 4.0 | 7.6 |
| KLONDIKE NARROWS | 7400 | 1/30 | - | 11.5E | 8.8 | 13.4 |
| KOLOB-CRYSTAL | 9250 | 1/30 | - | 9.6E | 16.4 | 13.9 |
| KOLOB SNOTEL | 9250 | 1/30 | - | 8.8 | 16.1 | 13.4 |
| LAKEFORK BASIN | 10900 | | | | 7.4 | 13.2 |
| LAKEFORK BASIN SNOTE | 10900 | 1/30 | - | 9.6 | 9.0 | 10.2 |
| LAKEFORK MOUNTAIN #1 | 10100 | 1/30 | - | 6.0E | 7.0 | 7.2 |
| LAKEFORK #1 SNOTEL | 10100 | 1/30 | - | 6.5 | 6.3 | 8.0 |
| LAKEFORK MOUNTAIN #3 | 8400 | 1/30 | - | 3.2E | 4.1 | 4.6 |
| LAMBS CANYON | 7400 | 1/31 | 42 | 13.4 | 8.8 | 11.3 |
| LASAL MOUNTAIN LOWER | 8800 | 1/25 | 30 | 6.3 | 7.2 | 6.5 |
| LASAL MOUNTAIN (UPP) | 9850 | 1/25 | 43 | 9.9 | 11.2 | 11.1 |
| LASAL MOUNTAIN SNOTE | 9850 | 1/30 | - | 7.2 | 9.0 | 8.5 |
| LIGHTNING LAKE | 10500 | | | | 13.1 | 15.2 |
| LIGHTNING LAKE SNOTE | 10500 | 1/30 | - | 10.0 | 10.5 | 16.6 |
| LILY LAKE | 9050 | 1/30 | - | 7.1E | 6.1 | 9.6 |
| LILY LAKE SNOTEL | 9050 | 1/30 | - | 5.6 | 6.0 | 10.3 |
| LITTLE BEAR (LOWER) | 6000 | 1/30 | - | 10.0E | 5.0 | 7.7 |
| LITTLE BEAR (UPPER) | 6550 | 1/30 | - | 10.5E | 5.6 | 8.7 |
| LITTLE BEAR SNOTEL | 6550 | 1/30 | - | 11.5 | 7.1 | 10.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|------|------------|---------------|-----------|-----------------|
| LITTLE GRASSY CREEK | 6100 | 1/30 | - | 4.9E | 4.6 | 3.6 |
| LITTLE GRASSY SNOTEL | 6100 | 1/30 | - | 4.7 | 5.1 | 3.6 |
| LONG FLAT | 8000 | 1/30 | - | 3.3E | 5.1 | 4.9 |
| LONG FLAT SNOTEL | 8000 | 1/30 | - | 4.3 | 6.6 | 6.5 |
| LONG VALLEY JCT. | 7500 | 1/30 | - | 5.9E | 1.4 | 4.3 |
| LONG VALLEY JCT. SNT | 7500 | 1/30 | - | 5.7 | 3.4 | 4.7 |
| LOOKOUT PEAK | 8200 | | | | - | 11.4 |
| LOOKOUT PEAK SNOTEL | 8200 | 1/30 | - | 17.4 | - | 11.4 |
| LOST CREEK RESERVOIR | 6130 | 1/30 | - | 4.5E | 2.6 | 4.1 |
| MAMMOTH-COTTONWOOD | 8800 | 1/30 | - | 11.3E | 13.3 | 14.0 |
| MAMMOTH-COTTONWD SNT | 8800 | 1/30 | - | 10.6 | 11.3 | 13.7 |
| MERCHANT VALLEY (UP) | 8750 | 1/30 | - | 7.5E | 8.9 | 7.7 |
| MERCHANT VALLEY SNOT | 8750 | 1/30 | - | 8.3 | 8.0 | 7.1 |
| MIDDLE BEAVER CREEK | 8650 | | | | - | 3.0 |
| MIDDLE CANYON | 7000 | | | | - | 8.7 |
| MIDWAY VALLEY | 9800 | 1/30 | - | 9.6E | 17.4 | 13.4 |
| MIDWAY VALLEY SNOTEL | 9800 | 1/30 | - | 9.5 | 18.1 | 13.6 |
| MILL CREEK | 6950 | 1/30 | 47 | 15.4 | 9.1 | 12.3 |
| MILL-D SOUTH FORK | 7400 | 1/30 | 42 | 13.5 | 9.0 | 13.0 |
| MILL-D NORTH | 8960 | | | | - | 18.6 |
| MILL-D NORTH SNOTEL | 8960 | 1/30 | - | 18.2 | - | 18.6 |
| MINING FORK | 8000 | | | | - | 19.3 |
| MINING FORK SNOTEL | 8000 | 1/30 | - | 9.1 | - | 19.3 |
| MONTE CRISTO R.S. | 8960 | 1/30 | - | 18.0E | 12.3 | 16.1 |
| MONTE CRISTO SNOTEL | 8960 | 1/30 | - | 19.8E | 14.9 | 18.3 |
| MOSBY MOUNTAIN (LOW) | 9500 | 1/30 | - | 4.7E | 5.0 | 6.5 |
| MOSBY MTN. SNOTEL | 9500 | 1/30 | - | 5.2 | 4.8 | 7.2 |
| MT. BALDY R.S. | 9500 | 1/30 | - | 13.3E | 12.4 | 15.3 |
| MUD CREEK #2 | 8600 | 1/30 | - | 6.9E | 8.4 | 9.2 |
| OAK CREEK | 7760 | 1/30 | - | 5.9E | 6.1 | 7.9 |
| ONE MILE SUMMIT | 7330 | | | | - | 3.8 |
| OTTER LAKE | 9600 | 1/30 | - | 8.8E | 10.7 | 8.4 |
| PANQUITCH LAKE | 8200 | 1/30 | - | 2.9E | 4.1 | 4.1 |
| PARADISE PARK | 10100 | 1/30 | - | 7.5E | 5.5 | 9.2 |
| PARLEY'S CANYON SUM. | 7500 | 1/31 | 46 | 14.4 | 9.1 | 12.4 |
| PARLEY'S CANYON SNOT | 7500 | 1/30 | - | 14.4 | 9.1 | 13.4 |
| PAYSON R.S. | 8050 | 1/30 | - | 9.3E | 10.4 | 12.2 |
| PAYSON R.S. SNOTEL | 8050 | 1/30 | - | 10.6 | 10.8 | 14.4 |
| PICKLE KEG SPRING | 9600 | 1/30 | - | 9.2E | 8.2 | 10.2 |
| PICKLE KEG SNOTEL | 9600 | 1/30 | - | 9.6 | 9.9 | 11.0 |
| PINE CANYON | 8000 | 1/30 | - | 12.0E | 8.0 | 13.2 |
| PINE CREEK | 8800 | 1/30 | - | 11.2E | 12.5 | 11.5 |
| PINE CREEK SNOTEL | 8800 | 1/30 | - | 12.4E | 12.0 | 13.1 |
| REDDEN MINE LOWER | 8500 | 1/30 | - | 7.1E | 7.5 | 11.5 |
| RED PINE RIDGE | 9200 | 1/30 | - | 8.9E | 10.1 | 11.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|------|------------|---------------|-----------|-----------------|
| RED PINE RIDGE SNOTE | 9200 | 1/30 | - | 10.4 | 10.7 | 13.3 |
| REES'S FLAT | 7300 | 1/30 | - | 7.3E | 8.4 | 8.8 |
| REYNOLDS PARK | 10400 | | | | - | 10.7 |
| ROCK CREEK | 7900 | 1/30 | - | 4.9E | 4.7 | 5.7 |
| ROCK CREEK SNOTEL | 7900 | 1/30 | - | 5.0 | 5.4 | 5.9 |
| ROCKY BASIN-SETTLEMT | 8900 | 1/30 | - | 14.7E | 9.5 | 18.9 |
| ROCKY BN-SETTLEMT SN | 8900 | 1/30 | - | 11.9 | 9.2 | 15.7 |
| SEELEY CREEK R.S. | 10000 | 1/30 | - | 7.6E | 11.4 | 10.3 |
| SEELEY CREEK SNOTEL | 10000 | 1/30 | - | 7.3 | 7.4 | 10.2 |
| SERGEANT LAKES | 8300 | | | | - | 11.2 |
| SHINGLE MILL | 6200 | 1/30 | 30 | 8.2 | 7.1 | 6.4 |
| SILVER LAKE (BRIGHT.) | 8730 | 1/30 | 47 | 15.8 | 9.6 | 16.1 |
| SMITH & MOREHOUSE | 7600 | 1/30 | - | 8.5E | 5.8 | 8.9 |
| SMITH MOREHOUSE SNTL | 7600 | 1/30 | - | 8.6 | 7.0 | 9.3 |
| SNOWBIRD GAD VALLEY | 9700 | 1/28 | 79 | 27.0 | 13.0 | 24.6 |
| SOAPSTONE R.S. | 7800 | 1/30 | - | 5.1E | 6.5 | 8.5 |
| SPIRIT LAKE | 10300 | 1/30 | - | 8.0E | 5.9 | 7.8 |
| SQUAW SPRINGS | 9300 | 1/30 | - | 4.5E | 5.2 | 4.7 |
| STEEL CREEK PARK | 10100 | 1/30 | - | 9.1E | 8.5 | 10.5 |
| STEEL CREEK PARK SNO | 10100 | 1/30 | - | 8.6 | 8.2 | 10.0 |
| STILLWATER CAMP | 8550 | 1/30 | - | 7.4E | 5.3 | 7.0 |
| STRAWBERRY DIVIDE | 8400 | 1/31 | 36 | 11.6 | 9.9 | 12.8 |
| STRAWBERRY DIVIDE SN | 8400 | 1/30 | - | 9.6 | 9.7 | 13.0 |
| STUART R.S. | 7950 | 1/30 | - | 5.1E | 5.7 | 6.2 |
| SUSC RANCH | 8200 | 1/26 | 20 | 4.8 | 6.3 | 5.8 |
| TALL POLES | 8800 | 1/26 | 29 | 6.4 | 9.7 | 9.1 |
| THAYNES CANYON | 9200 | 2/03 | 64 | 15.0 | 9.5 | 14.0 |
| THAYNES CANYON SNOTL | 9200 | 1/30 | - | 12.5 | - | 14.0 |
| THISTLE FLAT | 8500 | | | | - | 9.9 |
| TIMPANOGOS DIVIDE | 8140 | 1/30 | - | 13.8E | 11.5 | 16.9 |
| TIMPANOGOS DIVIDE SN | 8140 | 1/30 | - | 12.8 | 7.0 | 16.2 |
| TONY GROVE LAKE | 8400 | 1/30 | - | 22.7E | 15.5 | 24.2 |
| TONY GROVE LK SNOTEL | 8400 | 1/30 | - | 23.2 | 16.0 | 25.4 |
| TONY GROVE R.S. | 6250 | 1/30 | - | 8.5E | 5.9 | 8.9 |
| TRIAL LAKE | 9960 | 1/30 | - | 10.8E | 11.3 | 16.1 |
| TRIAL LAKE SNOTEL | 9960 | 1/30 | - | 11.1 | 12.0 | 16.8 |
| TROUT CREEK | 9400 | 1/30 | - | 5.9E | 5.4 | 7.0 |
| TROUT CREEK SNOTEL | 9400 | 1/30 | - | 5.6 | 4.7 | 6.9 |
| UPPER JOES VALLEY | 8900 | 1/30 | - | 6.6E | 7.7 | 7.0 |
| VERNON CREEK | 7500 | 1/30 | - | 4.3E | 5.2 | 7.7 |
| VERNON CREEK SNOTEL | 7500 | 1/30 | - | 4.5 | 6.0 | 8.2 |
| VIPONT | 7670 | | | | - | 10.1 |
| WEBSTER FLAT | 9200 | 1/30 | - | 8.9E | 13.8 | 10.9 |
| WEBSTER FLAT SNOTEL | 9200 | 1/30 | - | 8.0 | 11.9 | 10.1 |
| WHITE RIVER #1 | 8550 | 1/30 | - | 7.4E | 7.6 | 9.4 |
| WHITE RIVER #1 SNOTE | 8550 | 1/30 | - | 6.9 | 8.0 | 9.0 |
| WHITE RIVER #3 | 7400 | 1/30 | - | 6.9E | 7.6 | 6.3 |
| WIDTSOE-ESCALANTE #3 | 9500 | 1/30 | - | 4.7E | 9.3 | 7.1 |
| WIDTSOE #3 SNOTEL | 9500 | 1/30 | - | 4.9E | 8.9 | 7.6 |
| WRIGLEY CREEK | 9000 | 1/30 | - | 6.9E | 5.5 | 7.1 |
| YANKEE RESERVOIR | 8700 | 1/30 | - | 5.2E | 7.1 | 6.1 |



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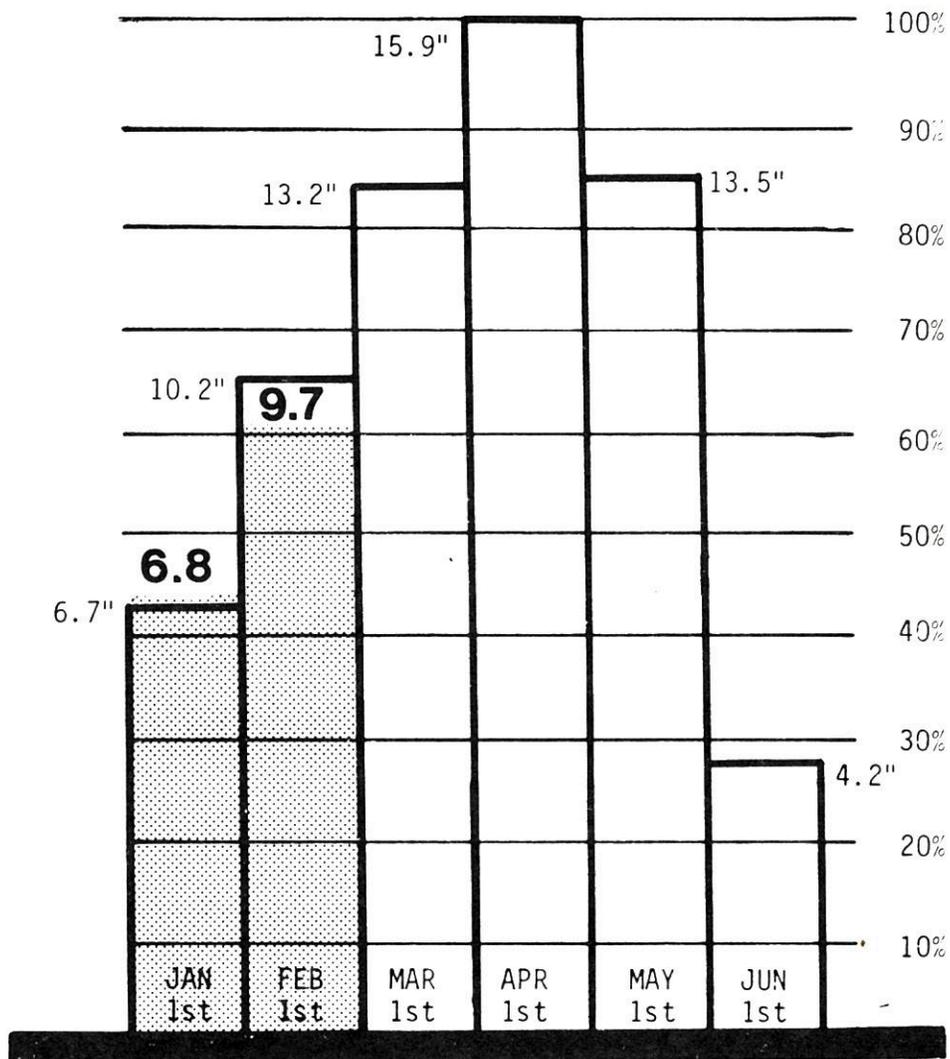
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Salt Lake City,
Utah



Utah Snowpack Progress

1988



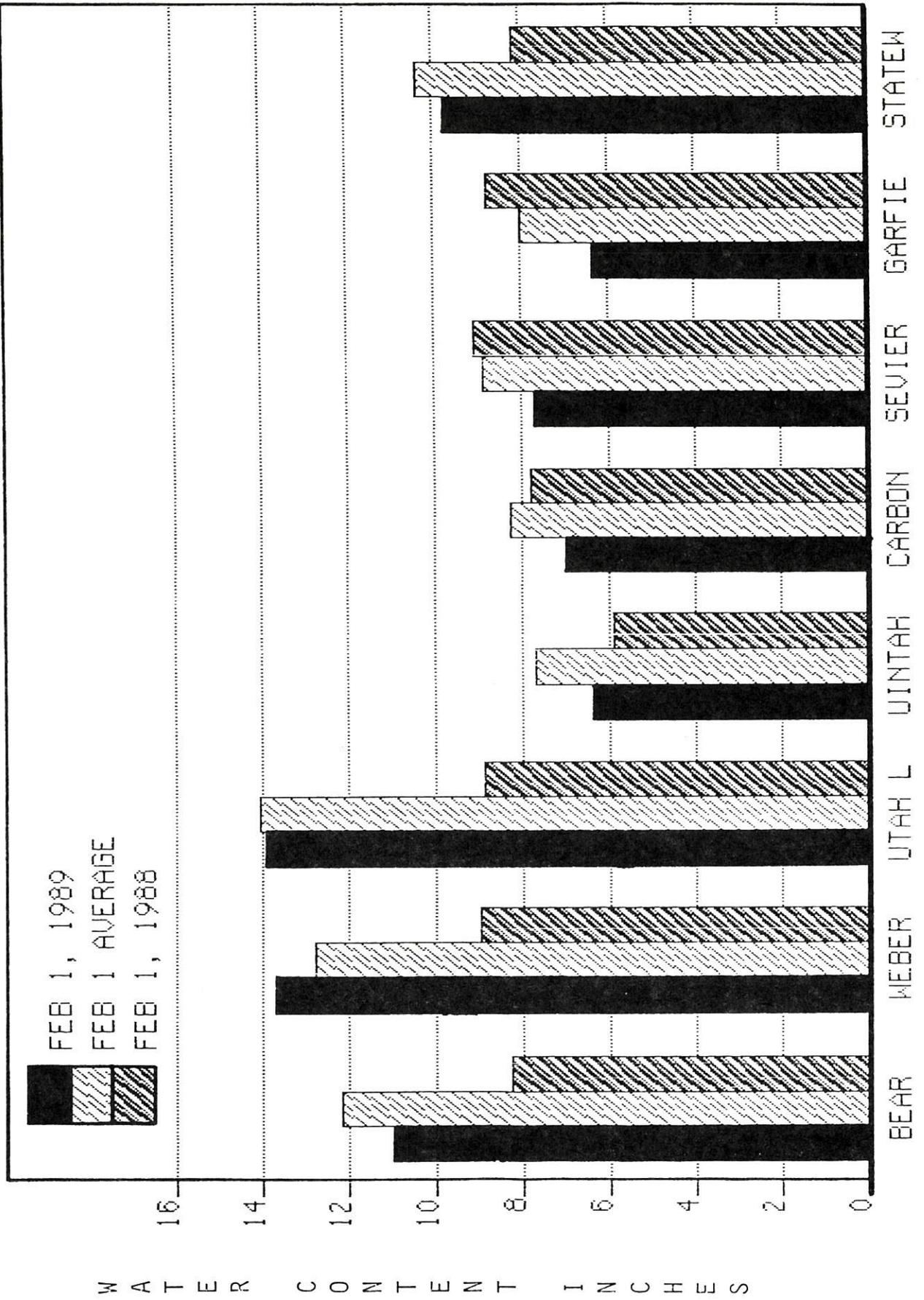
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



FEBRUARY 1, 1989

Utah - Water Supply Outlook



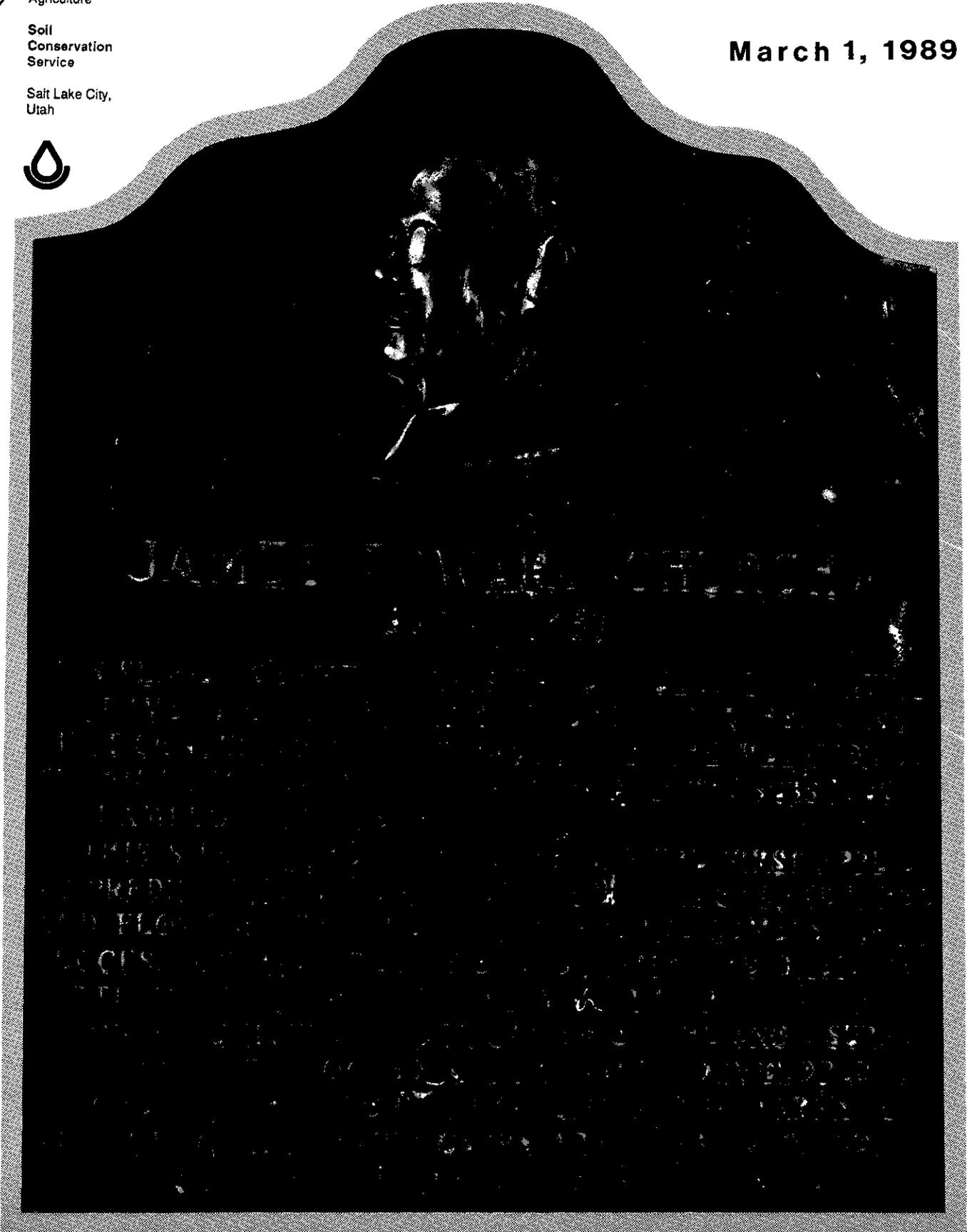
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



March 1, 1989



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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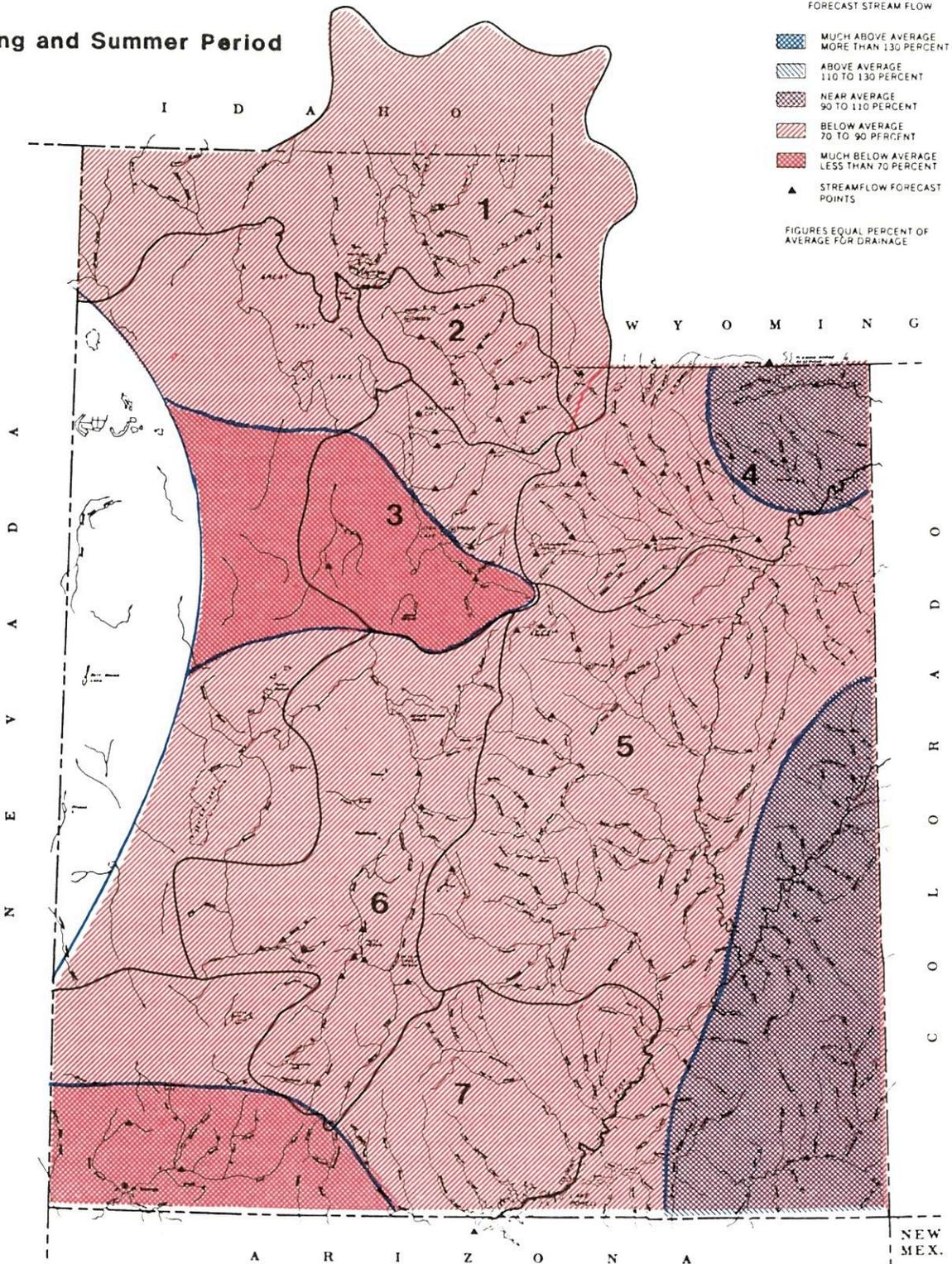
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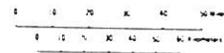
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UINTAH BASIN & DAGGET SCD'S
- 5 CARBON, EMERY, WAYNE, GRAND & SAN JUAN CO.
- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

Prospects for normal streamflows from melting snowpacks this spring and summer in Utah are 66% to 89% of average. The barely normal snow accumulation during February will have to be increased dramatically during March to provide average forecasted values by April first.

SNOWPACK

A one percent rise in the Statewide snowpack was noted. This 91% figure covers a range of snowpacks that begins in southwestern Utah on the Parowan drainage (67% of average). Snowpack improves as you move northward across the state with 85% reports in the Sevier system and normal snows in the LaSal Mountains. Uinta Basin rose slightly to 86% of average. The Weber-Ogden drainages remain highest at 97% of average. Only 15% of the snowpack building season remains. Extraordinary snowfalls will be needed during March to overcome the current snowpack doldrums.

PRECIPITATION

February precipitation in Utah mountains was near one and one-half times usual for the Uintah's and above normal for the Bear, and the Weber-Ogden watersheds. The Sevier River Basin received 80% of average for the month which was the lowest for the State. Totals since October first are highest in the Bear River at 101% of average and lowest in southwestern Utah at 71% of average. February precipitation for low elevations was above normal from the Tooele Valley into Utah County, eastward into the Central Wasatch Mountains, and into the Uinta Basin. The east central portion of Utah received above normal amounts of moisture. Elsewhere, low elevation precipitation was near to below normal. Seasonal precipitation at low elevations for the water year is below normal for the majority of Utah (75%-85%). An area of above normal accumulation exists along a small portion of the Wasatch Front and Wasatch Mountain.

RESERVOIRS

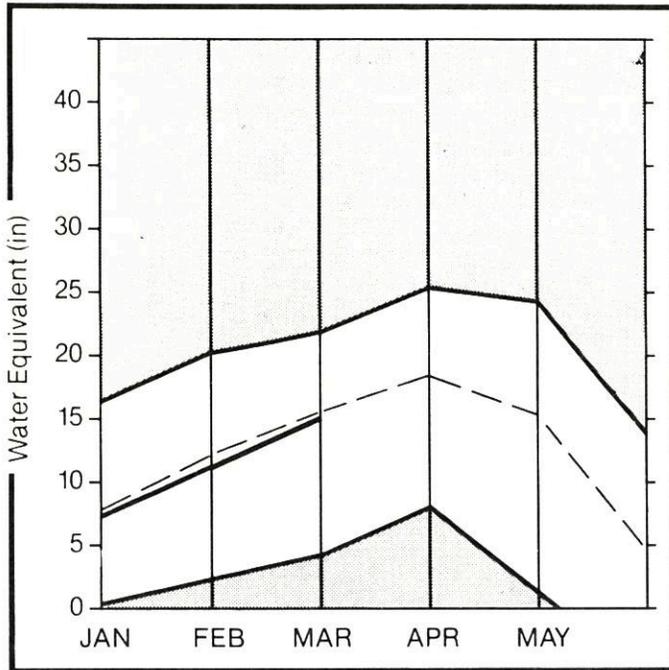
Statewide, 24 of the major Utah reservoirs reported levels at 106% of the March first average storage, however, 29% of available storage space in the reservoirs is still vacant. This is encouraging, but with just one month left to build potential runoff into the mountain snowpacks, there is concern that several major reservoirs such as Pineview and Dear Creek may not fill. Moon Lake Reservoir is currently the lowest at only 53% of usable storage. Mill Site Reservoir is the highest, storing 322% of average.

STREAMFLOW

Northern Utah streamflow prospects have been hampered by two preceding dry winters with a very dry fall this year. Streamflows of 40% to 70% of usual for October through January bespeak the dry soil profiles. In this situation, above normal snowfalls are required to produce near normal flows. Specific forecasts range from lowest in the Santa Clara of 50% of average to 70% to 80% of average in the Sevier. The Grantsville and Vernon runoffs are forecasted at two-thirds of usual, while the rest of northern Utah range from 78% in the Weber to near 90% in the Duchesne drainages.

Bear River Basin

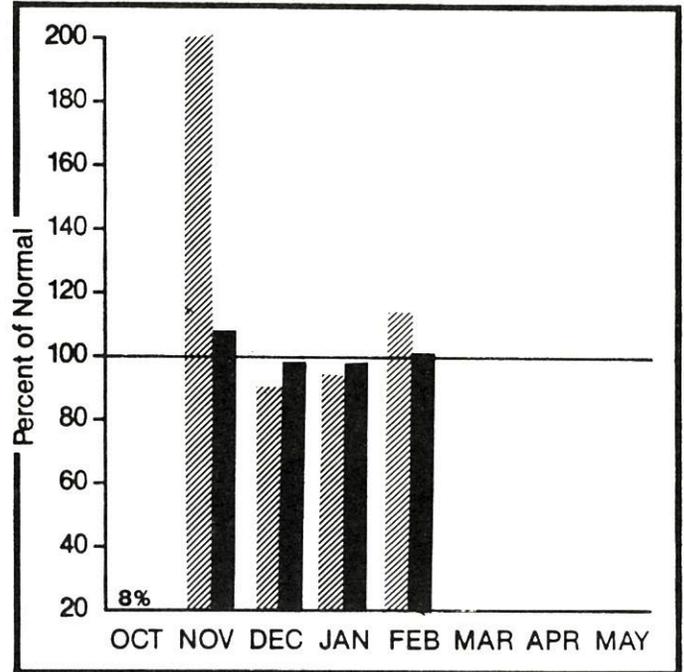
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

The snow water content in the Bear River watershed increased more in the lower drainages than in the upper during February. Overall, the water content increased from 89% to 95% of average during the previous month. Precipitation was 115% of normal for February and is 101% of average for year to date. Streamflow forecasts are down from last month's, ranging from 61% to 87% of average. Bear Lake is 84% of average for the end of February.

For more information contact your local
 Soil Conservation Service Office:
 Tremonton Field Office 801-257-5403
 Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

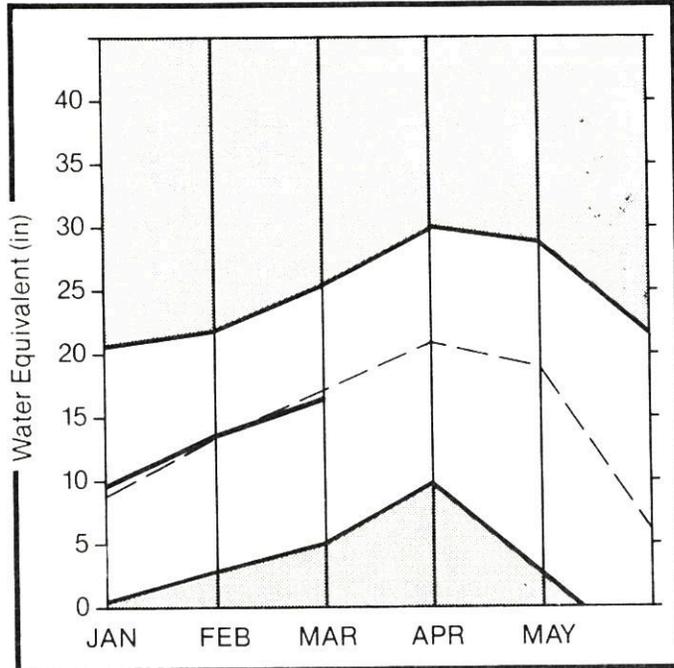
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|---------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BEAR RIVER near UT-WY Stateline | APR-JUL | 100 | 86 | 114 | 86 | 131 | 69 | 116 |
| BEAR near Woodruff | APR-JUL | 110 | 73 | 142 | 77 | 188 | 32 | 150 |
| WOODRUFF CREEK near Woodruff | APR-JUL | 15.0 | 87 | 17.1 | 12.8 | 19.5 | 10.5 | 17.3 |
| BIG CREEK near Randolph | APR-JUL | 4.7 | 89 | 5.7 | 3.7 | 7.5 | 1.9 | 5.3 |
| BEAR near Randolph | APR-JUL | 77 | 61 | 105 | 48 | 148 | 6.4 | 126 |
| SMITHS FORK near Border | APR-SEP | 93 | 76 | 102 | 88 | 162 | 24 | 123 |
| THOMAS FORK near Stateline | APR-SEP | 28 | 76 | 31 | 27 | 49 | 7.3 | 37 |
| BEAR RIVER near Harer | APR-SEP | 225 | 73 | 255 | 215 | 365 | 86 | 310 |
| BEAR RIVER blw Stewart Dam | APR-SEP | 187 | 63 | 215 | 175 | 265 | 107 | 298 |
| CUB RIVER near Preston | APR-JUL | 42 | 90 | 49 | 36 | 56 | 28 | 47 |
| LITTLE BEAR RIVER near Paradise | APR-JUL | 37 | 81 | 45 | 28 | 54 | 19.6 | 46 |
| LOGAN RIVER near Logan | APR-JUL | 100 | 82 | 116 | 84 | 134 | 66 | 122 |
| BLACKSMITH FORK near Hyrum | APR-JUL | 43 | 84 | 48 | 37 | 62 | 24 | 51 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | WATERSHED SNOWPACK ANALYSIS | | |
|------------------|----------------------------|---------------------------|---------------------------|----------------------|---------------------------|-----------------------------|----------------------------|--------------|
| | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVG. | | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| BEAR LAKE | 1421.0 | 826.4 | 1036.2 | 992.5 | BEAR RIVER, UPPER IN UTAH | 6 | 124 | 87 |
| HYRUM | 15.3 | 12.5 | 12.0 | 10.8 | BEAR RIVER, LOWER IN UTAH | 10 | 138 | 98 |
| PORCUPINE | 11.3 | 4.5 | 5.5 | 3.7 | BEAR R. DRAINAGE IN UTAH | 15 | 135 | 95 |
| WOODRUFF NARROWS | 55.8 | 7.5 | 30.9 | --- | BEAR RIVER, UPPER | 12 | 125 | 87 |
| WOODRUFF CREEK | | NO REPORT | | | BEAR RIVER, LOWER | 19 | 142 | 99 |
| | | | | | BEAR RIVER DRAINAGE | 29 | 137 | 95 |
| | | | | | LOGAN RIVER | 5 | 130 | 91 |
| | | | | | RAFT RIVER | 4 | 152 | 99 |
| | | | | | BEAR RIVER BASIN | 35 | 137 | 95 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Weber & Ogden Watersheds

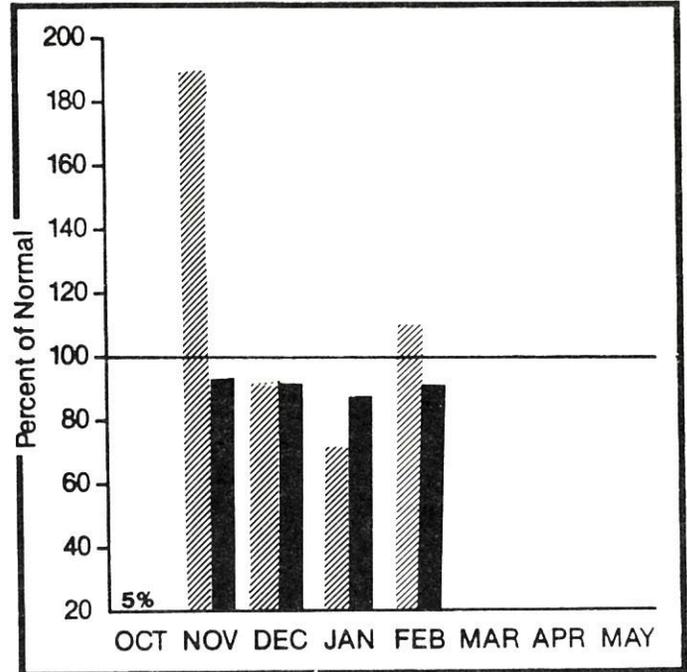
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack in the Weber-Ogden watersheds have dropped from above normal to 96% of average. The precipitation at mountain sites since October first is 90% of normal. Also considering the generally poor streamflows (40%-70% of normal) since October, below normal streamflows are forecasted for this spring and summer. Eighty-nine percent expected flows on Farmington Creek is highest while the rest of the basin is represented by forecasts of 78% inflow to Echo Reservoir, 72% for the East Canyon drainage, and the lowest expected for Pineview inflow at 71% of normal. Reservoir storage ranged from a low 69% of average at Pineview to a high of 113% of average at Causey and Lost Creek.

