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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah

Water Supply Outlook

January 1, 1988



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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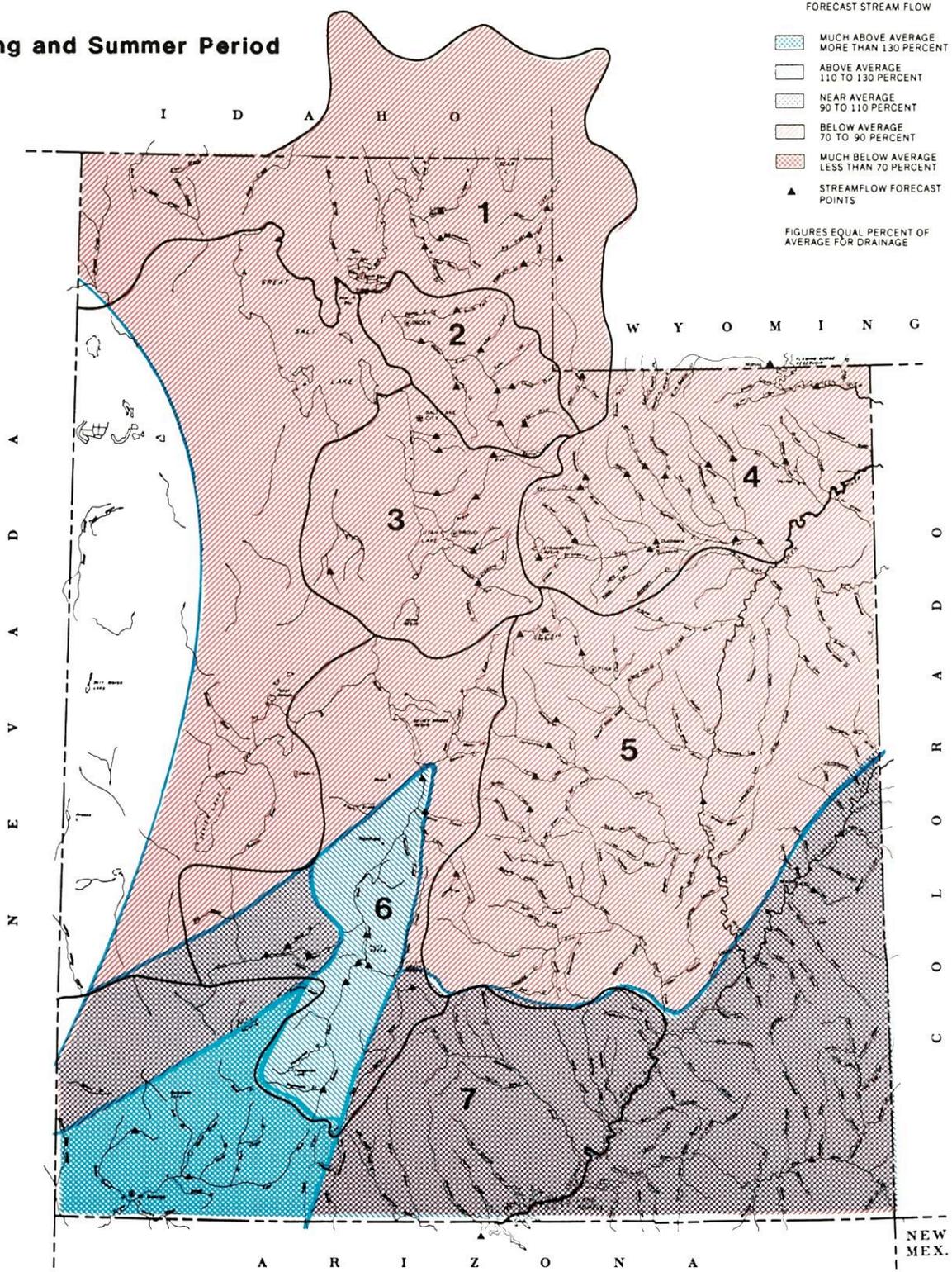
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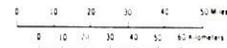
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Streamflow Prospects for Utah

Spring and Summer Period



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GENERAL OUTLOOK

SUMMARY:

For the second consecutive year the snowpack in northern Utah watersheds is only about one-half normal for the first of January. Southern Utah is in better shape, however, with near to much above average snowpack reported.

SNOWPACK:

Storm patterns so far this snow accumulation season have caused most storms to either miss Utah entirely or be so weak as to only drop minimal quantities of snow when they passed over the State. The Bear, Weber and Jordan River watersheds are suffering from the greatest deficit with snowpack only slightly in excess of one-half normal. The eastern end of the Uintas and watersheds south of the Utah Lake drainage enjoy greater quantities of snow with snow water accumulations in the 70 to 80% of average range. The southwestern area of the State, in sharp contrast to last year, has near to much above normal snow water in the snowpack. The Virgin and Escalante River Watersheds are 98% of average and the Enterprise to New Harmony drainages have 235% of average snow water.

PRECIPITATION:

Precipitation at mountain stations although not as low, percentage wise, as the snowpack would indicate is generally below average for the October-December period in northern Utah. Southern Utah, on the other hand, has had above average precipitation. Seasonal precipitation (October through December) at valley precipitation stations has been approximately 80% of normal in the North and 120% in the South.

RESERVOIRS:

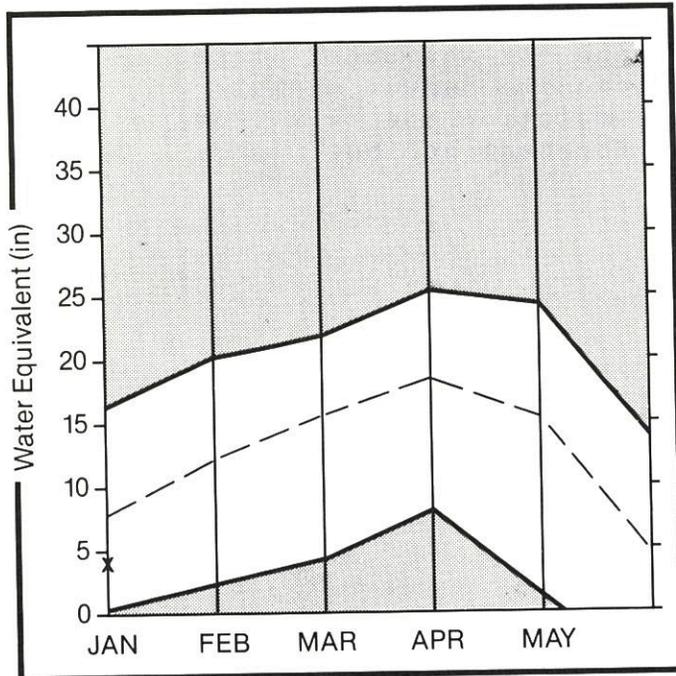
Stored water in the 25 key irrigation reservoirs in our sample as of the end of December was 113% of average which is 72% of capacity. Normally these reservoirs would be storing only 46% of capacity at this time of year. Last year these reservoirs held 85% of their cumulative capacity at the end of December. These relatively good supplies of stored water will become extremely valuable should the dry trend in northern Utah continue.

STREAMFLOW:

Streamflow forecasts as of January 1 increase from north to south across the State ranging for 56% of the April-July average for the Bear near Randolph to 140% of the April-June average for the Santa Clara near Pine Valley. These forecasts assume normal precipitation, snowpack accumulation and melt from now through the end of the forecast period.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum		Average	-----
Minimum		Current	—————

WATER SUPPLY OUTLOOK:

January 1 snowpack on the Bear River watershed is better than last year but still only 57% of normal. The Logan River has only 44% of average snow water equivalent. Below average streamflows are forecast. Assuming normal precipitation from now through the forecast period streamflows should range from 56% on the Bear near Randolph to 77% of the April-July average on the Logan River. Reservoir storage is slightly above average for the end of December with stored water at 70% 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