For more information contact your local
 Soil Conservation Service Office:
 Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SMITH AND MOOREHOUSE CREEK near Oakl | APR-JUN | 25 | 83 | 27 | 22 | 33 | 18.4 | 30 |
| WEBER RIVER near Oakley | APR-JUN | 85 | 79 | 96 | 75 | 112 | 61 | 107 |
| ROCKPORT RESERVOIR inflow | APR-JUN | 86 | 72 | 100 | 74 | 128 | 50 | 120 |
| CHALK CREEK near Coalville | APR-JUN | 30 | 73 | 34 | 27 | 43 | 17.7 | 41 |
| WEBER RIVER near Coalville | APR-JUN | 91 | 72 | 108 | 77 | 128 | 58 | 127 |
| ECHO RESERVOIR inflow | APR-JUN | 123 | 75 | 141 | 108 | 170 | 81 | 163 |
| LOST CREEK near Croyden | APR-JUN | 13.0 | 83 | 13.5 | 12.5 | 19.7 | 6.3 | 15.6 |
| EAST CANYON CREEK near Morgan | APR-JUN | 21 | 72 | 24 | 19.3 | 31 | 12.9 | 29 |
| HARDSCRABBLE CREEK near Porterville | APR-JUN | 16.0 | 87 | 18.9 | 12.5 | 25 | 7.0 | 18.4 |
| WEBER RIVER at Gateway | APR-JUN | 225 | 69 | 265 | 199 | 300 | 150 | 328 |
| SOUTH FORK OGDEN RIVER near Huntsvil | APR-JUN | 44 | 76 | 54 | 34 | 58 | 28 | 58 |
| PINEVIEW RESERVOIR inflow | APR-JUN | 87 | 71 | 107 | 71 | 111 | 58 | 122 |
| WHEELER CREEK near Huntsville | APR-JUN | 5.0 | 79 | 5.8 | 4.2 | 6.3 | 3.5 | 6.3 |
| FARMINGTON CREEK near Farmington | APR-JUL | 7.3 | 89 | 8.6 | 6.0 | 11.3 | 3.3 | 8.2 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | |
|-------------|----------------------------|------------------------------|------------------------------|-------------------------|-----------------------------|-------------------|------------------------------------|
| | USEABLE CAPACITY | ++ USEABLE STORAGE THIS YEAR | ++ USEABLE STORAGE LAST YEAR | ++ USEABLE STORAGE AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE |
| CAUSEY | 7.1 | 2.6 | 3.9 | 2.3 | OGDEN RIVER | 4 | 163 99 |
| EAST CANYON | 48.1 | 31.6 | 33.0 | 35.6 | WEBER RIVER | 17 | 152 96 |
| ECHO | 73.9 | 50.5 | 56.1 | 49.5 | WEBER & OGDEN WATERSHEDS | 21 | 155 97 |
| LOST CREEK | 20.0 | 15.1 | 17.2 | 13.4 | | | |
| PINEVIEW | 110.1 | 33.7 | 41.2 | 48.7 | | | |
| ROCKPORT | 60.9 | 27.7 | 25.4 | 30.2 | | | |
| WILLARD BAY | 165.5 | 115.3 | 133.7 | 116.4 | | | |

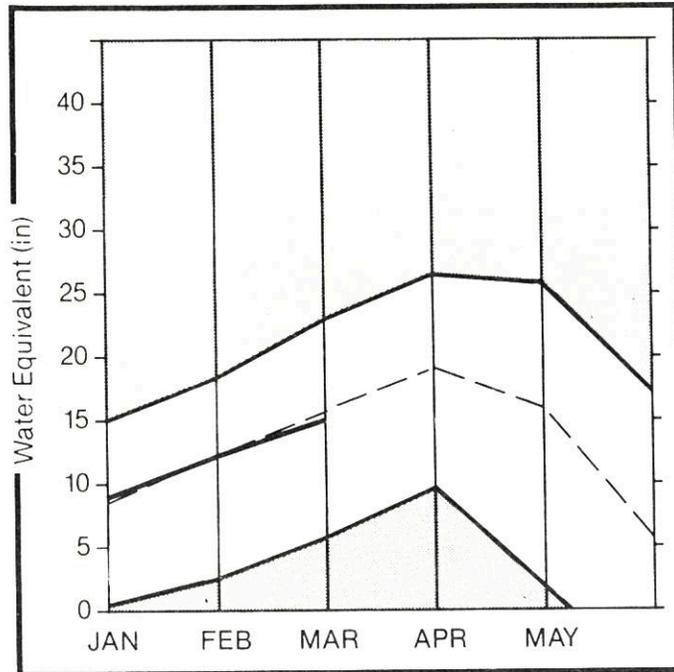
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Utah Lake, Jordan River & Tooele Valley

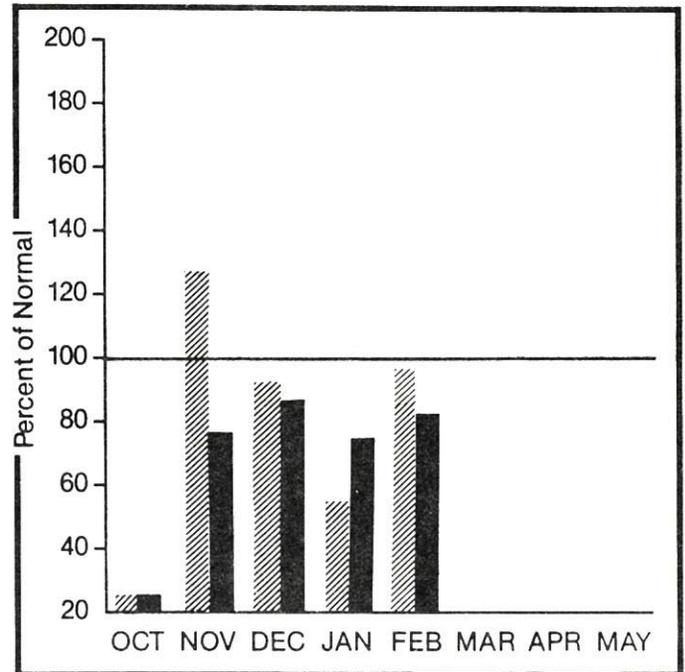
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpacks across this basin dropped 9% resulting in March first snow water content at 93% of average. With year-to-date precipitation of only 82%, however, and several years of poor snowpacks preceded by dry fall conditions, a potential good water supply outlook for this year is diminished. Thus, Deer Creek Reservoir should receive only 79% of its usual inflow and the Six Creeks watersheds are forecasted in the 74% to 87% of average range. Vernon Creek and Willow Creek flows are forecasted lowest at 67%. Reservoir storage currently ranges from 91% of average at Utah Lake to 160% of average at Settlement Creek.

For more information contact your local
 Soil Conservation Service Office:
 Midvale Field Office 801-524-4373
 Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST | MOST | MOST | WET | DRY | REAS. | REAS. | 25 YR. AVG. (1000AF) |
|-------------------------------------|----------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|----------------------------|
| | PERIOD | PROBABLE (1000AF) | PROBABLE (% AVG.) | SUBS. (1000AF) | SUBS. (1000AF) | MAX. (1000AF) | MIN. (1000AF) | |
| SALT CREEK near Nephi | APR-JUL | 10.3 | 76 | 11.1 | 9.5 | 21 | 5.4 | 13.5 |
| PAYSON CREEK near Payson | APR-JUL | 5.5 | 75 | | | | | 7.3 |
| SPANISH FORK near Castilla | APR-JUL | 55 | 69 | | | | | 80 |
| HOBBLE CREEK near Springville | APR-JUL | 18.0 | 77 | | | | | 23 |
| PROVO near Hailstone | APR-JUL | 95 | 84 | | | 128 | 68 | 113 |
| PROVO below Deer Creek Dam | APR-JUL | 105 | 79 | | | 140 | 66 | 133 |
| AMERICAN FORK near American Fk. | APR-JUL | 25 | 74 | | | 31 | 21 | 34 |
| UTAH LAKE inflow | APR-JUL | 200 | 68 | | | 285 | 120 | 295 |
| LITTLE COTTONWOOD CRK near SLC | APR-JUL | 36 | 88 | | | 43 | 31 | 41 |
| BIG COTTONWOOD CRK near SLC | APR-JUL | 34 | 87 | | | 38 | 27 | 39 |
| PARLEY'S CREEK near SLC | APR-JUL | 13.5 | 79 | | | 19.3 | 9.9 | 17.0 |
| MILL CREEK near SLC | APR-JUL | 5.5 | 80 | | | 8.1 | 3.9 | 6.9 |
| EMIGRATION CREEK near SLC | APR-JUL | 3.4 | 74 | | | | | 4.6 |
| CITY CREEK near SLC | APR-JUL | 7.0 | 78 | | | 9.1 | 5.4 | 9.0 |
| VERNON CREEK near Vernon | APR-JUN | 0.8 | 67 | 0.8 | 0.8 | 1.5 | 0.1 | 1.2 |
| SETTLEMENT CREEK near Tooele | APR-JUL | 1.7 | 74 | 2.1 | 1.3 | 3.0 | 0.7 | 2.3 |
| SOUTH WILLOW CREEK near Grantsville | APR-JUL | 2.0 | 67 | 2.3 | 1.7 | 3.7 | 0.3 | 3.0 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | WATERSHED SNOWPACK ANALYSIS | | |
|---------------------|-------------------------------|-----------------------|-------|-------------------------|---------------------------|--|-----|-----|
| | USEABLE : CAPACITY: | ** USEABLE STORAGE ** | | NO. COURSES AVG'D | | THIS YEAR AS % OF ----- LAST YR. AVERAGE | | |
| | THIS YEAR | LAST YEAR | AVG. | | | | | |
| DEER CREEK | 149.6 | 100.6 | 114.6 | 95.5 | PROVO RIVER & UTAH LAKE | 10 | 124 | 84 |
| GRANTSVILLE | 3.3 | 1.8 | 2.0 | --- | PROVO RIVER | 5 | 133 | 79 |
| SETTLEMENT CREEK | 1.0 | 0.8 | 0.9 | 0.5 | JORDAN RIVER & GREAT SALT | 13 | 166 | 102 |
| STRAWBERRY-ENLARGED | 951.4 | 397.5 | 478.5 | --- | TOOELE & VERNON W.S.'S | 5 | 150 | 81 |
| UTAH LAKE | 855.5 | 629.2 | 795.0 | 689.4 | UTAH L.-JORDAN R.-TOOELE | 28 | 150 | 93 |
| VERNON CREEK | 0.6 | 0.5 | 0.5 | 0.5 | | | | |

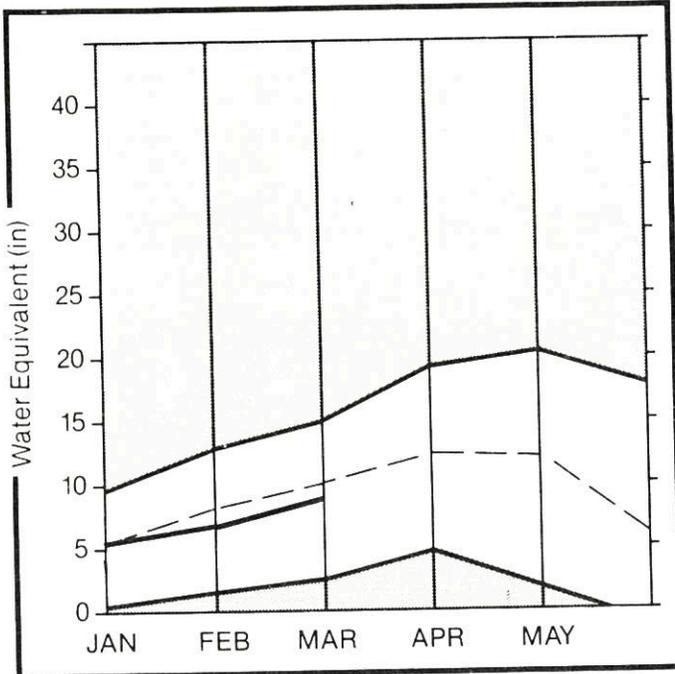
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Uintah Basin & Dagget SCD's

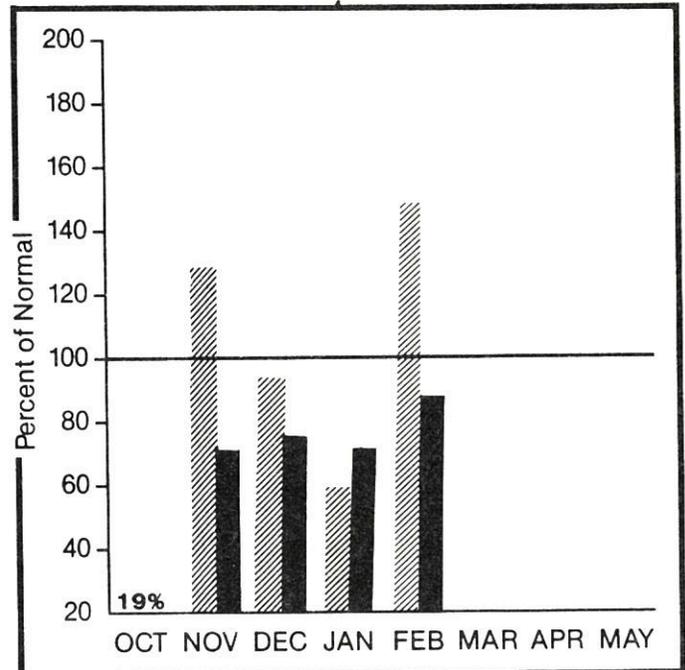
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

In spite of an excellent storming pattern in early February, the Uintas only experienced a modest increase of snowpack to 86% of average. High snowpacks are noted on the Ashley and Sheep Creeks at 103% of average. The Duchesne is lowest at 85%. With year-to-date precipitation of only 86% of average, the streamflow forecasts range from a low of 77% inflow expected at Flaming Gorge Reservoir to a high of 101% for Big Brush Creek. Reservoir storage volume currently range from 53% at Moon Lake to 137% at Starvation Reservoir.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BLACK'S FORK nr Millburne | APR-JUL | 86 | 90 | 98 | 74 | 120 | 56 | 96 |
| HENRY'S FORK nr Manila 2 | APR-JUL | 40 | 89 | 58 | 26 | 64 | 16.1 | 45 |
| GREEN RIVER nr Greendale 2 | APR-JUL | 380 | 77 | | | 1310 | 690 | 1267 |
| BIG BRUSH CREEK ab Red Fleet Res | APR-JUL | 20 | 101 | 21 | 18.2 | 25 | 16.0 | 19.8 |
| ASHLEY CREEK nr Vernal 2 | APR-JUL | 50 | 96 | 57 | 43 | 63 | 40 | 52 |
| WEST FORK DUCHESNE RIVER nr Hanna | APR-JUL | 25 | 96 | 28 | 21 | 30 | 19.0 | 26 |
| DUCHESNE RIVER nr Tabiona | APR-JUL | 92 | 84 | 102 | 81 | 110 | 71 | 110 |
| ROCK CREEK nr Mountain Home | APR-JUL | 83 | 87 | 89 | 77 | 106 | 66 | 95 |
| DUCHESNE RIVER abv Knight Diversion | APR-JUL | 165 | 85 | 175 | 155 | 205 | 126 | 194 |
| STRAWBERRY RIVER inflow to Strawberr | APR-JUL | 52 | 87 | 62 | 41 | 65 | 38 | 60 |
| CURRENT CREEK nr Fruitland 2 | APR-JUL | 20 | 87 | 22 | 18.4 | 25 | 15.2 | 23 |
| STRAWBERRY RIVER inflow to Starvatio | APR-JUL | 58 | 87 | | | 71 | 45 | 67 |
| STRAWBERRY RIVER nr Duchesne (natura | APR-JUL | 105 | 87 | 120 | 89 | 129 | 81 | 121 |
| LAKEFORK RIVER blw Moon Lake 2 | APR-JUL | 65 | 92 | 75 | 56 | 83 | 50 | 71 |
| YELLOWSTONE RIVER nr Altonah | APR-JUL | 58 | 88 | 65 | 50 | 82 | 34 | 66 |
| DUCHESNE RIVER at Myton 2 | APR-JUL | 230 | 84 | 285 | 175 | 315 | 123 | 275 |
| UINTA RIVER nr Neola | APR-JUL | 80 | 91 | 91 | 69 | 116 | 44 | 88 |
| WHITEROCKS RIVER nr Whiterocks | APR-JUL | 56 | 93 | 64 | 48 | 81 | 31 | 60 |
| DUCHESNE RIVER nr Randlett | APR-JUL | 280 | 82 | 360 | 205 | 520 | 117 | 340 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|-------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY: | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| FLAMING GORGE | 3749.0 | 2898.4 | 3015.2 | — | UPPER GREEN RIVER in UTAH | 13 | 105 | 89 |
| MOON LAKE | 35.8 | 8.9 | 22.1 | 16.8 | ASHLEY CREEK | 2 | 177 | 103 |
| RED FLEET | 26.0 | 28.0 | 28.4 | — | BLACK'S FORK RIVER | 3 | 89 | 88 |
| STEINAKE | 33.3 | 17.7 | 28.0 | 21.1 | SHEEP CREEK | 2 | 96 | 103 |
| STARVATION | 165.3 | 153.0 | 160.1 | 112.1 | DUCHESNE RIVER | 16 | 129 | 85 |
| STRAWBERRY-ENLARGED | 951.4 | 397.5 | 478.5 | — | LAKE FORK-YELLOWSTONE CK. | 3 | 128 | 88 |
| | | | | | STRAWBERRY RIVER | 4 | 123 | 88 |
| | | | | | UINTAH-WHITEROCKS RIVERS | 4 | 135 | 87 |
| | | | | | UINTAH BASIN & DAGGET SCD | 29 | 118 | 86 |

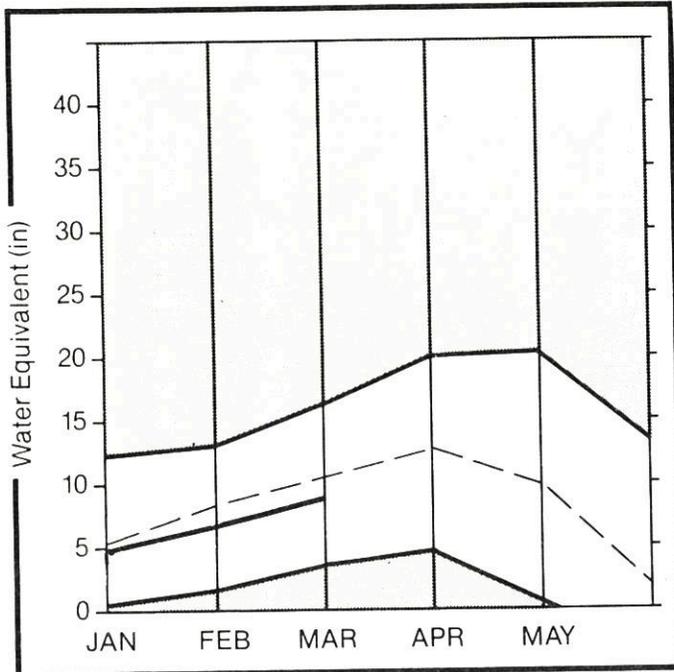
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(2) - Corrected for upstream diversions or changes in reservoir storage.

Carbon, Emery, Wayne, Grand, and San Juan Co.

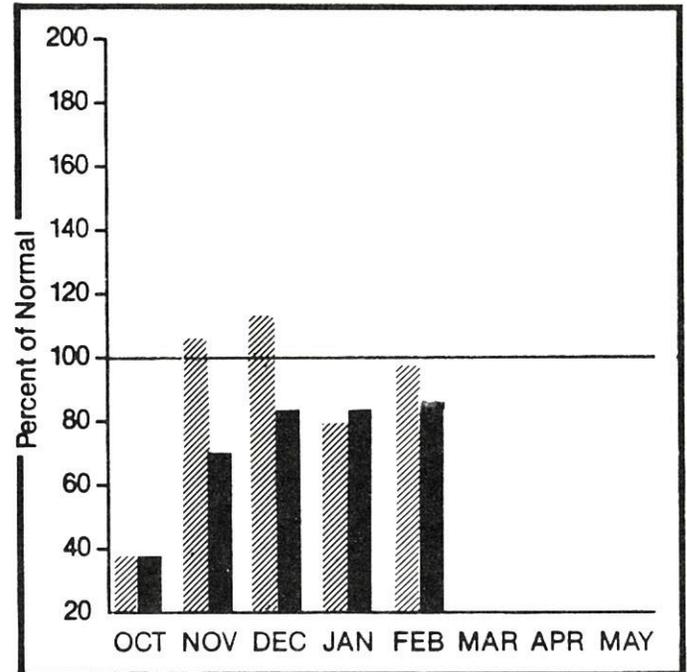
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snow water content in southeastern Utah is 84% of average. Willow Creek-White River, Blue Mountains, LaSal Mountains and Fremont River basins increased in water content and range from 113% to 87% of average. Water content, as compared to normal, decreased during the month of February on the Muddy River and San Rafael River basins. Stream-flow forecasts range from 74% of average for Scofield Reservoir inflow to 110% of average for San Juan near Bluff. Mountain precipitation during February was 97% of normal. Reservoir storage is 103% of the March first average.

For more information contact your local
Soil Conservation Service Office:
Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GOOSEBERRY CREEK nr Scofield | APR-JUL | 9.2 | 77 | | | 13.3 | 5.1 | 12.0 |
| SCOFIELD RESERVOIR inflow | APR-JUL | 34 | 74 | | | 46 | 24 | 46 |
| PRICE RIVER nr Heiner 2 | APR-JUL | 47 | 80 | | | 63 | 35 | 59 |
| GREEN RIVER at Green River, UT 2 | APR-JUL | 2400 | 75 | | | 3260 | 1540 | 3182 |
| HUNTINGTON CREEK inf to Electric Lak | APR-JUL | 12.0 | 79 | 12.8 | 11.2 | 16.2 | 9.1 | 15.1 |
| HUNTINGTON CREEK nr Huntington 2 | APR-JUL | 40 | 73 | | | 55 | 30 | 55 |
| COTTONWOOD CREEK nr Orangeville 2 | APR-JUL | 37 | 79 | 44 | 31 | 53 | 21 | 47 |
| FERRON CREEK nr Ferron | APR-JUL | 33 | 80 | 38 | 27 | 48 | 17.8 | 41 |
| COLORADO nr Cisco, UT 2 | APR-JUL | 3100 | 90 | | | 4480 | 2030 | 3443 |
| MILL CREEK nr Moab | APR-JUL | 5.7 | 104 | 5.8 | 5.6 | 7.7 | 3.7 | 5.5 |
| SEVEN MILE CREEK nr Fish Lake | APR-JUL | 6.2 | 95 | 6.5 | 5.9 | 8.6 | 3.8 | 6.5 |
| MUDDY CREEK nr Emery | APR-JUL | 16.0 | 76 | 18.5 | 13.5 | 24 | 8.2 | 21 |
| SAN JUAN RIVER nr Archuleta 2 | APR-JUL | 830 | 109 | 950 | 700 | 1140 | 580 | 764 |
| SAN JUAN nr Bluff, UT 2 | APR-JUL | 1200 | 110 | | | 1710 | 775 | 1091 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| HUNTINGTON NORTH | 3.9 | 2.4 | 3.6 | 3.0 | PRICE RIVER | 3 | 104 | 85 |
| JOE'S VALLEY | 61.6 | 39.5 | 42.9 | 44.6 | SAN RAFAEL RIVER | 7 | 111 | 79 |
| KEN'S LAKE | 2.3 | 0.0 | 0.9 | --- | MUDDY RIVER | 2 | 132 | 76 |
| MILL SITE | 16.7 | 12.9 | 8.6 | 4.0 | FREMONT RIVER | 4 | 123 | 87 |
| SCOFIELD | 65.8 | 31.6 | 40.5 | 32.2 | LASAL MOUNTAINS | 2 | 98 | 100 |
| | | | | | BLUE MOUNTAINS | 2 | 111 | 97 |
| | | | | | WILLOW CREEK - WHITE RIVE | 3 | 148 | 113 |
| | | | | | SOUTHEASTERN UTAH | 22 | 109 | 84 |

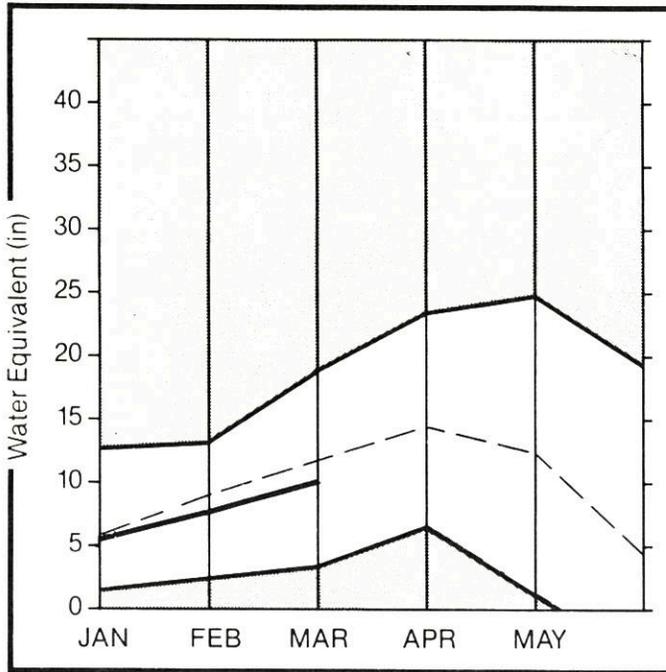
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REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Sevier & Beaver River Basins

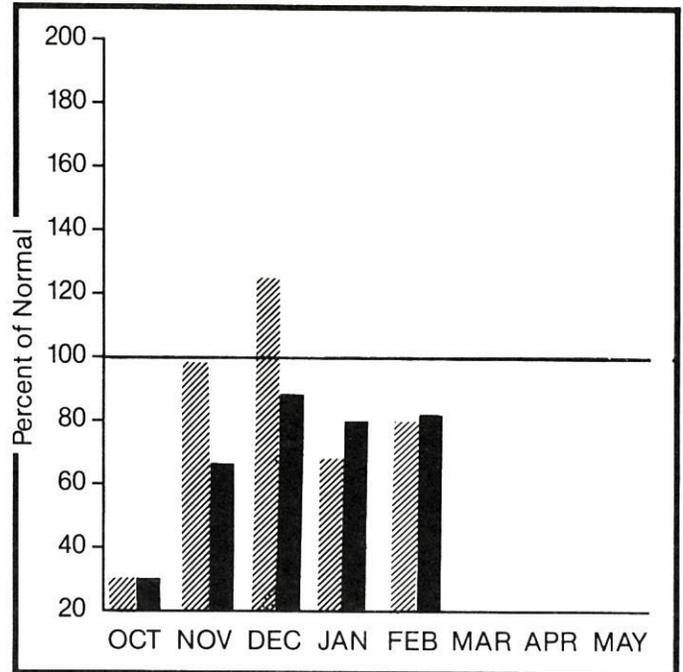
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snow water content on the Sevier and Beaver River basins decreased from 87% to 85% of average for the month of February. The East Fork Sevier River showed an increase in snow water content to 92% of average and streamflow forecasts of 83% of average. The other streamflow forecasts either decreased slightly or remained the same for the April-July runoff period and now range from 67% to 91% of average. Mountain precipitation during February was 80% of normal. Usable storage in reservoirs is 157% of average for the end of February.

For more information contact your local
 Soil Conservation Service Office:
 Richfield Field Office 801-896-6261
 Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SEVIER at Hatch | APR-JUL | 35 | 67 | | | 55 | 18.9 | 52 |
| SEVIER near Circleville | APR-JUL | 35 | 80 | | | | | 44 |
| SEVIER near Kingston | APR-JUL | 25 | 74 | | | 52 | 10.4 | 34 |
| ANTIMONY CREEK near Antimony | APR-JUL | 6.5 | 73 | | | | | 8.9 |
| E F SEVIER near Kingston | APR-JUL | 20 | 83 | | | 35 | 11.1 | 24 |
| SEVIER blw Piute Dam | APR-JUL | 40 | 71 | | | 77 | 8.6 | 56 |
| CLEAR CREEK near Sevier | APR-JUL | 17.5 | 80 | | | | | 22 |
| SIGURD to GUNNISON | APR-JUL | 32 | 73 | | | 72 | 13.5 | 44 |
| KINGSTON to VERMILLION DAM | APR-JUL | 14.0 | 74 | | | | | 18.9 |
| VERMILLION DAM to GUNNISON | APR-JUN | 27 | 67 | | | | | 40 |
| SALINA CREEK at Salina | APR-JUN | 13.0 | 71 | | | | | 18.2 |
| PLEASANT CREEK near Pleasant | APR-JUL | 8.5 | 74 | | | | | 11.5 |
| EPHRAIM CREEK near Ephraim | APR-JUL | 17.0 | 68 | | | | | 25 |
| SEVIER nr Gunnison | APR-JUL | 70 | 71 | | | | | 99 |
| CHICKEN CREEK near Levan | APR-JUL | 2.7 | 77 | 2.9 | 2.5 | 3.9 | 1.5 | 3.5 |
| OAK CREEK near Oak City | APR-JUL | 1.1 | 75 | 1.1 | 1.1 | 2.4 | -0.2 | 1.6 |
| CHALK CREEK near Fillmore | APR-JUL | 14.0 | 85 | 12.0 | 16.0 | 20 | 7.9 | 16.4 |
| BEAVER RIVER near Beaver | APR-JUL | 23 | 85 | 28 | 19.8 | 37 | 11.4 | 27 |
| NORTH CREEK near Beaver (combined) | APR-JUL | 13.0 | 89 | 16.9 | 9.1 | 25 | 4.4 | 14.6 |
| MINERSVILLE RESERVOIR inflow | APR-JUN | 13.0 | 91 | 14.6 | 11.4 | 20 | 6.0 | 14.3 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | |
|---------------------|----------------------------|---------------------------------|-----------|-------|-----------------------------|-------------------|------------------------------------|
| | USEABLE CAPACITY | ++ USEABLE STORAGE ++ THIS YEAR | LAST YEAR | AVG. | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE |
| GUNNISON | 20.3 | 12.0 | 14.0 | 14.0 | U SEVIER (s of Richfield) | 11 | 120 88 |
| MINERSVILLE (RkyFd) | 26.0 | 19.4 | 18.0 | 12.9 | EAST FORK SEVIER RIVER | 4 | 118 82 |
| OTTER CREEK | 52.7 | 51.7 | 52.4 | 31.2 | SOUTH FORK SEVIER RIVER | 7 | 121 87 |
| PIUTE | 71.8 | 66.4 | 67.8 | 41.5 | LOWER SEVIER RIVER | 12 | 110 83 |
| SEVIER BRIDGE | 236.0 | 195.6 | 198.5 | 119.6 | BEAVER RIVER | 3 | 90 86 |
| PANQUITCH LAKE | 22.3 | 17.4 | 18.7 | --- | SEVIER & BEAVER R. BASINS | 26 | 110 85 |

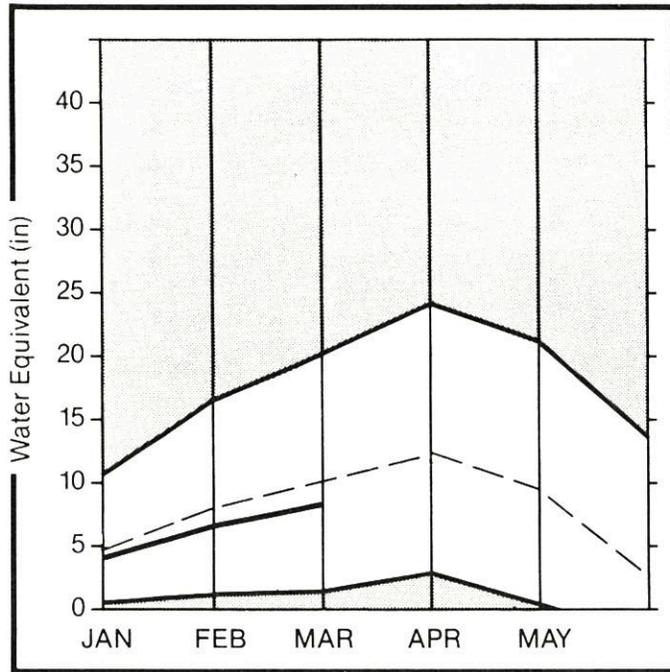
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

E. Garfield, Kane, Washington, & Iron Co.

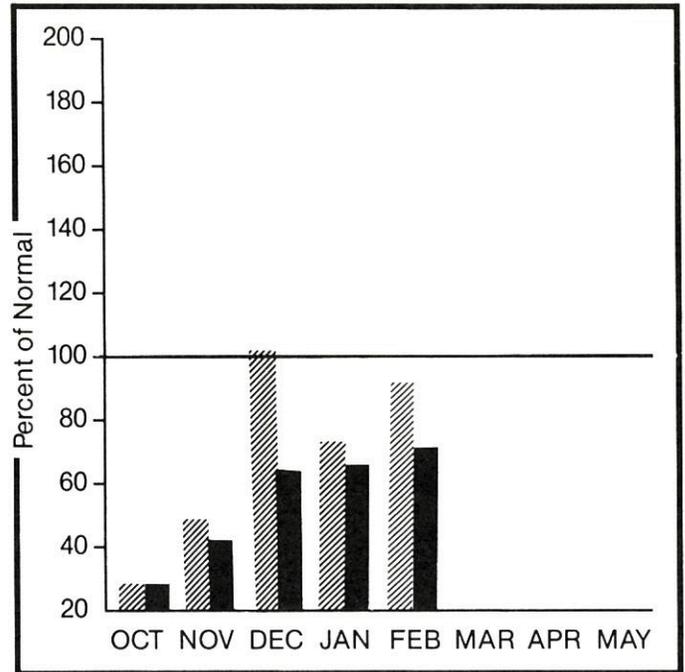
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

The snow water content in southwestern Utah ranges from 67% of normal on the Parowan watershed to 122% of normal on the Enterprise to New Harmony drainages on the first of the month. Mountain precipitation was just below normal for the month of February and year-to-date precipitation is 71% of average. Streamflow forecasts range from 85% of average for Colorado River inflow to Lake Powell to 50% of average for Santa Clara near Pine Valley. Reservoir storage for Lake Powell is 21,129,800 acre-feet or 85% of usable capacity.

For more information contact your local
 Soil Conservation Service Office:
 Cedar City Field Office 801-586-2429

E. GARFIELD, KANE, WASHINGTON, & IRON Co.

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|---------------------------|---------------------------|-----------------------|-----------------------|------------------------|------------------------|-------------------------|
| COAL CREEK near Cedar City | APR-JUL | 14.0 | 70 | | | 22 | 9.2 | 20 |
| COLORADO RIVER inf to Lake Powell 2 | APR-JUL | 6900 | 65 | 8440 | 5200 | 9570 | 4640 | 8086 |
| VIRGIN near Hurricane | APR-JUN | 40 | 59 | | | 65 | 13.5 | 68 |
| SANTA CLARA near Pine Valley | APR-JUN | 2.5 | 50 | | | | | 5.0 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | WATERSHED SNOWPACK ANALYSIS | | |
|------------------|-------------------------------|------------------------------|------------------------------|-------------------------|---------------------------|-----------------------------|---------------------------------------|-----|
| | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVG. | | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| GUNLOCK | 10.4 | 9.0 | 8.2 | --- | VIRGIN RIVER | 5 | 103 | 77 |
| LAKE POWELL | 25002.0 | 21130.0 | 22174.0 | --- | PAROWAN | 4 | 63 | 67 |
| QUAIL CREEK | | NO REPORT | | | ENTERPRISE TO NEW HARMONY | 2 | 123 | 122 |
| UPPER ENTERPRISE | 10.0 | 0.9 | 0.8 | --- | COAL CREEK | 3 | 75 | 68 |
| LOWER ENTERPRISE | 2.6 | 0.6 | 0.5 | --- | ESCALANTE RIVER | 2 | 78 | 71 |
| | | | | | SOUTHWESTERN UTAH | 12 | 84 | 77 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

SNOW MEASUREMENT DATA

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ALTA CENTRAL | 8800 | 03/02 | 81 | 31.0 | 19.7 | 30.3 |
| ASHLEY TWIN LAKES | 10500 | 02/28 | 41 | 9.8 | 6.2 | 13.6 |
| ATWOOD LAKE | 10840 | 02/28 | 32 | 7.4 | 4.4 | 9.7 |
| ATWOOD LAKE SNOTEL | 10840 | 02/27 | - | 6.6 | 5.8 | 8.0 |
| BEAVER CREEK DIVIDE | 8280 | 02/22 | 33 | 8.9 | 6.8 | 10.8 |
| BEAVER DIVIDE SNOTL | 8280 | 02/27 | - | 8.2 | 7.5 | 11.0 |
| BEAVER DAMS | 8000 | 02/24 | 28 | 8.1 | 8.3 | 10.5 |
| BEAVER DAMS SNOTEL | 8000 | 02/27 | - | 7.2 | 6.9 | 10.5 |
| BEN LOMOND PEAK | 8000 | 02/22 | 93 | 33.6 | 16.9 | 31.2 |
| BEN LOMOND PK SNOTL | 8000 | 02/27 | - | 34.6 | 19.9 | 33.3 |
| BEN LOMOND TRAIL | 6000 | 02/22 | 58 | 17.6 | 10.6 | 16.7 |
| BEN LOMOND TR SNOTL | 6000 | 02/27 | - | 25.5 | 9.8 | 18.7 |
| BEVAN'S CABIN | 6450 | 03/01 | 30 | 9.6 | 7.1 | 8.8 |
| BIG FLAT | 10290 | 02/23 | 47 | 12.6 | 14.8 | 14.5 |
| BIG FLAT SNOTEL | 10290 | 02/27 | - | 15.1 | 14.5 | 14.1 |
| BIRCH CROSSING | 8100 | 02/27 | 17 | 4.8 | 8.3 | 6.4 |
| BLACK'S FLAT-U.M. CK | 9400 | 02/24 | 33 | 8.4 | 7.0 | 9.4 |
| BLACK FLAT-U.M. CK S | 9400 | 02/27 | - | 6.8 | 6.0 | 10.1 |
| BLACK'S FORK | 9200 | 02/24 | - | 9.0E | 7.0 | 11.5 |
| BLACK'S FORK GS-EF | 9340 | 02/21 | 32 | 7.2 | 8.1 | 7.6 |
| BLACK'S FORK JUNCTN | 8930 | 02/21 | 36 | 7.7 | 7.7 | 7.6 |
| BOX CREEK | 9300 | 02/24 | 41 | 10.9 | 9.3 | 11.4 |
| BOX CREEK SNOTEL | 9300 | 02/27 | - | 10.4 | 9.7 | 11.1 |
| BRIAN HEAD | 10000 | 02/23 | 41 | 10.8 | 17.3 | 16.5 |
| BRIGHTON | 8750 | 03/02 | 62 | 20.6 | 12.8 | 29.3 |
| BRIGHTON SNOTEL | 8750 | 02/27 | - | 22.1 | 12.9 | 29.3 |
| BRIGHTON CABIN | 8700 | 02/28 | 64 | 22.1 | 12.9 | 23.2 |
| BROWN DUCK RIDGE | 10600 | 02/22 | 50 | 13.2 | 12.5 | 16.9 |
| BROWN DUCK SNOTEL | 10600 | 02/27 | - | 11.9 | 10.9 | 16.2 |
| BRYCE CANYON | 8000 | 02/27 | 11 | 3.2 | 1.4 | 4.6 |
| BUCK FLAT | 9800 | 02/25 | 41 | 11.6 | 10.4 | 14.8 |
| BUCK FLAT SNOTEL | 9800 | 02/27 | - | 13.6 | 10.7 | 14.3 |
| BUCK PASTURE | 9700 | 02/28 | 51 | 11.7 | 10.8 | 13.5 |
| BUCKBOARD FLAT | 9000 | 02/22 | 40 | 11.0 | 9.4 | 10.8 |
| BUG LAKE | 7950 | 02/21 | 48 | 13.5 | 12.0 | 15.5 |
| BUG LAKE SNOTEL | 7950 | 02/27 | - | 14.8 | 13.6 | 18.0 |
| BURT'S-MILLER RANCH | 7900 | 02/21 | 26 | 5.3 | 3.8 | 4.6 |
| CAMP JACKSON | 8600 | 02/22 | 41 | 10.7 | 10.2 | 11.5 |
| CAMP JACKSON SNOTEL | 8600 | 02/27 | - | 12.4 | 10.7 | 11.5 |
| CASTLE VALLEY | 9580 | 02/23 | 32 | 8.3 | 10.0 | 11.4 |
| CASTLE VALLEY SNOTL | 9580 | 02/27 | - | 8.6 | 11.1 | 11.5 |
| CHALK CREEK #1 | 9100 | 02/21 | 67 | 15.1 | 13.2 | 18.7 |
| CHALK CK #1 SNOTEL | 9100 | 02/27 | - | 19.2 | 14.5 | 19.4 |
| CHALK CREEK #2 | 8200 | 02/21 | 53 | 11.6 | 9.2 | 12.2 |
| CHALK CK #2 SNOTEL | 8200 | 02/27 | - | 14.4 | 10.9 | 12.6 |
| CHALK CREEK #3 | 7500 | 02/21 | 37 | 7.5 | 5.1 | 6.7 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| CHEPETA | 10300 | 02/21 | 46 | 10.4 | 7.1 | 10.6 |
| CHEPETA SNOTEL | 10300 | 02/27 | - | 11.0 | 7.1 | 10.4 |
| CHEPETA-WHITERKS. LK | 10350 | 02/28 | 44 | 10.1 | 8.0 | 12.6 |
| CITY CREEK | 7500 | 03/01 | 65 | 24.9 | 13.0 | 22.7 |
| CLEAR CREEK MEADOWS | 9420 | 02/27 | 62 | 20.7 | 13.6 | 19.3 |
| CLEAR CREEK RIDGE #1 | 9200 | 02/25 | 41 | 13.1 | 12.5 | 16.2 |
| CLEAR CK RIDG #1 SNT | 9200 | 02/27 | - | 16.3 | 11.4 | 16.9 |
| CLEAR CREEK RIDGE #2 | 8000 | 02/25 | 39 | 10.7 | 9.7 | 12.3 |
| CLEAR CK RIDG #2 SNT | 8000 | 02/27 | - | 12.0 | 7.7 | 12.8 |
| CLEAR CREEK RIDGE #3 | 6600 | 02/25 | 25 | 7.4 | 6.1 | 7.5 |
| CURRANT CREEK | 8000 | 02/22 | 36 | 9.8 | 6.3 | 8.9 |
| CURRANT CREEK SNOTEL | 8000 | 02/27 | - | 8.6 | 6.5 | 10.4 |
| DANIELS-STRAWBERRY | 8000 | 02/22 | 36 | 10.8 | 9.3 | 12.9 |
| DANIELS-STRAWBERRY S | 8000 | 02/27 | - | 14.7 | 12.4 | 15.8 |
| DESERET PEAK | 9250 | 03/04 | 50 | 15.3 | 7.3 | 22.2 |
| DESERET PEAK AM | 9250 | 03/04 | 43 | 13.3 | - | 22.2 |
| DESERET PEAK SNOTEL | 9250 | 02/27 | - | 15.6 | - | 22.2 |
| DILL'S CAMP | 9200 | 02/24 | 29 | 7.9 | 5.8 | 10.6 |
| DILL'S CAMP SNOTEL | 9200 | 02/27 | - | 8.7 | 7.4 | 12.0 |
| DONKEY RESERVOIR | 9800 | 02/24 | 19 | 4.1 | 4.5 | 6.7 |
| DONKEY RESERVOIR SNO | 9800 | 02/27 | - | 4.2 | 5.1 | 6.7 |
| DRY BREAD POND | 8350 | 02/22 | 44 | 13.5 | 10.2 | 16.0 |
| DRY BREAD POND SNOTL | 8350 | 02/27 | - | 24.3 | 14.7 | 18.7 |
| DUCK CREEK R.S. | 8700 | 02/23 | - | 11.4E | 7.6 | 11.8 |
| EAST SHINGLE LAKE | 9800 | 02/28 | 68 | 17.7 | 14.8 | 22.8 |
| EAST WILLOW CREEK | 8250 | 02/27 | 27 | 7.1 | 7.5 | 9.9 |
| EAST WILLOW CREEK SN | 8250 | 02/27 | - | 6.9 | 6.3 | 9.9 |
| FARMINGTON CANYON | 8000 | 02/22 | 83 | 29.8 | 13.4 | 26.1 |
| FARMINGTON CN SNOTEL | 8000 | 02/27 | - | 32.8 | 12.7 | 25.0 |
| FARMINGTON CANYON L. | 6950 | 02/22 | 74 | 25.1 | 10.8 | 20.0 |
| FARNSWORTH LAKE | 9600 | 02/24 | 48 | 13.4 | 11.6 | 15.5 |
| FARNSWORTH LK SNOTEL | 9600 | 02/27 | - | 13.3 | 12.2 | 15.5 |
| FISH LAKE | 8700 | 02/23 | 25 | 6.7 | 5.2 | 7.4 |
| FIVE POINT LAKE | 10920 | 02/28 | 42 | 9.7 | 8.4 | 13.1 |
| FIVE POINTS LAKE SNO | 10920 | 02/27 | - | 11.6 | 8.0 | 10.4 |
| FRANCES FLATS | 6700 | 03/01 | 50 | 20.3 | 9.2 | 18.1 |
| G.B.R.C. HEADQUARTER | 8700 | 02/25 | 41 | 12.7 | 11.0 | 14.2 |
| G.B.R.C. MEADOWS | 10000 | 02/25 | 47 | 14.3 | 13.5 | 20.0 |
| GARDEN CITY SUMMIT | 7600 | 02/21 | 40 | 11.1 | 8.7 | 15.4 |
| GEORGE CREEK | 8840 | 02/27 | 59 | 19.1 | 12.2 | 18.1 |
| GOOSEBERRY R.S. | 8000 | 02/24 | 34 | 9.3 | 8.5 | 10.1 |
| GOOSEBERRY R.S. SNOT | 8000 | 02/27 | - | 7.4 | 7.6 | 9.9 |
| HARDSCRABBLE | 6700 | 02/22 | 55 | 18.4 | 10.3 | 17.0 |
| HARRIS FLAT | 7700 | 02/23 | 27 | 7.4 | 4.2 | 7.9 |
| HARRIS FLAT SNOTEL | 7700 | 02/27 | - | 3.7 | 0.0 | 7.7 |
| HAYDEN FORK | 9400 | 02/21 | 45 | 10.5 | 9.0 | 12.9 |
| HAYDEN FORK SNOTEL | 9100 | 02/27 | - | 14.3 | 11.5 | 14.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|---------------|-----------|-----------------|
| HENRY'S FORK | 10000 | 02/28 | 37 | 7.4 | 10.0 | 11.3 |
| HEWINTA G.S. | 9500 | 02/21 | 34 | 7.8 | 8.9 | 7.5 |
| HEWINTA SNOTEL | 9500 | 02/27 | - | 7.9 | 9.6 | 7.5 |
| HICKERSON PARK | 9100 | 02/21 | 32 | 6.5 | 9.3 | 5.5 |
| HICKERSON PARK SNOTE | 9100 | 02/27 | - | 6.2 | 7.4 | 5.5 |
| HIDDEN SPRINGS | 5500 | 03/02 | 24 | 8.5 | 2.5 | 6.0 |
| HOLE-IN-THE-ROCK | 9150 | 02/21 | 25 | 5.0 | 4.9 | 4.5 |
| HOLE-IN-ROCK SNOTEL | 9150 | 02/27 | - | 5.1 | 5.4 | 4.5 |
| HOLE-IN-THE-ROCK GS | 8300 | | | | - | 2.3 |
| HOBBLE CREEK SUMMIT | 7420 | 02/22 | 42 | 12.5 | 9.7 | 12.9 |
| HORSE RIDGE | 8260 | 02/22 | 55 | 18.1 | 12.6 | 18.9 |
| HORSE RIDGE SNOTEL | 8260 | 02/27 | - | 20.2 | 14.3 | 21.1 |
| HUNTINGTON-HORSESHOE | 9800 | 02/25 | 52 | 16.9 | 14.8 | 21.3 |
| INDIAN CANYON | 9100 | 02/25 | 30 | 7.1 | 8.0 | 10.8 |
| INDIAN CANYON SNOTEL | 9100 | 02/27 | - | 7.1 | 6.6 | 9.9 |
| JOHNSON VALLEY | 8850 | 02/24 | 28 | 6.8 | 4.4 | 6.4 |
| KILFOIL CREEK | 7300 | 02/22 | 46 | 12.8 | 8.0 | 12.5 |
| KILLYON CANYON | 6300 | 03/02 | 26 | 10.2 | 6.1 | 6.9 |
| KIMBERLY MINE (UPPER) | 9300 | 02/23 | 44 | 12.2 | 12.0 | 13.1 |
| KIMBERLY MINE SNOTEL | 9300 | 02/27 | - | 11.3 | 11.0 | 13.1 |
| KING'S CABIN (UPPER) | 8730 | 02/22 | 35 | 8.4 | 3.9 | 8.5 |
| KING'S CABIN SNOTEL | 8730 | 02/27 | - | 9.4 | 4.1 | 9.7 |
| KLONDIKE NARROWS | 7400 | 02/21 | 51 | 16.1 | 12.7 | 17.4 |
| KOLOB-CRYSTAL | 9250 | 02/24 | 46 | 13.2 | 15.9 | 17.4 |
| KOLOB SNOTEL | 9250 | 02/27 | - | 12.1 | 18.5 | 18.1 |
| LAKEFORK BASIN | 10900 | 02/28 | 53 | 13.8 | 10.8 | 17.7 |
| LAKEFORK BASIN SNOTE | 10900 | 02/27 | - | 14.6 | 11.3 | 13.2 |
| LAKEFORK MOUNTAIN #1 | 10100 | 02/22 | 37 | 9.0 | 6.4 | 9.4 |
| LAKEFORK #1 SNOTEL | 10100 | 02/27 | - | 9.6 | 6.9 | 9.6 |
| LAKEFORK MOUNTAIN #3 | 8400 | 02/22 | 25 | 5.9 | 3.0 | 5.7 |
| LAMBS CANYON | 7400 | 02/27 | 46 | 15.4 | 11.0 | 14.2 |
| LASAL MOUNTAIN LOWER | 8800 | 02/23 | 31 | 7.3 | 7.2 | 7.8 |
| LASAL MOUNTAIN (UPP) | 9850 | 02/23 | 46 | 13.0 | 13.6 | 12.6 |
| LASAL MOUNTAIN SNOTE | 9850 | 02/27 | - | 10.6 | 9.4 | 12.0 |
| LIGHTNING LAKE | 10500 | 02/28 | 60 | 16.2 | 13.5 | 19.8 |
| LIGHTNING LAKE SNOTE | 10500 | 02/27 | - | 16.7 | 13.0 | 20.5 |
| LILY LAKE | 9050 | 02/21 | 48 | 9.9 | 8.9 | 11.9 |
| LILY LAKE SNOTEL | 9050 | 02/27 | - | 9.1 | 7.5 | 11.7 |
| LITTLE BEAR (LOWER) | 6000 | 02/22 | 40 | 11.8 | 6.9 | 9.5 |
| LITTLE BEAR (UPPER) | 6550 | 02/22 | 41 | 12.1 | 7.0 | 11.2 |
| LITTLE BEAR SNOTEL | 6550 | 02/27 | - | 13.5 | 8.1 | 13.6 |
| LITTLE GRASSY CREEK | 6100 | 02/24 | 22 | 6.4 | 2.6 | 4.0 |
| LITTLE GRASSY SNOTEL | 6100 | 02/27 | - | 4.1 | .7 | 4.0 |
| LONG FLAT | 8000 | 02/24 | 21 | 5.8 | 7.3 | 6.0 |
| LONG FLAT SNOTEL | 8000 | 02/27 | - | 5.2 | 6.8 | 7.3 |
| LONG VALLEY JCT. | 7500 | 02/23 | 19 | 5.8 | .0 | 4.9 |
| LONG VALLEY JCT. SNT | 7500 | 02/27 | - | 7.0 | 1.4 | 4.9 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| LOOKOUT PEAK | 8200 | 02/22 | 68 | 23.4 | - | 14.7 |
| LOOKOUT PEAK SNOTEL | 8200 | 02/27 | - | 21.6 | - | 14.7 |
| LOST CREEK RESERVOIR | 6130 | 02/22 | 28 | 6.9 | 4.4 | 5.8 |
| MAMMOTH-COTTONWOOD | 8800 | 02/25 | 47 | 15.5 | 14.0 | 18.4 |
| MAMMOTH-COTTONWD SNT | 8800 | 02/27 | - | 16.1 | 14.5 | 20.4 |
| MERCHANT VALLEY (UP) | 8750 | 02/23 | 37 | 9.3 | 9.2 | 10.5 |
| MERCHANT VALLEY SNOT | 8750 | 02/27 | - | 10.1 | 8.3 | 9.4 |
| MIDDLE BEAVER CREEK | 8650 | | | | - | 3.6 |
| MIDDLE CANYON | 7000 | 03/01 | 35 | 11.7 | 8.0 | 11.7 |
| MIDWAY VALLEY | 9800 | 02/23 | 44 | 12.9 | 16.0 | 18.1 |
| MIDWAY VALLEY SNOTEL | 9800 | 02/27 | - | 13.1 | 18.9 | 17.4 |
| MILL CREEK | 6950 | 02/28 | 50 | 17.4 | 11.4 | 16.3 |
| MILL-D SOUTH FORK | 7400 | 02/28 | 46 | 16.2 | 10.8 | 17.2 |
| MILL-D NORTH | 8960 | 02/22 | 70 | 24.1 | - | 24.5 |
| MILL-D NORTH SNOTEL | 8960 | 02/27 | - | 23.5 | - | 24.5 |
| MINING FORK | 8000 | 03/01 | 54 | 15.9 | - | 24.6 |
| MINING FORK SNOTEL | 8000 | 02/27 | - | 15.6 | - | 24.6 |
| MONTE CRISTO R.S. | 8960 | 02/22 | 59 | 20.1 | 14.3 | 21.6 |
| MONTE CRISTO SNOTEL | 8960 | 02/27 | - | 27.3 | 20.3 | 24.3 |
| MOSBY MOUNTAIN(LOW) | 9500 | 02/21 | 32 | 6.9 | 4.1 | 8.2 |
| MOSBY MTN. SNOTEL | 9500 | 02/27 | - | 7.0 | 5.4 | 9.7 |
| MT.BALDY R.S. | 9500 | 02/25 | 52 | 16.0 | 16.2 | 20.2 |
| MUD CREEK #2 | 8600 | 02/25 | 36 | 9.6 | 8.9 | 11.9 |
| OAK CREEK | 7760 | 02/23 | 32 | 8.0 | 8.0 | 11.4 |
| ONE MILE SUMMIT | 7330 | 02/27 | 12 | 3.3 | 3.0 | 6.0 |
| OTTER LAKE | 9600 | 02/23 | 37 | 9.5 | 10.9 | 11.6 |
| PANQUITCH LAKE | 8200 | 02/23 | 17 | 4.2 | 1.8 | 4.6 |
| PARADISE PARK | 10100 | 02/21 | 41 | 9.8 | 8.4 | 11.2 |
| PARLEY'S CANYON SUM. | 7500 | 02/27 | 54 | 17.4 | 11.8 | 16.0 |
| PARLEY'S CANYON SNOT | 7500 | 02/27 | - | 18.8 | 11.2 | 16.9 |
| PAYSON R.S. | 8050 | 02/23 | 50 | 14.5 | 11.9 | 16.6 |
| PAYSON R.S. SNOTEL | 8050 | 02/27 | - | 15.4 | 13.9 | 19.2 |
| PICKLE KEG SPRING | 9600 | 02/24 | 40 | 11.5 | 9.2 | 14.6 |
| PICKLE KEG SNOTEL | 9600 | 02/27 | - | 12.9 | 10.9 | 15.3 |
| PINE CANYON | 8000 | 02/22 | 54 | 17.1 | 11.0 | 17.4 |
| PINE CREEK | 8800 | 02/23 | 41 | 12.4 | 12.4 | 14.0 |
| PINE CREEK SNOTEL | 8800 | 02/27 | - | 14.5 | 13.1 | 15.9 |
| REDDEN MINE LOWER | 8500 | 02/22 | 45 | 13.2 | 9.6 | 15.2 |
| RED PINE RIDGE | 9200 | 02/25 | 41 | 11.8 | 10.5 | 15.0 |
| RED PINE RIDGE SNOTE | 9200 | 02/27 | - | 13.3 | 12.2 | 17.5 |
| REES'S FLAT | 7300 | 02/23 | 39 | 10.3 | 7.9 | 11.2 |
| REYNOLDS PARK | 10400 | 02/28 | 45 | 10.4 | 9.4 | 13.8 |
| ROCK CREEK | 7900 | 02/22 | 26 | 6.1 | 3.6 | 6.8 |
| ROCK CREEK SNOTEL | 7900 | 02/27 | - | 6.7 | 6.2 | 6.7 |
| ROCKY BASIN-SETTLEMT | 8900 | 03/01 | 55 | 18.5 | 11.7 | 23.4 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ROCKY BN-SETTLEMT SN | 8900 | 02/27 | - | 16.6 | 10.8 | 19.5 |
| SEELEY CREEK R.S. | 10000 | 02/22 | 37 | 11.0 | 11.1 | 14.4 |
| SEELEY CREEK SNOTEL | 10000 | 02/27 | - | 10.7 | 7.7 | 13.9 |
| SERGEANT LAKES | 8300 | 02/28 | 42 | 8.8 | 6.2 | 14.5 |
| SHINGLE MILL | 6200 | 02/28 | 27 | 8.4 | 7.1 | 7.8 |
| SILVER LAKE (BRIGHT.) | 8730 | 02/28 | 59 | 20.4 | 12.4 | 20.6 |
| SMITH & MOREHOUSE | 7600 | 02/21 | 44 | 10.2 | 7.5 | 11.4 |
| SMITH MOREHOUSE SNTL | 7600 | 02/27 | - | 13.8 | 9.0 | 12.5 |
| SNOWBIRD GAD VALLEY | 9700 | 02/28 | 85 | 30.0 | 19.2 | 28.1 |
| SOAPSTONE R.S. | 7800 | 02/22 | - | 9.6E | 7.7 | 11.1 |
| SPIRIT LAKE | 10300 | 02/21 | 43 | 9.6 | 7.5 | 10.1 |
| SQUAW SPRINGS | 9300 | 02/24 | 30 | 8.1 | 4.1 | 6.6 |
| STEEL CREEK PARK | 10100 | 02/21 | 48 | 10.2 | 12.4 | 12.9 |
| STEEL CREEK PARK SNO | 10100 | 02/27 | - | 13.2 | 10.7 | 12.8 |
| STILLWATER CAMP | 8550 | 02/22 | 42 | 8.8 | 7.1 | 8.6 |
| STRAWBERRY DIVIDE | 8400 | 03/02 | 52 | 15.9 | 11.8 | 17.0 |
| STRAWBERRY DIVIDE SN | 8400 | 02/27 | - | 15.2 | 12.2 | 18.6 |
| STUART R.S. | 7950 | 02/25 | 22 | 6.5 | 5.2 | 7.4 |
| SUSC RANCH | 8200 | 02/27 | 18 | 5.0 | 9.4 | 7.7 |
| TALL POLES | 8800 | 02/27 | 30 | 7.5 | 11.0 | 12.2 |
| THAYNES CANYON | 9200 | 03/03 | 67 | 18.2 | 12.2 | 17.9 |
| THAYNES CANYON SNOTL | 9200 | 02/27 | - | 18.3 | - | 17.9 |
| THISTLE FLAT | 8500 | | | | 11.1 | 13.8 |
| TIMPANOGOS DIVIDE | 8140 | 02/22 | 52 | 16.6 | 9.2 | 22.0 |
| TIMPANOGOS DIVIDE SN | 8140 | 02/27 | - | 17.0 | 8.4 | 21.1 |
| TONY GROVE LAKE | 8400 | 02/21 | 90 | 30.6 | 23.3 | 30.9 |
| TONY GROVE LK SNOTEL | 8400 | 02/27 | - | 31.3 | 20.6 | 31.6 |
| TONY GROVE R.S. | 6250 | 02/21 | 35 | 9.7 | 8.9 | 11.1 |
| TRIAL LAKE | 9960 | 02/21 | 62 | 15.4 | 13.2 | 20.6 |
| TRIAL LAKE SNOTEL | 9960 | 02/27 | - | 18.3 | 15.3 | 21.2 |
| TROUT CREEK | 9400 | 02/22 | 37 | 9.1 | 6.0 | 8.5 |
| TROUT CREEK SNOTEL | 9400 | 02/27 | - | 8.8 | 5.5 | 8.1 |
| UPPER JOES VALLEY | 8900 | 02/25 | 31 | 7.4 | 6.6 | 9.6 |
| VERNON CREEK | 7500 | 03/01 | 24 | 6.8 | 7.1 | 10.1 |
| VERNON CREEK SNOTEL | 7500 | 02/27 | - | 5.6 | 6.5 | 9.8 |
| VIPONT | 7670 | 02/27 | 43 | 13.0 | 8.1 | 13.4 |
| WEBSTER FLAT | 9200 | 02/24 | 34 | 9.7 | 11.6 | 15.0 |
| WEBSTER FLAT SNOTEL | 9200 | 02/27 | - | 10.7 | 11.7 | 12.4 |
| WHITE RIVER #1 | 8550 | 02/25 | 32 | 9.2 | 9.3 | 11.9 |
| WHITE RIVER #1 SNOTE | 8550 | 02/27 | - | 9.1 | 9.0 | 12.7 |
| WHITE RIVER #3 | 7400 | 02/25 | 28 | 8.2 | 7.7 | 7.9 |
| WIDTSOE-ESCALANTE #3 | 9500 | 02/24 | 30 | 7.3 | 10.2 | 9.4 |
| WIDTSOE #3 SNOTEL | 9500 | 02/27 | - | 6.6 | 9.2 | 9.7 |
| WRIGLEY CREEK | 9000 | 02/25 | 31 | 7.5 | 6.8 | 9.8 |
| YANKEE RESERVOIR | 8700 | 02/23 | 26 | 5.7 | 9.0 | 8.0 |



United States
Department of
Agriculture

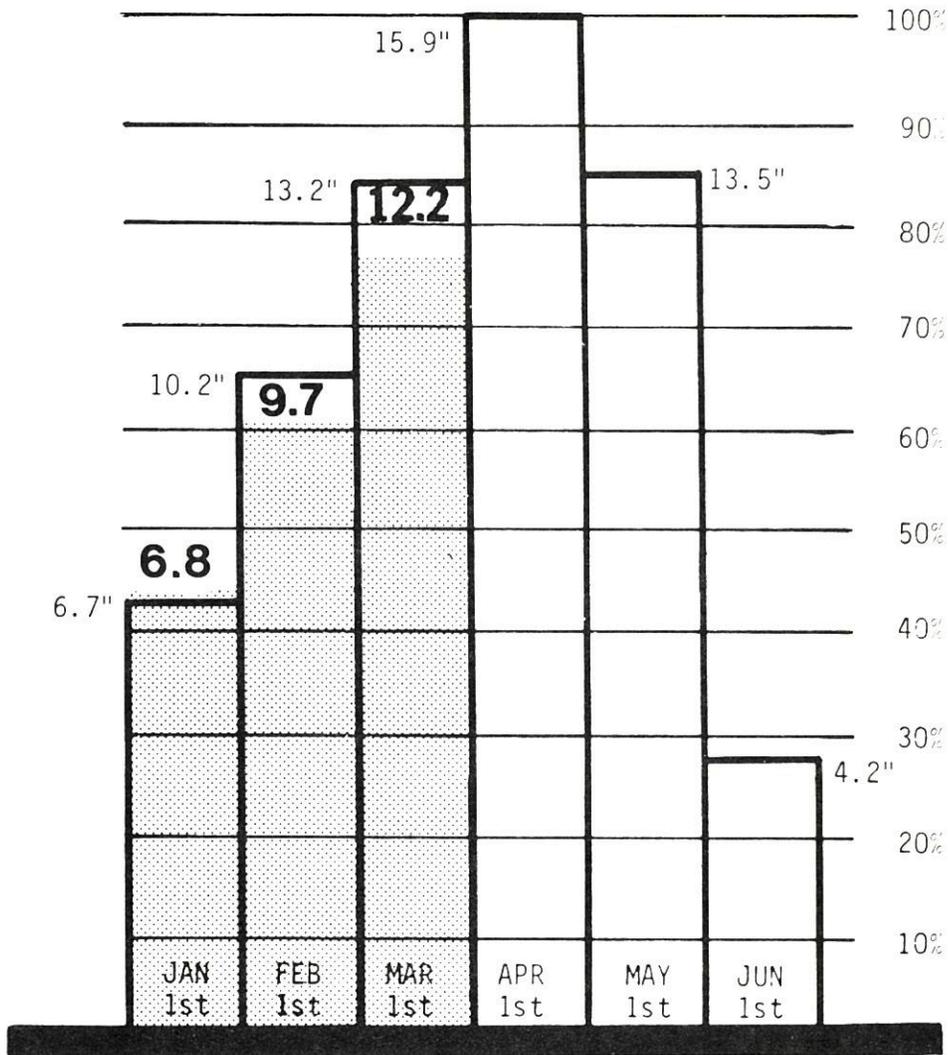
**Soil
Conservation
Service**

Salt Lake City,
Utah



Utah Snowpack Progress

1989



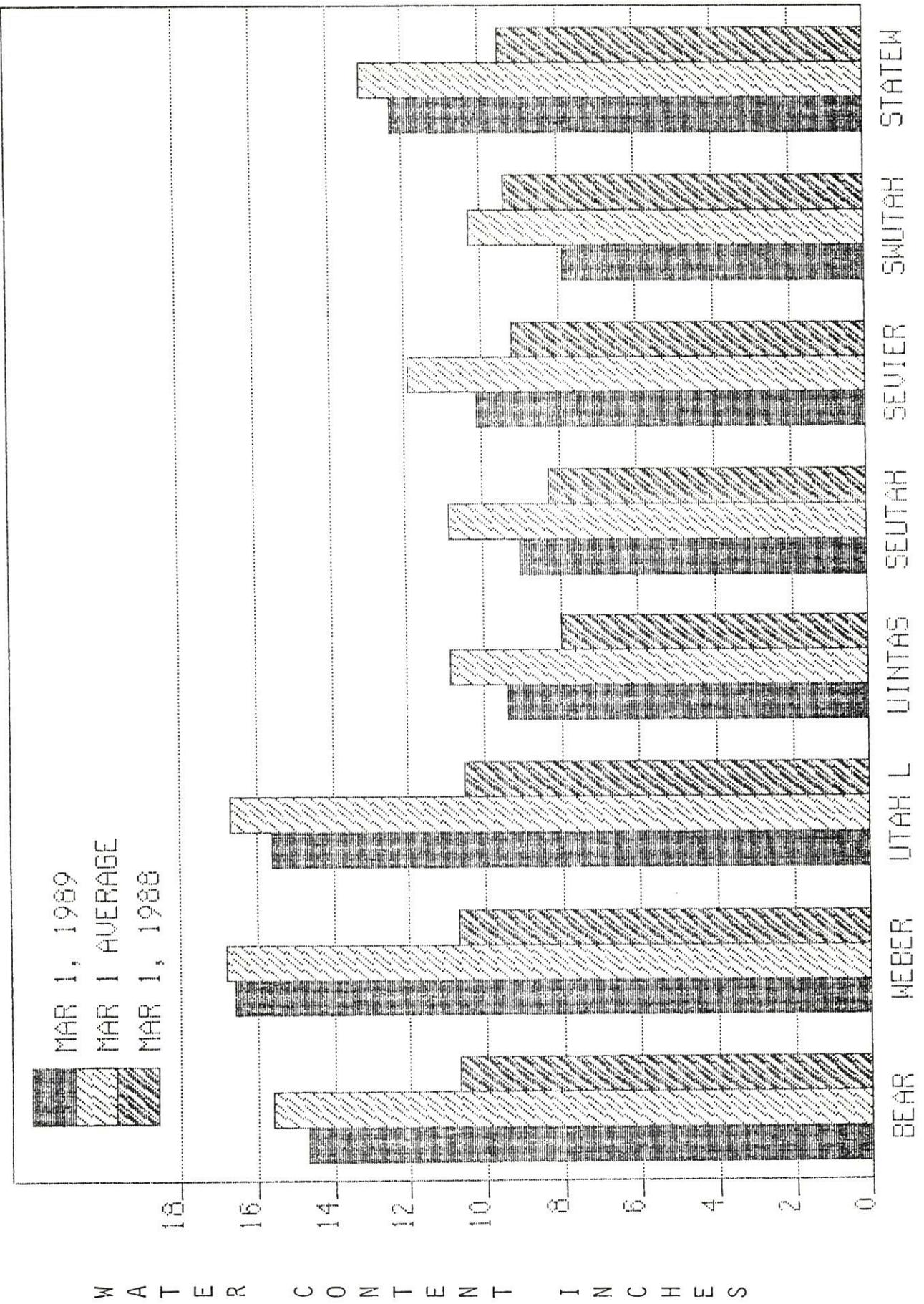
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



MARCH 1, 1989

Utah - Water Supply Outlook



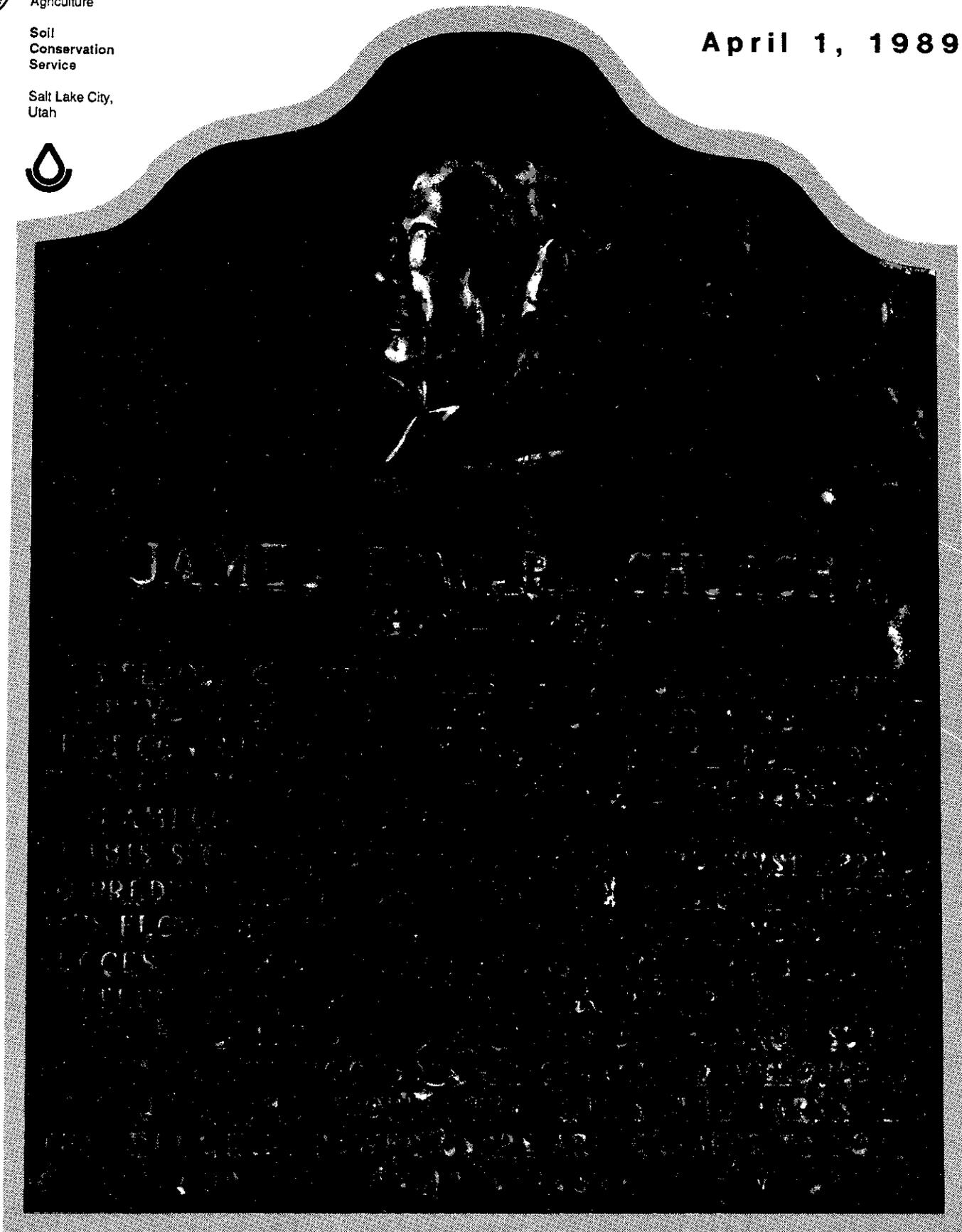
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



April 1, 1989



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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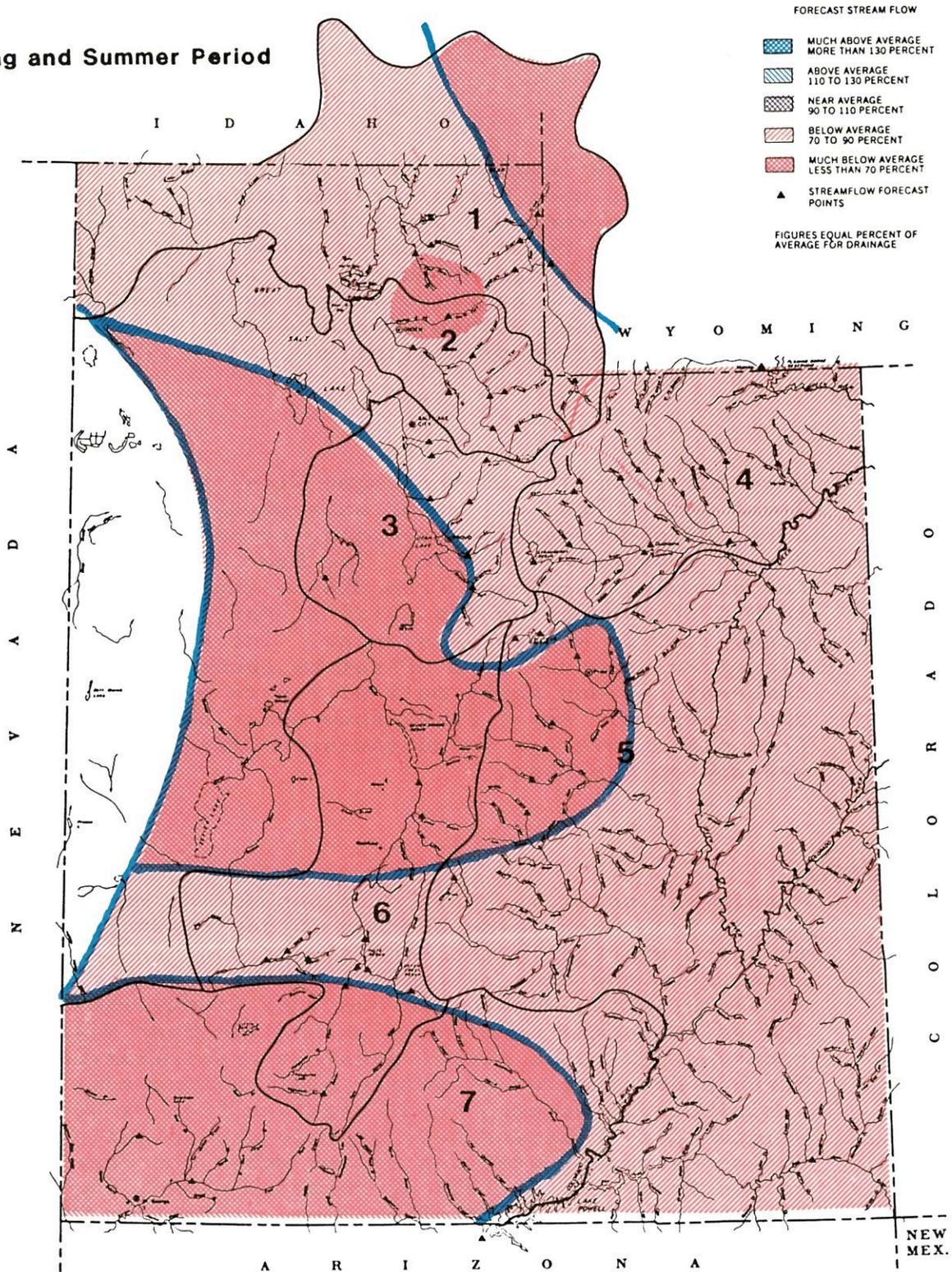
Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, handicap, marital status or national origin.

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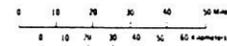
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
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GENERAL OUTLOOK

SUMMARY

March snowpack increases were much below average even in areas with near normal precipitation. Southwestern Utah actually recorded a net loss in snow water during March as a result of below normal precipitation and above normal temperature. The early loss of snow water will have a negative impact on streamflow this irrigation season without the advent of timely and substantial spring precipitation.

SNOWPACK

With the exception of the Logan River and Blacks Fork River watersheds, all major watersheds in the State suffered a decrease in snowpack, compared to average, during the month of March. The Bear River watershed for example, decreased from 95% on the first of March to 91% of average on the first of April even though precipitation was above average. Increases to high elevation snowpack were offset by above average temperatures and early melt at low to mid-elevation snow courses. April first snow water content ranges from 41% of average in southwestern Utah to 91% of average on the Bear.

PRECIPITATION

Precipitation at mountain stations during March ranged from much below average in southwestern Utah to below average in the central and southeastern watersheds and near average in northern Utah. East Garfield, Kane, Washington and Iron County received 38% below normal precipitation and the Bear River received 32% above normal mountain precipitation. March precipitation at valley stations was similarly distributed. Wasatch Front stations from Provo to Brigham City received near average precipitation during March and stations on the Weber and Bear ranged from 120% to 175% of normal. Logan, for example, received 168% of average rainfall in March. March totals were near to somewhat below normal elsewhere at valley stations.

Water year accumulations (October through March) are below to much below average over the majority of the State at both mountain and valley locations. Some exceptions are on the Bear and Weber River drainages where seasonal totals are running 20% to 40% above normal at some sites.

RESERVOIRS

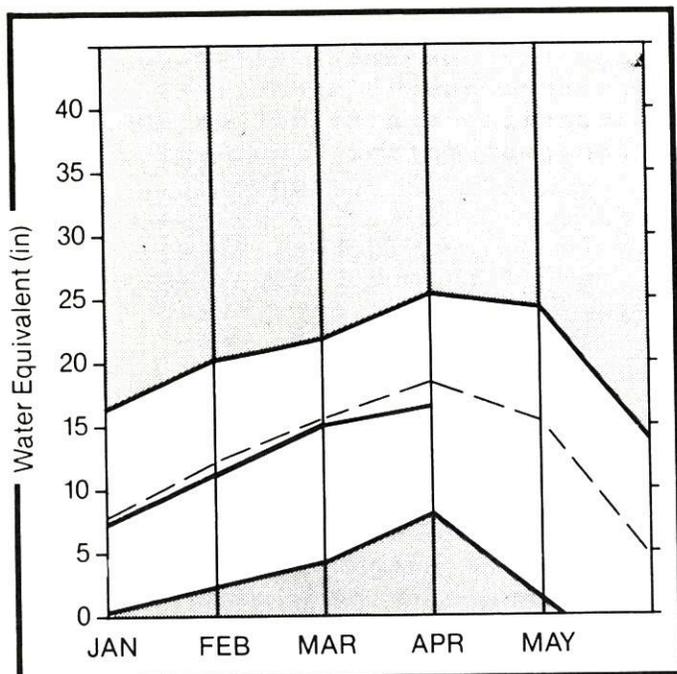
Twenty-five key irrigation reservoirs in Utah are holding stored water at 3% above normal total accumulated reserves. Vernon, Gunnison, Otter Creek, Piute, Sevier Bridge and Starvation are full or above 95% of capacity as of the end of March. Last year, these same 25 reservoirs were at 83% of capacity. This year, they have combined storage of only 73% of capacity. Normally at the end of March, these reservoirs would be holding 71% of their capacity. Below normal streamflow projections on some reservoirs, Pineview and East Canyon for example, may preclude filling this season.

STREAMFLOW

Abnormally high temperatures and below normal precipitation in most areas produced meager increases and, in some cases, a net decrease in snow water equivalent during March. Early loss of water stored in the snowpack coupled with below normal rainfall has resulted in the reduction of April through July streamflow projections for most forecast points. Forecast reductions as high as 30%, compared to average, have been necessary. Spring and summer flow projections now range from 46% of average on the Santa Clara near Pine Valley to 99% on the San Juan near Bluff.

Bear River Basin

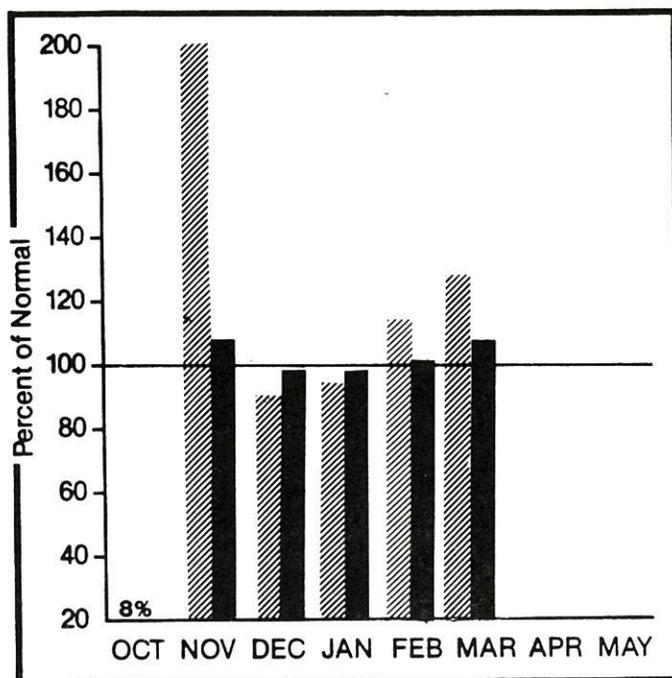
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Despite abundant precipitation in March, early snowmelt resulting from above normal temperatures inhibited overall snowpack accumulation leaving snow water content at 91% of average at month's end. Mountain precipitation was 132% of the March average bringing water year accumulation to 108% of average. Streamflow forecasts generally declined from last month by as much as ten percentage points due to below average snowpack increases. Area reservoir storage is only 87% of average and 61% of capacity.

For more information contact your local
 Soil Conservation Service Office:
 Tremonton Field Office 801-257-5403
 Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | MET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|---------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BEAR RIVER near UT-WY Stateline | APR-JUL | 95 | 82 | 102 | 88 | 124 | 60 | 116 |
| BEAR near Woodruff | APR-JUL | 100 | 67 | 120 | 82 | 177 | 24 | 150 |
| WOODRUFF CREEK near Woodruff | APR-JUL | 13.5 | 78 | 14.2 | 12.8 | 17.5 | 9.5 | 17.3 |
| BIG CREEK near Randolph | APR-JUL | 4.2 | 79 | 4.7 | 3.7 | 7.0 | 1.4 | 5.3 |
| BEAR near Randolph | APR-JUL | 67 | 53 | 82 | 52 | 133 | 1.5 | 126 |
| SMITHS FORK near Border | APR-SEP | 66 | 70 | | | 150 | 22 | 123 |
| THOMAS FORK near Stateline | APR-SEP | 26 | 70 | 28 | 23 | 37 | 11.9 | 37 |
| BEAR RIVER near Harer | APR-SEP | 205 | 66 | 215 | 193 | 330 | 78 | 310 |
| BEAR RIVER blw Stewart Dam | APR-SEP | 166 | 56 | 175 | 154 | 240 | 92 | 298 |
| CUB RIVER near Preston | APR-JUL | 43 | 92 | 46 | 40 | 53 | 33 | 47 |
| LITTLE BEAR RIVER near Paradise | APR-JUL | 32 | 70 | 36 | 28 | 49 | 15.1 | 46 |
| LOGAN RIVER near Logan | APR-JUL | 95 | 78 | 104 | 86 | 118 | 72 | 122 |
| BLACKSMITH FORK near Hyrum | APR-JUL | 41 | 80 | 45 | 38 | 57 | 25 | 51 |

| RESERVOIR STORAGE | | (1000AF) | | | WATERSHED SNOWPACK ANALYSIS | | | |
|-------------------|------------------|-----------------------|-----------|--------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| BEAR LAKE | 1421.0 | 869.0 | 1064.7 | 1002.1 | BEAR RIVER, UPPER IN UTAH | 6 | 123 | 86 |
| HYRUM | 15.3 | 10.9 | 15.3 | 12.2 | BEAR RIVER, LOWER IN UTAH | 10 | 136 | 91 |
| PORCUPINE | | NO REPORT | | | BEAR R. DRAINAGE IN UTAH | 15 | 133 | 89 |
| WOODRUFF NARROWS | 55.8 | 18.4 | 33.3 | --- | BEAR RIVER, UPPER | 12 | 122 | 88 |
| WOODRUFF CREEK | | NO REPORT | | | BEAR RIVER, LOWER | 19 | 144 | 92 |
| | | | | | BEAR RIVER DRAINAGE | 29 | 136 | 91 |
| | | | | | LOGAN RIVER | 5 | 132 | 91 |
| | | | | | RAFT RIVER | 4 | 150 | 97 |
| | | | | | BEAR RIVER BASIN | 35 | 137 | 91 |

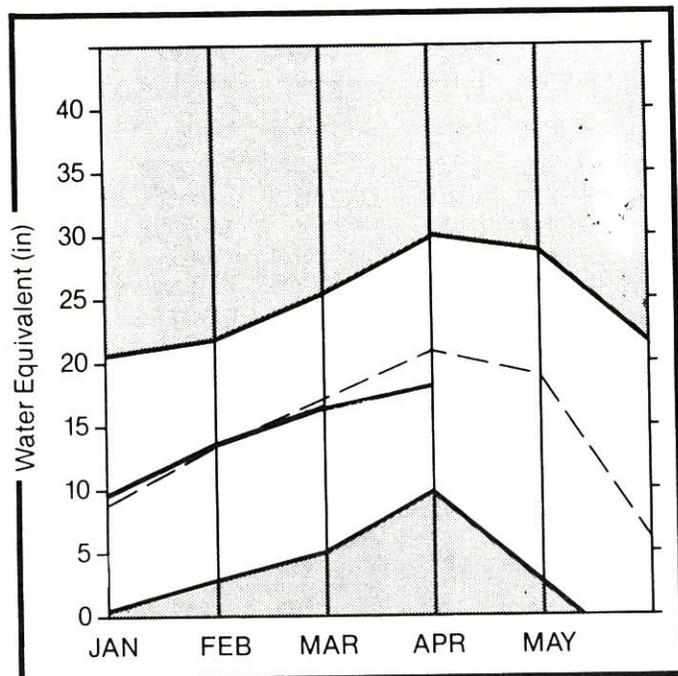
MET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Weber & Ogden Watersheds

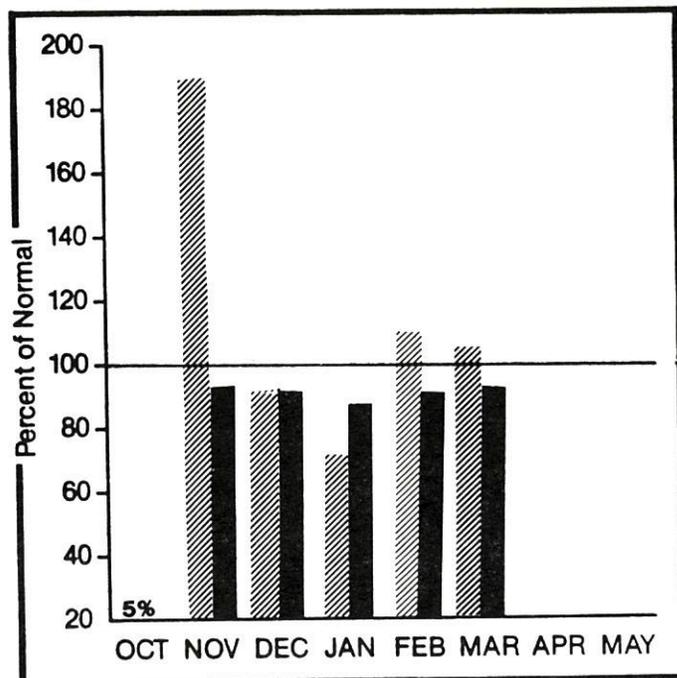
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snow water content on the Weber River watershed increased only about one-half as much as usual during March. Measurements taken the last week of March indicate only 90% of normal snow water. This is almost 50% greater than last year, however. Precipitation at mountain stations was above average in March. Water year precipitation is still slightly below average. Forecasts of spring and summer streamflow remained unchanged or slightly declined from last month. Reservoir storage is above average for this time of year but only three-fourths of the available capacity is filled.