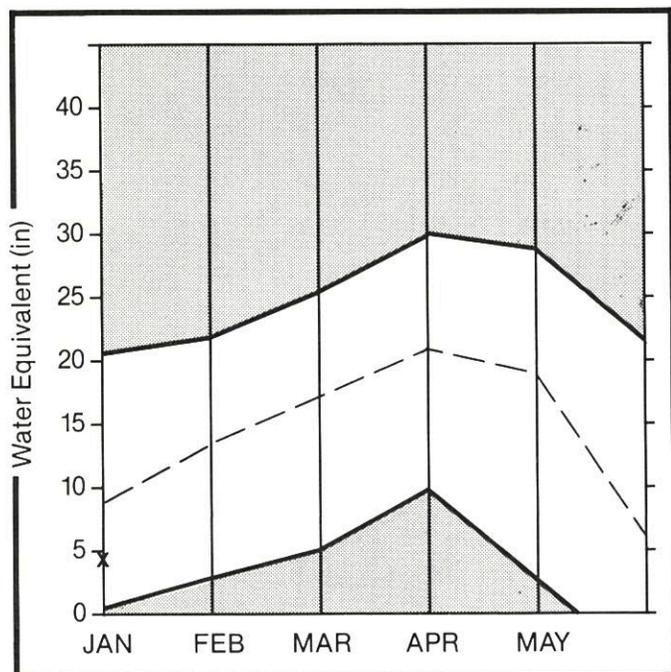
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	87.0	75	122.0	105	49.0	42
BEAR near Woodruff	APR-JUL	144.0	100.0	69	178.0	124	18.0	13
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	12.1	70	17.0	98	7.0	40
BIG CREEK near Randolph	APR-JUL	5.3	3.7	70	7.0	132	1.0	19
BEAR near Randolph	APR-JUL	126.0	70.0	56	154.0	122	28.0	22
THOMAS FORK near Stateline	APR-SEP	37.0	28.0	76	38.0	103	18.0	49
SMITHS FORK near Border	APR-SEP	122.0	85.0	70	119.0	98	51.0	42
BEAR RIVER near Harer	APR-SEP	326.0	212.0	65	346.0	106	101.0	31
LOGAN RIVER near Logan	APR-JUL	122.0	94.0	77	131.0	107	62.0	51
BLACKSMITH FORK near Hyrum	APR-JUL	57.0	43.0	75	72.0	126	17.0	30
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	32.0	76	56.0	133	8.0	19
CUB RIVER near Preston	APR-JUL	46.8	32.8	70	60.0	128	6.0	13

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY ¹	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
		THIS YEAR	LAST YEAR	AVG.				
BEAR LAKE	1421.0	1001.0	1068.8	992.6	BEAR RIVER, UPPER IN UTAH	6	102	63
HYRUM	15.3	10.1	8.5	10.0	BEAR RIVER, LOWER IN UTAH	10	144	52
FORCUPINE	11.3	3.0	10.0	2.8	BEAR R. DRAINAGE IN UTAH	15	129	55
WOODRUFF NARROWS	55.8	23.0	50.7	---	BEAR RIVER, UPPER	10	102	61
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	14	144	54
					BEAR RIVER DRAINAGE	22	127	57
					LOGAN RIVER	5	120	44
					RAFT RIVER	1	161	64
					BEAR RIVER BASIN	25	124	57

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River watershed as of January 1 is 54% of average. Increases to the snowpack between now and April 1 would have to be one-third greater than normal in order to have normal snow water equivalent by the first of April. Forecasts of spring and summer streamflow range from 59% of the April-June average on the Weber at Gateway to 75% on Hardscrabble Creek near Porterville. Weber Basin reservoirs are storing near average levels of water for this time of year. Storage is 58% of capacity.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

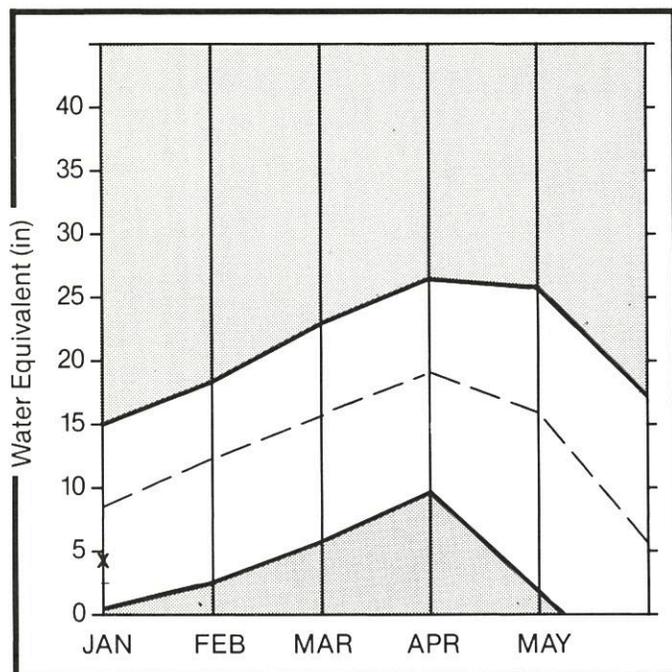
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SMITH AND MOOREHOUSE CREEK near Oakl	APR-JUN	30.1	22.5	75	34.0	113	13.0	43
WEBER RIVER near Oakley	APR-JUN	107.0	77.0	72	117.0	109	42.0	39
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	86.0	72	147.0	123	34.0	28
CHALK CREEK near Coalville	APR-JUN	41.0	29.0	71	50.0	122	14.0	34
WEBER RIVER near Coalville	APR-JUN	127.0	90.0	71	150.0	118	42.0	33
LOST CREEK near Croyden	APR-JUN	15.6	10.9	70	21.0	135	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	19.0	66	35.0	121	8.0	28
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	13.8	75	28.0	152	6.0	33
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	42.0	72	62.0	107	19.0	33
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	85.0	70	120.0	98	41.0	34
WHEELER CREEK near Huntsville	APR-JUN	6.3	4.3	68	6.0	95	2.0	32
ECHO RESERVOIR inflow	APR-JUN	163.0	115.0	71	192.0	118	53.0	33
WEBER RIVER at Gateway	APR-JUN	328.0	195.0	59	326.0	99	70.0	21
FARMINGTON CREEK near Farmington	APR-JUL	8.2	6.1	74	12.0	146	2.0	24

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY ¹	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
CAUSEY	7.1	3.6	4.5	2.1	OGDEN RIVER	4	120	52
EAST CANYON	48.1	30.4	39.7	33.3	WEBER RIVER	13	105	54
ECHO	73.9	43.1	62.5	41.4	WEBER & OGDEN WATERSHEDS	17	109	54
LOST CREEK	20.0	16.7	16.2	12.7				
PINEVIEW	110.1	38.9	69.3	50.0				
ROCKPORT	60.9	25.0	47.4	34.1				
WILLARD BAY	165.5	125.3	150.9	104.9				

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum		Average	
Minimum		Current	

WATER SUPPLY OUTLOOK:

January 1 snowpack is much below normal. The Provo River-Utah Lake watershed has 56% of average water content and the Jordan River tributaries east of the Salt Lake Valley have 55%. Streamflow is forecast below average ranging from 62% for Hobbie Creek near Springville to 94% for Utah Lake Inflow for the April-July period. Deer Creek Reservoir has 106% of normal water in storage as of the end of December and Utah Lake has 118% 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

SREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
PROVO near Hailstone	APR-JUL	113.0	95.0	84	142.0	126	51.0	45
PROVO below Deer Creek Dam	APR-JUL	133.0	105.0	79	160.0	120	42.0	32
AMERICAN FORK near American Fk.	APR-JUL	34.0	26.0	76	35.0	103	19.0	56
HOBBLE CREEK near Springville	APR-JUL	23.3	14.5	62				
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	42.0	70	59.0	98	20.0	33
PAYSON CREEK near Payson	APR-JUL	7.3	5.3	73				
UTAH LAKE inflow	APR-JUL	295.0	278.0	94	428.0	145	131.0	44
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	31.0	76	39.0	95	20.0	49
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	32.0	82	38.0	97	25.0	64
PAPLEY'S CREEK near SLC	APR-JUL	17.0	12.0	71	19.0	112	6.0	35
MILL CREEK near SLC	APR-JUL	6.9	5.7	83	8.0	116	2.0	29
EMIGRATION CREEK near SLC	APR-JUL	4.6	3.2	70				
CITY CREEK near SLC	APR-JUL	9.0	7.5	83	10.0	111	5.0	56
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.9	83	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.2	73	4.0	133	1.0	33
VERNON CREEK near Vernon	APR-JUN	1.2	0.9	73	1.6	136	0.1	8

RESERVOIR STORAGE

(1000AF)