For more information contact your local
 Soil Conservation Service Office:
 Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SMITH AND MOOREHOUSE CREEK near Oakl | APR-JUN | 25 | 83 | | | 29 | 18.4 | 30 |
| WEBER RIVER near Oakley | APR-JUN | 85 | 79 | 86 | 76 | 100 | 61 | 107 |
| ROCKPORT RESERVOIR inflow | APR-JUN | 86 | 72 | 87 | 75 | 112 | 50 | 120 |
| CHALK CREEK near Coalville | APR-JUN | 30 | 73 | | | 39 | 22 | 41 |
| WEBER RIVER near Coalville | APR-JUN | 91 | 72 | 92 | 78 | 120 | 66 | 127 |
| ECHO RESERVOIR inflow | APR-JUN | 123 | 75 | 123 | 112 | 160 | 90 | 163 |
| LOST CREEK near Croyden | APR-JUN | 13.0 | 83 | | | 17.7 | 8.3 | 15.6 |
| EAST CANYON CREEK near Morgan | APR-JUN | 19.0 | 66 | | | 27 | 13.2 | 29 |
| HARDSCRABBLE CREEK near Porterville | APR-JUN | 15.0 | 82 | 17.0 | 12.8 | 23 | 6.9 | 18.4 |
| WEBER RIVER at Gateway | APR-JUN | 225 | 69 | | | 280 | 169 | 328 |
| SOUTH FORK OGDEN RIVER near Huntsvil | APR-JUN | 40 | 69 | 46 | 34 | 52 | 27 | 58 |
| PINEVIEW RESERVOIR inflow | APR-JUN | 82 | 67 | 93 | 71 | 104 | 60 | 122 |
| WHEELER CREEK near Huntsville | APR-JUN | 4.5 | 71 | 4.9 | 4.1 | 5.6 | 3.4 | 6.3 |
| FARMINGTON CREEK near Farmington | APR-JUL | 7.3 | 89 | 8.0 | 6.6 | 10.9 | 3.7 | 8.2 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|--------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY : | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| CAUSEY | 7.1 | 3.3 | 4.2 | 2.6 | OGDEN RIVER | 4 | 156 | 91 |
| EAST CANYON | 48.1 | 37.7 | 36.5 | 36.6 | WEBER RIVER | 17 | 145 | 89 |
| ECHO | 73.9 | 59.2 | 62.2 | 49.5 | WEBER & OGDEN WATERSHEDS | 21 | 147 | 90 |
| LOST CREEK | 20.0 | 16.6 | 17.9 | 13.3 | | | | |
| PINEVIEW | 110.1 | 65.3 | 47.3 | 55.6 | | | | |
| ROCKPORT | 60.9 | 37.5 | 33.0 | 30.9 | | | | |
| WILLARD BAY | 165.5 | 138.0 | 139.6 | 125.3 | | | | |

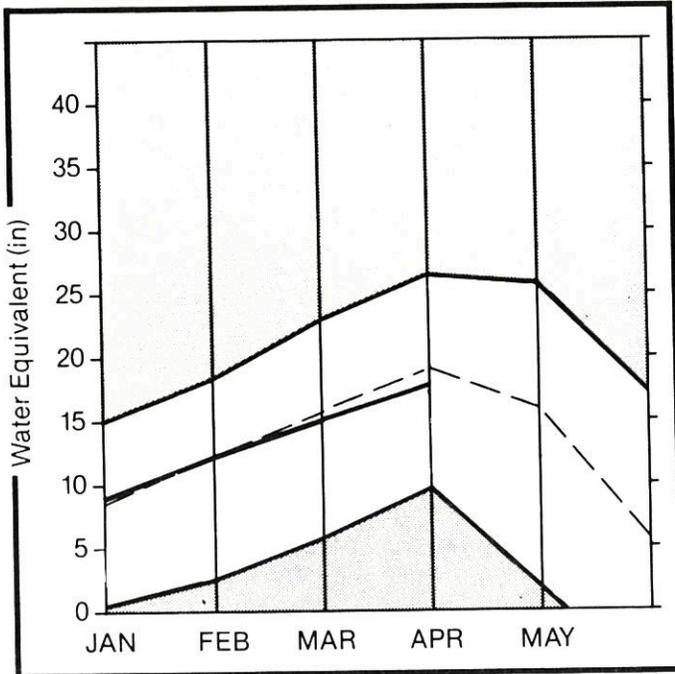
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Utah Lake, Jordan River & Tooele Valley

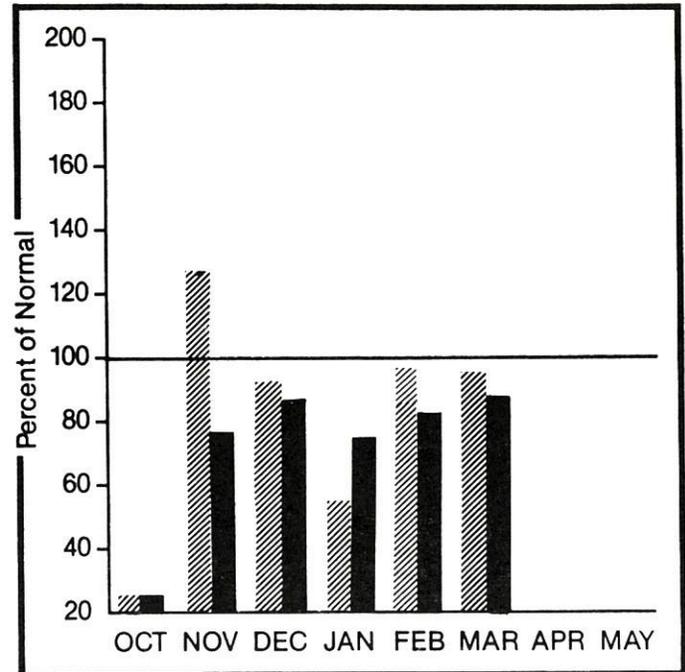
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Slightly below normal mountain precipitation and above average temperature resulted in less than half of the normal snow water equivalent increase in March. Snow water content at month's end was only 83% of the April first average. Water year precipitation accumulation is 85% of normal as of the end of March. Forecasts of streamflow for this irrigation season generally remained the same or decreased from levels forecast last month and now range from 57% to 90% of average given normal precipitation and temperature through July. Stored water in basin reservoirs is 98% of average.

For more information contact your local
 Soil Conservation Service Office:
 Midvale Field Office 801-524-4373
 Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SALT CREEK near Nephi | APR-JUL | 10.3 | 76 | | | 20 | 0.6 | 13.5 |
| PAYSON CREEK near Payson | APR-JUL | 5.0 | 68 | | | | | 7.3 |
| SPANISH FORK near Castilla | APR-JUL | 50 | 63 | | | | | 80 |
| HOBBLE CREEK near Springville | APR-JUL | 17.0 | 73 | | | | | 23 |
| PROVO near Hailstone | APR-JUL | 95 | 84 | | | 115 | 67 | 113 |
| PROVO below Deer Creek Dam | APR-JUL | 100 | 75 | | | 128 | 71 | 133 |
| AMERICAN FORK near American Fk. | APR-JUL | 25 | 74 | | | 30 | 22 | 34 |
| UTAH LAKE inflow | APR-JUL | 200 | 68 | | | 285 | 129 | 295 |
| LITTLE COTTONWOOD CRK near SLC | APR-JUL | 36 | 88 | | | 41 | 33 | 41 |
| BIG COTTONWOOD CRK near SLC | APR-JUL | 35 | 90 | | | 39 | 30 | 39 |
| PARLEY'S CREEK near SLC | APR-JUL | 14.0 | 82 | | | 19.8 | 10.4 | 17.0 |
| MILL CREEK near SLC | APR-JUL | 5.5 | 80 | | | 7.4 | 4.3 | 6.9 |
| EMIGRATION CREEK near SLC | APR-JUL | 3.5 | 76 | | | | | 4.6 |
| CITY CREEK near SLC | APR-JUL | 7.0 | 78 | | | 8.4 | 5.8 | 9.0 |
| VERNON CREEK near Vernon | APR-JUN | 0.7 | 58 | | | 1.3 | 0.1 | 1.2 |
| SETTLEMENT CREEK near Tooele | APR-JUL | 1.3 | 57 | | | 2.2 | 0.5 | 2.3 |
| SOUTH WILLOW CREEK near Grantsville | APR-JUL | 2.0 | 67 | 2.2 | 1.8 | 3.5 | 0.5 | 3.0 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ++ USEABLE STORAGE ++ | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| DEER CREEK | 149.6 | 117.1 | 127.8 | 97.9 | PROVO RIVER & UTAH LAKE | 10 | 115 | 74 |
| GRANTSVILLE | 3.3 | 2.5 | 2.4 | — | PROVO RIVER | 5 | 133 | 72 |
| SETTLEMENT CREEK | 1.0 | 0.9 | 0.9 | 0.6 | JORDAN RIVER & GREAT SALT | 13 | 148 | 91 |
| STRAWBERRY-ENLARGED | 951.4 | 552.5 | 480.7 | — | TOOELE & VERNON W.S.'S | 5 | 101 | 66 |
| UTAH LAKE | 855.5 | 689.0 | 822.7 | 722.9 | UTAH L.-JORDAN R.-TOOELE | 28 | 129 | 82 |
| VERNON CREEK | 0.6 | 0.6 | 0.6 | 0.5 | | | | |

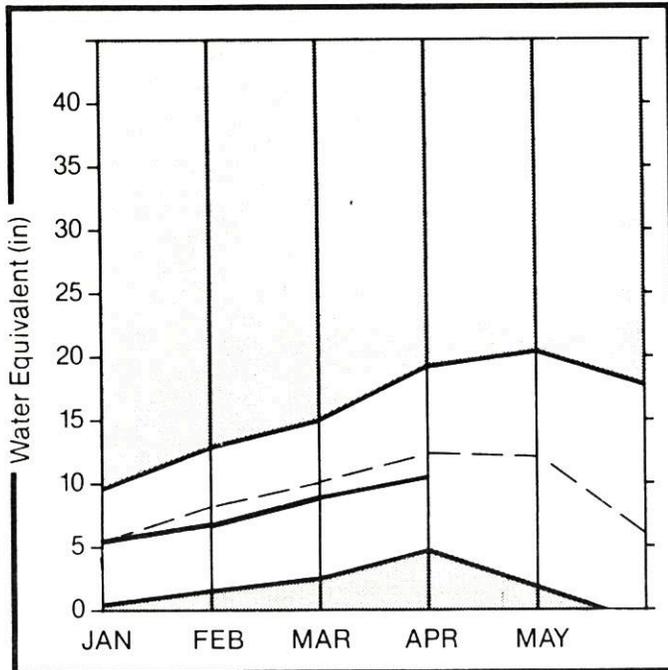
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Uintah Basin & Dagget SCD's

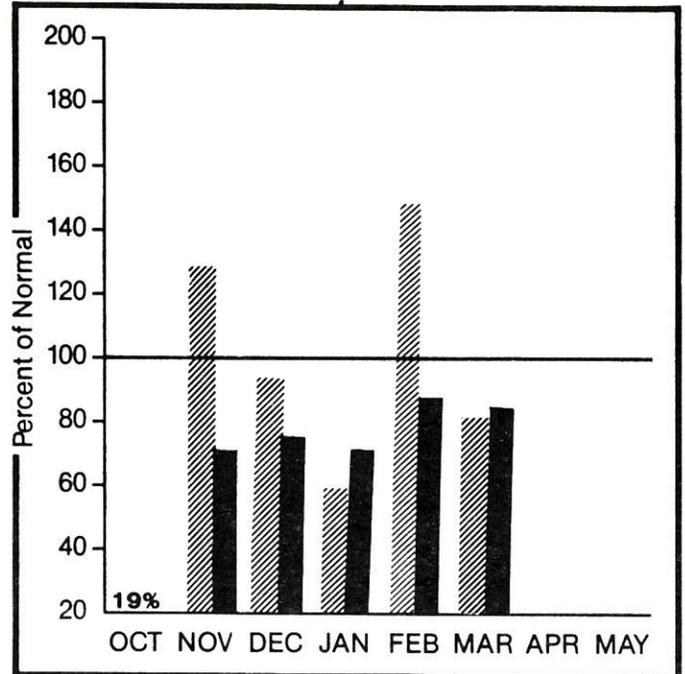
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Normally 2.4 inches of water is added to the snowpack in the Uintas during March. This March, however, only 1.4 inches of additional water was added leaving the snowpack at only 81% of average at the end of the month. Mountain precipitation stations received only 82% of average March precipitation which brings the water year accumulation to 85% of normal. Stream-flow forecasts for Uinta Mountain streams now range from 72% to 91% of average (a decrease of 5% to 10% from last month, generally). Stored water supplies in area reservoirs is 123% of the average volume which is 81% of capacity.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

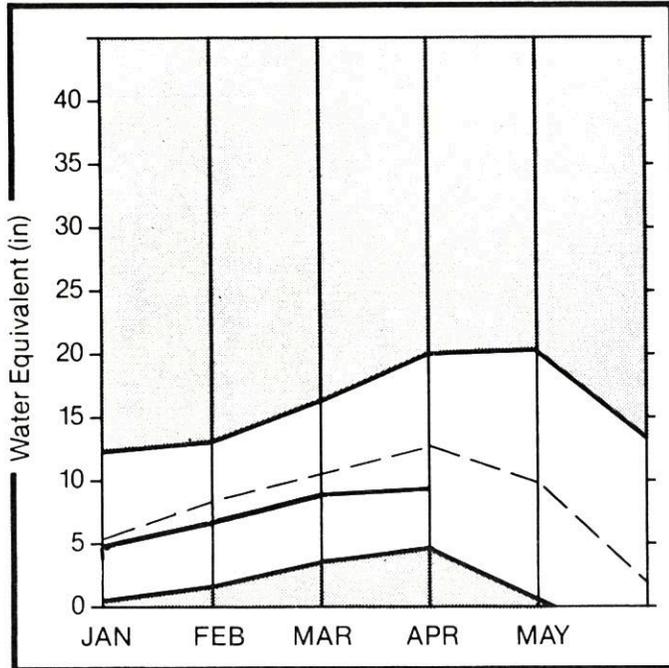
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BLACK'S FORK nr Millburne | APR-JUL | 66 | 90 | 94 | 77 | 118 | 59 | 96 |
| EF SMITHS FORK inf to State Line Res | APR-JUL | 26 | 87 | 30 | 23 | 36 | 17.6 | 30 |
| HENRY'S FORK nr Manila 2 | APR-JUL | 37 | 82 | 54 | 24 | 61 | 13.1 | 45 |
| GREEN RIVER nr Greendale 2 | APR-JUL | 1080 | 85 | | | 1350 | 840 | 1267 |
| BIG BRUSH CREEK ab Red Fleet Res | APR-JUL | 18.5 | 93 | | | 23 | 14.9 | 19.8 |
| ASHLEY CREEK nr Vernal 2 | APR-JUL | 46 | 88 | 52 | 40 | 57 | 37 | 52 |
| WEST FORK DUCHESNE RIVER nr Hanna | APR-JUL | 24 | 92 | 27 | 21 | 28 | 20 | 26 |
| DUCHESNE RIVER nr Tabiona | APR-JUL | 90 | 82 | 96 | 87 | 104 | 76 | 110 |
| ROCK CREEK nr Mountain Home | APR-JUL | 80 | 84 | 85 | 76 | 97 | 65 | 95 |
| DUCHESNE RIVER abv Knight Diversion | APR-JUL | 160 | 82 | 170 | 150 | 193 | 133 | 194 |
| STRAWBERRY RIVER inflow to Strawberr | APR-JUL | 50 | 83 | 58 | 42 | 60 | 40 | 60 |
| CURRENT CREEK nr Fruitland 2 | APR-JUL | 19.0 | 83 | 20 | 18.3 | 23 | 15.3 | 23 |
| STRAWBERRY RIVER inflow to Starvatio | APR-JUL | 55 | 82 | | | 66 | 46 | 67 |
| STRAWBERRY RIVER nr Duchesne (natural) | APR-JUL | 100 | 83 | 111 | 90 | 121 | 83 | 121 |
| LAKEFORK RIVER blw Moon Lake 2 | APR-JUL | 63 | 89 | 69 | 57 | 79 | 51 | 71 |
| YELLOWSTONE RIVER nr Altonah | APR-JUL | 55 | 83 | 61 | 50 | 80 | 30 | 66 |
| DUCHESNE RIVER at Myton 2 | APR-JUL | 205 | 75 | 245 | 172 | 275 | 120 | 275 |
| UINTA RIVER nr Neola | APR-JUL | 75 | 85 | 85 | 65 | 110 | 40 | 88 |
| WHITEROCKS RIVER nr Whiterocks | APR-JUL | 51 | 85 | 58 | 44 | 74 | 28 | 60 |
| DUCHESNE RIVER nr Randlett | APR-JUL | 245 | 72 | 305 | 197 | 485 | 102 | 340 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | WATERSHED SNOWPACK ANALYSIS | | |
|---------------------|----------------------------|---------------------------|---------------------------|----------------------|---------------------------|-----------------------------|------------------------------------|----|
| | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVG. | | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| FLAMING GORGE | 3749.0 | 2916.8 | 3019.6 | — | UPPER GREEN RIVER in UTAH | 13 | 102 | 85 |
| MOON LAKE | 35.8 | 11.6 | 24.8 | 18.3 | ASHLEY CREEK | 2 | 132 | 78 |
| RED FLEET | 26.0 | 20.7 | 20.7 | — | BLACK'S FORK RIVER | 3 | 91 | 91 |
| STEINAKER | 33.3 | 19.4 | 30.1 | 22.6 | SHEEP CREEK | 2 | 84 | 91 |
| STARVATION | 165.3 | 159.0 | 162.5 | 114.1 | DUCHESNE RIVER | 16 | 122 | 78 |
| STRAWBERRY-ENLARGED | 951.4 | 552.5 | 480.7 | — | LAKE FORK-YELLOWSTONE CK. | 3 | 123 | 77 |
| | | | | | STRAWBERRY RIVER | 4 | 116 | 76 |
| | | | | | UINTAH-WHITEROCKS RIVERS | 4 | 125 | 83 |
| | | | | | UINTAH BASIN & DAGGET SCD | 29 | 112 | 81 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Carbon, Emery, Wayne, Grand, and San Juan Co.

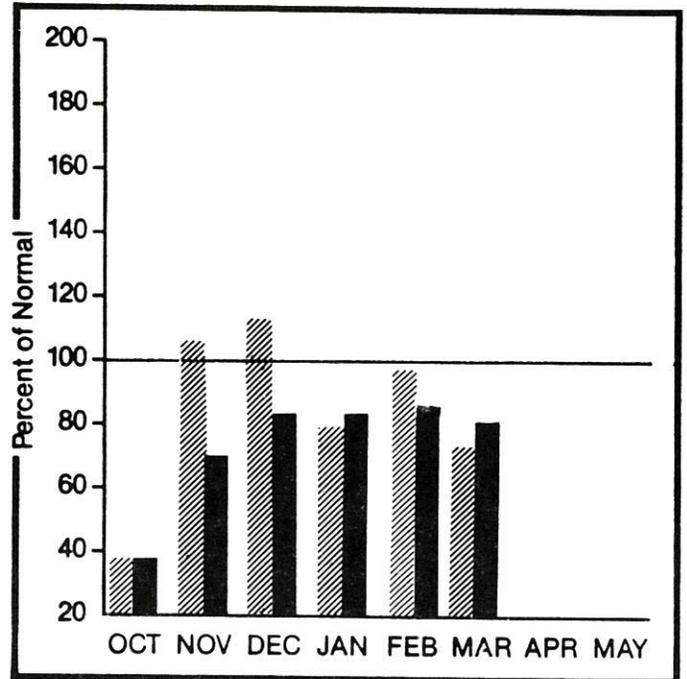
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snow water increased only 18% as much as usual during March across southeastern Utah. Compared to average, snowpack fell anywhere from 4% on the Price River to 47% on the Willow Creek-White River area. Precipitation at mountain stations was only 74% of normal in March bringing water year accumulation down to 81% of average. Forecasts of spring and summer streamflow reflect the early melt and below average precipitation with decreases ranging from 3% to 22% from levels projected last month. Forecasts now range from 64% to 99% of average. Reservoir storage is near average for the end of March.

For more information contact your local
 Soil Conservation Service Office:
 Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

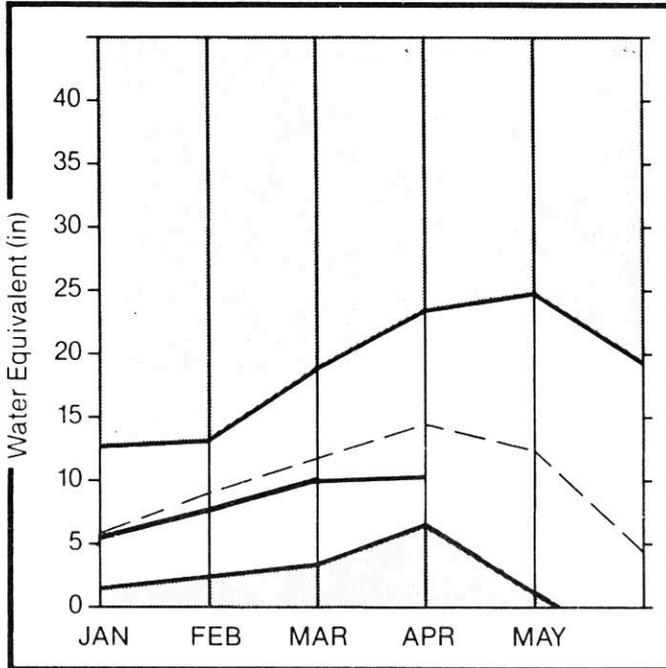
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GOOSEBERRY CREEK nr Scofield | APR-JUL | 8.5 | 71 | | | 11.5 | 5.5 | 12.0 |
| SCOFIELD RESERVOIR inflow | APR-JUL | 32 | 70 | | | 40 | 25 | 46 |
| PRICE RIVER nr Heiner 2 | APR-JUL | 41 | 69 | | | 52 | 33 | 59 |
| GREEN RIVER at Green River, UT 2 | APR-JUL | 2300 | 72 | | | 3000 | 1600 | 3182 |
| HUNTINGTON CREEK inf to Electric Lak | APR-JUL | 10.0 | 66 | | | 12.7 | 8.0 | 15.1 |
| HUNTINGTON CREEK nr Huntington 2 | APR-JUL | 35 | 64 | | | 45 | 28 | 55 |
| COTTONWOOD CREEK nr Orangeville 2 | APR-JUL | 33 | 70 | 36 | 29 | 47 | 18.9 | 47 |
| FERRON CREEK nr Ferron | APR-JUL | 29 | 71 | 31 | 26 | 38 | 19.6 | 41 |
| COLORADO nr Cisco, UT 2 | APR-JUL | 2900 | 84 | | | 3930 | 2040 | 3443 |
| MILL CREEK nr Moab | APR-JUL | 4.5 | 82 | | | 5.8 | 3.2 | 5.5 |
| SEVEN MILE CREEK nr Fish Lake | APR-JUL | 5.0 | 77 | | | 6.6 | 3.4 | 6.5 |
| MUDDY CREEK nr Emery | APR-JUL | 14.0 | 67 | 14.8 | 13.2 | 19.0 | 9.0 | 21 |
| SAN JUAN RIVER nr Archuleta 2 | APR-JUL | 715 | 94 | 800 | 630 | 965 | 500 | 764 |
| SAN JUAN nr Bluff, UT 2 | APR-JUL | 1080 | 99 | | | 1520 | 740 | 1091 |

| RESERVOIR | RESERVOIR STORAGE (1000AF) | | | | WATERSHED | WATERSHED SNOWPACK ANALYSIS | | |
|------------------|----------------------------|------------------------------|------------------------------|-------------------------|---------------------------|-----------------------------|----------------------------|--------------|
| | USEABLE CAPACITY | ++ USEABLE STORAGE THIS YEAR | ++ USEABLE STORAGE LAST YEAR | ++ USEABLE STORAGE AVG. | | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| HUNTINGTON NORTH | 3.9 | 3.6 | 4.0 | 3.8 | PRICE RIVER | 3 | 94 | 81 |
| JOE'S VALLEY | 61.6 | 40.0 | 43.0 | 45.6 | SAN RAFAEL RIVER | 7 | 111 | 73 |
| KEN'S LAKE | 2.3 | 0.6 | 1.1 | — | MUDDY RIVER | 2 | 132 | 69 |
| MILL SITE | 16.7 | 10.2 | 7.0 | 4.6 | FREMONT RIVER | 4 | 90 | 70 |
| SCOFIELD | 65.8 | 34.3 | 42.7 | 33.3 | LASAL MOUNTAINS | 2 | 91 | 79 |
| | | | | | BLUE MOUNTAINS | 2 | 104 | 70 |
| | | | | | WILLOW CREEK - WHITE RIVE | 3 | 98 | 66 |
| | | | | | SOUTHEASTERN UTAH | 22 | 100 | 72 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Sevier & Beaver River Basins

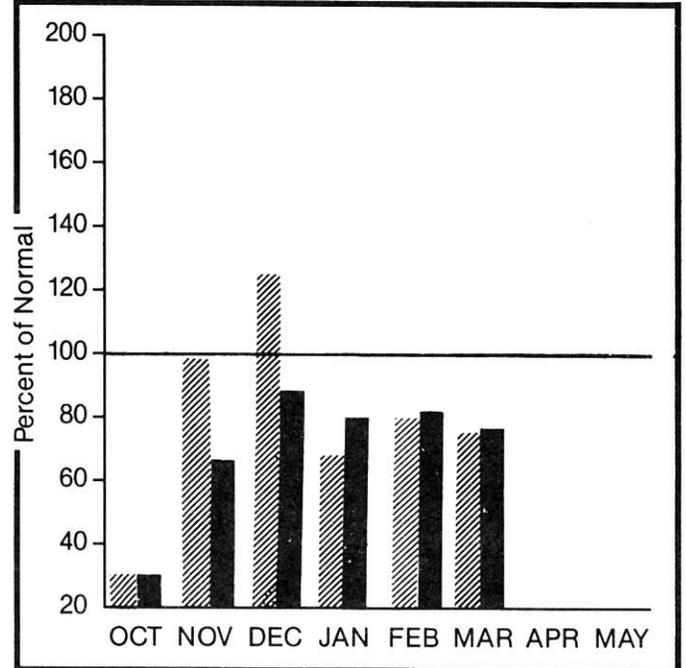
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water content on the Sevier River watershed suffered a net loss in March compared to a normal increase of nearly three inches. The South Fork recorded the greatest loss with snow water content changing from 87% of average on March first to 48% on April first. Mountain precipitation during March was 23% below average. Precipitation for the water year has now fallen to 79% of average. Streamflow forecasts generally decreased from last month due to the early melt and below average precipitation. Reservoir storage is very good at 159% of average and 97% of capacity.

For more information contact your local
 Soil Conservation Service Office:
 Richfield Field Office 801-896-6261
 Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SEVIER at Hatch | APR-JUL | 33 | 63 | | | 49 | 21 | 52 |
| SEVIER near Circleville | APR-JUL | 33 | 75 | | | | | 44 |
| SEVIER near Kingston | APR-JUL | 23 | 68 | | | 36 | 11.1 | 34 |
| ANTIMONY CREEK near Antimony | APR-JUL | 6.3 | 71 | | | | | 8.9 |
| E F SEVIER near Kingston | APR-JUL | 20 | 83 | | | 34 | 12.3 | 24 |
| SEVIER blw Piute Dam | APR-JUL | 38 | 68 | | | 62 | 22 | 56 |
| CLEAR CREEK near Sevier | APR-JUL | 16.5 | 75 | | | | | 22 |
| SIGURD to GUNNISON | APR-JUL | 31 | 70 | | | 53 | 17.8 | 44 |
| KINGSTON to VERMILLION DAM | APR-JUL | 14.0 | 74 | | | | | 18.9 |
| VERMILLION DAM to GUNNISON | APR-JUN | 25 | 62 | | | | | 40 |
| SALINA CREEK at Salina | APR-JUN | 12.0 | 66 | | | | | 18.2 |
| PLEASANT CREEK near Pleasant | APR-JUL | 8.0 | 70 | | | | | 11.5 |
| EPHRAIM CREEK near Ephraim | APR-JUL | 16.0 | 64 | | | | | 25 |
| SEVIER nr Gunnison | APR-JUL | 65 | 66 | | | | | 99 |
| CHICKEN CREEK near Levan | APR-JUL | 2.2 | 63 | | | 3.2 | 1.2 | 3.5 |
| OAK CREEK near Oak City | APR-JUL | 0.8 | 50 | | | 1.5 | 0.4 | 1.6 |
| CHALK CREEK near Fillmore | APR-JUL | 9.0 | 55 | 12.9 | 5.2 | 13.9 | 4.2 | 16.4 |
| BEAVER RIVER near Beaver | APR-JUL | 19.5 | 72 | 21 | 18.1 | 30 | 9.0 | 27 |
| NORTH CREEK near Beaver (combined) | APR-JUL | 12.0 | 82 | 14.6 | 9.4 | 23 | 1.5 | 14.6 |
| MINERSVILLE RESERVOIR inflow | APR-JUN | 10.0 | 70 | | | 16.3 | 3.7 | 14.3 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|--------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY : | ++ USEABLE STORAGE ++ | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNNISON | 20.3 | 20.3 | 20.3 | 16.3 | U SEVIER (s of Richfield) | 11 | 93 | 54 |
| MINERSVILLE (RkyFd) | 26.0 | 22.4 | 21.8 | 14.3 | EAST FORK SEVIER RIVER | 4 | 100 | 68 |
| OTTER CREEK | 52.7 | 52.9 | 52.7 | 35.8 | SOUTH FORK SEVIER RIVER | 7 | 89 | 48 |
| PIUTE | 71.8 | 71.6 | 71.8 | 46.2 | LOWER SEVIER RIVER | 13 | 93 | 76 |
| SEVIER BRIDGE | 236.0 | 228.6 | 233.0 | 136.2 | BEAVER RIVER | 3 | 95 | 78 |
| PANQUITCH LAKE | 22.3 | 19.5 | 19.8 | — | SEVIER & BEAVER R. BASINS | 27 | 93 | 69 |

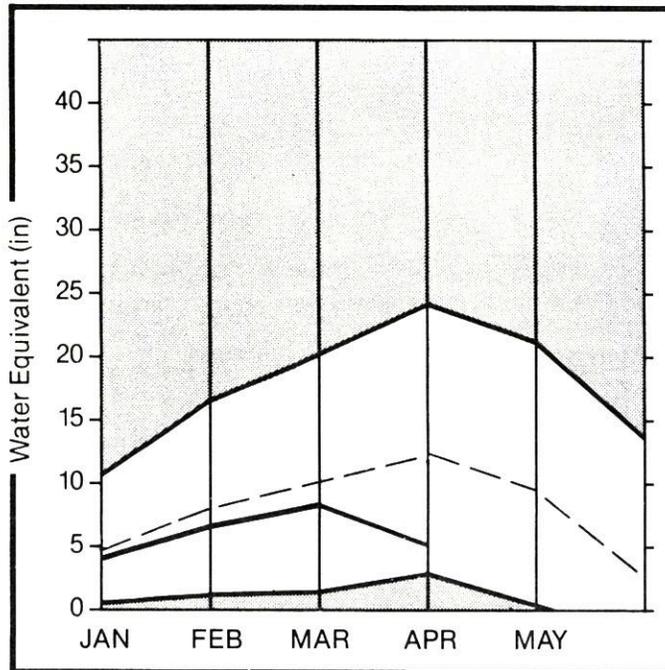
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

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(2) - Corrected for upstream diversions or changes in reservoir storage.

E. Garfield, Kane, Washington, & Iron Co.

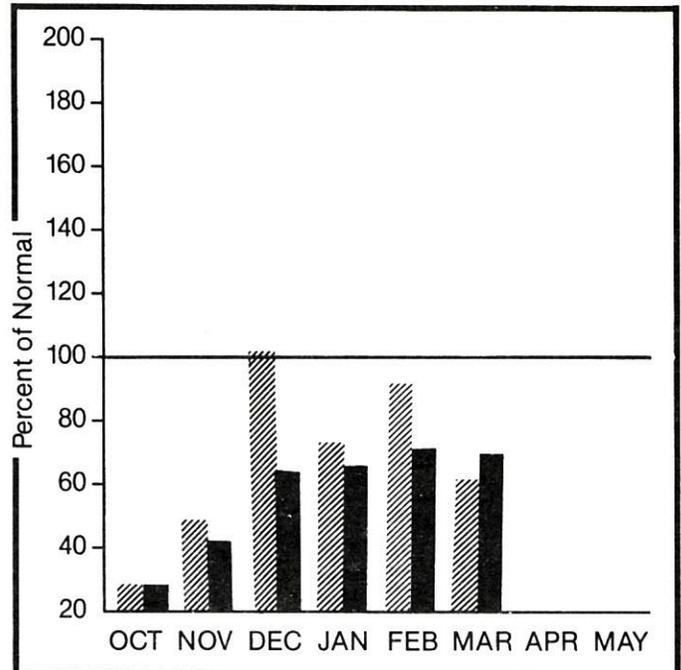
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

April first water content on the watersheds of southwestern Utah is the lowest it has been since 1977. A loss of three inches in water content from the first of March to the first of April was recorded this year rather than the normal increase of more than two inches. March precipitation at mountain stations was almost 40% below normal. Accumulation of precipitation for the water year is now only 69% of average. Streamflow forecasts have declined another 5% to 10% from last month following the third straight month of below normal precipitation. The Enterprise reservoirs are still only holding about 12% of their cumulative capacity and Gunlock is down to 83% of capacity.