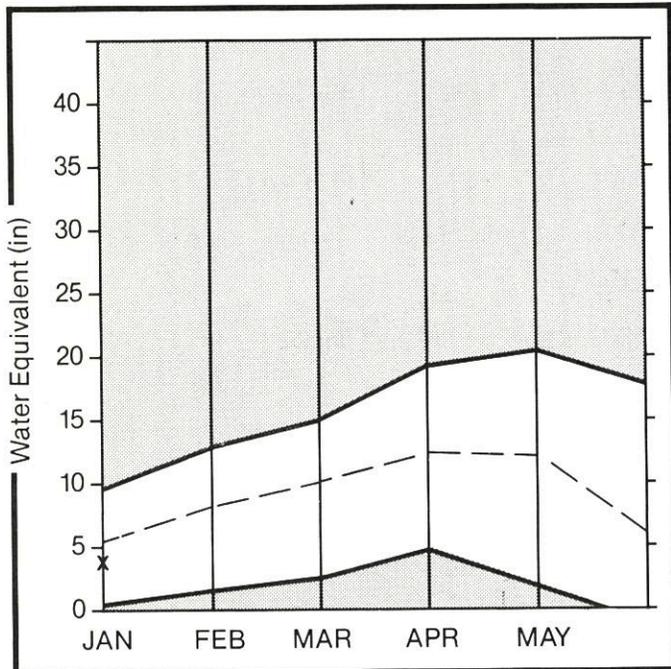
WATERSHED SNOWPACK ANALYSIS

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	99.3	113.1	93.5	PROVO RIVER & UTAH LAKE	10	169	56
GRANTSVILLE		NO REPORT			PROVO RIVER	5	141	51
SETTLEMENT CREEK	1.0	0.5	0.8	0.6	JORDAN RIVER & GREAT SALT	5	96	55
STRAWBERRY-ENLARGED		NO REPORT			TOOELE & VERNON W.S.'S	0	0	0
UTAH LAKE	855.5	711.0	903.0	601.6	UTAH L.-JORDAN R.-TOOELE	15	131	56
VERNON CREEK		NO REPORT						

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
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 The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

January 1 snowpack on the Uintas varies from 53% of normal on the Strawberry River watershed to 112% on Sheep Creek. The Duchesne snowpack is 66% of average. Below average flows are forecast for next spring and summer provided normal precipitation is received from now through the forecast period. The Strawberry River at Duchesne is forecast 70% and the Lakefork River near Mountain Home is forecast 94% of normal for the April-July forecast period. Reservoir storage is 146% of average and 85% 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

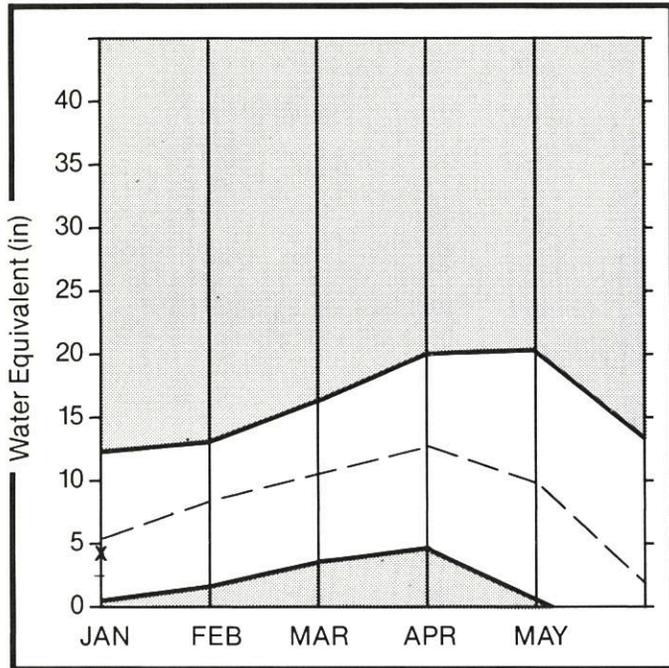
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DUCHESNE RIVER near Tabiona	APR-JUL	105.0	80.0	76	107.0	102	47.0	45
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	145.0	77	204.0	108	88.0	47
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	48.0	70	69.0	100	27.0	39
ROCK CREEK near Mountain Home	APR-JUL	95.0	80.0	84	112.0	118	54.0	57
CURRENT CREEK near Fruitland	APR-JUL	20.0	14.0	70	20.0	100	8.0	40
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	65.0	93	89.0	127	45.0	64
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	55.0	83	83.0	126	27.0	41
DUCHESNE near Hyton	APR-JUL	223.0	170.0	76	259.0	116	43.0	19
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	50.0	83	75.0	125	25.0	42
UINTAH RIVER near Neola	APR-JUL	86.0	69.0	80	105.0	122	33.0	38
DUCHESNE near Randlett	APR-JUL	257.0	200.0	78	390.0	152	80.0	31
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	20.0	71	27.0	96	10.0	36
HENRY'S FORK near Manila	APR-SEP	51.0	45.0	88	68.0	133	27.0	53
BLACK'S FORK near Millburne	APR-JUL	90.0	80.0	89	117.0	130	49.0	54
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	1225.0	85	1729.0	120	778.0	54
ASHLEY CREEK near Vernal	APR-JUL	52.0	48.0	92	66.0	127	34.0	65

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY ¹	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
FLAMING GORGE	3749.0	3216.2	3257.0	---	UPPER GREEN RIVER in UTAH	9	110	88
MOON LAKE	35.8	19.8	25.6	13.6	ASHLEY CREEK	2	140	59
RED FLEET	26.0	20.0	17.1	---	BLACK'S FORK RIVER	3	88	79
STEINAKER	33.3	24.7	32.2	18.2	SHEEP CREEK	2	106	112
STARVATION	165.3	155.7	149.8	105.2	DUCHESNE RIVER	10	126	66
STRAWBERRY-ENLARGED		NO REPORT			LAKE FORK-YELLOWSTONE CK.	3	107	81
					STRAWBERRY RIVER	3	223	53
					UINTAH-WHITEROCKS RIVERS	3	102	69
					UINTAH BASIN & DAGGET SCD	19	118	76

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Water content in the snowpack of southeastern Utah watersheds is 73% of average. Some individual watersheds are: Price River-58%, Muddy River-76% and Lasal Mountains 117%. Most streamflow forecasts are for below average flows during the upcoming irrigation season. Ferron Creek near Ferron is forecast 80% and the San Juan near Bluff is forecast 101% for the April-July period. All reservoirs in our sample are storing above average supplies of water for this time of 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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	10.9	91	17.0	142	5.0	42
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	38.0	83	57.0	124	22.0	48
PRICE near Heiner	APR-JUL	78.0	70.0	90				
ELECTRIC LAKE Inflow	APR-JUL	15.1	12.5	83	19.0	126	7.0	46
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	47.0	85	72.0	131	28.0	51
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	39.0	83	57.0	121	21.0	45
FERRON CREEK near Ferron	APR-JUL	41.0	33.0	80	51.0	124	15.0	37
HUDDY CREEK near Emery	APR-JUL	21.0	18.0	86	31.0	148	5.0	24
COLORADO near Disco, UT	APR-JUL	3457.0	3300.0	95	5305.0	153	1710.0	49
GREEN near Green Fv., UT	APR-JUL	3182.0	2750.0	86	3896.0	122	1541.0	48
MILL CREEK near Moab	APR-JUL	5.5	5.5	100	9.0	164	2.0	36
NAVAJO RESERVOIR inflow	APR-JUL	764.0	700.0	92	1158.0	152	349.0	46
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1100.0	101	1842.0	169	533.0	49
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.7	88	10.0	154	2.0	31

RESERVOIR STORAGE

(1000AF)

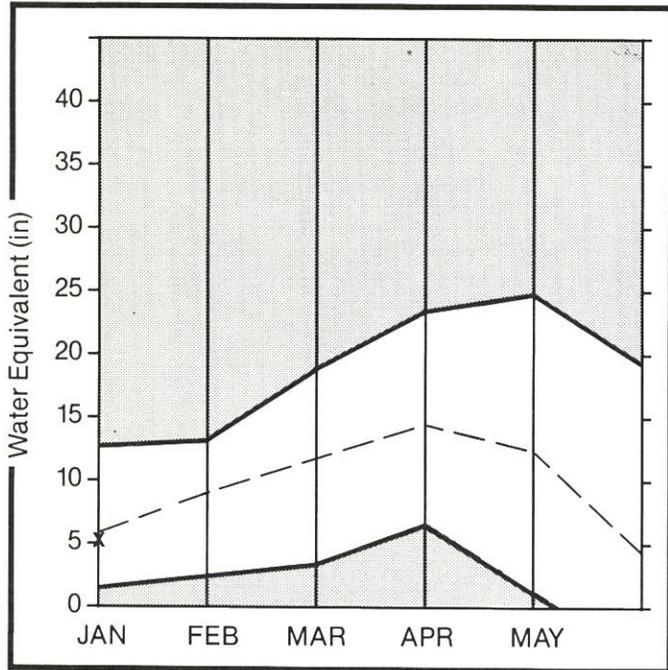
WATERSHED SNOWPACK ANALYSIS

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	3.6	3.2	2.0	PRICE RIVER	3	266	58
JOE'S VALLEY	61.6	44.2	46.2	42.7	SAN RAFAEL RIVER	7	202	73
KEN'S LAKE		NO REPORT			HUDDY RIVER	2	253	76
MILL SITE	16.7	6.8	10.6	3.0	FREMONT RIVER	4	86	63
SCOFIELD	65.8	37.6	48.8	30.3	LASAL MOUNTAINS	0	0	0
					BLUE MOUNTAINS	2	166	88
					WILLOW CREEK - WHITE RIVE	2	118	31
					SOUTHEASTERN UTAH	19	164	73

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 The average is computed for the 1961-85 base period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier is more abundant than on the watersheds to the north ranging from 82% on the East Fork to 83% on the Upper Sevier and South Fork and 84% on the Lower Sevier. The Beaver River has 106% of normal January 1 snow water. Streamflow forecasts range from 69% of average on Oak Creek near Oak City to 134% of the April-July average for the Sevier below Piute Dam. The reservoir storage picture is bright with end of December storage at 170% of normal which is 66% 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

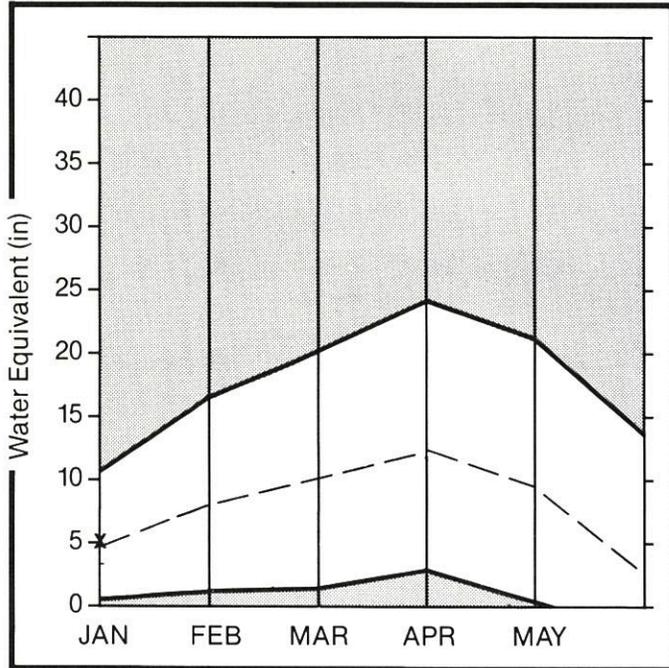
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	65.0	125	95.0	183	43.0	83
SEVIER near Circleville	APR-JUL	44.0	55.0	125				
SEVIER near Kingston	APR-JUL	34.0	40.0	118	80.0	235	10.0	29
ANTIMONY CREEK near Antimony	APR-JUL	8.9	9.0	101				
E F SEVIER near Kingston	APR-JUL	24.0	30.0	125	55.0	229	19.0	79
SEVIER blw Piute Dam	APR-JUL	56.0	75.0	134	136.0	243	32.0	57
CLEAR CREEK near Sevier	APR-JUL	22.0	26.0	118				
SIGURD to GUNNISON	APR-JUL	44.0	55.0	125	103.0	234	11.0	25
KINGSTON to VERMILLION DAM	APR-JUN	40.0	50.0	125				
VERMILLION DAM to GUNNISON	MAR-JUN	53.6	65.0	121				
SALINA CREEK at Salina	APR-JUN	18.2	13.0	71				
SEVIER nr Gunnison	APR-JUL	99.0	119.0	120				
CHALK CREEK near Fillmore	APR-JUL	16.4	13.0	79	23.0	140	3.0	18
CHICKEN CREEK near Levan	APR-JUL	3.5	2.6	74	4.0	114	1.0	29
DAK CREEK near Oak City	APR-JUL	1.6	1.1	69	3.0	188	1.0	62
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	19.0	76				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	8.5	74				
SALT CREEK near Nephi	APR-JUL	13.5	10.3	76	23.0	170	4.0	30
BEAVER RIVER near Beaver	APR-JUL	27.0	24.0	89	44.0	163	9.0	33
NORTH CREEK near Beaver (combined)	APR-JUL	14.6	14.0	96	28.0	192	6.0	41
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	10.2	115	17.0	191	4.0	45

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	9.2	16.8	9.5	U SEVIER (s of Richfield)	11	158	83
MINERSVILLE (RkyFd)	26.0	13.8	17.5	9.3	EAST FORK SEVIER RIVER	4	144	82
OTTER CREEK	52.7	44.6	49.9	23.8	SOUTH FORK SEVIER RIVER	7	166	83
PIUTE	71.8	47.1	60.1	29.3	LOWER SEVIER RIVER	12	190	84
SEVIER BRIDGE	236.0	155.1	214.1	87.0	BEAVER RIVER	3	186	106
ANQUITCH LAKE	22.3	18.6	17.2	---	SEVIER & BEAVER R. BASINS	26	178	86

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Southwestern Utah watersheds have generally received near to above average snowfall so far this season. The Virgin and Escalante have 98% of normal January 1 snowpack while Parowan Creek and Coal Creek have 103% of normal. The Pine Valley-Bull Valley Mountain area has 235% of normal snowpack. Local streams are forecast much above average next spring and summer. Lake Powell Inflow, however, is forecast at 85% of normal. Gunlock reservoir is 62% of capacity (51% more water than a year ago).

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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MTN. (1000AF)	REAS. MTN. (% AVG.)
VIRGIN near Hurricane	APR-JUN	68.0	90.0	132	126.0	185	52.0	76
SANTA CLARA near Pine Valley	APR-JUN	5.0	7.0	140				
COAL CREEK near Cedar City	APR-JUL	20.0	26.0	130	36.0	180	19.0	95
LAKE POWELL inflow	APR-JUL	8046.0	6800.0	85	10823.0	135	3340.0	42

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	** LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
GUNLOCK	10.4	6.5	4.3	---	VIRGIN RIVER	5	320	98
LAKE POWELL	25002.0	0.0	22564.0	---	PAROWAN	4	161	103
QUAIL CREEK		NO REPORT			ENTERPRISE TO NEW HARMONY	2	406	235
UPPER ENTERPRISE		NO REPORT			COAL CREEK	3	283	103
LOWER ENTERPRISE		NO REPORT			ESCALANTE RIVER	2	63	98
					SOUTHWESTERN UTAH	12	242	105