For more information contact your local
 Soil Conservation Service Office:
 Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | MET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| COAL CREEK near Cedar City | APR-JUL | 12.0 | 60 | | | 17.4 | 7.6 | 20 |
| COLORADO RIVER inf to Lake Powell 2 | APR-JUL | 6500 | 80 | 7550 | 5450 | 8600 | 4720 | 8086 |
| VIRGIN near Hurricane | APR-JUN | 35 | 51 | | | 58 | 13.2 | 68 |
| SANTA CLARA near Pine Valley | APR-JUN | 2.3 | 46 | | | | | 5.0 |

| RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | | |
|----------------------------|------------------|-----------------------|-----------|-----------------------------|---------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNLOCK | 10.4 | 8.6 | --- | --- | VIRGIN RIVER | 5 | 88 | 49 |
| LAKE POWELL | 25002.0 | 0.0 | 22171.0 | --- | PAROMAN | 4 | 50 | 42 |
| QUAIL CREEK | | NO REPORT | | | ENTERPRISE TO NEW HARMONY | 2 | 0 | 0 |
| UPPER ENTERPRISE | 10.0 | 0.9 | --- | --- | COAL CREEK | 3 | 84 | 46 |
| LOWER ENTERPRISE | 2.6 | 0.6 | --- | --- | ESCALANTE RIVER | 2 | 62 | 55 |
| | | | | | SOUTHWESTERN UTAH | 12 | 66 | 41 |

MET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

SNOW MEASUREMENT DATA

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ALTA CENTRAL | 8800 | 03/27 | 88 | 36.3 | 26.3 | 39.4 |
| ASHLEY TWIN LAKES | 10500 | 03/31 | 45 | 13.0 | 8.5 | 17.4 |
| ATWOOD LAKE | 10840 | 03/31 | 42 | 11.8 | 6.5 | 12.0 |
| ATWOOD LAKE SNOTEL | 10840 | 03/27 | - | 8.7 | 6.7 | 11.6 |
| BEAVER CREEK DIVIDE | 8280 | 03/23 | 27 | 8.4 | 5.9 | 12.2 |
| BEAVER DIVIDE SNOTL | 8280 | 03/27 | - | 8.1 | 5.9 | 12.6 |
| BEAVER DAMS | 8000 | 03/28 | 18 | 8.1 | 8.9 | 12.1 |
| BEAVER DAMS SNOTEL | 8000 | 03/27 | - | 5.4 | 11.3 | 12.1 |
| BEN LOMOND PEAK | 8000 | 03/24 | 91 | 39.7 | 22.5 | 39.3 |
| BEN LOMOND PK SNOTL | 8000 | 03/27 | - | 44.2 | 21.0 | 42.8 |
| BEN LOMOND TRAIL | 6000 | 03/24 | 37 | 15.7 | 10.4 | 18.8 |
| BEN LOMOND TR SNOTL | 6000 | 03/27 | - | 21.0 | 11.1 | 20.8 |
| BEVAN'S CABIN | 6450 | 03/30 | 21 | 7.5 | 9.8 | 12.1 |
| BIG FLAT | 10290 | 03/27 | 50 | 15.5 | 16.5 | 19.2 |
| BIG FLAT SNOTEL | 10290 | 03/27 | - | 15.9 | 16.4 | 19.2 |
| BIRCH CROSSING | 8100 | 03/30 | 0 | 0.0 | 3.0 | 6.7 |
| BLACK'S FLAT-U.M. CK | 9400 | 03/28 | 23 | 8.4 | 8.8 | 11.5 |
| BLACK FLAT-U.M. CK S | 9400 | 03/27 | - | 7.4 | 7.8 | 11.4 |
| BLACK'S FORK | 9200 | 03/28 | - | 10.1E | 7.9 | 14.2 |
| BLACK'S FORK GS-EF | 9340 | 03/23 | 29 | 8.2 | 9.0 | 9.7 |
| BLACK'S FORK JUNCTN | 8930 | 03/23 | 29 | 9.8 | 9.9 | 9.5 |
| BOX CREEK | 9300 | 03/28 | 34 | 11.9 | 11.1 | 14.1 |
| BOX CREEK SNOTEL | 9300 | 03/27 | - | 13.4 | 13.3 | 15.6 |
| BRIAN HEAD | 10000 | 03/27 | 44 | 13.7 | 20.1 | 21.7 |
| BRIGHTON | 8750 | 03/29 | 67 | 24.5 | 17.8 | 30.6 |
| BRIGHTON SNOTEL | 8750 | 03/27 | - | 27.1 | 17.2 | 37.6 |
| BRIGHTON CABIN | 8700 | 03/28 | 66 | 24.6 | 16.8 | 27.3 |
| BROWN DUCK RIDGE | 10600 | 03/24 | 54 | 15.9 | 14.0 | 19.7 |
| BROWN DUCK SNOTEL | 10600 | 03/27 | - | 14.6 | 13.0 | 18.6 |
| BRYCE CANYON | 8000 | 03/30 | 0 | 0.0 | 0.0 | 4.2 |
| BUCK FLAT | 9800 | 03/28 | 38 | 14.3 | 11.7 | 17.9 |
| BUCK FLAT SNOTEL | 9800 | 03/27 | - | 16.7 | 13.6 | 19.2 |
| BUCK PASTURE | 9700 | 03/31 | 60 | 16.8 | 11.7 | 16.4 |
| BUCKBOARD FLAT | 9000 | 03/27 | 26 | 9.6 | 8.6 | 13.1 |
| BUG LAKE | 7950 | 03/23 | 53 | 17.1 | 13.6 | 20.4 |
| BUG LAKE SNOTEL | 7950 | 03/27 | - | 19.1 | 17.2 | 23.0 |
| BURT'S-MILLER RANCH | 7900 | 03/23 | 15 | 4.9 | 5.1 | 6.0 |
| CAMP JACKSON | 8600 | 03/27 | - | 8.7E | 9.0 | 13.1 |
| CAMP JACKSON SNOTEL | 8600 | 03/27 | - | 10.4 | 9.0 | 13.1 |
| CASTLE VALLEY | 9580 | 03/27 | 16 | 6.3 | 9.8 | 13.5 |
| CASTLE VALLEY SNOTL | 9580 | 03/27 | - | 10.1 | 13.3 | 15.7 |
| CHALK CREEK #1 | 9100 | 03/23 | 71 | 20.7 | 16.9 | 23.1 |
| CHALK CK #1 SNOTEL | 9100 | 03/27 | - | 25.5 | 20.9 | 24.0 |
| CHALK CREEK #2 | 8200 | 03/23 | 50 | 14.9 | 12.1 | 15.8 |
| CHALK CK #2 SNOTEL | 8200 | 03/27 | - | 18.3 | 14.3 | 16.1 |
| CHALK CREEK #3 | 7500 | 03/23 | 20 | 6.8 | 6.7 | 7.8 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| CHEPETA | 10300 | 03/24 | 39 | 12.0 | 9.8 | 13.5 |
| CHEPETA SNOTEL | 10300 | 03/27 | - | 12.1 | 10.1 | 13.1 |
| CHEPETA-WHITERKS. LK | 10350 | 03/31 | 42 | 13.0 | 10.4 | 15.2 |
| CITY CREEK | 7500 | 03/27 | 62 | 27.5 | 15.4 | 28.3 |
| CLEAR CREEK MEADOWS | 9420 | 03/30 | 77 | 25.6 | 17.0 | 24.1 |
| CLEAR CREEK RIDGE #1 | 9200 | 03/29 | 38 | 15.1 | 15.3 | 19.5 |
| CLEAR CK RIDG #1 SNT | 9200 | 03/27 | - | 18.2 | 14.7 | 19.1 |
| CLEAR CREEK RIDGE #2 | 8000 | 03/29 | 35 | 12.8 | 12.1 | 14.7 |
| CLEAR CK RIDG #2 SNT | 8000 | 03/27 | - | 14.9 | 11.5 | 15.5 |
| CLEAR CREEK RIDGE #3 | 6600 | 03/29 | 0 | 0.0 | 4.6 | 6.1 |
| CURRANT CREEK | 8000 | 03/24 | 21 | 7.7 | 4.9 | 9.3 |
| CURRANT CREEK SNOTEL | 8000 | 03/27 | - | 11.4 | 7.3 | 11.6 |
| DANIELS-STRAWBERRY | 8000 | 03/24 | 28 | 10.5 | 9.8 | 15.1 |
| DANIELS-STRAWBERRY S | 8000 | 03/27 | - | 14.8 | 15.2 | 18.2 |
| DESERET PEAK | 9250 | 03/30 | - | 20.2E | 11.1 | 27.9 |
| DESERET PEAK AM | 9250 | | | | - | 27.9 |
| DESERET PEAK SNOTEL | 9250 | 03/27 | - | 22.1 | - | 27.9 |
| DILL'S CAMP | 9200 | 03/28 | 22 | 8.4 | 6.1 | 12.8 |
| DILL'S CAMP SNOTEL | 9200 | 03/27 | - | 11.9 | 9.0 | 15.6 |
| DONKEY RESERVOIR | 9800 | 03/28 | 13 | 3.3 | 7.5 | 7.9 |
| DONKEY RESERVOIR SNO | 9800 | 03/27 | - | 4.7 | 6.8 | 7.9 |
| DRY BREAD POND | 8350 | 03/23 | 44 | 15.0 | 11.4 | 19.5 |
| DRY BREAD POND SNOTL | 8350 | 03/27 | - | 28.4 | 18.3 | 22.9 |
| DUCK CREEK R.S. | 8700 | 03/27 | - | 5.2E | 4.1 | 14.2 |
| EAST SHINGLE LAKE | 9800 | 03/31 | 78 | 25.7 | 19.2 | 27.0 |
| EAST WILLOW CREEK | 8250 | 03/31 | 18 | 5.8 | 10.0 | 11.1 |
| EAST WILLOW CREEK SN | 8250 | 03/27 | - | 5.9 | 9.9 | 11.1 |
| FARMINGTON CANYON | 8000 | 03/24 | 81 | 32.6 | 15.8 | 32.9 |
| FARMINGTON CN SNOTEL | 8000 | 03/27 | - | 39.8 | 16.1 | 32.6 |
| FARMINGTON CANYON L. | 6950 | 03/24 | 60 | 27.6 | 13.4 | 25.2 |
| FARNSWORTH LAKE | 9600 | 03/28 | 53 | 18.4 | 18.6 | 20.6 |
| FARNSWORTH LK SNOTEL | 9600 | 03/27 | - | 18.9 | 20.5 | 19.4 |
| FISH LAKE | 8700 | 03/28 | 18 | 7.3 | 6.7 | 8.7 |
| FIVE POINT LAKE | 10920 | 03/31 | 48 | 13.4 | 9.4 | 16.3 |
| FIVE POINTS LAKE SNO | 10920 | 03/27 | - | 15.8 | 10.3 | 13.7 |
| FRANCES FLATS | 6700 | 03/28 | 37 | 16.3 | 9.0 | 17.0 |
| G.B.R.C. HEADQUARTER | 8700 | 03/28 | 41 | 14.5 | 13.2 | 18.3 |
| G.B.R.C. MEADOWS | 10000 | 03/28 | 56 | 18.6 | 18.4 | 25.0 |
| GARDEN CITY SUMMIT | 7600 | 03/23 | 46 | 14.4 | 12.5 | 18.3 |
| GEORGE CREEK | 8840 | 03/30 | 70 | 24.0 | 15.0 | 23.2 |
| GOOSEBERRY R.S. | 8000 | 03/28 | 27 | 10.8 | 11.6 | 12.8 |
| GOOSEBERRY R.S. SNOT | 8000 | 03/27 | - | 6.4 | 14.2 | 13.4 |
| HARDSCRABBLE | 6700 | 03/24 | 38 | 16.6 | 11.4 | 19.4 |
| HARRIS FLAT | 7700 | 03/27 | 4 | .9 | .0 | 8.7 |
| HARRIS FLAT SNOTEL | 7700 | 03/27 | - | .9 | .0 | 7.9 |
| HAYDEN FORK | 9400 | 03/23 | 44 | 12.2 | 11.5 | 16.0 |
| HAYDEN FORK SNOTEL | 9100 | 03/27 | - | 16.6 | 15.0 | 20.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-------------------------|-------|-------|------------|---------------|-----------|-----------------|
| HENRY'S FORK | 10000 | 03/31 | 45 | 11.7 | 12.0 | 14.0 |
| HEWINTA G.S. | 9500 | 03/24 | 30 | 8.2 | 10.8 | 9.7 |
| HEWINTA SNOTEL | 9500 | 03/27 | - | 10.6 | 13.8 | 9.7 |
| HICKERSON PARK | 9100 | 03/24 | 23 | 7.6 | 10.6 | 7.1 |
| HICKERSON PARK SNOTE | 9100 | 03/27 | - | 6.8 | 9.9 | 7.2 |
| HIDDEN SPRINGS | 5500 | 03/28 | 0 | 0.0 | .0 | 4.3 |
| HOLE-IN-THE-ROCK | 9150 | 03/24 | 17 | 4.8 | 7.9 | 6.1 |
| HOLE-IN-THE-ROCK SNOTEL | 9150 | 03/27 | - | 6.5 | 8.9 | 6.1 |
| HOLE-IN-THE-ROCK GS | 8300 | | | | 5.3 | 2.9 |
| HOBBLE CREEK SUMMIT | 7420 | 03/24 | 33 | 12.3 | 9.8 | 14.8 |
| HORSE RIDGE | 8260 | 03/23 | 54 | 21.0 | 14.1 | 22.3 |
| HORSE RIDGE SNOTEL | 8260 | 03/27 | - | 24.4 | 16.4 | 24.9 |
| HUNTINGTON-HORSESHOE | 9800 | 03/28 | 58 | 20.7 | 18.4 | 26.1 |
| INDIAN CANYON | 9100 | 03/29 | 28 | 8.7 | 9.5 | 13.5 |
| INDIAN CANYON SNOTEL | 9100 | 03/27 | - | 9.2 | 9.3 | 12.9 |
| JOHNSON VALLEY | 8850 | 03/28 | 15 | 5.8 | 4.6 | 7.5 |
| KILFOIL CREEK | 7300 | 03/23 | 43 | 14.2 | 9.7 | 14.8 |
| KILLYON CANYON | 6300 | 03/27 | 8 | 3.3 | 1.9 | 2.8 |
| KIMBERLY MINE (UPPER) | 9300 | 03/27 | 35 | 12.9 | 14.9 | 17.1 |
| KIMBERLY MINE SNOTEL | 9300 | 03/27 | - | 11.5 | 14.3 | 19.0 |
| KING'S CABIN (UPPER) | 8730 | 03/24 | 29 | 8.8 | 5.3 | 11.0 |
| KING'S CABIN SNOTEL | 8730 | 03/27 | - | 10.6 | 5.5 | 12.6 |
| KLONDIKE NARROWS | 7400 | 03/24 | 50 | 17.9 | 14.3 | 20.7 |
| KOLOB-CRYSTAL | 9250 | 03/27 | 39 | 14.0 | 16.8 | 23.3 |
| KOLOB SNOTEL | 9250 | 03/27 | - | 15.5 | 19.6 | 24.4 |
| LAKEFORK BASIN | 10900 | 03/31 | 54 | 15.1 | 14.4 | 21.4 |
| LAKEFORK BASIN SNOTE | 10900 | 03/27 | - | 19.9 | 16.5 | 15.7 |
| LAKEFORK MOUNTAIN #1 | 10100 | 03/24 | 34 | 9.5 | 6.8 | 11.7 |
| LAKEFORK #1 SNOTEL | 10100 | 03/27 | - | 10.9 | 8.2 | 11.6 |
| LAKEFORK MOUNTAIN #3 | 8400 | 03/24 | 9 | 3.6 | 2.8 | 6.2 |
| LAMBS CANYON | 7400 | 03/27 | 42 | 16.0 | 11.5 | 16.8 |
| LASAL MOUNTAIN LOWER | 8800 | 03/23 | 20 | 6.8 | 8.4 | 10.1 |
| LASAL MOUNTAIN (UPP) | 9850 | 03/23 | 41 | 14.8 | 15.4 | 17.1 |
| LASAL MOUNTAIN SNOTE | 9850 | 03/27 | - | 8.5 | 12.5 | 16.7 |
| LIGHTNING LAKE | 10500 | 03/31 | 60 | 17.4 | 16.7 | 23.8 |
| LIGHTNING LAKE SNOTE | 10500 | 03/27 | - | 21.6 | 17.7 | 24.4 |
| LILY LAKE | 9050 | 03/23 | 42 | 13.0 | 11.6 | 15.2 |
| LILY LAKE SNOTEL | 9050 | 03/27 | - | 11.8 | 10.9 | 13.8 |
| LITTLE BEAR (LOWER) | 6000 | 03/24 | 21 | 8.4 | 7.3 | 10.2 |
| LITTLE BEAR (UPPER) | 6550 | 03/24 | 22 | 9.4 | 7.0 | 13.2 |
| LITTLE BEAR SNOTEL | 6550 | 03/27 | - | 7.3 | 6.0 | 16.4 |
| LITTLE GRASSY CREEK | 6100 | 03/27 | 0 | 0.0 | .0 | 2.3 |
| LITTLE GRASSY SNOTEL | 6100 | 03/27 | - | 0.0 | .0 | 2.3 |
| LONG FLAT | 8000 | 03/27 | 0 | 0.0 | 4.3 | 7.0 |
| LONG FLAT SNOTEL | 8000 | 03/27 | - | .2 | 3.4 | 7.9 |
| LONG VALLEY JCT. | 7500 | 03/27 | 3 | .7 | .0 | 3.6 |
| LONG VALLEY JCT. SNT | 7500 | 03/27 | - | .3 | .0 | 3.6 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| LOOKOUT PEAK | 8200 | 03/30 | 62 | 25.2 | - | 19.4 |
| LOOKOUT PEAK SNOTEL | 8200 | 03/27 | - | 24.7 | - | 19.4 |
| LOST CREEK RESERVOIR | 6130 | 03/23 | 2 | .8 | .3 | 4.0 |
| MAMMOTH-COTTONWOOD | 8800 | 03/28 | 45 | 18.5 | 17.0 | 22.6 |
| MAMMOTH-COTTONWD SNT | 8800 | 03/27 | - | 18.6 | 16.9 | 22.5 |
| MERCHANT VALLEY (UP) | 8750 | 03/27 | 30 | 9.8 | 9.8 | 11.7 |
| MERCHANT VALLEY SNOT | 8750 | 03/27 | - | 10.6 | 10.0 | 12.1 |
| MIDDLE BEAVER CREEK | 8650 | | | | 5.0 | 5.2 |
| MIDDLE CANYON | 7000 | 03/30 | 23 | 8.7 | 12.0 | 15.0 |
| MIDWAY VALLEY | 9800 | 03/27 | 44 | 14.5 | 16.5 | 23.6 |
| MIDWAY VALLEY SNOTEL | 9800 | 03/27 | - | 17.0 | 21.0 | 23.7 |
| MILL CREEK | 6950 | 03/27 | 54 | 20.6 | 13.2 | 22.0 |
| MILL-D SOUTH FORK | 7400 | 03/27 | 42 | 17.0 | 12.6 | 20.3 |
| MILL-D NORTH | 8960 | 03/30 | 70 | 27.8 | - | 31.0 |
| MILL-D NORTH SNOTEL | 8960 | 03/27 | - | 28.0 | - | 31.0 |
| MINING FORK | 8000 | 03/30 | 53 | 20.0 | - | 30.7 |
| MINING FORK SNOTEL | 8000 | 03/27 | - | 20.5 | - | 30.7 |
| MONTE CRISTO R.S. | 8960 | 03/23 | 68 | 24.2 | 16.3 | 25.8 |
| MONTE CRISTO SNOTEL | 8960 | 03/27 | - | 33.8 | 25.6 | 30.6 |
| MOSBY MOUNTAIN (LOW) | 9500 | 03/24 | 29 | 7.8 | 5.4 | 10.3 |
| MOSBY MTN. SNOTEL | 9500 | 03/27 | - | 8.8 | 7.5 | 11.7 |
| MT. BALDY R.S. | 9500 | 03/28 | 59 | 20.4 | 19.5 | 25.0 |
| MUD CREEK #2 | 8600 | 03/28 | 32 | 10.9 | 11.1 | 13.9 |
| OAK CREEK | 7760 | 03/27 | 25 | 8.0 | 10.6 | 12.5 |
| ONE MILE SUMMIT | 7330 | 03/30 | 10 | 2.6 | 3.8 | 7.7 |
| OTTER LAKE | 9600 | 03/27 | 30 | 10.5 | 11.5 | 14.9 |
| PANQUITCH LAKE | 8200 | 03/27 | 0 | 0.0 | .0 | 4.5 |
| PARADISE PARK | 10100 | 03/24 | 40 | 11.1 | 9.6 | 14.1 |
| PARLEY'S CANYON SUM. | 7500 | 03/27 | 51 | 19.4 | 13.8 | 19.2 |
| PARLEY'S CANYON SNOT | 7500 | 03/27 | - | 16.2 | 12.9 | 20.9 |
| PAYSON R.S. | 8050 | 03/27 | 45 | 16.8 | 15.0 | 19.7 |
| PAYSON R.S. SNOTEL | 8050 | 03/27 | - | 18.7 | 21.3 | 23.7 |
| PICKLE KEG SPRING | 9600 | 03/28 | 36 | 13.5 | 12.6 | 17.2 |
| PICKLE KEG SNOTEL | 9600 | 03/27 | - | 16.1 | 17.1 | 19.1 |
| PINE CANYON | 8000 | 03/23 | 46 | 17.9 | 10.4 | 20.0 |
| PINE CREEK | 8800 | 03/27 | 30 | 11.0 | 17.9 | 17.2 |
| PINE CREEK SNOTEL | 8800 | 03/27 | - | 16.1 | 23.4 | 19.6 |
| REDDEN MINE LOWER | 8500 | 03/23 | 41 | 13.3 | 11.9 | 18.8 |
| RED PINE RIDGE | 9200 | 03/28 | 37 | 13.8 | 13.0 | 18.0 |
| RED PINE RIDGE SNOTE | 9200 | 03/27 | - | 16.7 | 17.5 | 19.5 |
| REES'S FLAT | 7300 | 03/27 | 30 | 10.9 | 10.4 | 13.8 |
| REYNOLDS PARK | 10400 | 03/31 | 44 | 13.6 | 12.7 | 17.7 |
| ROCK CREEK | 7900 | 03/24 | 10 | 3.2 | 1.5 | 6.8 |
| ROCK CREEK SNOTEL | 7900 | 03/27 | - | 7.7 | 5.1 | 6.7 |
| ROCKY BASIN-SETTLEMT | 8900 | 03/30 | 61 | 22.8 | 19.9 | 29.1 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ROCKY BN-SETTLEMT SN | 8900 | 03/27 | - | 18.8 | 17.4 | 24.1 |
| SEELEY CREEK R.S. | 10000 | 03/28 | 42 | 14.7 | 12.9 | 18.2 |
| SEELEY CREEK SNOTEL | 10000 | 03/27 | - | 12.4 | 11.0 | 16.4 |
| SERGEANT LAKES | 8300 | 03/31 | 33 | 9.2 | 7.8 | 18.8 |
| SHINGLE MILL | 6200 | 03/30 | 7 | 2.6 | 10.6 | 9.5 |
| SILVER LAKE (BRIGHT.) | 8730 | 03/28 | 63 | 25.2 | 16.4 | 26.3 |
| SMITH & MOREHOUSE | 7600 | 03/23 | 31 | 10.8 | 8.9 | 13.6 |
| SMITH MOREHOUSE SNTL | 7600 | 03/27 | - | 14.8 | 11.0 | 15.4 |
| SNOWBIRD GAD VALLEY | 9700 | 03/25 | 88 | 32.8 | 23.8 | 34.9 |
| SOAPSTONE R.S. | 7800 | 03/23 | - | 8.9E | 6.7 | 12.1 |
| SPIRIT LAKE | 10300 | 03/24 | 35 | 11.1 | 11.6 | 13.5 |
| SQUAW SPRINGS | 9300 | 03/28 | 15 | 6.1 | 4.3 | 7.6 |
| STEEL CREEK PARK | 10100 | 03/24 | 56 | 14.3 | 16.5 | 16.4 |
| STEEL CREEK PARK SNO | 10100 | 03/27 | - | 15.1 | 14.8 | 16.5 |
| STILLWATER CAMP | 8550 | 03/23 | 33 | 9.6 | 8.7 | 11.0 |
| STRAWBERRY DIVIDE | 8400 | 03/31 | 46 | 17.3 | 14.0 | 19.9 |
| STRAWBERRY DIVIDE SN | 8400 | 03/27 | - | 18.6 | 14.4 | 20.2 |
| STUART R.S. | 7950 | 03/28 | 6 | 2.3 | 2.4 | 8.2 |
| SUSC RANCH | 8200 | 03/30 | 0 | 0.0 | 0.0 | 7.9 |
| TALL POLES | 8800 | 03/30 | 21 | 6.7 | 12.2 | 15.5 |
| THAYNES CANYON | 9200 | 03/31 | 61 | 21.2 | 14.8 | 23.0 |
| THAYNES CANYON SNOTL | 9200 | 03/27 | - | 22.8 | 14.8 | 23.0 |
| THISTLE FLAT | 8500 | 03/28 | 41 | 14.5 | 13.6 | 17.8 |
| TIMPANOGOS DIVIDE | 8140 | 03/24 | 44 | 15.6 | 10.2 | 25.5 |
| TIMPANOGOS DIVIDE SN | 8140 | 03/27 | - | 19.6 | 10.7 | 24.6 |
| TONY GROVE LAKE | 8400 | 03/23 | 104 | 37.6 | 26.0 | 37.1 |
| TONY GROVE LK SNOTEL | 8400 | 03/27 | - | 40.1 | 26.9 | 39.2 |
| TONY GROVE R.S. | 6250 | 03/23 | 31 | 11.1 | 9.2 | 12.1 |
| TRIAL LAKE | 9960 | 03/23 | 67 | 21.4 | 16.2 | 24.7 |
| TRIAL LAKE SNOTEL | 9960 | 03/27 | - | 25.2 | 19.4 | 25.2 |
| TROUT CREEK | 9400 | 03/24 | 29 | 8.6 | 7.9 | 11.2 |
| TROUT CREEK SNOTEL | 9400 | 03/27 | - | 10.6 | 7.4 | 11.6 |
| UPPER JOES VALLEY | 8900 | 03/28 | 19 | 7.3 | 8.1 | 10.9 |
| VERNON CREEK | 7500 | 03/30 | 10 | 3.6 | 9.5 | 10.7 |
| VERNON CREEK SNOTEL | 7500 | 03/27 | - | 4.2 | 9.5 | 12.3 |
| VIPONT | 7670 | 03/30 | 46 | 16.9 | 10.2 | 16.5 |
| WEBSTER FLAT | 9200 | 03/27 | 23 | 8.1 | 10.3 | 18.8 |
| WEBSTER FLAT SNOTEL | 9200 | 03/27 | - | 6.1 | 10.4 | 16.5 |
| WHITE RIVER #1 | 8550 | 03/29 | 30 | 9.9 | 10.8 | 14.0 |
| WHITE RIVER #1 SNOTE | 8550 | 03/27 | - | 11.0 | 12.9 | 14.4 |
| WHITE RIVER #3 | 7400 | 03/29 | 14 | 7.6 | 8.2 | 7.3 |
| WIDTSOE-ESCALANTE #3 | 9500 | 03/28 | 28 | 7.8 | 10.4 | 12.3 |
| WIDTSOE #3 SNOTEL | 9500 | 03/27 | - | 7.6 | 11.8 | 13.0 |
| WRIGLEY CREEK | 9000 | 03/28 | 23 | 8.5 | 7.1 | 11.9 |
| YANKEE RESERVOIR | 8700 | 03/27 | 8 | 2.3 | 9.7 | 10.4 |



United States
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Agriculture

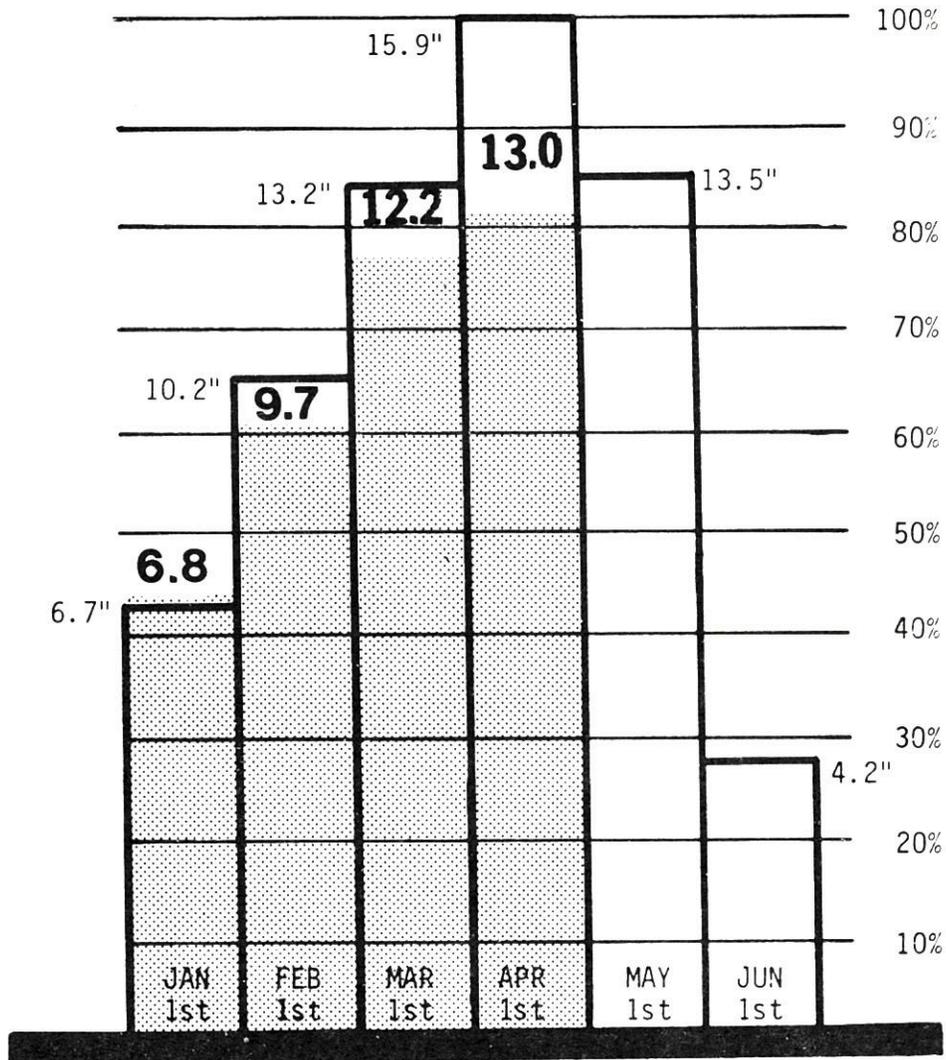
**Soil
Conservation
Service**

Salt Lake City,
Utah



Utah Snowpack Progress

1989



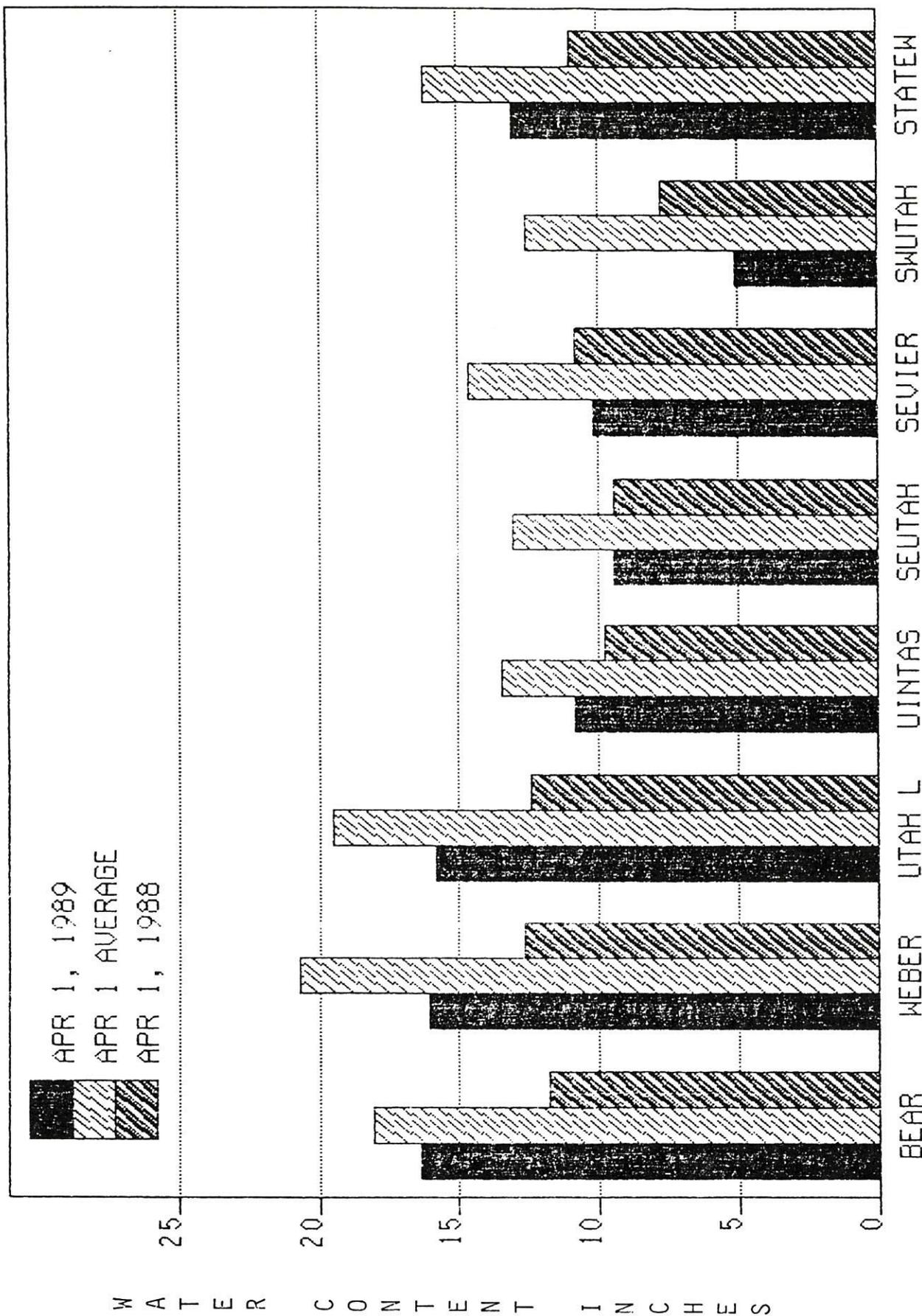
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



APRIL 1, 1989

Utah - Water Supply Outlook



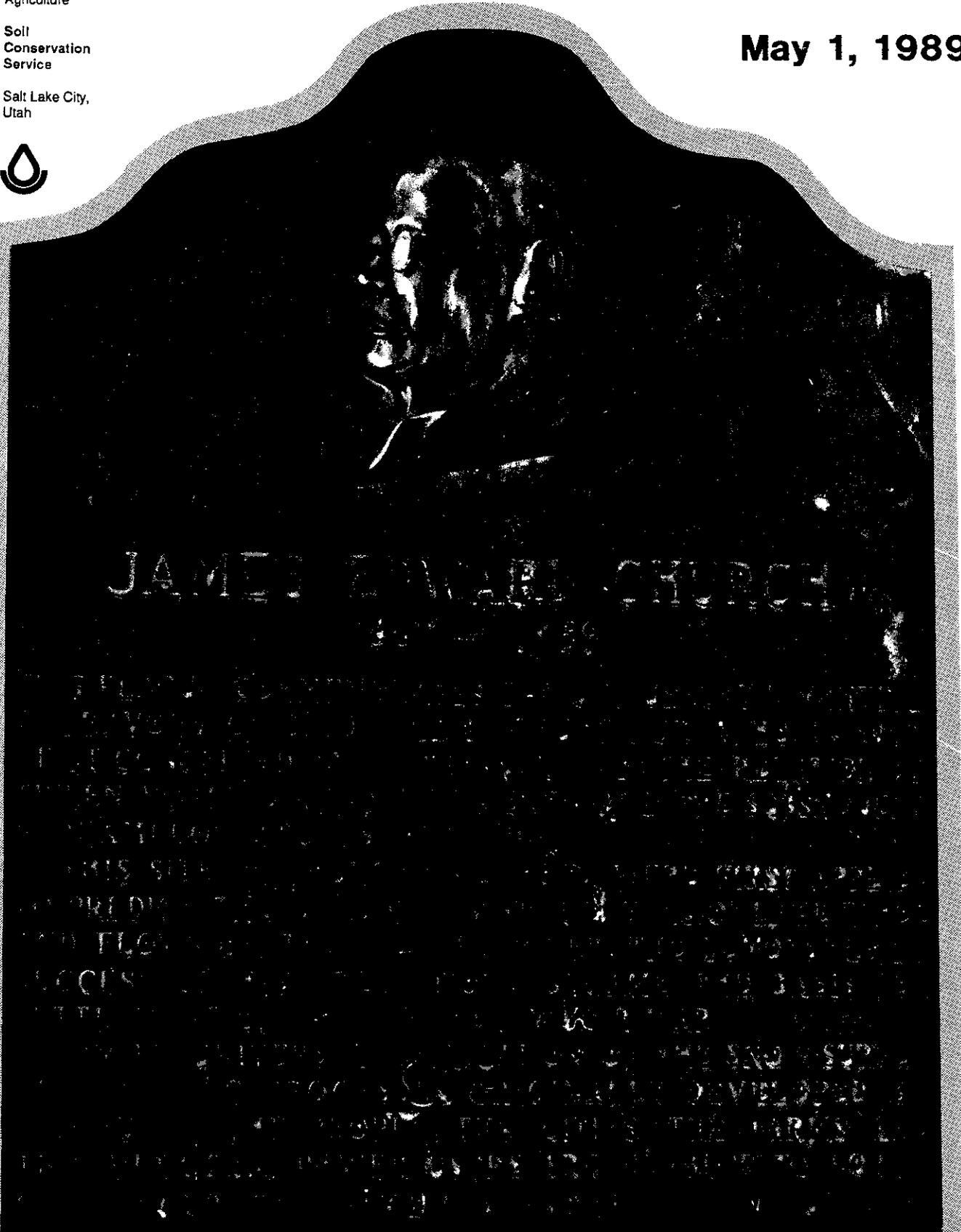
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



May 1, 1989



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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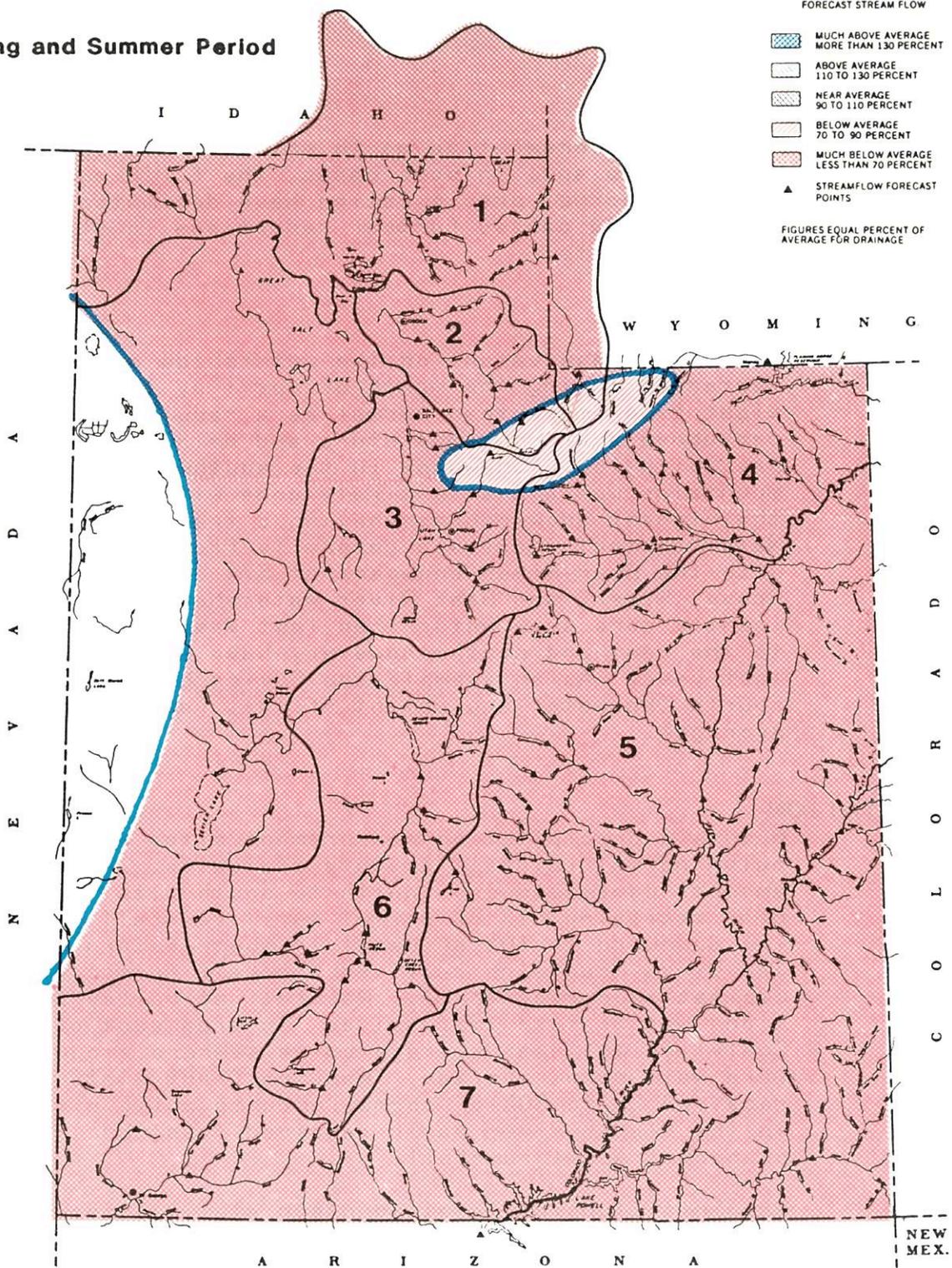
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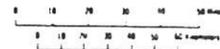
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UINTAH BASIN & DAGGET SCD'S
- 5 CARBON, EMERY, WAYNE, GRAND & SAN JUAN CO.
- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

The second consecutive month of above average temperature and, in some cases, the fifth month of below normal precipitation have decimated the snowpack and caused further reductions in stream-flow forecasts.

SNOWPACK

Snow water equivalent on the watersheds of Utah has decreased during the month of April by three to eight times more than normal as a result of continued above average temperature and below average precipitation. Snowpack in the southwestern Utah mountains was almost entirely gone with only two of the highest snow courses having a trace of snow. Water content increases generally from south to north with the Bear River snowpack at 57% of normal. The Provo, Weber, and Bear River watersheds have significantly more snow water than last year. Watersheds to the east and south, however, have much less than last year. As an example the Sevier has only one-fourth the water equivalent of last year (19% of average).

PRECIPITATION

Mountain precipitation measurement sites received below normal rainfall amounts statewide. Rainfall amounts decreased from north to south with the Bear receiving 81% of normal April rainfall ranging downward to 10% of usual in southwestern Utah. The Uinta Mountains received one-half normal precipitation during April. Rainfall at valley stations was no more impressive. An area east of Coalville was near average but elsewhere amounts were well below average. Wasatch front stations received 25 to 50% of normal amounts while sites in the Virgin River basin received less than 25% of normal April rainfall.

Precipitation totals at mountain stations for the water year (October through April) are below normal everywhere but on the Bear River watershed. Seasonal totals now range from 3% above average on the Bear to 39% below average in southwestern Utah. Valley stations have recorded seasonal totals ranging from 45 to 85% of average for the majority of sites. A couple of notable exceptions are Coalville at 121% and Vernal Airport at 25% of normal for the water year.

RESERVOIRS

Stored reserves in 26 key irrigation reservoirs in Utah are 76% of capacity and 100% of average for the end of April. Above average early streamflows resulting from earlier than normal snowmelt helped increase stored water volumes before major releases were necessary and produced significant improvement in several reservoirs. Deer Creek, Rockport and East Canyon still may not fill entirely but will be close. The Great Salt Lake appears to have peaked in mid-April at 4206.80 feet. The May first reading was 4206.65 feet. The pumps feeding the the West Desert evaporation lake will be deactivated at the end of June.

STREAMFLOW

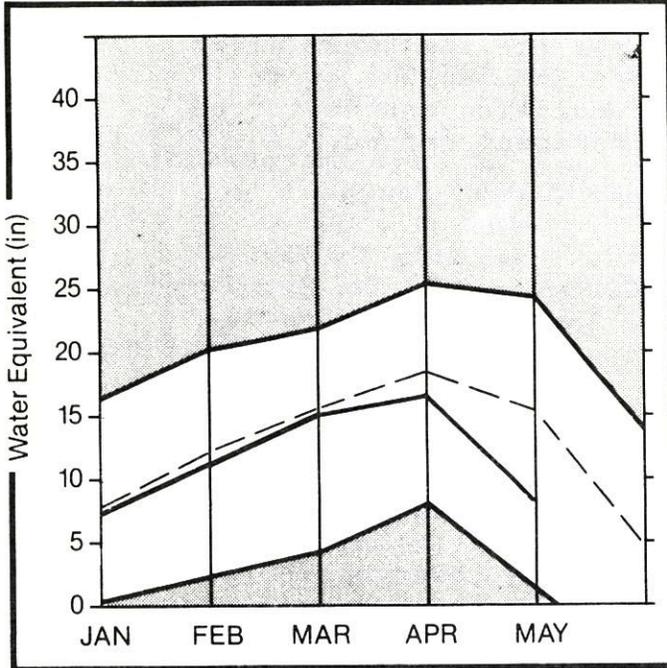
Peak flow occurred as much as a month earlier than usual this season following the early melt. This was helpful in providing storage reserves in reservoirs prior to the irrigation season but will mean low flows earlier in the growing season for those water users relying on natural flow. April flows of 175% of average on the Upper Weber will be followed by May through July flows in the 40 to 45% range for example. Forecasts declined from levels projected last month as a result of light April precipitation and now generally range from one-half to three-fourths of average for the April through July forecast period. May through July flows, however, will only be in the 20 to 45% range. Water managers in southern portions of the State are already looking at use restrictions unless relief in the form of precipitation materializes.

NOTICE

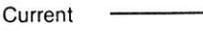
SEE PAGE 25 FOR INFORMATION CONCERNING THE FUTURE OF THIS PUBLICATION.