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500				-	7.5
ATWOOD LAKE	10500				-	5.5
BEAVER CREEK DIVIDE	8280	12/27	16	2.9	1.8	5.7
BEAVER DAMS	8000	01/01	26	5.2	1.1	4.8
BEN LOMOND PEAK	8000	12/26	33	6.8	7.7	14.7
BEN LOMOND TRAIL	6000	12/26	20	3.4	2.5	7.1
BEVAN'S CABIN	6450				3.9	2.6
BIG FLAT	10290	01/01	43	8.9	6.2	7.0
BIRCH CROSSING	8100	12/30	19	3.2	1.1	3.3
BLACK'S FLAT-U.M. CK	9400	12/31	19	3.0	2.6	5.0
BLACK'S FORK	9200	01/01	-	4.8E	2.3	6.1
BLACK'S FORK GS-EF	9340	12/28	18	3.0	2.0	3.7
BLACK'S FORK JUNCTN	8930	12/27	19	3.6	3.1	3.9
BOX CREEK	9300	12/31	26	4.4	2.0	5.6
BRIAN HEAD	10000	12/31	48	10.9	7.7	9.1
BRIGHTON	8750	12/31	28	5.9	-	15.4
BROWN DUCK RIDGE	10600	12/28	34	7.6	8.6	8.6
BRYCE CANYON	8000	12/31	7	1.2E	1.0	2.1
BUCK FLAT	9800	01/01	28	5.3	2.5	7.1
BUCK PASTURE	9700				-	9.0
BUCKBOARD FLAT	9000	01/05	27	6.0	3.6	6.5
BUG LAKE	7950	12/26	28	5.1	4.8	8.3
BURT'S-MILLER RANCH	7900	12/27	10	1.6	2.0	2.4
CAMP JACKSON	8600	01/06	28	5.6	3.4	6.7
CASTLE VALLEY	9580	12/29	24	5.2	2.2	6.1
CHALK CREEK #1	9100	12/27	31	6.5	8.8	10.0
CHALK CREEK #2	8200	12/27	24	4.2	4.9	6.5
CHALK CREEK #3	7500	12/27	14	2.6	2.4	3.6
CHEPETA	10300	12/28	24	4.4	4.5	5.3
CHEPETA-WHITERKS. LK	10350				-	6.6
CLEAR CREEK MEADOWS	9420	1/01	-	6.1E	3.8	9.5
CLEAR CREEK RIDGE #1	9200	01/02	28	5.3	2.6	8.1
CLEAR CREEK RIDGE #2	8000	01/02	23	3.8	2.2	6.6
CLEAR CREEK RIDGE #3	6600	01/02	15	2.8	.7	3.8
CURRENT CREEK	8000	12/29	10	1.5	.1	4.5
DANIELS-STRAWBERRY	8000	12/29	16	3.1	.7	6.2
DESERET PEAK	9250				3.6	12.2
DILL'S CAMP	9200	01/01	20	3.8	1.1	5.2
DONKEY RESERVOIR	9800	12/31	15	2.5	7.1	3.3
DRY BREAD POND	8350	12/26	21	4.6	2.6	8.5
DUCK CREEK R.S.	8700	12/29	-	3.0E	2.4	5.5
EAST SHINGLE LAKE	9800				-	13.3
EAST WILLOW CREEK	8250				-	5.7
FARMINGTON CANYON	8000	01/02	34	6.1	6.4	13.7
FARMINGTON CANYON L.	6950	01/02	28	4.6	4.4	10.4
FARNSWORTH LAKE	9600	01/01	37	7.7	7.4	8.3
FISH LAKE	8700	12/31	12	2.3	.9	3.9
FIVE POINT LAKE	11000				-	7.0
G.B.R.C. HEADQUARTER	8700	01/01	28	5.4	2.7	7.3
G.B.R.C. MEADOWS	10000	01/01	39	8.2	5.9	9.9
GARDEN CITY SUMMIT	7600	12/26	20	2.5	1.9	7.6
GEORGE CREEK	8840				-	8.8
GOOSEBERRY R.S.	8000	01/01	28	5.0	3.2	5.3
HARDSCRABBLE	6700	01/02	21	4.4	1.4	9.3
HARRIS FLAT	7700	12/29	6	1.1	.6	3.4
HAYDEN FORK	9400	12/27	20	4.3	3.8	6.2
HENRY'S FORK	10000				-	6.5

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
HEWINTA G.S.	9500	12/28	21	4.1	3.3	3.8
HOLE-IN-THE-ROCK	9150	12/28	24	3.8	1.8	2.8
HOLE-IN-THE-ROCK GS	8300				-	1.0
HICKERSON PARK	9100	12/28	26	5.0	2.9	3.8
HOBBLE CREEK SUMMIT	7420	12/29	21	3.5	1.3	6.9
HORSE RIDGE	8260	12/26	25	4.5	3.6	9.0
HUNTINGTON-HORSESHOE	9800	01/02	35	8.5	5.9	10.2
INDIAN CANYON	9100	01/02	24	4.1	3.1	5.6
JOHNSON VALLEY	8850	12/31	10	1.9	.7	3.3
KILFOIL CREEK	7300	12/26	18	2.8	2.5	6.0
KIMBERLY MINE (UPPER)	9300	01/01	35	7.3	5.7	6.5
KING'S CABIN (UPPER)	8730	12/28	13	2.0	1.8	4.5
KLONDIKE NARROWS	7400	12/26	22	3.7	2.8	8.2
KOLDB-CRYSTAL	9250	12/31	49	9.6	1.4	8.5
LAKEFORK BASIN	11100				-	9.3
LAKEFORK MOUNTAIN #1	10200	12/28	23	4.8	3.9	5.2
LAKEFORK MOUNTAIN #3	8400	12/27	10	1.3	.3	3.1
LAMES CANYON	7400	12/29	21	4.0	4.3	7.3
LASAL MOUNTAIN LOWER	8800	01/07	28	5.2	2.6	4.5
LASAL MOUNTAIN (UPP)	9850	01/07	42	9.0	7.5	7.6
LIGHTNING LAKE	10500				-	10.2
LILY LAKE	9050	12/27	23	4.0	5.2	6.5
LITTLE BEAR (LOWER)	6000	12/26	23	3.7	1.2	4.7
LITTLE BEAR (UPPER)	6550	12/26	24	3.7	1.6	5.5
LITTLE GRASSY CREEK	6100	12/31	14	2.1	.3	1.0
LONG FLAT	8000	12/31	21	5.2	1.5	2.1
LONG VALLEY JCT.	7500	12/29	5	0.9	.2	2.3
LOST CREEK RESERVOIR	6130	12/26	8	0.8	.0	2.3
MAMMOTH-COTTONWOOD	8800	01/02	35	6.3	3.0	9.0
MERCHANT VALLEY (UP)	8750	01/01	34	4.4	1.0	5.3
MIDDLE BEAVER CREEK	8650				-	1.8
MIDDLE CANYON	7000				4.8	6.1
MIDWAY VALLEY	9800	12/31	48	11.2	6.2	9.0
MILL CREEK	6950	12/29	22	4.8	7.6	9.8
MILL D SOUTH FORK	7400	12/30	26	5.4	4.3	8.6
MONTE CRISTO R.S.	8960	12/26	28	6.0	4.6	9.6
MOSEY MOUNTAIN (LOW)	9500	12/28	15	2.7	2.1	4.5
MT. BALDY R.S.	9500	01/01	47	9.5	6.1	10.0
MUD CREEK #2	8600	01/02	21	2.8	1.4	6.0
OAK CREEK	7760	12/29	14	3.0	1.1	6.1
ONE MILE SUMMIT	7330				-	1.5
OTTER LAKE	9600	01/01	33	5.3	2.8	5.2
PANQUITCH LAKE	8200	12/29	4	0.6	.4	2.4
PARADISE PARK	10100	12/27	19	3.9	4.2	6.2
PARLEY'S CANYON SUM.	7500	12/29	24	4.9	4.4	8.3
PAYSON R.S.	8050	12/29	26	5.4	3.2	8.3
PICKLE KEG SPRING	9600	01/01	31	5.4	2.2	7.0
PINE CANYON	8000	12/26	21	4.3	3.1	8.0
PINE CREEK	8800	01/01	42	7.9	2.6	7.7
REDDEN MINE LOWER	8500	12/27	25	4.9	3.0	8.6
RED PINE RIDGE	9200	01/02	28	4.7	2.7	7.0
REES'S FLAT	7300	12/29	15	3.1	2.2	6.6
REYNOLDS PARK	10400				-	7.7
ROCK CREEK	7900	12/27	11	1.6	.2	3.6
ROCKY BASIN-SETTLEMT	8900				7.4	13.7
SEELEY CREEK R.S.	10000	01/01	29	6.8	2.1	7.1
SERGEANT LAKES	8300				-	8.3

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
SHINGLE MILL	6200	01/04	22	5.2	.4	4.0
SILVER LAKE (BRIGHT.)	8730	12/30	25	5.6	5.2	10.9
SMITH & MOREHOUSE	7600	12/27	14	3.2	3.2	5.6
SNOWBIRD GAD VALLEY	9700				-	19.5
SOAPSTONE R.S.	7800	12/27	-	3.2E	2.2	5.5
SPIRIT LAKE	10300	12/28	29	5.5	7.0	5.6
SQUAW SPRINGS	9300	12/31	14	2.4	.6	3.9
STEEL CREEK PARK	10100	12/28	28	5.5	8.7	7.7
STILLWATER CAMP	8550	12/27	18	2.8	2.8	4.4
STRAWBERRY DIVIDE	8400	01/01	-	5.6E	2.3	8.5
STUART R.S.	7950	01/02	13	2.0	.5	4.1
SUSC RANCH	8200	12/30	18	2.3	.1	3.6
TALL POLES	8800	12/30	33	5.6	3.5	6.2
THAYNES CANYON	9200	12/25	28	4.9	5.0	-
THISTLE FLAT	8500				-	6.8
TIMPANOGOS DIVIDE	8140	01/02	21	4.0	2.8	10.3
TONY GROVE LAKE	8400	12/26	34	7.1	6.1	16.2
TONY GROVE R.S.	6250	12/26	15	2.2	1.8	5.1
TRIAL LAKE	9960	12/27	32	6.6	6.5	11.0
TROUT CREEK	9400	12/28	21	3.6	2.2	5.0
UPPER JOES VALLEY	8900	01/02	16	2.1	.7	4.4
VERNON CREEK	7500				.1	4.7
VIPONT	7670				-	6.2
WEBSTER FLAT	9200	12/31	35	6.6	.8	6.9
WHITE RIVER #1	8550	01/02	21	3.8	2.0	6.1
WHITE RIVER #3	7400	01/02	16	2.7	.1	3.9
WIDTSOE-ESCALANTE #3	9500	12/31	30	5.8	6.0	5.2
WRIGLEY CREEK	9000	01/01	19	2.9	1.6	4.4
YANKEE RESERVOIR	8700	12/29	21	4.1	2.5	4.4



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Agriculture

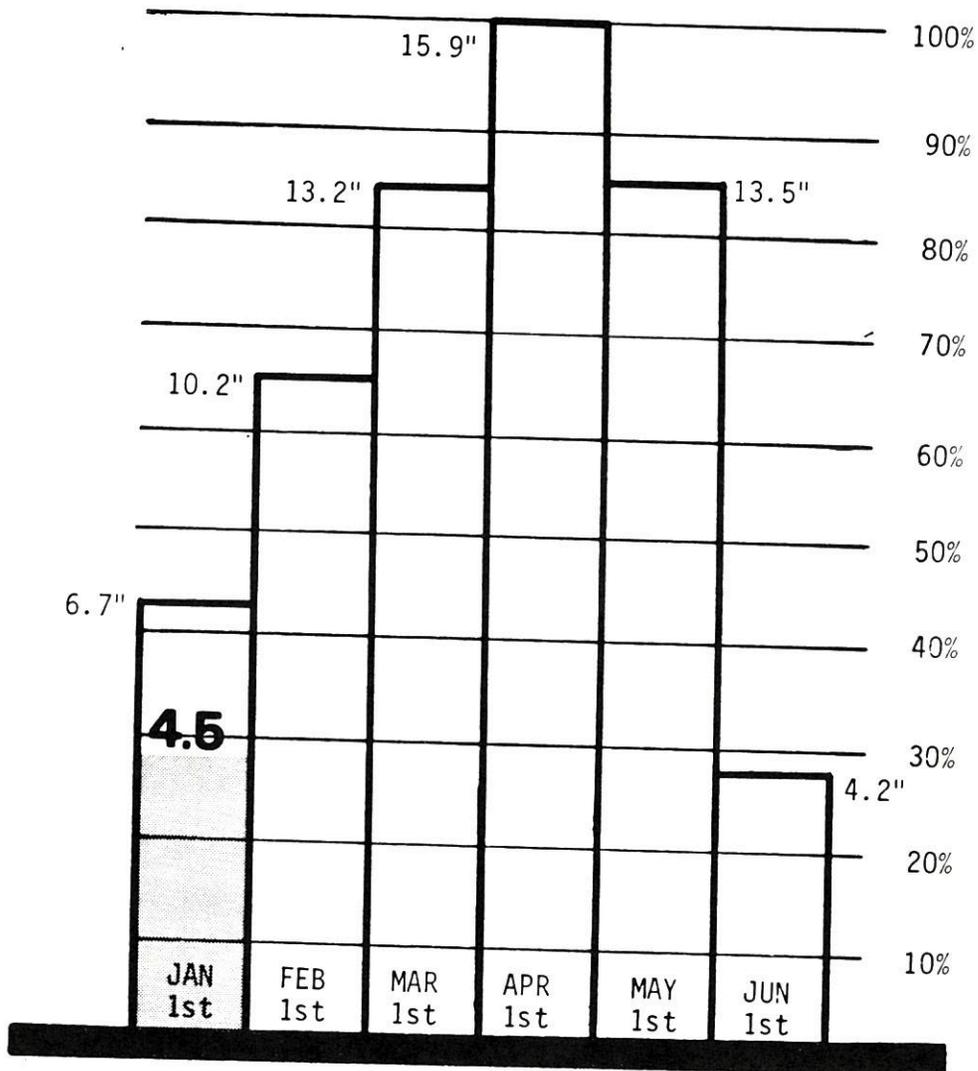
**Soil
Conservation
Service**

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.

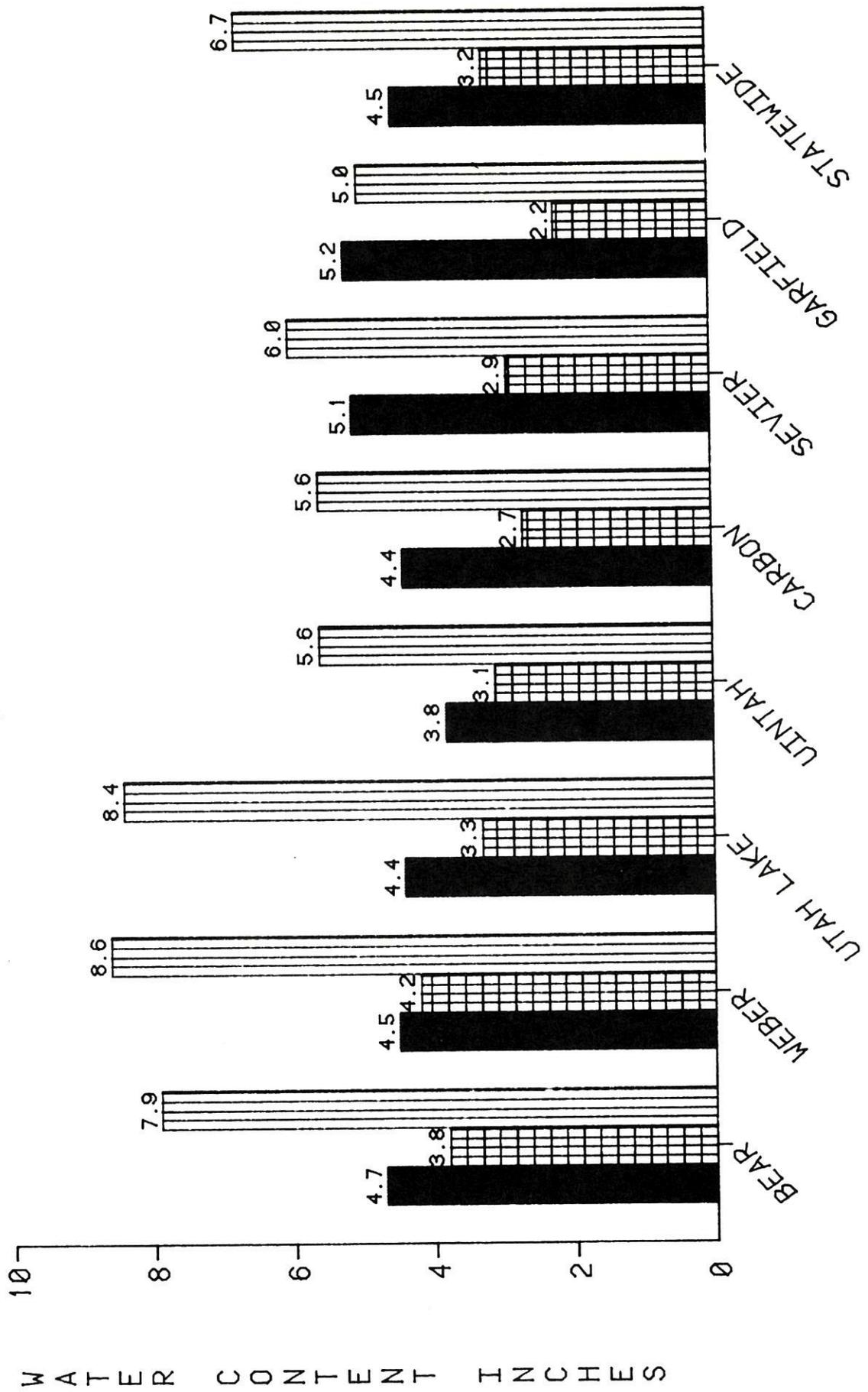
Averages are for the period 1961-1985.