Bear River Basin

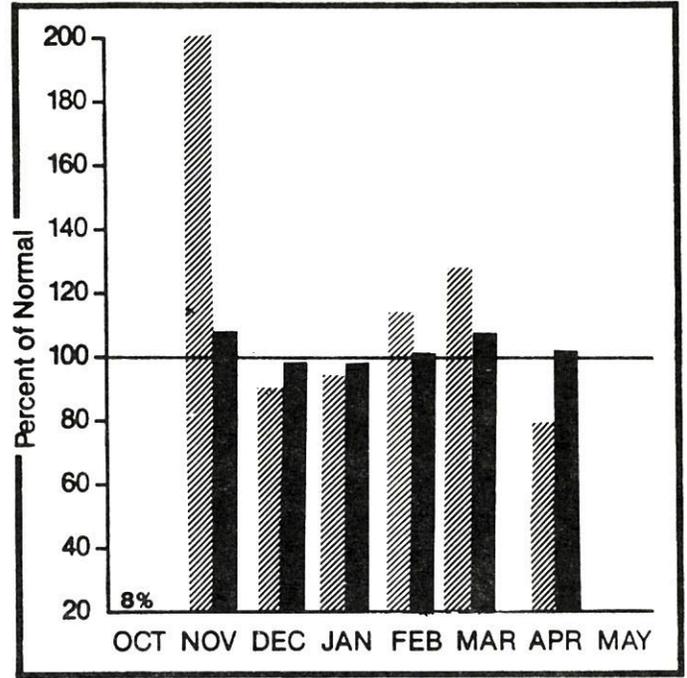
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

April weather continued the above normal temperature pattern begun in March. Mountain precipitation was below average in April. The combination of the above factors led to snowpack losses which exceeded three times normal during the month of April which leaves May first snowpack at 57% of average. Precipitation at mountain stations since the beginning of the water year is now only three percent above average. Streamflow forecasts are for much below average flows this season. Reservoir storage is 85% of average.

For more information contact your local
 Soil Conservation Service Office:
 Tremonton Field Office 801-257-5403
 Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST | MOST | MOST | WET | DRY | REAS. | REAS. | 25 YR. AVG. (1000AF) |
|---------------------------------|----------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|----------------------------|
| | PERIOD | PROBABLE (1000AF) | PROBABLE (% AVG.) | SUBS. (1000AF) | SUBS. (1000AF) | MAX. (1000AF) | MIN. (1000AF) | |
| BEAR RIVER near UT-WY Stateline | APR-JUL | 80 | 89 | 87 | 73 | 108 | 52 | 116 |
| BEAR near Woodruff | APR-JUL | 85 | 57 | 94 | 79 | 157 | 39 | 150 |
| WOODRUFF CREEK near Woodruff | APR-JUL | 11.0 | 64 | 11.5 | 10.5 | 14.5 | 7.5 | 17.3 |
| BIG CREEK near Randolph | APR-JUL | 3.5 | 68 | 3.8 | 3.2 | 6.2 | 1.6 | 5.3 |
| BEAR near Randolph | APR-JUL | 59 | 47 | 68 | 51 | 117 | 26 | 126 |
| SMITHS FORK near Border | APR-SEP | 75 | 61 | | | 132 | 18.4 | 123 |
| THOMAS FORK near Stateline | APR-SEP | 22 | 59 | 24 | 19.8 | 39 | 9.4 | 37 |
| BEAR RIVER near Harer | APR-SEP | 188 | 61 | | | 305 | 70 | 310 |
| BEAR RIVER blw Stewart Dam | APR-SEP | 148 | 50 | | | 220 | 77 | 298 |
| CUB RIVER nr Preston | MAY-JUL | 27 | 59 | 29 | 25 | 44 | 10.4 | 46 |
| LITTLE BEAR RIVER near Paradise | APR-JUL | 30 | 66 | 35 | 26 | 46 | 13.5 | 46 |
| LOGAN RIVER near Logan | APR-JUL | 99 | 74 | 94 | 86 | 112 | 68 | 122 |
| BLACKSMITH FORK near Hyrum | APR-JUL | 35 | 69 | 37 | 34 | 49 | 21 | 51 |

| RESERVOIR STORAGE | | (1000AF) | | | WATERSHED SNOWPACK ANALYSIS | | | |
|-------------------|------------------------|-----------------------|--------------|--------|-----------------------------|-------------------------|-------------------|---------|
| RESERVOIR | USEABLE : CAPACITY: | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| BEAR LAKE | 1421.0 | 896.8 | 1096.0 | 1059.0 | BEAR RIVER, UPPER IN UTAH | 6 | 114 | 48 |
| HYRUM | 15.3 | 15.5 | 15.3 | 13.2 | BEAR RIVER, LOWER IN UTAH | 10 | 151 | 65 |
| PORCUPINE | 11.3 | 11.3 | 7.2 | 9.5 | BEAR R. DRAINAGE IN UTAH | 15 | 139 | 60 |
| WOODRUFF NARROWS | 55.8 | 29.9 | 55.4 | --- | BEAR RIVER, UPPER | 12 | 117 | 56 |
| WOODRUFF CREEK | | NO REPORT | | | BEAR RIVER, LOWER | 13 | 152 | 59 |
| | | | | | BEAR RIVER DRAINAGE | 23 | 194 | 59 |
| | | | | | LOGAN RIVER | 5 | 159 | 76 |
| | | | | | RAFT RIVER | 0 | 0 | 0 |
| | | | | | BEAR RIVER BASIN | 25 | 131 | 57 |

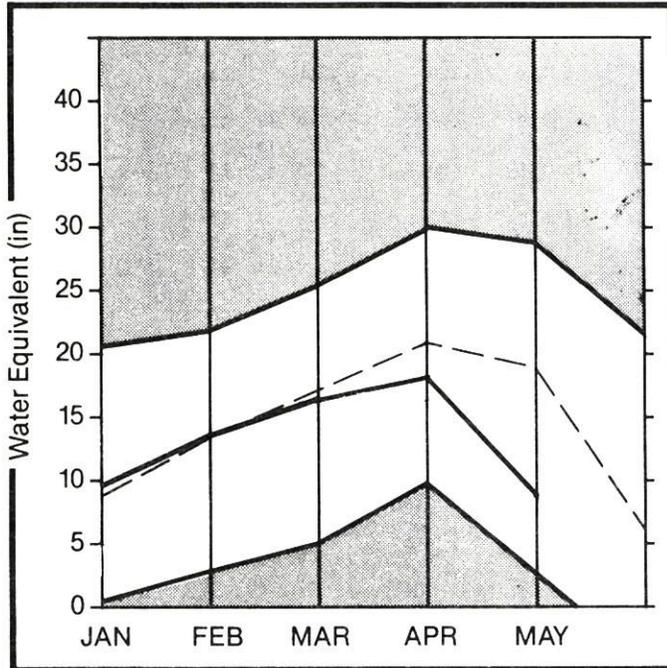
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Weber & Ogden Watersheds

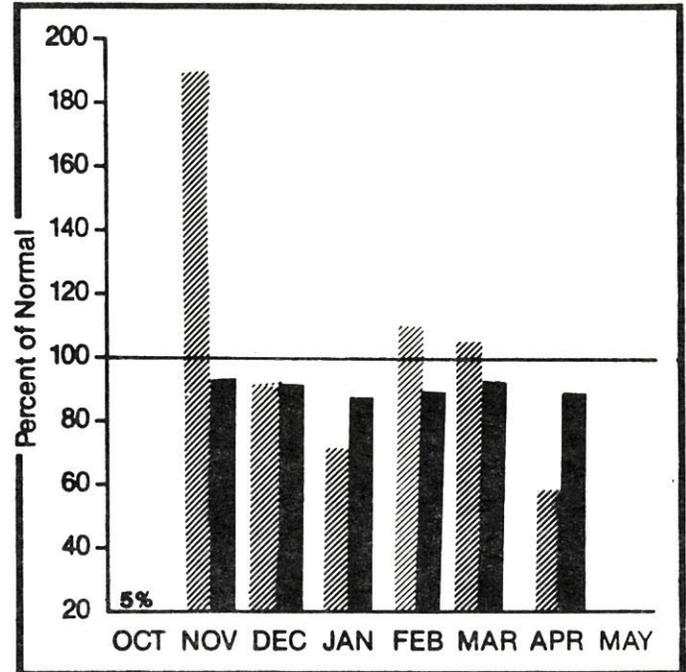
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

The Weber River watershed experienced more than three times normal snow water loss during April leaving May first water content at 51% of average. Above average temperatures during April and precipitation of only 57% of usual at mountain stations led to the unusually heavy decline in the snowpack. Precipitation for the water year is 89% of normal. Streamflow forecasts have been reduced from levels projected last month and now range from 52 to 73% of normal. Reservoir storage is near capacity (93%) and 123% of the end of April average.

For more information contact your local
 Soil Conservation Service Office:
 Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SMITH AND MOOREHOUSE CREEK near Oakl | APR-JUN | 22 | 73 | | | 27 | 17.8 | 30 |
| WEBER RIVER near Oakley | APR-JUN | 76 | 71 | | | 93 | 61 | 107 |
| ROCKPORT RESERVOIR inflow | APR-JUN | 74 | 62 | | | 103 | 48 | 120 |
| CHALK CREEK near Coalville | APR-JUN | 25 | 61 | | | 37 | 15.2 | 41 |
| WEBER RIVER near Coalville | APR-JUN | 78 | 61 | | | 107 | 50 | 127 |
| ECHO RESERVOIR inflow | APR-JUN | 106 | 65 | | | 143 | 70 | 163 |
| LOST CREEK near Croyden | APR-JUN | 10.7 | 69 | | | 15.2 | 6.2 | 15.6 |
| EAST CANYON CREEK near Morgan | APR-JUN | 15.0 | 52 | 15.9 | 14.1 | 26 | 9.5 | 29 |
| HARDSCRABBLE CREEK near Porterville | APR-JUN | 13.0 | 71 | 13.7 | 12.3 | 20 | 5.8 | 18.4 |
| WEBER RIVER at Gateway | APR-JUN | 181 | 55 | | | 245 | 119 | 328 |
| SOUTH FORK OGDEN RIVER near Huntsvil | APR-JUN | 34 | 59 | 37 | 31 | 51 | 21 | 58 |
| PINEVIEW RESERVOIR inflow | APR-JUN | 70 | 57 | 75 | 65 | 94 | 48 | 122 |
| WHEELER CREEK near Huntsville | APR-JUN | 4.3 | 68 | 4.7 | 3.9 | 5.6 | 3.2 | 6.3 |
| FARMINGTON CREEK near Farmington | APR-JUL | 5.1 | 62 | 5.3 | 4.9 | 8.3 | 1.9 | 8.2 |

| RESERVOIR STORAGE (1000AF) | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------------|-----------|-------------|------------------------------------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | WATERSHED | NO. COURSES | THIS YEAR AS % OF LAST YR. AVERAGE |
| | | THIS YEAR | LAST YEAR | AVG'D | |
| CAUSEY | 7.1 | 5.9 | 6.8 | 2.6 | OGDEN RIVER 4 147 54 |
| EAST CANYON | 48.1 | 44.3 | 40.1 | 41.5 | WEBER RIVER 14 158 48 |
| ECHO | 73.9 | 68.4 | 69.5 | 54.2 | WEBER & OGDEN WATERSHEDS 18 154 51 |
| LOST CREEK | 20.0 | 20.7 | 19.4 | 14.3 | |
| PINEVIEW | 110.1 | 105.9 | 57.8 | 76.8 | |
| ROCKPORT | 60.9 | 44.0 | 41.8 | 36.8 | |
| WILLARD BAY | 165.5 | 162.0 | 152.5 | 139.7 | |

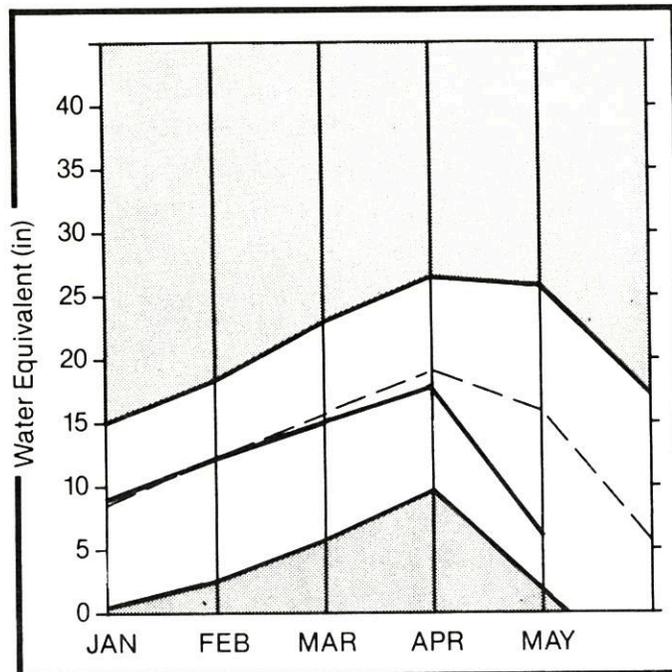
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

Utah Lake, Jordan River & Tooele Valley

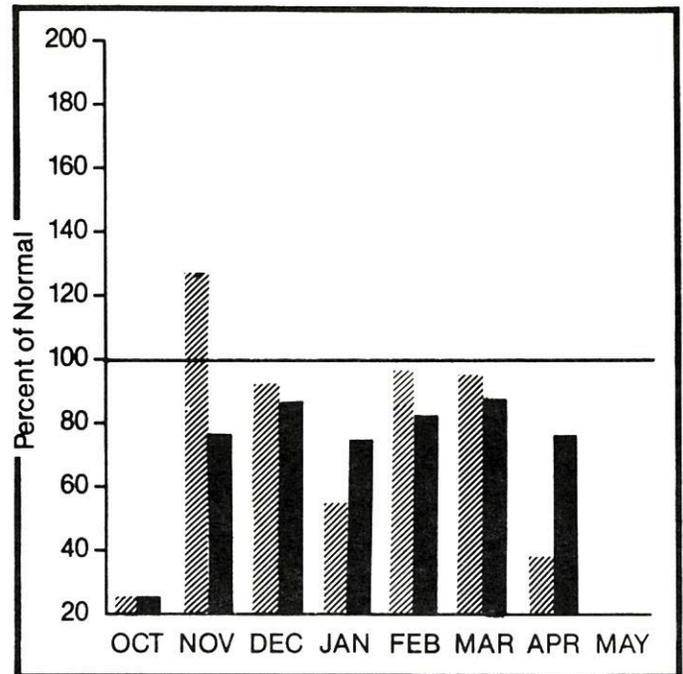
Mountain snowpack* (inches)



*Based on selected stations



Precipitation* (percent of normal)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snow water content suffered the greatest April decline in the last thirty years. Another month of above average temperature and below average mountain precipitation resulted in a loss of 11.3 inches of snow water compared to a normal loss of 3.1 inches. May first water content in the snowpack is only 41% of normal. April precipitation at mountain stations was one-third of normal bringing water year accumulation to 77% of average. Projections of spring and summer streamflows have declined since last month and now range from 48 to 73 percent of average. Reservoir storage is 94% of average.

For more information contact your local
 Soil Conservation Service Office:
 Midvale Field Office 801-524-4373
 Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST | MOST | MOST | WET | DRY | REAS. | REAS. | 25 YR. AVG. (1000AF) |
|-------------------------------------|----------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|----------------------------|
| | PERIOD | PROBABLE (1000AF) | PROBABLE (% AVG.) | SUBS. (1000AF) | SUBS. (1000AF) | MAX. (1000AF) | MIN. (1000AF) | |
| SALT CREEK near Nephi | APR-JUL | 9.5 | 70 | | | 14.8 | 4.1 | 13.5 |
| PAYSON CREEK near Payson | APR-JUL | 4.3 | 58 | | | | | 7.3 |
| SPANISH FORK near Castilla | APR-JUL | 43 | 54 | | | | | 80 |
| HOBBLE CREEK near Springville | APR-JUL | 13.7 | 58 | | | | | 23 |
| PROVO near Hailstone | APR-JUL | 82 | 73 | | | 103 | 63 | 113 |
| PROVO below Deer Creek Dam | APR-JUL | 92 | 68 | | | 124 | 60 | 133 |
| AMERICAN FORK near American Fk. | APR-JUL | 21 | 62 | | | 25 | 17.3 | 34 |
| UTAH LAKE inflow | APR-JUL | 162 | 55 | | | 255 | 71 | 295 |
| LITTLE COTTONWOOD CRK near SLC | APR-JUL | 30 | 73 | | | 33 | 28 | 41 |
| BIG COTTONWOOD CRK near SLC | APR-JUL | 28 | 72 | | | 31 | 23 | 39 |
| PARLEY'S CREEK near SLC | APR-JUL | 11.7 | 69 | | | 16.3 | 7.1 | 17.0 |
| MILL CREEK near SLC | APR-JUL | 4.3 | 62 | | | 4.6 | 3.6 | 6.9 |
| EMIGRATION CREEK near SLC | APR-JUL | 2.7 | 59 | | | | | 4.6 |
| CITY CREEK near SLC | APR-JUL | 5.5 | 61 | | | 6.6 | 4.6 | 9.0 |
| VERNON CREEK near Vernon | APR-JUN | 0.6 | 50 | | | 1.2 | 0.3 | 1.2 |
| SETTLEMENT CREEK near Tooele | APR-JUL | 1.1 | 48 | | | 2.2 | 0.2 | 2.3 |
| SOUTH WILLOW CREEK near Grantsville | APR-JUL | 1.9 | 63 | | | 3.3 | 0.8 | 3.0 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| DEER CREEK | 149.6 | 125.7 | 137.5 | 106.9 | PROVO RIVER & UTAH LAKE | 10 | 70 | 22 |
| GRANTSVILLE | 3.3 | 3.3 | 3.1 | --- | PROVO RIVER | 5 | 132 | 31 |
| SETTLEMENT CREEK | 1.0 | 1.0 | 1.0 | 0.7 | JORDAN RIVER & GREAT SALT | 12 | 148 | 55 |
| STRAWBERRY-ENLARGED | 951.4 | 559.1 | 492.6 | --- | TOOELE & VERNON W.S.'S | 4 | 57 | 28 |
| UTAH LAKE | 855.5 | 697.0 | 833.9 | 768.8 | UTAH L.-JORDAN R.-TOOELE | 26 | 119 | 41 |
| VERNON CREEK | 0.6 | 0.6 | 0.6 | 0.6 | | | | |

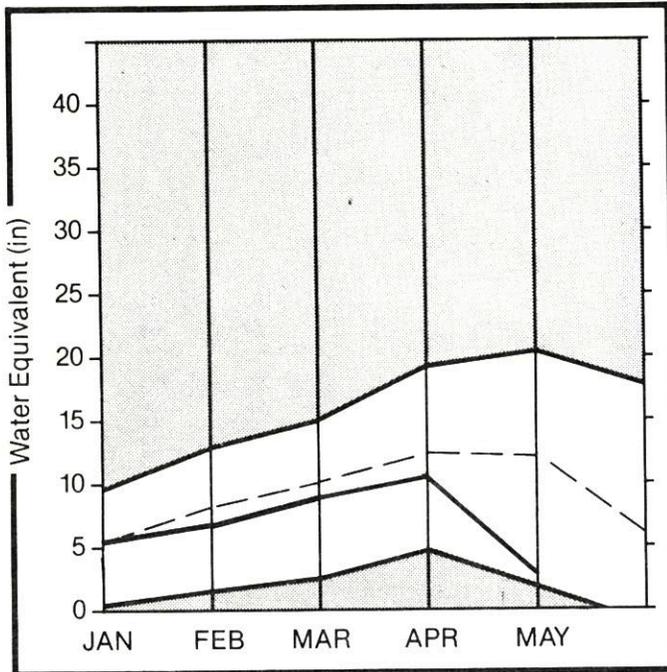
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(2) - Corrected for upstream diversions or changes in reservoir storage.

Uintah Basin & Dagget SCD's

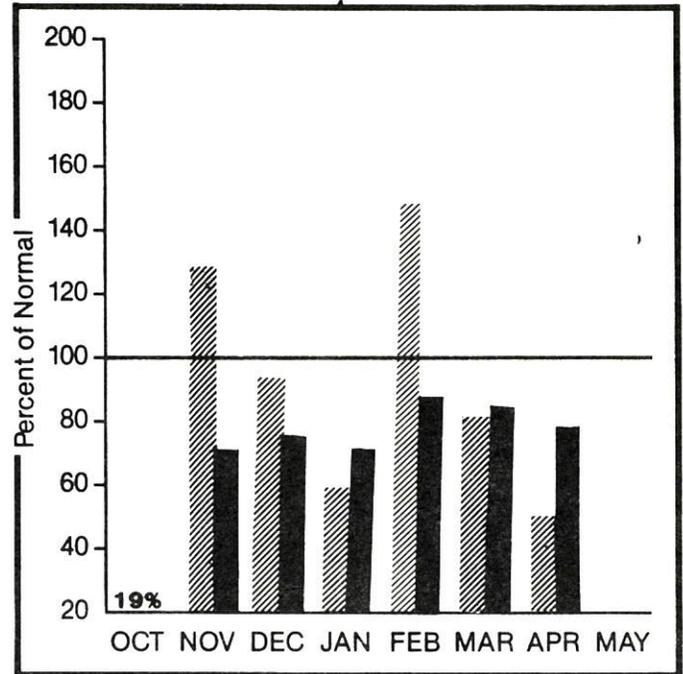
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Abnormally high snow losses during April have reduced snow water content from 81% of average one month ago to 27% of average as of May first. Precipitation at mountain stations during April was one-half normal. Water year precipitation has fallen to 79% of average. Forecasts of streamflow have fallen by 12 to 26 percent from levels projected last month. Streamflow forecasts now range from 56 to 78% of normal for the April through July period. Reserves of stored water are 123% of average.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| BLACK'S FORK nr Millburne | APR-JUL | 75 | 78 | | | 99 | 54 | 96 |
| EF SMITHS FORK inf to State Line Res | APR-JUL | 22 | 73 | | | 30 | 15.4 | 30 |
| HENRY'S FORK nr Manila | APR-JUL | 25 | 58 | | | 38 | 15.1 | 45 |
| GREEN RIVER nr Greendale 2 | APR-JUL | 850 | 87 | | | 1080 | 645 | 1267 |
| BIG BRUSH CREEK ab Red Fleet Res | APR-JUL | 15.5 | 78 | | | 19.3 | 12.3 | 19.8 |
| ASHLEY CREEK nr Vernal 2 | APR-JUL | 35 | 67 | | | 45 | 27 | 52 |
| WEST FORK DUCHESNE RIVER nr Hanna | APR-JUL | 20 | 71 | | | 25 | 15.5 | 28 |
| DUCHESNE RIVER nr Tabiona | APR-JUL | 75 | 68 | | | 88 | 62 | 110 |
| ROCK CREEK nr Mountain Home | APR-JUL | 68 | 72 | | | 81 | 57 | 95 |
| DUCHESNE RIVER abv Knight Diversion | APR-JUL | 135 | 78 | | | 160 | 110 | 194 |
| STRAWBERRY RIVER inflow to Strawberr | APR-JUL | 40 | 87 | | | 51 | 29 | 60 |
| CURRENT CREEK nr Fruitland 2 | APR-JUL | 13.5 | 58 | | | 17.2 | 10.3 | 23 |
| STRAWBERRY RIVER inflow to Starvatio | APR-JUL | 44 | 68 | | | 53 | 35 | 67 |
| STRAWBERRY RIVER nr Duchesne (natura | APR-JUL | 78 | 64 | | | 94 | 62 | 121 |
| LAKEFORK RIVER blw Moon Lake 2 | APR-JUL | 48 | 68 | | | 59 | 38 | 71 |
| YELLOWSTONE RIVER nr Altonah | APR-JUL | 44 | 67 | | | 62 | 26 | 66 |
| DUCHESNE RIVER at Myton 2 | APR-JUL | 170 | 82 | | | 240 | 88 | 275 |
| UINTA RIVER nr Neola | APR-JUL | 57 | 65 | | | 90 | 24 | 88 |
| WHITEROCKS RIVER nr Whiterocks | APR-JUL | 41 | 68 | | | 58 | 24 | 60 |
| DUCHESNE RIVER nr Randlett | APR-JUL | 190 | 58 | | | 420 | 78 | 340 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|-------|-----------------------------|-------------------|------------------------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| FLAMING GORGE | 3749.0 | 2934.9 | 3070.3 | --- | UPPER GREEN RIVER in UTAH | 9 | 46 | 26 |
| MOON LAKE | 35.8 | 14.9 | 23.6 | 18.1 | ASHLEY CREEK | 2 | 17 | 9 |
| RED FLEET | 26.0 | 21.9 | 22.5 | --- | BLACK'S FORK RIVER | 3 | 57 | 48 |
| STEINAKER | 33.3 | 20.9 | 32.1 | 23.0 | SHEEP CREEK | 2 | 36 | 25 |
| STARVATION | 165.3 | 154.6 | 164.1 | 113.5 | DUCHESNE RIVER | 11 | 65 | 28 |
| STRAWBERRY-ENLARGED | 951.4 | 559.1 | 492.6 | --- | LAKE FORK-YELLOWSTONE CK. | 3 | 102 | 51 |
| | | | | | STRAWBERRY RIVER | 4 | 45 | 18 |
| | | | | | UINTAH-WHITEROCKS RIVERS | 3 | 44 | 19 |
| | | | | | UINTAH BASIN & DAGGET SCD | 20 | 52 | 27 |

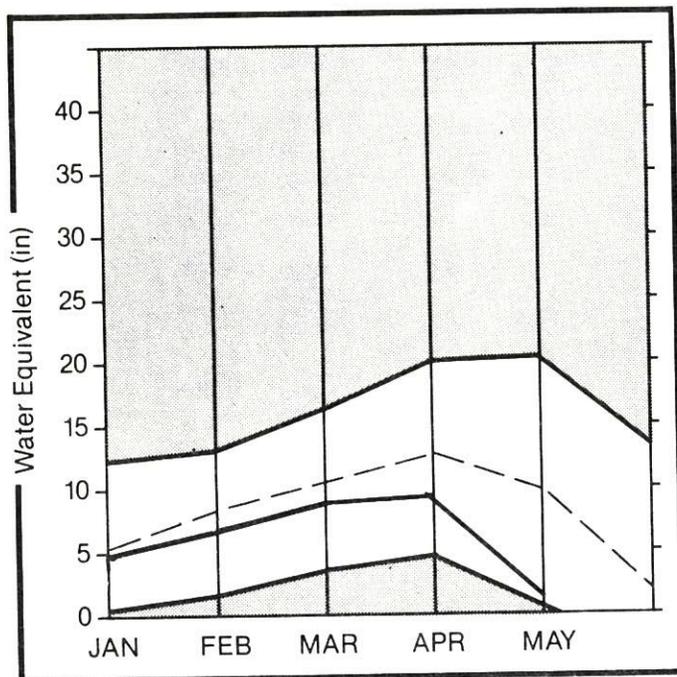
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

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(2) - Corrected for upstream diversions or changes in reservoir storage.

Carbon, Emery, Wayne, Grand, and San Juan Co.

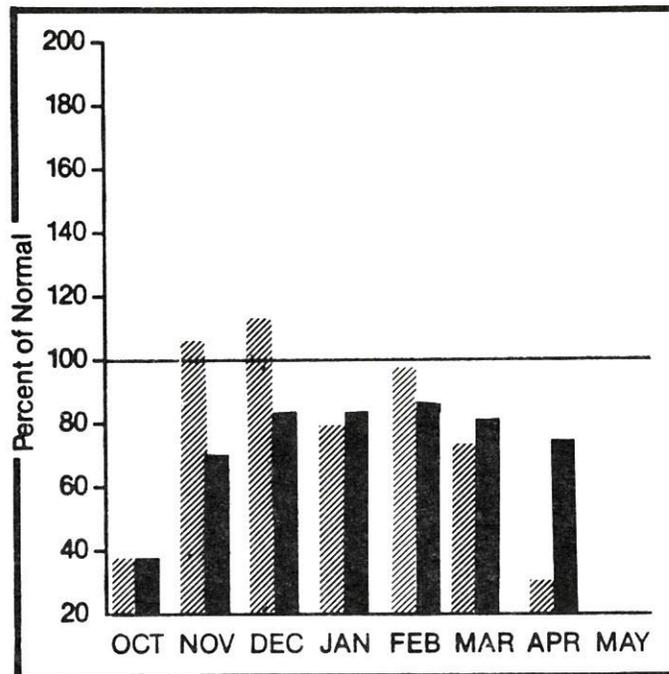
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

May first snow water content in southeastern Utah is the lowest it has been since 1977. Snow surveys conducted the last week in April measured an average of only 1.1 inches of snow water compared to 0.3 inches at the same time in the 1977 water year. This amount of snow water is only 11% of average and 18% of last year. Mountain precipitation during April was one-third normal bringing water year accumulation to 74% of average. Area reservoirs are holding near normal volumes of stored water as of the end of April.

For more information contact your local
 Soil Conservation Service Office:
 Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

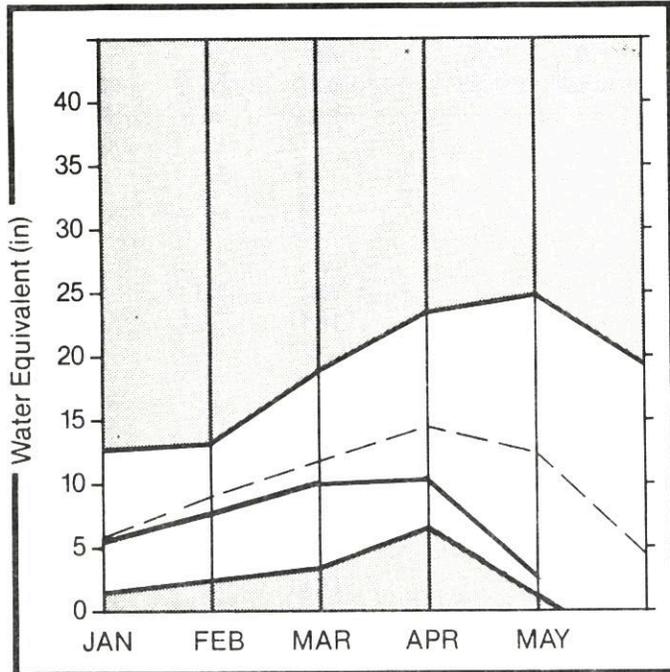
| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|--------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GOOSEBERRY CREEK nr Scofield | APR-JUL | 7.9 | 66 | | | 10.5 | 5.3 | 12.0 |
| SCOFIELD RESERVOIR inflow | APR-JUL | 26 | 57 | | | 34 | 20 | 46 |
| PRICE RIVER nr Heiner 2 | APR-JUL | 35 | 59 | | | 45 | 27 | 59 |
| GREEN RIVER at Green River, UT 2 | APR-JUL | 1900 | 60 | | | 2500 | 1300 | 3182 |
| HUNTINGTON CREEK inf to Electric Lak | APR-JUL | 9.0 | 60 | | | 11.4 | 7.0 | 15.1 |
| HUNTINGTON CREEK nr Huntington 2 | APR-JUL | 28 | 51 | | | 37 | 21 | 55 |
| COTTONWOOD CREEK nr Orangeville 2 | APR-JUL | 27 | 57 | | | 42 | 12.4 | 47 |
| FERRON CREEK nr Ferron | APR-JUL | 25 | 61 | | | 34 | 16.0 | 41 |
| COLORADO nr Cisco, UT 2 | APR-JUL | 2300 | 67 | | | 3130 | 1580 | 3443 |
| MILL CREEK nr Moab | APR-JUL | 4.0 | 73 | | | 5.2 | 2.8 | 5.5 |
| SEVEN MILE CREEK nr Fish Lake | APR-JUL | 4.0 | 62 | | | 5.4 | 2.6 | 6.5 |
| MUDDY CREEK nr Emery | APR-JUL | 13.0 | 62 | | | 17.4 | 8.6 | 21 |
| SAN JUAN RIVER nr Archuleta 2 | APR-JUL | 540 | 71 | | | 745 | 370 | 764 |
| SAN JUAN nr Bluff, UT 2 | APR-JUL | 740 | 68 | | | 1080 | 465 | 1091 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| HUNTINGTON NORTH | 3.9 | 3.7 | 4.2 | 3.9 | PRICE RIVER | 3 | 8 | 4 |
| JOE'S VALLEY | 61.6 | 42.3 | 44.8 | 46.8 | SAN RAFAEL RIVER | 7 | 34 | 23 |
| KEN'S LAKE | 2.3 | 0.5 | 1.4 | — | MUDDY RIVER | 2 | 0 | 0 |
| MILL SITE | 16.7 | 11.0 | 9.4 | 6.3 | FREMONT RIVER | 4 | 1 | 0 |
| SCOFIELD | 65.8 | 37.1 | 47.7 | 36.6 | LASAL MOUNTAINS | 2 | 0 | 0 |
| | | | | | BLUE MOUNTAINS | 2 | 0 | 0 |
| | | | | | WILLOW CREEK - WHITE RIVE | 2 | 0 | 0 |
| | | | | | SOUTHEASTERN UTAH | 21 | 18 | 11 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Sevier & Beaver River Basins

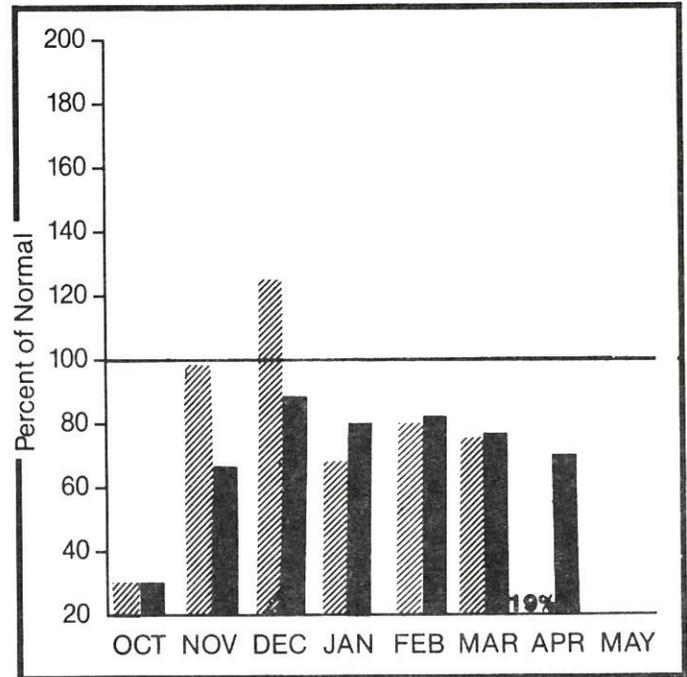
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water content in the Sevier River watershed snowpack during the May first survey was measured at only 19% of average which is about one-fourth as much as last year. This is the least snow measured on May first since 1977. April precipitation at mountain sites was less than 20% of normal. Accompanying high temperatures produced over four-times as much snow water content loss during April as is usually experienced. Water year precipitation at mountain sites is 70% of normal. Reservoir storage is 36% above average.

For more information contact your local
 Soil Conservation Service Office:
 Richfield Field Office 801-896-6261
 Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| SEVIER at Hatch | APR-JUL | 27 | 52 | | | 42 | 16.1 | 52 |
| SEVIER near Circleville | APR-JUL | 28 | 59 | | | | | 44 |
| SEVIER near Kingston | APR-JUL | 17.5 | 51 | | | 27 | 8.3 | 34 |
| ANTIMONY CREEK near Antimony | APR-JUL | 4.8 | 54 | | | | | 8.9 |
| E F SEVIER near Kingston | APR-JUL | 15.0 | 63 | | | 30 | 5.4 | 24 |
| SEVIER blw Piute Dam | APR-JUL | 29 | 52 | | | 66 | 15.6 | 56 |
| CLEAR CREEK near Sevier | APR-JUL | 13.4 | 61 | | | | | 22 |
| SIGURD to GUNNISON | APR-JUL | 24 | 55 | | | 33 | 12.1 | 44 |
| KINGSTON to VERMILLION DAM | APR-JUL | 11.0 | 58 | | | | | 18.9 |
| VERMILLION DAM to GUNNISON | APR-JUN | 19.6 | 49 | | | | | 40 |
| SALINA CREEK at Salina | APR-JUN | 9.1 | 50 | | | | | 18.2 |
| PLEASANT CREEK near Pleasant | APR-JUL | 5.9 | 51 | | | | | 11.5 |
| EPHRAIM CREEK near Ephraim | APR-JUL | 12.3 | 49 | | | | | 25 |
| SEVIER nr Gunnison | APR-JUL | 51 | 52 | | | | | 99 |
| CHICKEN CREEK near Levan | APR-JUL | 2.1 | 60 | | | 3.2 | 1.1 | 3.5 |
| OAK CREEK near Oak City | APR-JUL | 0.7 | 44 | | | 1.6 | 0.3 | 1.6 |
| CHALK CREEK near Fillmore | APR-JUL | 9.0 | 55 | 10.8 | 7.2 | 12.4 | 5.6 | 16.4 |
| BEAVER RIVER near Beaver | APR-JUL | 15.0 | 56 | 16.4 | 13.6 | 24 | 5.8 | 27 |
| NORTH CREEK near Beaver (combined) | APR-JUL | 9.0 | 62 | 9.9 | 8.1 | 17.3 | 4.5 | 14.6 |
| MINERSVILLE RESERVOIR inflow | APR-JUN | 7.0 | 49 | | | 12.6 | 3.1 | 14.3 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|-------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNNISON | 20.3 | 16.9 | 20.3 | 14.9 | U SEVIER (s of Richfield) | 11 | 5 | 4 |
| MINERSVILLE (RkyFd) | 26.0 | 20.6 | 22.9 | 14.6 | EAST FORK SEVIER RIVER | 4 | 6 | 4 |
| OTTER CREEK | 52.7 | 51.4 | 52.7 | 39.5 | SOUTH FORK SEVIER RIVER | 7 | 4 | 3 |
| PIUTE | 71.8 | 54.4 | 71.1 | 44.7 | LOWER SEVIER RIVER | 12 | 36 | 24 |
| SEVIER BRIDGE | 236.0 | 196.6 | 227.6 | 136.0 | BEAVER RIVER | 3 | 34 | 29 |
| PANQUITCH LAKE | 22.3 | 19.8 | 21.0 | --- | SEVIER & BEAVER R. BASINS | 26 | 26 | 19 |

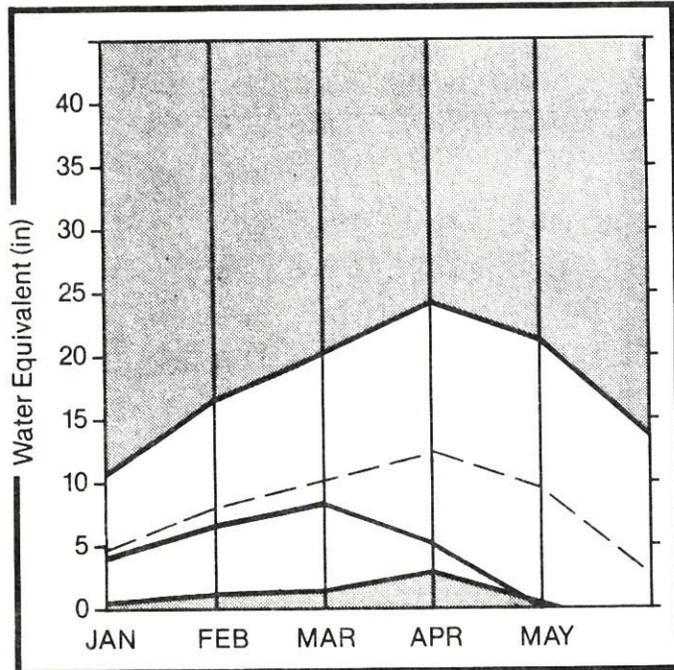
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

E. Garfield, Kane, Washington, & Iron Co.

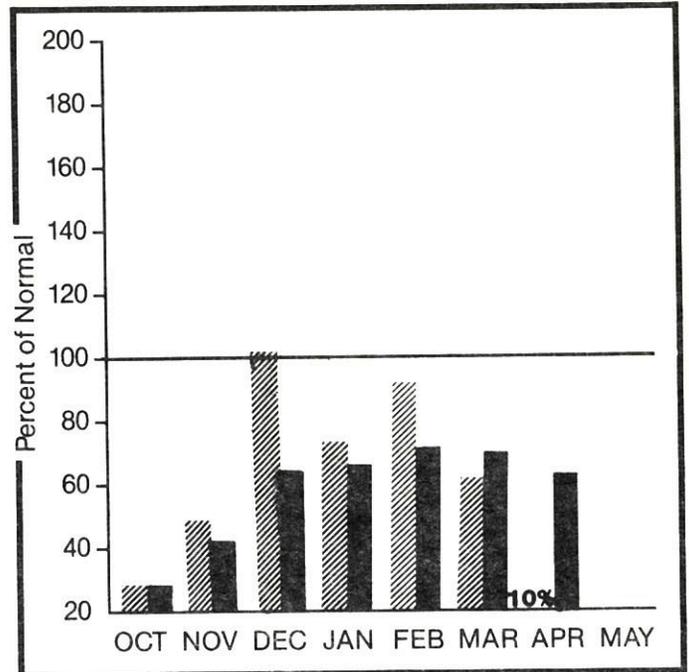
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Only two of the twelve snow courses measured in southwestern Utah on the May first survey had a trace of snow. This is drier than even the extremely dry 1977 water year. Mountain precipitation during April was 10% of normal. Precipitation for the water year has fallen to 61% of normal. December is the only month this water year in which precipitation exceeded average. The other six months have recorded much below average precipitation. Streamflow projections for May through July for local streams are 80% below normal. Gunlock Reservoir is holding only 75% of capacity--down from 83% last month.