1988 SNOWPACK COMPARIISON

January 1, 1988

01/01/87

01/01/88
01/01 AVERAGE



WATER CONTENT INCHES



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

February 1, 1988





Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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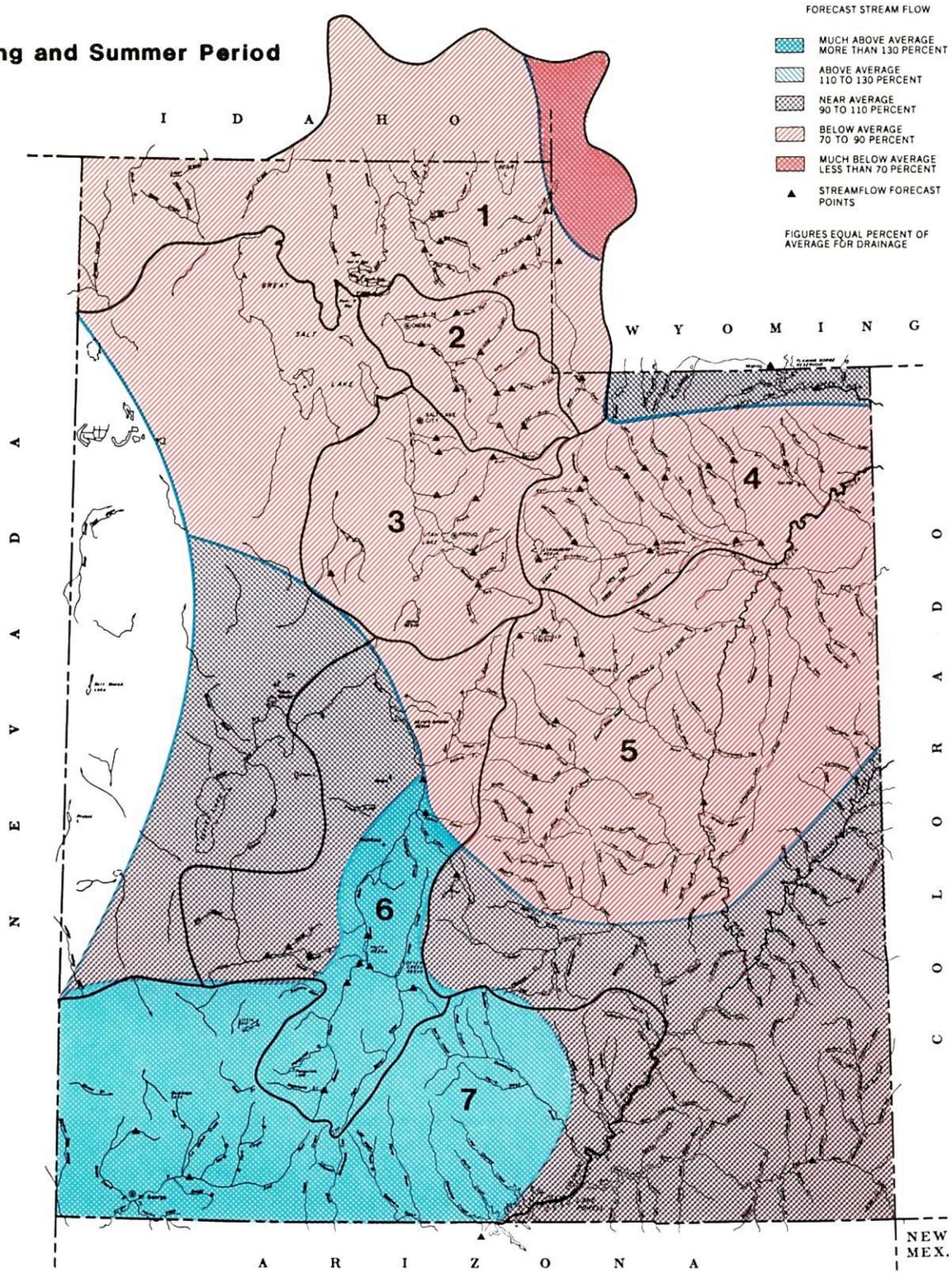
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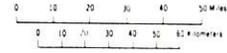
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Streamflow Prospects for Utah

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:

Snowpack accumulation in northern Utah, although improved from one month ago and greater than last year, is still generally 20 to 40% less than average. Snow accumulation in the southern half of the state, in contrast, has near to above average snow water content.

SNOWPACK:

Snowpack accumulation in January followed the trend of previous months. Watersheds north of approximately Spanish Fork Canyon received near to below average snow water increase while watersheds to the south received above to much above average additional accumulations. The greatest positive departure from normal occurred on the Sevier River watershed with 38% greater than normal January increase. The greatest negative departure from normal occurred on the Bear River watershed which increased 16% less than normal during January. Total snow water accumulation for the water year as of February 1 ranges from 68% of average on the Bear River watershed to 111% of average in the southwestern Utah watersheds of East Garfield, Kane, Washington and Iron counties.

PRECIPITATION:

Precipitation on mountain stations during January was near normal in northern Utah and above to much above normal in southern Utah. Precipitation at valley stations had a similar distribution with stations in northern Utah receiving 70-90% of average while southern stations received 130-200% of average. Water year accumulations at valley stations are near 80% in northern Utah and 150-200% of average in southern Utah.

RESERVOIRS :

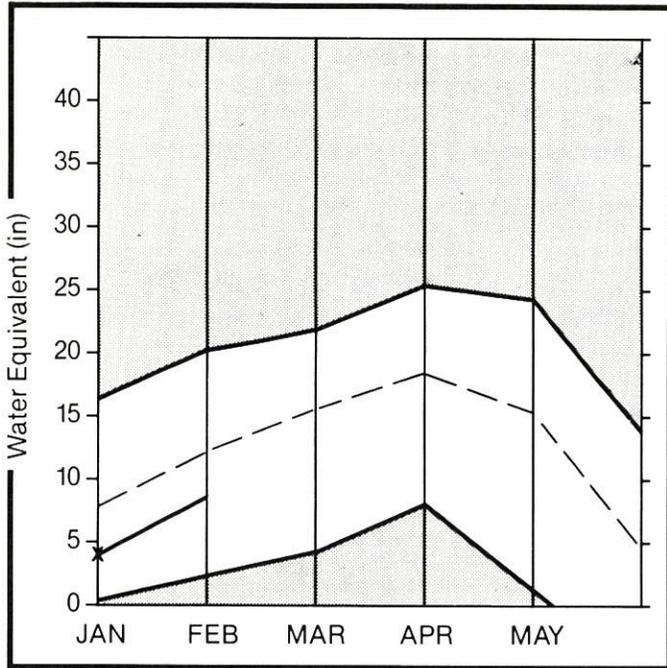
Reservoir storage at the end of January in 26 key irrigation reservoirs was 115% of average and 76% of capacity. Last year at this time these reservoirs held 85% of their cumulative capacity. Normally they are storing only 66% of capacity on this date. Reservoir operators are holding releases to a minimum in anticipation of potential low flows forecast this spring and summer on northern Utah streams.

STREAMFLOW :

Water supply forecasts for the upcoming irrigation season range from 60% of the April-July average on the Bear near Randolph to 143% on the Sevier below Piute Dam. Most forecasts in the northern part of the state are below to much below average. South of Gunnison (approximately) prospects improve to near to much above average with most forecasts on the upper Sevier and Virgin 30 to 40% above average. All forecasts assume normal precipitation, snow accumulation and melt from now through the end of the forecast period.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed as of February 1 ranges from 65% on the lower Bear to 71% on the upper Bear. Snowpack accumulation during January was only 84% of normal. Accumulations during February and March would have to be 63% greater than average in order to reach average by April 1 (this amount of increase would be highly unlikely). Spring and summer streamflow is forecast below to much below average. Reservoir storage is near to much above average in the reservoirs for which data are available.

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	25 YR. AVG. (1000AF)	HQST PROBABLE (1000AF)	HQST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	100.0	86	135.0	116	65.0	56
BEAR near Woodruff	APR-JUL	150.0	110.0	73	125.0	130	30.0	20
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	13.8	80	20.0	116	9.0	52
BTG CREEK near Randolph	APR-JUL	5.3	4.2	79	7.0	132	1.0	19
BEAR near Randolph	APR-JUL	126.0	76.0	60	150.0	119	30.0	32
SMITHS FORK near Border	APR-SEP	119.0	77.0	65	100.0	84	45.0	38
THOMAS FORK near Stateline	APR-SEP	35.0	24.0	69	35.0	100	14.0	40
BEAR RIVER near Harer	APR-SEP	310.0	185.0	60	330.0	106	90.0	26
CUB RIVER near Preston	APR-JUL	46.8	35.0	75	65.0	139	10.0	21
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	34.0	81	40.0	143	10.0	24
LOGAN RIVER near Logan	APR-JUL	122.0	96.0	79	135.0	111	55.0	45
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	46.0	90	70.0	137	20.0	39

RESERVOIR STORAGE (1000AF)