For more information contact your local
 Soil Conservation Service Office:
 Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | WET SUBS. (1000AF) | DRY SUBS. (1000AF) | REAS. MAX. (1000AF) | REAS. MIN. (1000AF) | 25 YR. AVG. (1000AF) |
|-------------------------------------|-----------------|------------------------|------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| COAL CREEK near Cedar City | MAY-JUL | 4.0 | 24 | | | | | 16.8 |
| COLORADO RIVER inf to Lake Powell 2 | APR-JUL | 4800 | 59 | | | 6500 | 3260 | 8086 |
| VIRGIN near Hurricane | MAY-JUN | 10.0 | 23 | | | | | 44 |
| SANTA CLARA near Pine Valley | MAY-JUN | 1.0 | 25 | | | | | 4.0 |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------------------|-----------|------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** | | | WATERSHED | NO. COURSES AVG'D | THIS YEAR AS % OF | |
| | | THIS YEAR | LAST YEAR | AVG. | | | LAST YR. | AVERAGE |
| GUNLOCK | 10.4 | 7.8 | 10.9 | --- | VIRGIN RIVER | 5 | 0 | 0 |
| LAKE POWELL | 25002.0 | 21309.0 | 22452.0 | --- | PAROWAN | 4 | 0 | 0 |
| QUAIL CREEK | | NO REPORT | | | ENTERPRISE TO NEW HARMONY | 2 | 0 | 0 |
| UPPER ENTERPRISE | 10.0 | 0.9 | 2.8 | --- | COAL CREEK | 3 | 0 | 0 |
| LOWER ENTERPRISE | 2.6 | 0.8 | 1.0 | --- | ESCALANTE RIVER | 2 | 2 | 1 |
| | | | | | SOUTHWESTERN UTAH | 12 | 0 | 0 |

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

SNOW MEASUREMENT DATA

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-65 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ALTA CENTRAL | 8800 | 05/01 | 68 | 28.5 | 19.5 | 40.3 |
| ASHLEY TWIN LAKES | 10500 | | | | 6.2 | 18.0 |
| ATWOOD LAKE | 10840 | | | | 5.8 | 13.3 |
| ATWOOD LAKE SNOTEL | 10840 | 04/24 | - | 4.6 | 5.8 | 13.0 |
| BEAVER CREEK DIVIDE | 8280 | 04/25 | 0 | 0.0 | 0.0 | 6.5 |
| BEAVER DIVIDE SNOTL | 8280 | 04/24 | - | 0.0 | 0.1 | 4.2 |
| BEAVER DAMS | 8000 | 04/27 | 0 | 0.0 | 0.0 | 8.0 |
| BEAVER DAMS SNOTEL | 8000 | 04/24 | - | 0.0 | 0.0 | 8.0 |
| BEN LOMOND PEAK | 8000 | 04/24 | 52 | 27.2 | 16.6 | 39.4 |
| BEN LOMOND PK SNOTL | 8000 | 04/24 | - | 32.7 | 18.7 | 43.8 |
| BEN LOMOND TRAIL | 6000 | 04/24 | 0 | 0.0 | .0 | 9.6 |
| BEN LOMOND TR SNOTL | 6000 | 04/24 | - | 0.0 | 0.5 | 8.2 |
| BEVAN'S CABIN | 6450 | 04/25 | 0 | 0.0 | .0 | 5.5 |
| BIG FLAT | 10290 | 04/27 | 34 | 10.2 | 19.6 | 21.6 |
| BIG FLAT SNOTEL | 10290 | 04/24 | - | 11.8 | 20.0 | 21.3 |
| BIRCH CROSSING | 8100 | 04/26 | 0 | 0.0 | 0.0 | 2.0 |
| BLACK'S FLAT-U.M. CK | 9400 | 04/27 | 0 | 0.0 | 6.3 | 9.4 |
| BLACK FLAT-U.M. CK S | 9400 | 04/24 | - | 0.0 | 7.3 | 9.1 |
| BLACK'S FORK | 9200 | 04/28 | 0 | 0.0 | 9.0 | 11.9 |
| BLACK'S FORK GS-EF | 9340 | 04/25 | 6 | 1.7 | 7.7 | 9.9 |
| BLACK'S FORK JUNCTN | 8930 | 04/25 | 0 | 0.0 | 5.4 | 8.3 |
| BOX CREEK | 9300 | 04/27 | 4 | 1.2 | 11.8 | 13.2 |
| BOX CREEK SNOTEL | 9300 | 04/24 | - | 0.0 | 13.7 | 11.3 |
| BRIAN HEAD | 10000 | 04/27 | 1 | 0.1 | 23.8 | 22.0 |
| BRIGHTON | 8750 | 04/27 | 54 | 19.5 | 12.9 | 31.2 |
| BRIGHTON SNOTEL | 8750 | 04/24 | - | 21.3 | 14.5 | 31.2 |
| BRIGHTON CABIN | 8700 | 05/01 | 42 | 16.0 | 8.9 | 25.5 |
| BROWN DUCK RIDGE | 10600 | 04/27 | 43 | 15.4 | 12.5 | 22.4 |
| BROWN DUCK SNOTEL | 10600 | 04/24 | - | 14.5 | 14.0 | 19.8 |
| BRYCE CANYON | 6000 | 04/26 | 0 | 0.0 | 0.0 | 0.6 |
| BUCK FLAT | 9800 | 04/28 | 4 | 1.2 | 11.8 | 17.2 |
| BUCK FLAT SNOTEL | 9800 | 04/24 | - | 2.5 | 11.9 | 16.9 |
| BUCK PASTURE | 9700 | | | | 13.0 | 17.2 |
| BUCKBOARD FLAT | 9000 | 05/04 | 0 | 0.0 | 3.4 | 8.3 |
| BUG LAKE | 7950 | 04/24 | 28 | 11.6 | 9.9 | 19.4 |
| BUG LAKE SNOTEL | 7950 | 04/24 | - | 13.2 | 11.3 | 22.9 |
| BURT'S-MILLER RANCH | 7900 | 04/25 | 0 | 0.0 | 0.0 | 2.4 |
| CAMP JACKSON | 8600 | 05/02 | 0 | 0.0 | 0.4 | 7.5 |
| CAMP JACKSON SNOTEL | 8600 | 04/24 | - | 0.0 | 1.4 | 8.5 |
| CASTLE VALLEY | 9580 | 04/27 | 0 | 0.0 | 8.0 | 8.5 |
| CASTLE VALLEY SNOTL | 9580 | 04/24 | - | 0.0 | 10.3 | 11.3 |
| CHALK CREEK #1 | 9100 | 04/25 | 45 | 18.7 | 13.2 | 25.0 |
| CHALK CK #1 SNOTEL | 9100 | 04/24 | - | 24.7 | 17.0 | 23.5 |
| CHALK CREEK #2 | 8200 | 04/25 | 19 | 6.7 | 6.1 | 14.4 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| CHALK CK #2 SNOTEL | 8200 | 04/24 | - | 7.9 | 6.9 | 11.7 |
| CHALK CREEK #3 | 7500 | 04/25 | 0 | 0.0 | 0.0 | 3.1 |
| CHEPETA | 10300 | 04/26 | 8 | 1.9 | 4.2 | 13.9 |
| CHEPETA SNOTEL | 10300 | 04/24 | - | 3.0 | 6.2 | 12.5 |
| CHEPETA-WHITERKS. LK | 10350 | | | | 11.7 | 15.7 |
| CITY CREEK | 7500 | 05/01 | 24 | 13.1 | 4.2 | 23.2 |
| CLEAR CREEK MEADOWS | 9420 | | | | - | 20.6 |
| CLEAR CREEK RIDGE #1 | 9200 | 04/27 | 9 | 2.9 | 9.7 | 18.0 |
| CLEAR CK RIDG #1 SNT | 9200 | 04/24 | - | 3.9 | 8.4 | 16.9 |
| CLEAR CREEK RIDGE #2 | 8000 | 04/27 | 3 | 0.9 | 5.3 | 10.8 |
| CLEAR CK RIDG #2 SNT | 8000 | 04/24 | - | 0.0 | 3.4 | 8.7 |
| CLEAR CREEK RIDGE #3 | 6600 | 04/27 | 0 | 0.0 | 0.0 | 0.1 |
| CURRENT CREEK | 8000 | 04/28 | 0 | 0.0 | 0.0 | 2.8 |
| CURRENT CREEK SNOTEL | 8000 | 04/24 | - | 0.0 | 0.0 | 3.3 |
| DANIELS-STRAWBERRY | 8000 | 04/28 | 4 | 0.8 | 0.3 | 9.9 |
| DANIELS-STRAWBERRY S | 8000 | 04/24 | - | 0.0 | 1.1 | 11.2 |
| DESERET PEAK | 9250 | 04/23 | 30 | 11.7 | - | 26.9 |
| DESERET PEAK AM | 9250 | 04/25 | 19 | 7.4 | 9.8 | 26.9 |
| DESERET PEAK SNOTEL | 9250 | 04/24 | - | 15.7 | - | 26.9 |
| DILL'S CAMP | 9200 | 04/28 | 0 | 0.0 | 4.5 | 9.4 |
| DILL'S CAMP SNOTEL | 9200 | 04/24 | - | 0.0 | 6.7 | 12.7 |
| DONKEY RESERVOIR | 9800 | 04/27 | 1 | 0.1 | 3.2 | 5.5 |
| DONKEY RESERVOIR SNO | 9800 | 04/24 | - | 0.0 | 5.8 | 5.5 |
| DRY BREAD POND | 8350 | 04/24 | 12 | 5.2 | 5.1 | 18.2 |
| DRY BREAD POND SNOTL | 8350 | 04/24 | - | 16.6 | 10.1 | 21.2 |
| DUCK CREEK R.S. | 8700 | 04/27 | 0 | 0.0 | 2.1 | 9.2 |
| EAST SHINGLE LAKE | 9800 | | | | 15.8 | 28.9 |
| EAST WILLOW CREEK | 8250 | | | | - | 7.2 |
| EAST WILLOW CREEK SN | 8250 | 04/24 | - | 0.0 | 0.0 | 7.2 |
| FARMINGTON CANYON | 8000 | 04/24 | 48 | 24.2 | 11.0 | 33.7 |
| FARMINGTON CN SNOTEL | 8000 | 04/24 | - | 25.4 | 10.7 | 31.5 |
| FARMINGTON CANYON L. | 6950 | 04/24 | 28 | 14.4 | 6.1 | 23.7 |
| FARNSWORTH LAKE | 9600 | 04/28 | 32 | 11.2 | 21.1 | 22.9 |
| FARNSWORTH LK SNOTEL | 9600 | 04/24 | - | 13.5 | 21.9 | 22.2 |
| FISH LAKE | 8700 | 04/27 | 0 | 0.0 | 3.2 | 5.9 |
| FIVE POINT LAKE | 10920 | | | | 10.8 | 18.4 |
| FIVE POINTS LAKE SNO | 10920 | 04/24 | - | 10.2 | 9.0 | 17.2 |
| FRANCES FLATS | 6700 | 05/01 | 0 | 0.0 | 0.0 | 0.7 |
| G.B.R.C. HEADQUARTER | 8700 | 04/27 | 10 | 3.3 | 11.9 | 17.6 |
| G.B.R.C. MEADOWS | 10000 | 04/27 | 34 | 11.6 | 20.0 | 27.2 |
| GARDEN CITY SUMMIT | 7600 | 04/24 | 26 | 11.0 | 7.5 | 17.2 |
| GEORGE CREEK | 8840 | | | | - | - |
| GOOSEBERRY R.S. | 8000 | 04/27 | 0 | 0.0 | 6.3 | 10.0 |
| GOOSEBERRY R.S. SNOT | 8000 | 04/24 | - | 0.0 | 0.0 | 5.9 |
| HARDSCRABBLE | 6700 | 04/24 | 1 | 0.4 | 0.0 | 11.1 |
| HARRIS FLAT | 7700 | 04/27 | 0 | 0.0 | 1.2 | 2.9 |
| HARRIS FLAT SNOTEL | 7700 | 04/24 | - | 0.0 | 1.1 | 2.1 |
| HAYDEN FORK | 9400 | 04/25 | 15 | 5.5 | 8.1 | 16.1 |
| HAYDEN FORK SNOTEL | 9100 | 04/24 | - | 0.0 | 5.7 | 13.7 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|---------------|-----------|-----------------|
| HENRY'S FORK | 10000 | | | | 10.9 | 13.4 |
| HEWINTA G.S. | 9500 | 04/25 | 5 | 1.4 | 8.7 | 10.2 |
| HEWINTA SNOTEL | 9500 | 04/24 | - | 2.8 | 9.3 | 10.2 |
| HICKERSON PARK | 9100 | 04/25 | 0 | 0.0 | 6.3 | 6.5 |
| HICKERSON PARK SNOTE | 9100 | 04/24 | - | 0.0 | 6.8 | 6.5 |
| HIDDEN SPRINGS | 5500 | 05/01 | 0 | 0.0 | 0.0 | 0.4 |
| HOLE-IN-THE-ROCK | 9150 | 04/25 | 0 | 0.0 | 3.5 | 6.0 |
| HOLE-IN-ROCK SNOTEL | 9150 | 04/24 | - | 0.0 | 5.8 | 6.0 |
| HOLE-IN-THE-ROCK GS | 8300 | | | | - | 0.0 |
| HOBBLE CREEK SUMMIT | 7420 | 04/27 | 4 | 0.7 | 0.0 | 8.3 |
| HORSE RIDGE | 8260 | 04/24 | 22 | 10.5 | 4.0 | 20.0 |
| HORSE RIDGE SNOTEL | 8260 | 04/24 | - | 13.8 | 4.5 | 18.8 |
| HUNTINGTON-HORSESHOE | 9800 | 04/27 | 36 | 14.5 | 20.8 | 27.4 |
| INDIAN CANYON | 9100 | 04/27 | 0 | 0.0 | 6.2 | 10.9 |
| INDIAN CANYON SNOTEL | 9100 | 04/24 | - | 0.0 | 6.2 | 11.2 |
| JOHNSON VALLEY | 8850 | 04/27 | 0 | 0.0 | 0.0 | 4.6 |
| KILFOIL CREEK | 7300 | 04/24 | 11 | 4.6 | 1.6 | 10.7 |
| KILLYON CANYON | 6300 | 05/01 | 0 | 0.0 | 0.0 | 0.0 |
| KIMBERLY MINE (UPPER) | 9300 | 04/27 | 6 | 2.0 | 13.9 | 17.2 |
| KIMBERLY MINE SNOTEL | 9300 | 04/24 | - | 0.0 | 12.2 | 14.8 |
| KING'S CABIN (UPPER) | 8730 | 04/25 | 2 | 0.6 | 0.8 | 9.8 |
| KING'S CABIN SNOTEL | 8730 | 04/24 | - | 0.0 | 0.5 | 9.8 |
| KLONDIKE NARROWS | 7400 | 04/24 | 17 | 8.0 | 3.7 | 15.8 |
| KOLOB-CRYSTAL | 9250 | 04/27 | 0 | 0.0 | 20.2 | 21.6 |
| KOLOB SNOTEL | 9250 | 04/24 | - | 0.0 | 22.7 | 21.4 |
| LAKEFORK BASIN | 10900 | | | | 12.6 | 22.4 |
| LAKEFORK BASIN SNOTE | 10900 | 04/24 | - | 19.5 | 17.2 | 17.5 |
| LAKEFORK MOUNTAIN #1 | 10100 | 04/26 | 12 | 3.1 | 5.7 | 12.1 |
| LAKEFORK #1 SNOTEL | 10100 | 04/24 | - | 2.6 | 6.2 | 11.1 |
| LAKEFORK MOUNTAIN #3 | 8400 | 04/26 | 0 | 0.0 | 0.0 | 2.0 |
| LAMBS CANYON | 7400 | 04/27 | 6 | 1.4 | 2.5 | 11.0 |
| LASAL MOUNTAIN LOWER | 8800 | 05/03 | 0 | 0.0 | 0.6 | 5.3 |
| LASAL MOUNTAIN (UPP) | 9850 | 05/03 | 0 | 0.0 | 13.0 | 14.4 |
| LASAL MOUNTAIN SNOTE | 9850 | 04/24 | - | 0.0 | 5.2 | 13.4 |
| LIGHTNING LAKE | 10500 | | | | 13.4 | 25.8 |
| LIGHTNING LAKE SNOTE | 10500 | 04/24 | - | 21.7 | 18.7 | 27.3 |
| LILY LAKE | 9050 | 04/25 | 9 | 3.2 | 4.6 | 14.2 |
| LILY LAKE SNOTEL | 9050 | 04/24 | - | 3.5 | 5.9 | 10.7 |
| LITTLE BEAR (LOWER) | 6000 | 04/24 | 0 | 0.0 | 0.0 | 1.9 |
| LITTLE BEAR (UPPER) | 6550 | 04/24 | 0 | 0.0 | 0.0 | 5.6 |
| LITTLE BEAR SNOTEL | 6550 | 04/24 | - | 0.0 | 0.0 | 4.3 |
| LITTLE GRASSY CREEK | 6100 | 04/27 | 0 | 0.0 | 0.0 | 0.1 |
| LITTLE GRASSY SNOTEL | 6100 | 04/24 | - | 0.0 | 0.5 | 0.1 |
| LONG FLAT | 8000 | 04/27 | 0 | 0.0 | 0.0 | 2.0 |
| LONG FLAT SNOTEL | 8000 | 04/24 | - | 0.0 | 1.8 | 2.6 |
| LONG VALLEY JCT. | 7500 | 04/27 | 0 | 0.0 | 0.7 | 0.0 |
| LONG VALLEY JCT. SNT | 7500 | 04/24 | - | 0.0 | 0.0 | 0.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------|-------|-------|------------|---------------|-----------|-----------------|
| LOOKOUT PEAK | 8200 | 04/24 | 33 | 17.2 | - | 19.0 |
| LOOKOUT PEAK SNOTEL | 8200 | 04/24 | - | 14.0 | - | 19.0 |
| LOST CREEK RESERVOIR | 6130 | 04/24 | 0 | 0.0 | 0.0 | 0.0 |
| MAMMOTH-COTTONWOOD | 8800 | 04/27 | 15 | 5.8 | 13.2 | 20.9 |
| MAMMOTH-COTTONWD SNT | 8800 | 04/24 | - | 0.5 | 9.5 | 17.5 |
| MERCHANT VALLEY (UP) | 8750 | 04/27 | 5 | 0.7 | 6.9 | 7.9 |
| MERCHANT VALLEY SNOT | 8750 | 04/24 | - | 0.0 | 7.4 | 7.6 |
| MIDDLE BEAVER CREEK | 8650 | | | | - | 4.0 |
| MIDDLE CANYON | 7000 | 04/25 | 0 | 0.0 | 0.0 | 10.0 |
| MIDWAY VALLEY | 9800 | 04/27 | 1 | 0.1 | 23.0 | 24.1 |
| MIDWAY VALLEY SNOTEL | 9800 | 04/24 | - | 4.1 | 26.0 | 21.6 |
| MILL CREEK | 6950 | 04/26 | 29 | 12.5 | 10.0 | 20.6 |
| MILL-D SOUTH FORK | 7400 | 04/27 | 10 | 1.1 | 2.8 | 15.4 |
| MILL-D NORTH | 8960 | 04/24 | 38 | 18.9 | - | 32.2 |
| MILL-D NORTH SNOTEL | 8960 | 04/24 | - | 18.5 | - | 32.2 |
| MINING FORK | 8000 | 04/25 | 18 | 7.2 | - | 25.8 |
| MINING FORK SNOTEL | 8000 | 04/24 | - | 6.9 | - | 25.8 |
| MONTE CRISTO R.S. | 8960 | 04/24 | 40 | 18.3 | 12.9 | 26.5 |
| MONTE CRISTO SNOTEL | 8960 | 04/24 | - | 25.6 | 19.8 | 29.1 |
| MOSBY MOUNTAIN (LOW) | 9500 | 04/26 | 6 | 1.5 | 4.0 | 10.5 |
| MOSBY MTN. SNOTEL | 9500 | 04/24 | - | 4.5 | 7.1 | 13.0 |
| MT. BALDY R.S. | 9500 | 04/27 | 35 | 12.9 | 20.9 | 26.2 |
| MUD CREEK #2 | 8600 | 04/27 | 2 | 0.9 | 4.8 | 8.9 |
| OAK CREEK | 7760 | 04/27 | 2 | 0.2 | 6.0 | 9.5 |
| ONE MILE SUMMIT | 7330 | | | | - | 0.0 |
| OTTER LAKE | 9600 | 04/27 | 10 | 2.0 | 11.9 | 14.5 |
| PANQUITCH LAKE | 8200 | 04/27 | 0 | 0.0 | 0.5 | 1.3 |
| PARADISE PARK | 10100 | 04/26 | 15 | 4.2 | 9.0 | 15.2 |
| PARLEY'S CANYON SUM. | 7500 | 04/26 | 15 | 4.7 | 3.7 | 14.2 |
| PARLEY'S CANYON SNOT | 7500 | 04/24 | - | 0.0 | 0.2 | 11.2 |
| PAYSON R.S. | 8050 | 04/27 | 4 | 0.5 | 7.2 | 16.3 |
| PAYSON R.S. SNOTEL | 8050 | 04/24 | - | 0.0 | 10.9 | 16.7 |
| PICKLE KEG SPRING | 9600 | 04/28 | 1 | 0.1 | 11.9 | 15.8 |
| PICKLE KEG SNOTEL | 9600 | 04/24 | - | 3.1 | 13.4 | 16.6 |
| PINE CANYON | 8000 | 04/24 | 11 | 5.1 | 1.6 | 14.8 |
| PINE CREEK | 8800 | 04/27 | 0 | 0.0 | 13.0 | 15.5 |
| PINE CREEK SNOTEL | 8800 | 04/24 | - | 0.0 | 19.7 | 15.5 |
| REDDEN MINE LOWER | 8500 | 04/25 | 9 | 3.3 | 9.5 | 17.9 |
| RED PINE RIDGE | 9200 | 04/27 | 3 | 0.6 | 11.4 | 15.9 |
| RED PINE RIDGE SNOTE | 9200 | 04/24 | - | 0.6 | 11.3 | 15.6 |
| REES'S FLAT | 7300 | 04/27 | 1 | 0.1 | 2.7 | 11.0 |
| REYNOLDS PARK | 10400 | | | | 12.9 | 18.0 |
| ROCK CREEK | 7900 | 04/27 | 0 | 0.0 | 0.0 | 1.4 |
| ROCK CREEK SNOTEL | 7900 | 04/24 | - | 0.0 | 0.0 | 0.2 |
| ROCKY BASIN-SETTLEMT | 8900 | 04/24 | 34 | 14.8 | 15.2 | 30.0 |

SNOW MEASUREMENT DATA (cont.)

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-------|-------|------------|---------------|-----------|-----------------|
| ROCKY BN-SETTLEMT SN | 8900 | 04/24 | - | 9.5 | 11.2 | 24.8 |
| SEELEY CREEK R.S. | 10000 | 04/27 | 19 | 6.2 | 15.5 | 19.0 |
| SEELEY CREEK SNOTEL | 10000 | 04/24 | - | 5.6 | 13.5 | 17.0 |
| SERGEANT LAKES | 8300 | | | | 5.7 | 11.7 |
| SHINGLE MILL | 6200 | 04/24 | 0 | 0.0 | 0.0 | 3.3 |
| SILVER LAKE (BRIGHT.) | 8730 | 04/27 | 46 | 19.4 | 14.2 | 28.2 |
| SMITH & MOREHOUSE | 7600 | 04/25 | 0 | 0.0 | 0.8 | 9.2 |
| SMITH MOREHOUSE SNTL | 7600 | 04/24 | - | 0.6 | 3.2 | 7.7 |
| SNOWBIRD GAD VALLEY | 9700 | 04/26 | 77 | 32.2 | - | 40.0 |
| SOAPSTONE R.S. | 7800 | 04/25 | 0 | 0.0 | 0.0 | 7.2 |
| SPIRIT LAKE | 10300 | 04/25 | 16 | 5.6 | 9.2 | 15.9 |
| SQUAW SPRINGS | 9300 | 04/27 | 0 | 0.0 | 0.0 | 4.9 |
| STEEL CREEK PARK | 10100 | 04/25 | 45 | 15.5 | 17.0 | 19.0 |
| STEEL CREEK PARK SNO | 10100 | 04/24 | - | 15.9 | 16.5 | 17.7 |
| STILLWATER CAMP | 8550 | 04/25 | 0 | 0.0 | 1.8 | 8.4 |
| STRAWBERRY DIVIDE | 8400 | 04/29 | 15 | 6.1 | 8.8 | 14.9 |
| STRAWBERRY DIVIDE SN | 8400 | 04/24 | - | 1.1 | 4.5 | 17.2 |
| STUART R.S. | 7950 | 04/27 | 0 | 0.0 | 0.0 | 2.3 |
| SUSC RANCH | 8200 | 04/26 | 0 | 0.0 | 0.0 | 2.7 |
| TALL POLES | 8800 | 04/26 | 0 | 0.0 | 11.7 | 12.7 |
| THAYNES CANYON | 9200 | | | | - | 23.7 |
| THAYNES CANYON SNOTL | 9200 | 04/24 | - | 15.5 | - | 23.7 |
| THISTLE FLAT | 8500 | | | | - | 17.5 |
| TIMPANOGOS DIVIDE | 8140 | 04/28 | 12 | 3.7 | 4.5 | 23.0 |
| TIMPANOGOS DIVIDE SN | 8140 | 04/24 | - | 2.7 | 3.2 | 19.9 |
| TONY GROVE LAKE | 8400 | 04/26 | 76 | 33.6 | 21.3 | 35.8 |
| TONY GROVE LK SNOTEL | 8400 | 04/24 | - | 36.4 | 21.3 | 33.7 |
| TONY GROVE R.S. | 6250 | 04/24 | 0 | 0.0 | 0.0 | 3.8 |
| TRIAL LAKE | 9960 | 04/25 | 46 | 18.1 | 12.3 | 26.6 |
| TRIAL LAKE SNOTEL | 9960 | 04/24 | - | 25.2 | 16.8 | 25.7 |
| TROUT CREEK | 9400 | 04/25 | 0 | 0.0 | 2.8 | 10.1 |
| TROUT CREEK SNOTEL | 9400 | 04/24 | - | 0.0 | 3.7 | 9.2 |
| UPPER JOES VALLEY | 8900 | 04/27 | 1 | 0.1 | 1.9 | 6.6 |
| VERNON CREEK | 7500 | 05/01 | 0 | 0.0 | 0.0 | 5.1 |
| VERNON CREEK SNOTEL | 7500 | 04/24 | - | 0.0 | 0.0 | 7.9 |
| VIPONT | 7670 | | | | - | 8.0 |
| WEBSTER FLAT | 9200 | 04/27 | 0 | 0.0 | 11.6 | 16.3 |
| WEBSTER FLAT SNOTEL | 9200 | 04/24 | - | 0.0 | 5.8 | 6.7 |
| WHITE RIVER #1 | 8550 | 04/27 | 0 | 0.0 | 6.6 | 10.6 |
| WHITE RIVER #1 SNOTE | 8550 | 04/24 | - | 0.0 | 6.3 | 10.2 |
| WHITE RIVER #3 | 7400 | 04/27 | 0 | 0.0 | 0.0 | 0.8 |
| WIDTSOE-ESCALANTE #3 | 9500 | 04/27 | 1 | 0.1 | 9.6 | 10.5 |
| WIDTSOE #3 SNOTEL | 9500 | 04/24 | - | 0.0 | 12.1 | 11.4 |
| WRIGLEY CREEK | 9000 | 04/28 | 0 | 0.0 | 4.6 | 9.0 |
| YANKEE RESERVOIR | 8700 | 04/27 | 0 | 0.0 | 7.5 | 7.3 |



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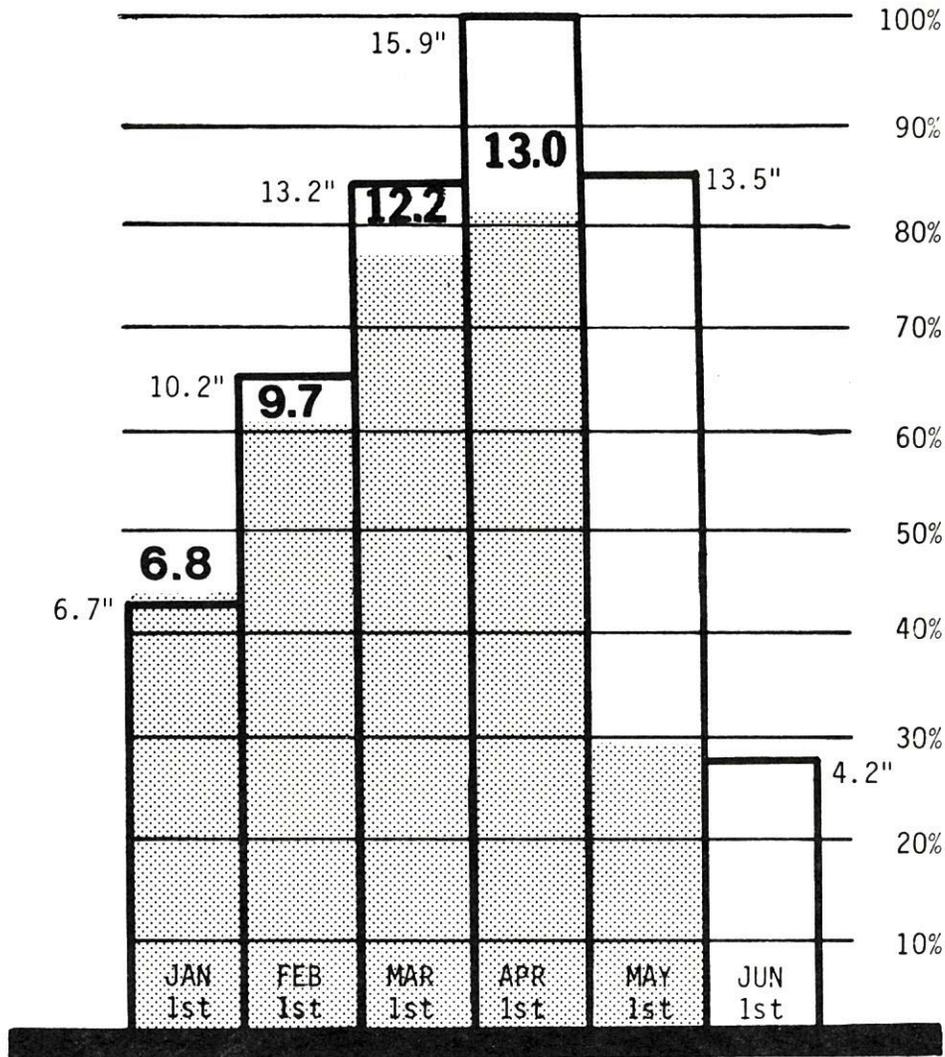
**Soil
Conservation
Service**

Salt Lake City,
Utah



Utah Snowpack Progress

1989



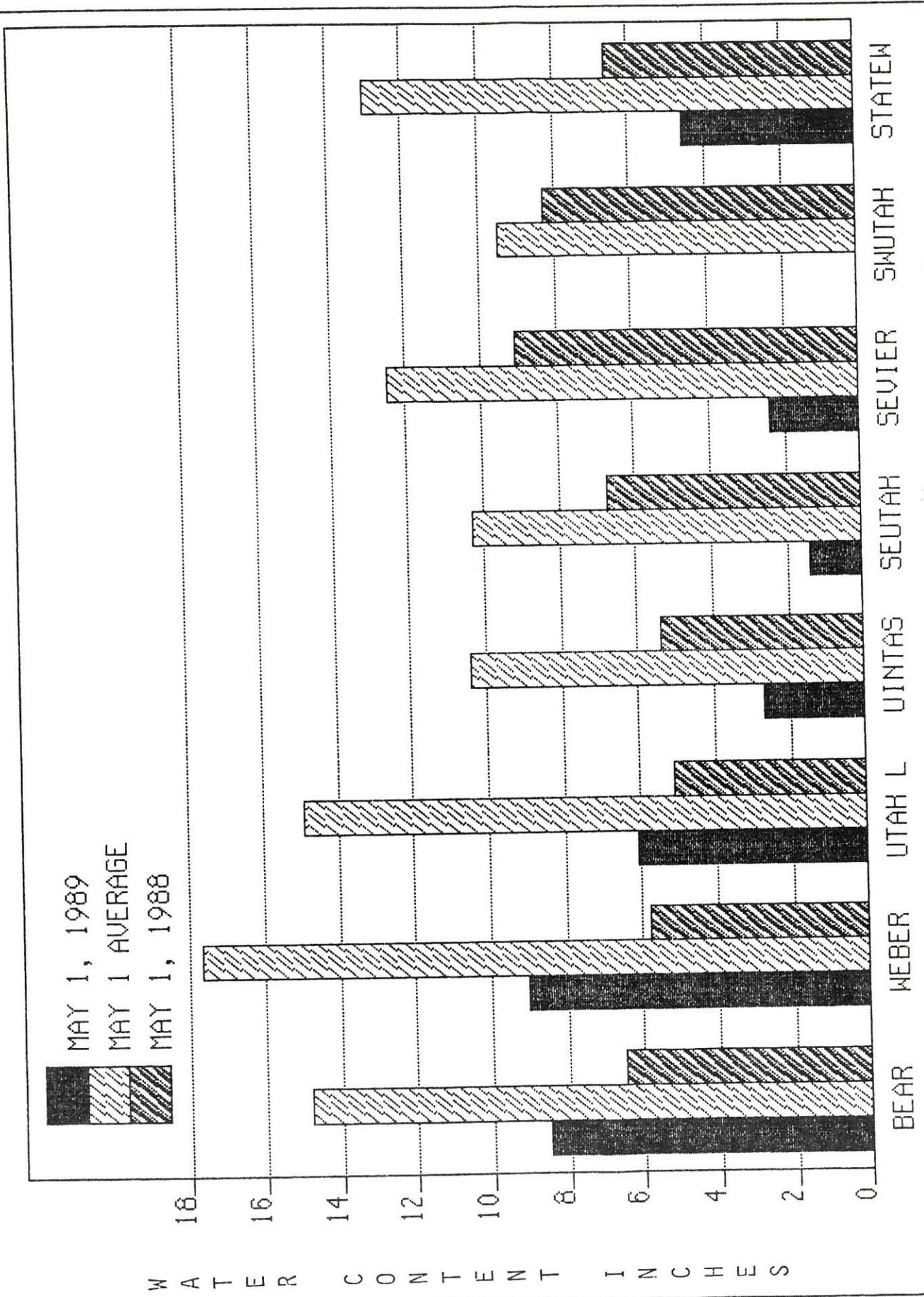
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



MAY 1, 1989

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- Users who depended on the monthly Water Supply Outlook Report needed the information much earlier in the month; and
- The reports contained more information than many users needed.

In summary, we are producing a report that is not doing the job for most users. And we are spending a lot of money on the report.

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FIRST, the users' direct access of forecasts by computer will be improved. We will provide better instructions and self-training materials. Also, District Conservationists who have computers will be encouraged to access forecasts and distribute local reports to those users who do not have computer facilities.

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THIRD, for users who are interested in the forecasts for their historical value rather than for decision-making, an annual summary will be provided. A West-Wide Report will continue to be available, published jointly with the National Weather Service.

This summer and fall will be spent developing the details of these new procedures. You will be informed prior to next water year's reports, and new mailing lists will be prepared.

Please call us or write if you have any questions.

Utah - Water Supply Outlook



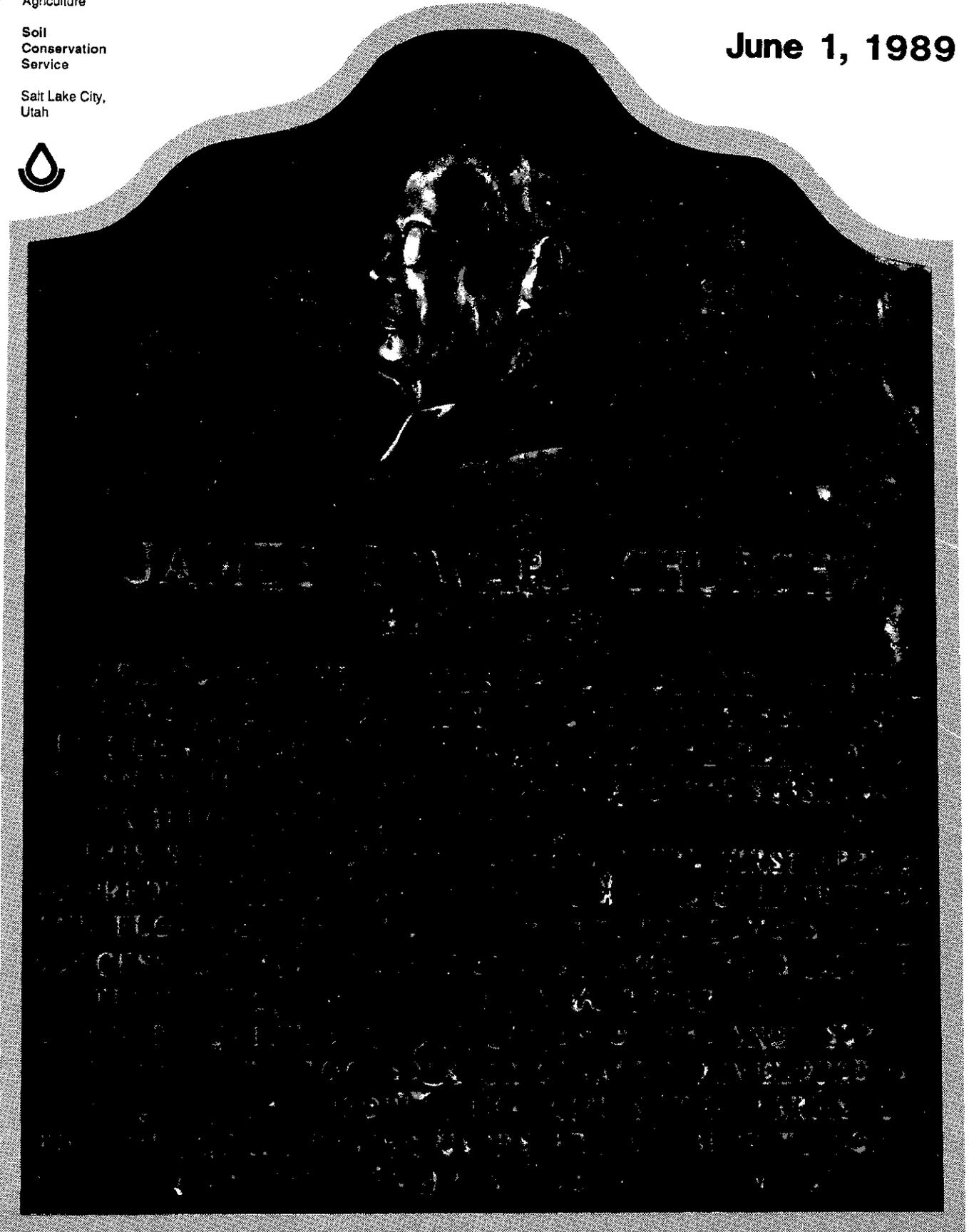
United States
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Soil
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Service

Salt Lake City,
Utah



June 1, 1989



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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In cooperation with

Utah State Department of Natural Resources
Robert L. Morgan D. Larry Anderson
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Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, handicap, marital status or national origin.

GENERAL OUTLOOK

SUMMARY

The undesirable water supply outlook of one month ago has deteriorated further following another month of below average rainfall in most areas. Streamflow forecasts have slipped another 5 to 30% and shortages are already occurring in some areas.

SNOWPACK

Snowpack on the watersheds of Utah as of June first is estimated at only 6% of average. Only a handful of the snow courses across the State still have snow. All snow courses in the watersheds draining into the Jordan River and Tooele Valley areas are bare as well as those in southeastern Utah and southwestern Utah. The Bear River snowpack is estimated at 7% of average, the Weber 5%, 6% on the Sevier, and the Uinta Mountains 12%. June first snowpack this year is generally slightly greater than last year in the northern mountains but much less than last year in southern Utah.

PRECIPITATION

May precipitation was the second consecutive month of below normal precipitation at mountain stations in all areas of the State. Some areas of Utah have had as many as six consecutive months of below normal precipitation and only one month this water year which recorded above normal rainfall. The Bear River basin received the most abundant rainfall with 87% of normal and the Sevier received the least with only 54% of average for the month. May rainfall at valley stations was extremely erratic with some stations receiving heavy thunderstorms which boosted monthly totals to well above normal. The majority of sites received only 50 to 80% of average rainfall in May.

Water year accumulation of precipitation at mountain stations has now fallen to below average levels in all seven regions of the State as we have them defined. Since the beginning of the water year on October first the Bear River watershed has received ninety-eight percent of normal rainfall with totals ranging downward to 62% of normal in the mountains of southwestern Utah. Seasonal accumulation of precipitation (October through May) at valley stations is generally about 80% of normal in the northern half of the State and 50 to 80% in southern Utah.

RESERVOIRS

Stored water reserves in 21 key irrigation reservoirs in the State are slightly below normal for the end of May at 92%. Most of the reservoirs in northern Utah are at or near capacity due to early snowmelt and should have adequate reserves to meet the needs of most users this season. Inflow to many of the reservoirs in the State in May was extremely low as a result of the early loss of snowpack experienced this season. Demand on reservoir storage will intensify more than usual this season because of unusually low inflow and may leave storage at dangerously low levels at the end of this growing season in southern and eastern Utah without above average precipitation.

STREAMFLOW

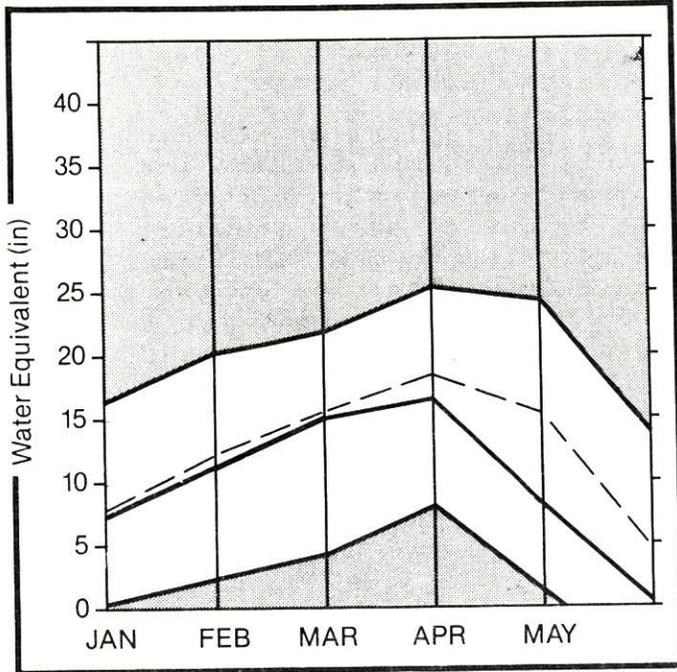
Projections of spring and summer streamflow have suffered another set-back as another month of below average precipitation goes into the record books. May flows are being reported which are only half of the previously recorded minimum. Total runoff for the April through July runoff period will probably be 5 to 10% lower in the North and 10 to 20% lower in the southern portion of the State than forecast last month as a result of below average precipitation in May. Shortages of irrigation water are already appearing in areas lacking adequate reservoir storage and areas relying on natural streamflow. The early runoff this year will mean that streamflows in June will more closely approximate what is normally not observed until July or August in a much drier than normal year.

NOTICE

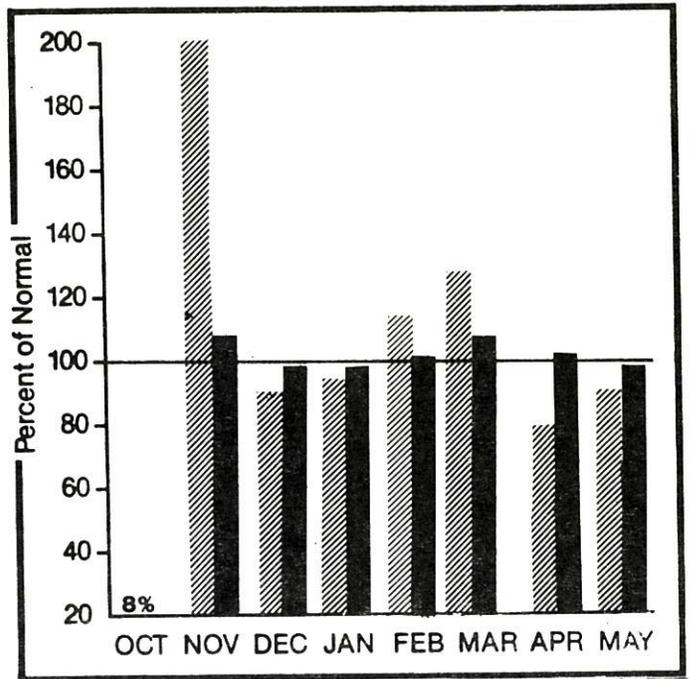
PLEASE REFER TO THE BACK OF THIS REPORT FOR WATER CONSERVATION TIPS THAT CAN HELP STRETCH WATER SUPPLIES THIS SEASON.

Bear River Basin

Mountain snowpack* (inches)

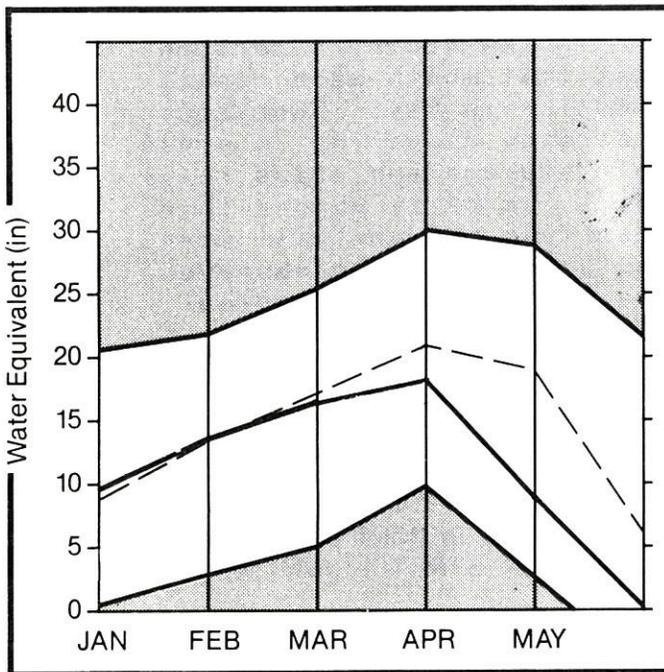


Precipitation* (percent of normal)

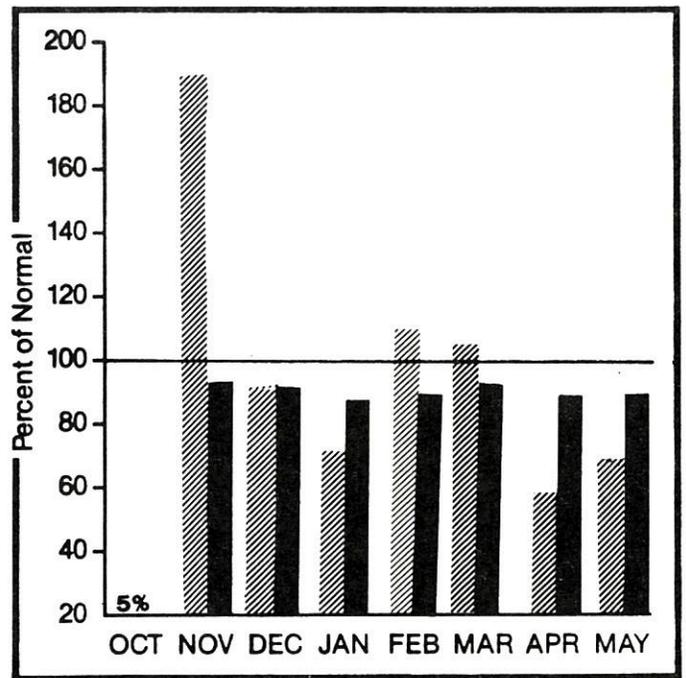


Weber & Ogden Watersheds

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

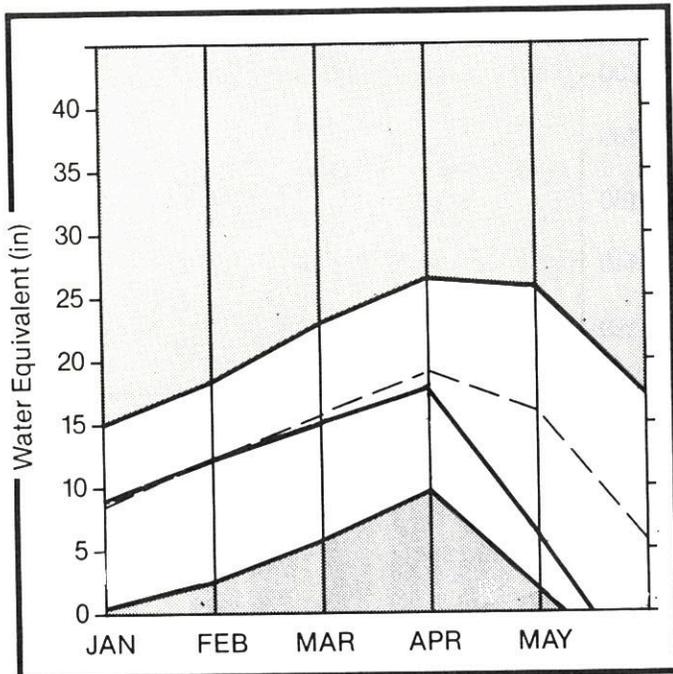
*Based on selected stations

Maximum  Average 
 Minimum  Current 

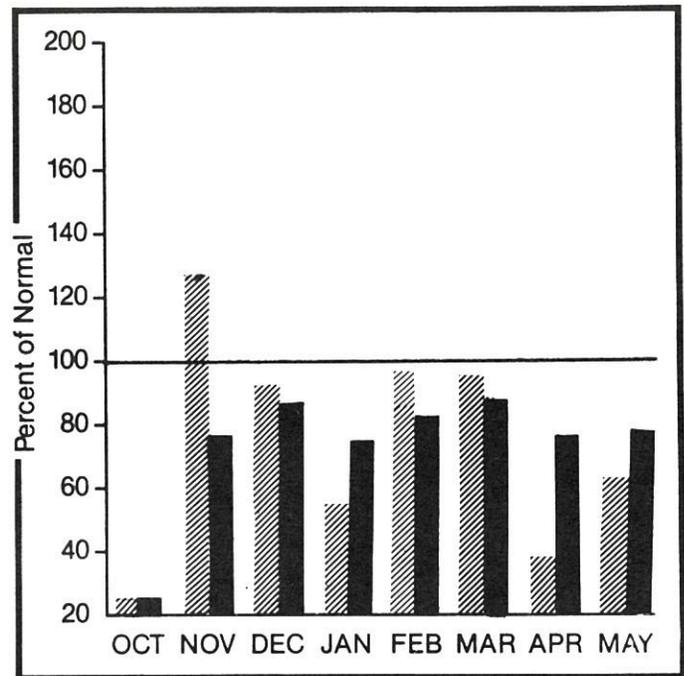
Monthly precipitation  Year to date precipitation 

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)

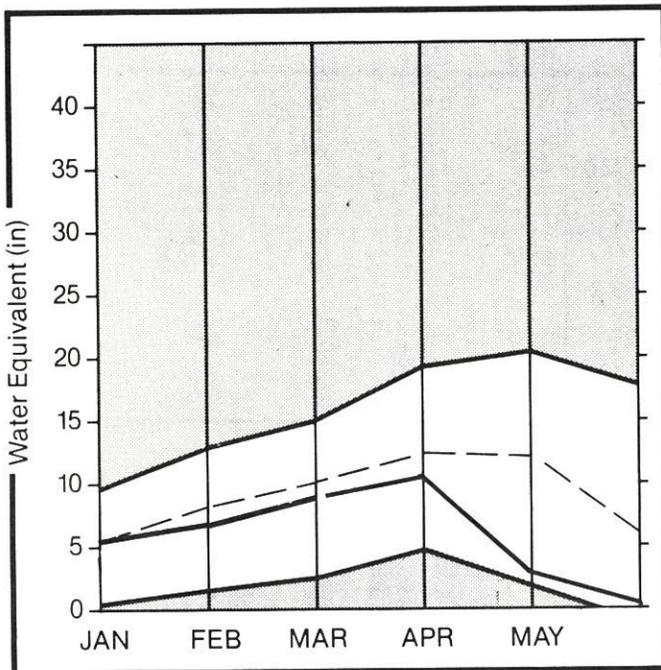


Precipitation* (percent of normal)

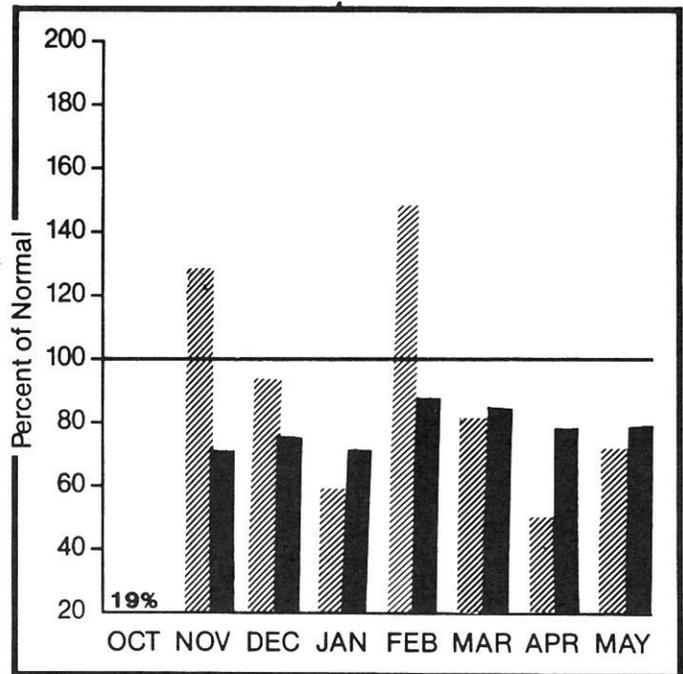


Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

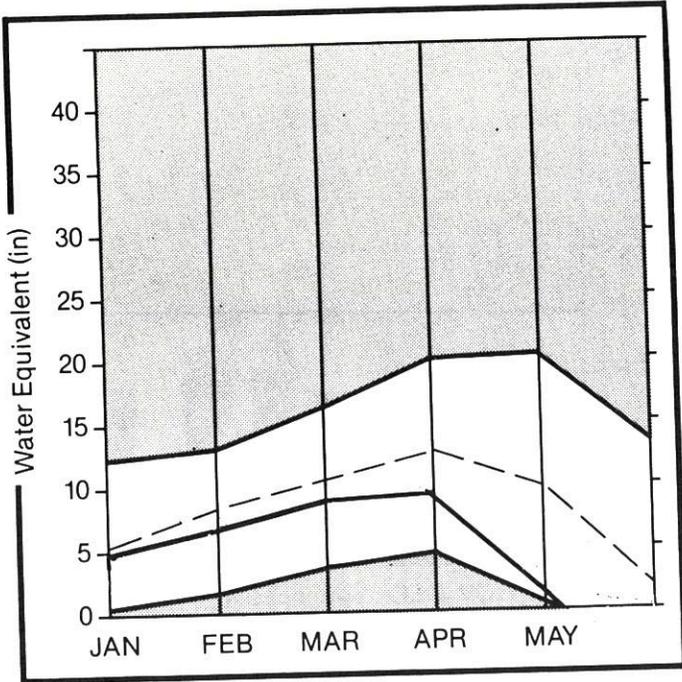
*Based on selected stations

Maximum Average
 Minimum Current

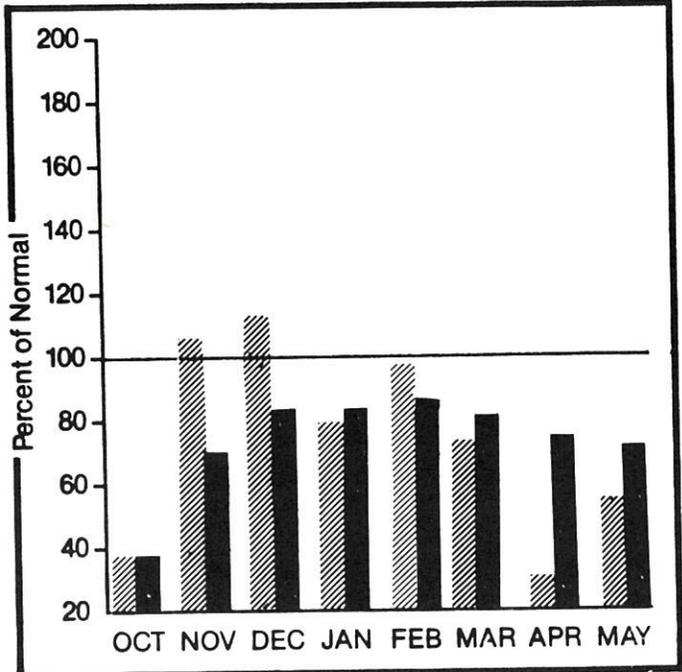
Monthly precipitation Year to date precipitation

Carbon, Emery, Wayne, Grand, and San Juan Co.

Mountain snowpack* (inches)

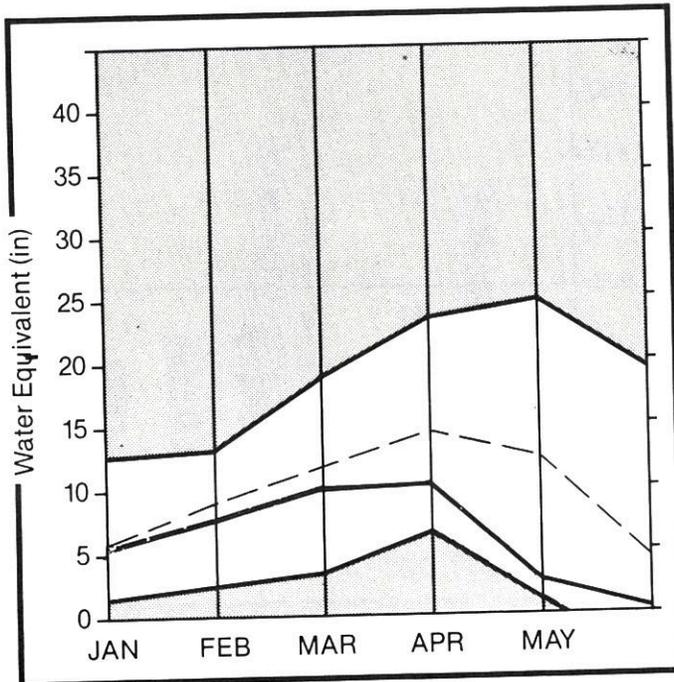


Precipitation* (percent of normal)

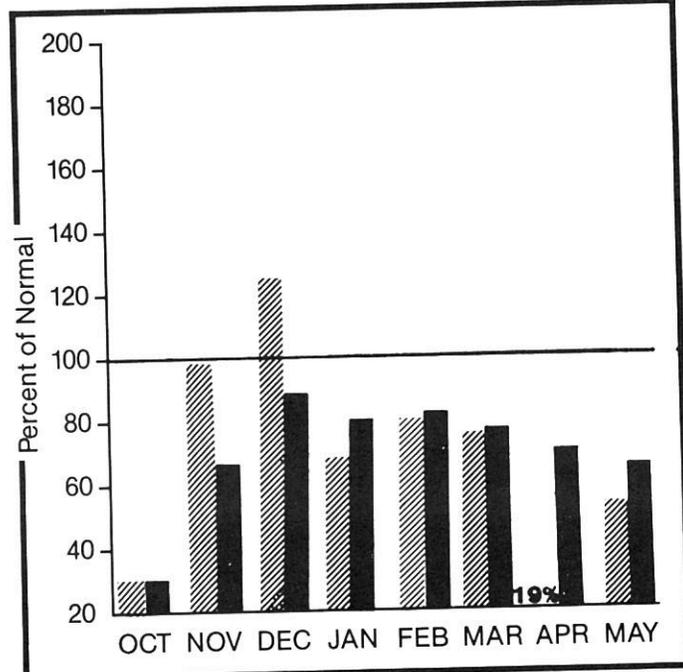


Sevier & Beaver River Basins

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

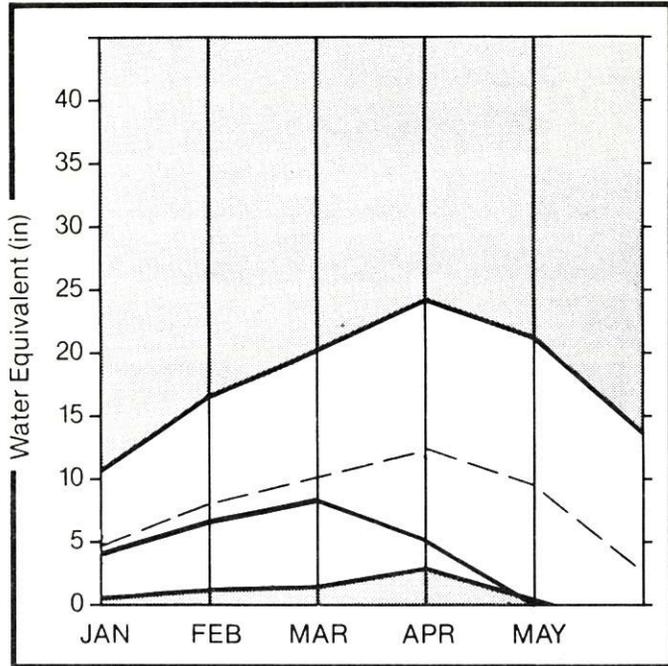
*Based on selected stations

Maximum Average
 Minimum Current

Monthly precipitation Year to date precipitation

E. Garfield, Kane, Washington, & Iron Co.

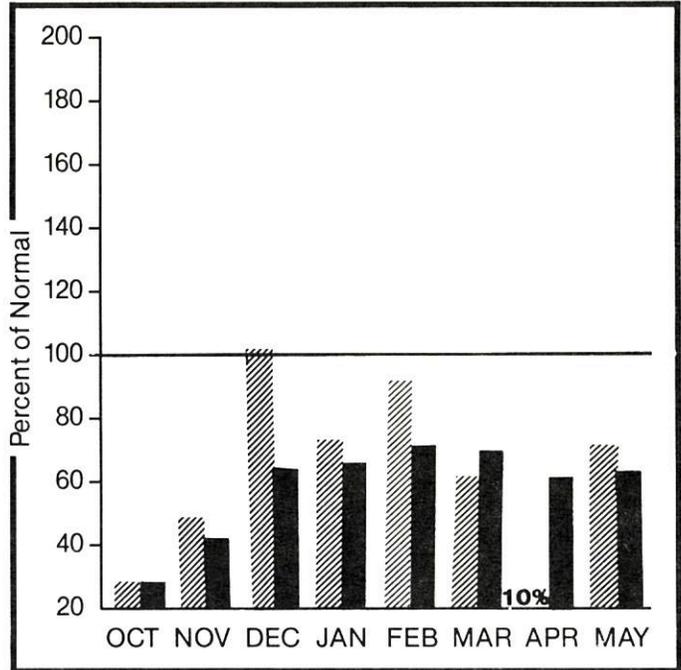
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

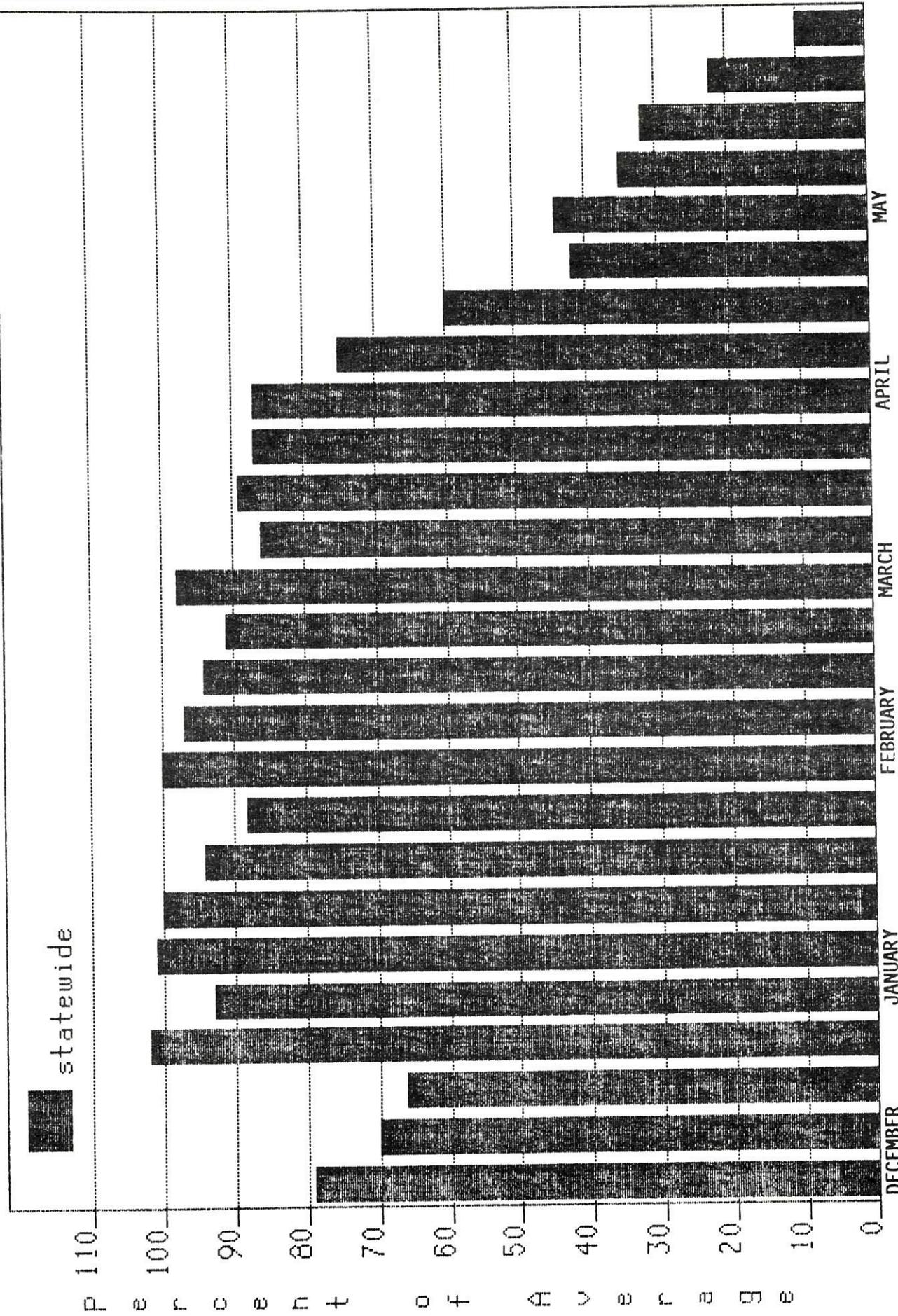
Precipitation* (percent of normal)



*Based on selected stations

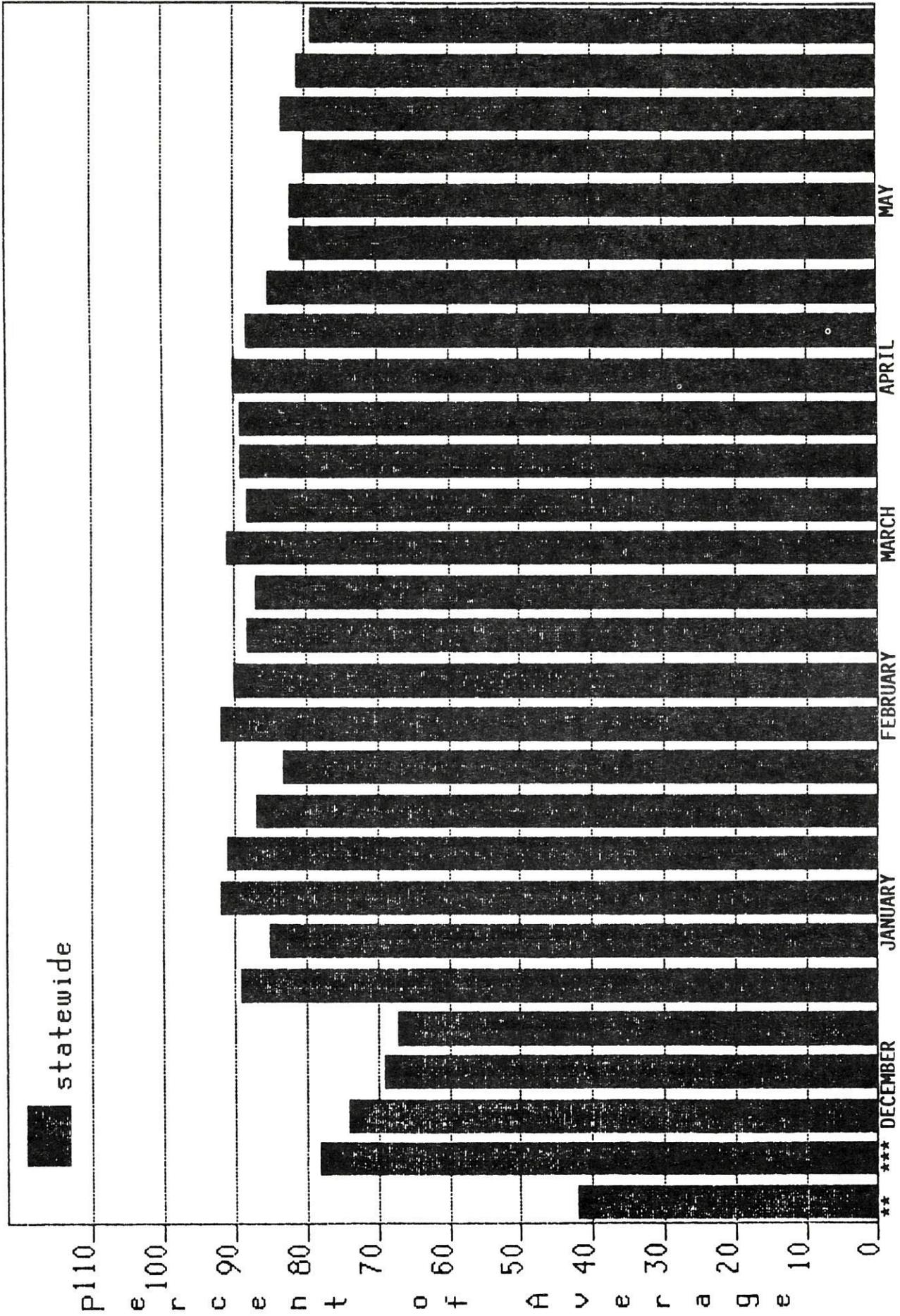
Monthly precipitation  Year to date precipitation 

SNOWPACK PROGRESS FOR WATER YEAR 1989 (SNOTEL)



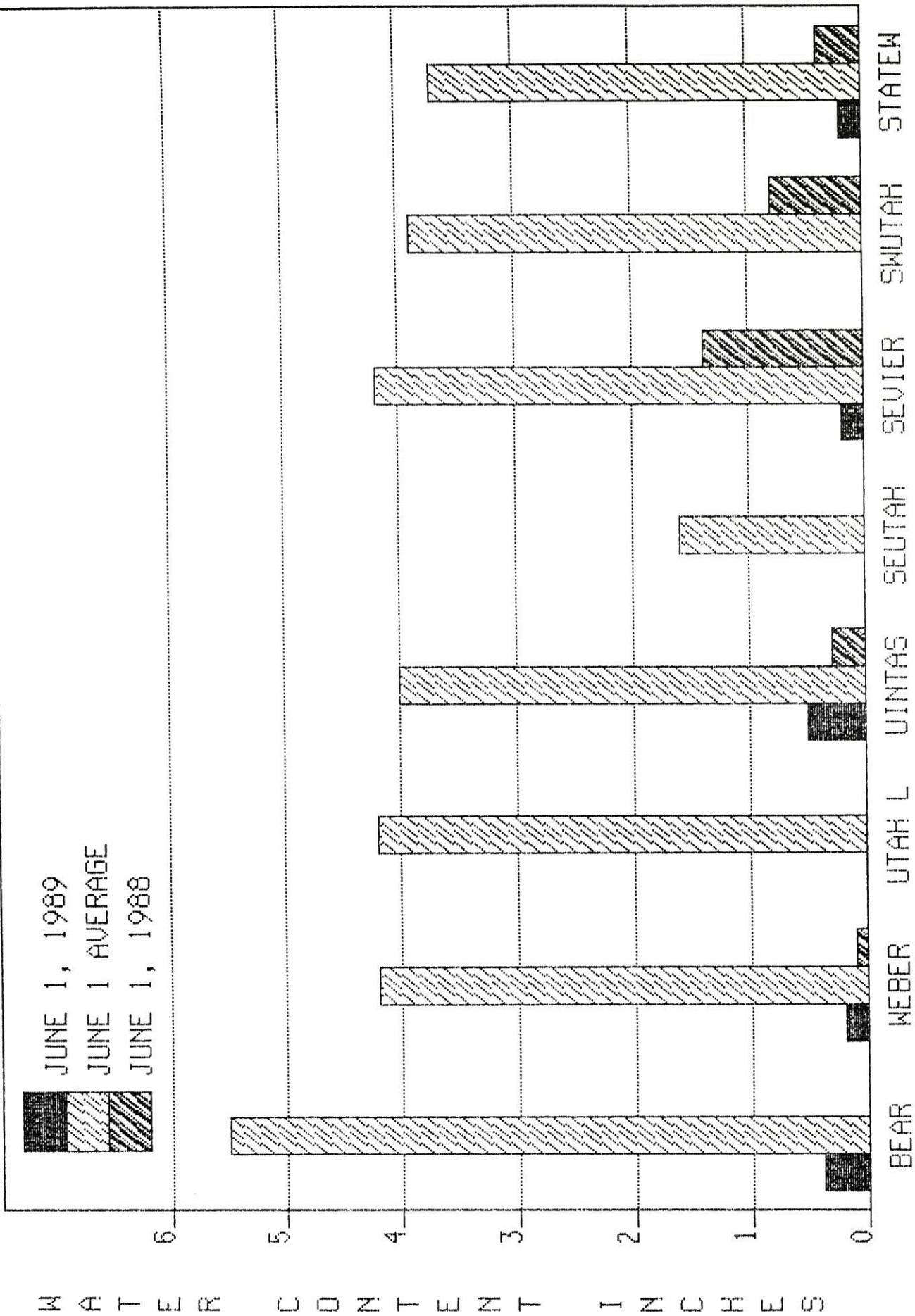
DECEMBER
 **Each Bar Represents The First Working Day Of Each Week.

MOUNTAIN PRECIPITATION PROGRESS FOR WATER YEAR 1989 (SNOTEL)



**NOVEMBER 14th
 ***NOVEMBER 28th
 ****Each Bar Represents The First Working Day Of Each Week.

1989 SNOWPACK COMPARISON



JUNE 1, 1989



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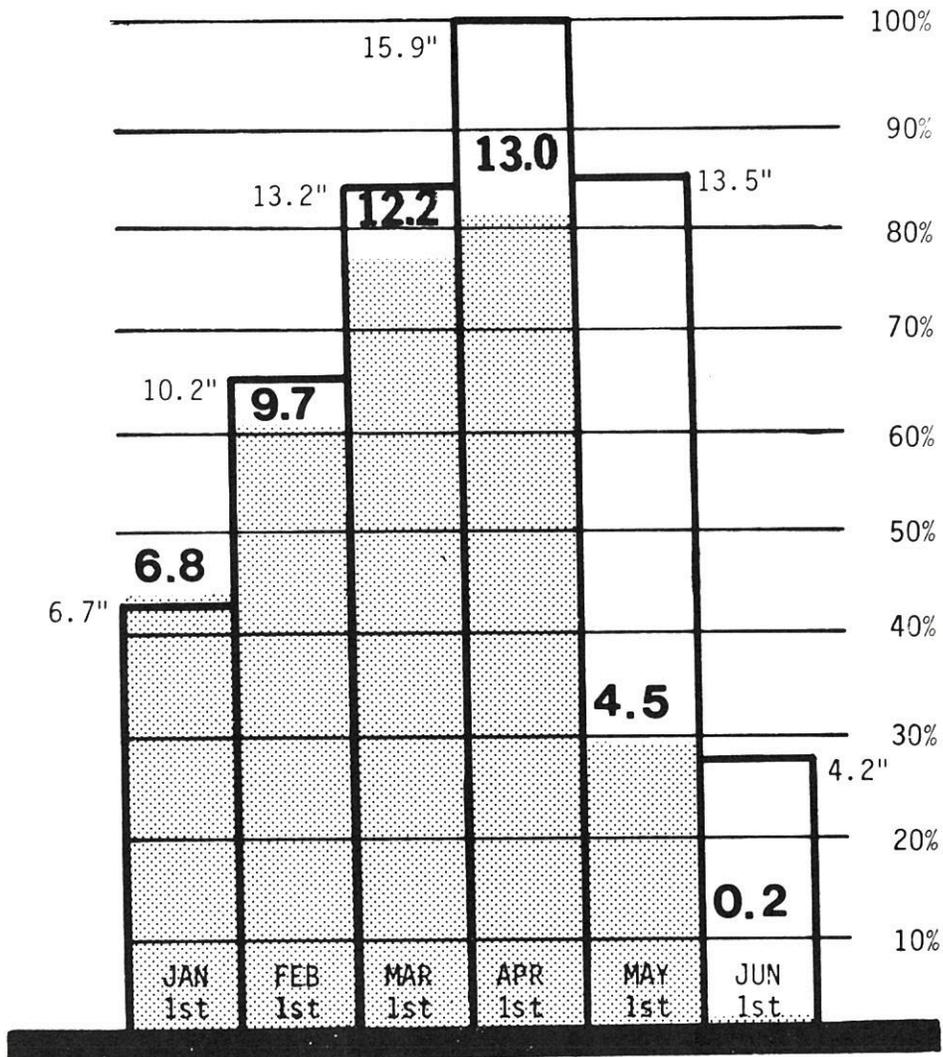
Soil
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Salt Lake City,
Utah



Utah Snowpack Progress

1989



Statewide

N O T E :

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OTHER PLACES FOR INFORMATION OR ASSISTANCE

Check with local ASCS office for possible special practices or cost-sharing that might assist with major irrigation changes on your farm this year.

Maintain contact with Farmers Home Administration for special local programs or disaster loans available.

Maintain contact with the local Cooperative Extension Service office for agricultural and marketing conditions.

If you belong to an irrigation district, contact irrigation officials throughout the season to learn about current water availability and water supply forecasts.

Consult commercial irrigation equipment suppliers for system efficiency ideas.

Check with your local Soil Conservation Service office and Conservation District officials for details concerning your soil and water conservation problems.

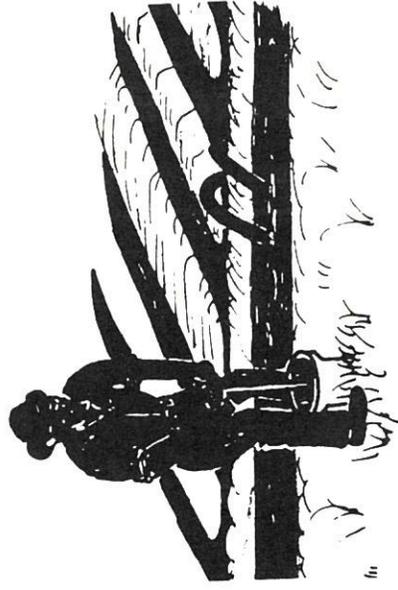


WATER CONSERVATION

TIPS

FOR STRETCHING

IRRIGATION WATER



Stretch Your Irrigation Water

Soil can absorb irrigation water only at a given rate, which varies for each soil type. Water requirements vary for different crops. Make sure you apply water to your crop only when needed. Check soil moisture by space, probe, or soil moisture meter, and make careful visual checks of your crops.

If you have a conservation plan on your farm, or if the soil in your area has been mapped, the Soil Conservation Service can cross-check soil type and irrigation data and provide you with the water holding capacity of your soil for a given crop.

Don't know if your soil has been mapped? Check with the local SCS office. Even if the soil has not been mapped, the SCS can supply you with general information.

Water stretching measures are important to most farmers in the West. To use your available water in the most productive way possible, here's a checklist to help you analyze your irrigation system.

IRRIGATION SYSTEMS

Inspect your system *before* water starts to flow.

Make sure ditches are clean and free from weeds, sediment, or other debris which can slow water velocity, affect delivery rate and increase evaporation.

Consider lining ditches with concrete or plastic. This could avoid the 10-90 percent loss which often occurs in ditches.

Make sure ditch structures — like headgates, drop structures, and pipe inlets — are strong and functional. A washed-out ditch structure could mean a lot of water lost.

Make sure ditchbanks are firm and not buried into by rodents. Rodent holes could cause leakage or failures.

Make sure your pump is operating at peak efficiency. Adequate maintenance will improve efficiency, guard against water loss, and avoid shutdowns.

SPRINKLER SYSTEMS

Make sure nozzles aren't worn and leaky. Check pipe connections and valves to prevent leaks.

Operate sprinklers at recommended pressure. Use application rate, efficiency factor and time of application to figure how much to apply.

Consider trickle systems for orchards, vineyards, etc. Operate at recommended design values and maintain the filter system.

IRRIGATION MANAGEMENT

Measure the amount of water applied to the field. This can indicate when and how much to irrigate.

Consider alternate row irrigation for crops planted in furrows. But remember to alternate the "alternate" row in later irrigations.

Consider shorter runs if you furrow irrigate. Match stream size and velocity to soil intake rate and capacity.

Consider catching and re-using tail water by pumping it back to the head of the system or re-using elsewhere.

Irrigate most crops when soil moisture reaches about 50 percent of capacity.



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OTHER PLACES FOR INFORMATION OR ASSISTANCE

Consult commercial nursery or garden suppliers for plant watering requirements and recommendations.

Check with your local Soil Conservation Service office, Conservation District officials, or Cooperative Extension Service office for details concerning your water conservation questions.



WATER CONSERVATION

TIPS

FOR STRETCHING

WATER FOR

YARDS AND GARDENS



Surviving a Water Shortage Takes Good Management

What can be done to nurture trees, shrubs, lawns and gardens through a water-short year?

First, try to learn all you can about how much water will be available and what regulations might be put into effect.

Absorb all you can about relationships among soil, water and plants — especially your own.

Develop a plan for applying water based on supply, needs, alternatives and current conditions.

Observe and measure how your plan is working.

Those plant, water and soil relationships are crucial to success of your management plan.

Plants differ in how much water they need to survive or prosper — and this varies with climate and changing weather conditions.

Sprinklers and other devices for applying water vary in how fast they can deliver water.

And finally, soils differ in how fast they absorb moisture, how much they store and how long they retain it.

A rule of thumb says 1 inch of moisture will penetrate 12 inches deep in sandy soil; 7 inches in loam, and 4 to 5 inches in clay.

ALTERNATIVES

Save water for plants that can't survive without it.

Reduce watering of other plants to subsistence level. (Lawns can do without water for a long time and green up again when moisture is available.)

Don't plant annuals when water shortage is imminent.

If a vegetable garden is important, many perennials can do without water better than annuals can.

Hold up on new landscaping or consider desert or native plants.

If you were planning to remove any lawn, trees or shrubs in the future; this would be the year to do the work before you start watering.

Change your lawn and garden watering system. Try automatic, drip or different sprinkler heads for better efficiency.

APPLY WATER EFFICIENTLY

Water deep and less often. Shallow, frequent watering encourages shallow roots, more evaporation loss and reduces the moisture reservoir in the soil.

For best results check how long it takes to soak the entire root zone and how long this watering will last.

Don't apply water faster than soil can absorb.

Don't let water run off into street or driveway.

Water early in the day to reduce evaporation loss.

CONSERVE MOISTURE

Mulch around trees and shrubs and between garden rows. This holds in moisture, discourages weeds which compete for moisture.

Aerate your lawn to permit better water penetration.

Set your lawn mower blade to leave 2 or more inches of grass after mowing.

Fertilize adequately. A sick looking lawn or garden many need more fertilizer, not more water. Apply fertilizer before regular watering.

If it rains, reduce watering time accordingly. Measure how much rain has fallen, adjust watering schedule and duration accordingly.

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