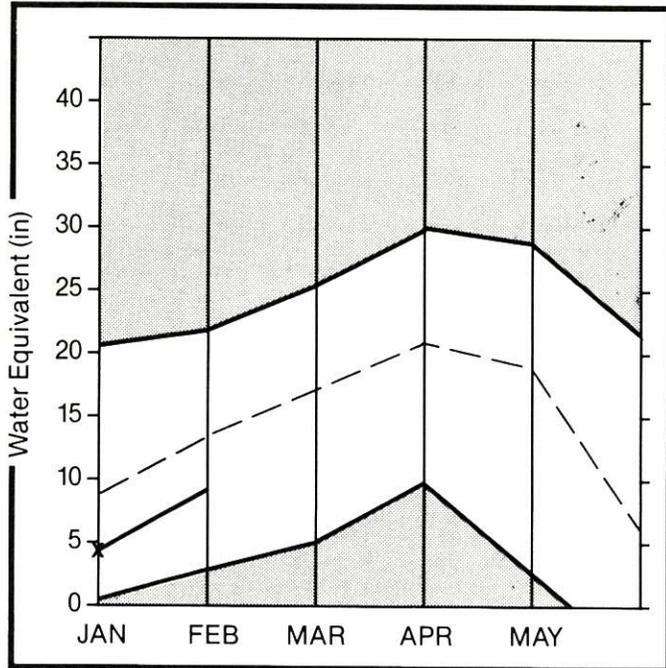
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AUG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AUG.			LAST YR.	AVERAGE
BEAR LAKE	1421.0	1013.4	1052.9	987.6	BEAR RIVER, UPPER 1/2 UTAH	6	150	73
HYRUM	15.3	10.1	10.9	10.3	BEAR RIVER, LOWER 1/2 UTAH	10	144	67
PORCUPINE	11.3	4.5	10.5	2.9	BEAR R. DRAINAGE ON UTAH	15	143	69
WOODRUFF NARROWS		NO REPORT			BEAR RIVER, UPPER	11	133	72
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	16	133	65
					BEAR RIVER DRAINAGE	25	137	68
					LOGAN RIVER	5	153	64
					PAFT RIVER	0	0	0
					BEAR RIVER BASIN	27	136	68

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

February 1 snowpack on the Weber River watershed has 70% of normal water equivalent. During January, the watershed received normal snow accumulation. The likelihood of reaching average by April 1 is approximately 2 in 25 years when February 1 snowpack is as low as this year. Streamflow forecasts range from 71 to 83% of the April-June average. Reservoir storage in the Weber-Ogden basin is 104% of average and 62% of capacity. Last year at this time storage was at 80% of capacity.

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR.	MOST	MOST	REAS.	REAS.	REAS.	REAS.
		AVG. (1000AF)	PROBABLE (1000AF)	PROBABLE (% AVG.)	MAX. (1000AF)	MAX. (% AVG.)	MIN. (1000AF)	MIN. (% AVG.)
SOUTH AND MOOREHOUSE CREEK near Oakl	APR-JUN	30.1	25.0	83	35.0	116	15.0	50
WEBER RIVER near Oakley	APR-JUN	107.0	85.0	79	120.0	112	55.0	51
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	93.0	78	150.0	125	45.0	38
CHALK CREEK near Coalville	APR-JUN	41.0	33.0	80	50.0	122	15.0	37
WEBER RIVER near Coalville	APR-JUN	127.0	91.0	72	140.0	110	50.0	39
ECHO RESERVOIR inflow	APR-JUN	163.0	125.0	77	185.0	113	70.0	43
LOST CREEK near Croyden	APR-JUN	15.6	12.5	80	20.0	128	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	22.0	76	35.0	121	10.0	34
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	14.4	78	26.0	141	5.0	27
WEBER RIVER at Gateway	APR-JUN	328.0	232.0	71	340.0	104	130.0	40
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	48.0	83	70.0	121	30.0	52
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	89.0	73	120.0	78	50.0	41
WHEELER CREEK near Huntsville	APR-JUN	6.3	4.8	76	6.0	95	3.0	38
FARMINGTON CREEK near Farmington	APR-JUL	8.2	6.2	76	11.0	134	3.0	37

RESERVOIR STORAGE

(1000AF)

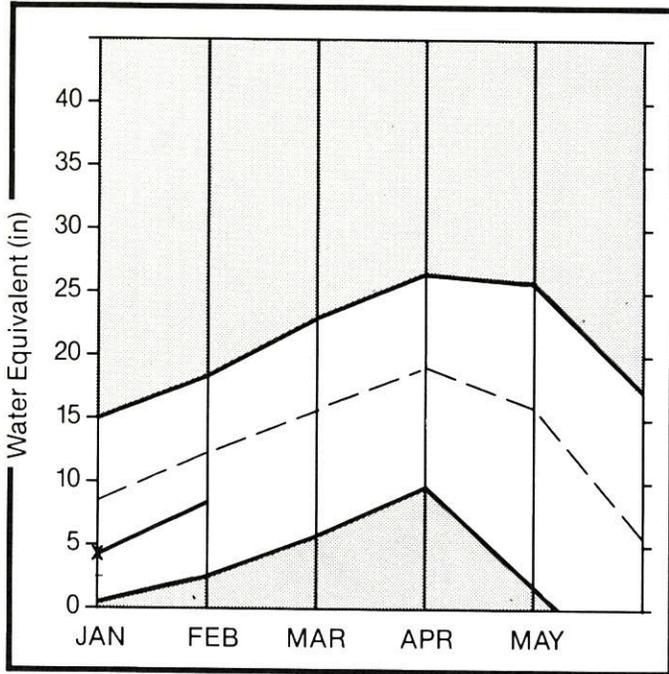
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AUG.			LAST YR.	AVERAGE
CAUSEY	7.1	3.8	4.1	2.2	OGDEN RIVER	4	107	68
EAST CANYON	38.1	32.0	41.9	34.7	WEBER RIVER	13	120	70
ECHO	73.9	53.7	62.8	45.8	WEBER & OGDEN WATERSHEDS	17	116	70
LOST CREEK	20.0	17.0	14.5	13.1				
PINEVIEW	110.1	40.1	67.8	49.6				
ROCKPORT	60.9	22.2	44.3	31.9				
WILLARD BAY	165.5	130.8	151.5	110.6				

1 - Reas. max, and reas. min, forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

The Provo River watershed received near normal accumulation of snow during January. Total snow water accumulation for the water year is 68% of normal for February 1. Spring and summer streamflow is forecast 62 to 92% of average. Some select forecasts are: Provo below Deer Creek Dam 75%, Utah Lake inflow 85%, Big Cottonwood Creek near SLC 82% and South Willow Creek near Grantsville 77% of the April-July average. Stored water in area reservoirs is 88% of capacity and 119% 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

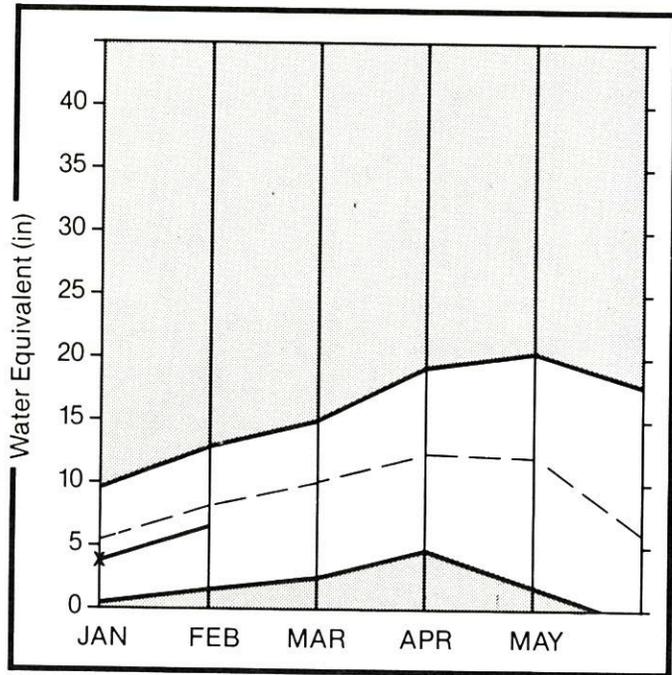
FORECAST POINT	FORECAST PERIOD	25 YR. AVG.	HIST. PROBABLE	HIST. PROBABLE	REAS. MAX.	REAS. MAX.	REAS. MIN.	REAS. MIN.
		(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(% AVG.)	(1000AF)	(% AVG.)
SALT CREEK near Delta	APR-JUL	13.5	11.8	87	25.0	185	5.0	37
PAYSON CREEK near Payson	APR-JUL	7.3	5.5	75				
HOBBLE CREEK near Springville	APR-JUL	23.3	14.5	62				
PROVO near Hailstone	APR-JUL	113.0	85.0	75	130.0	115	50.0	44
PROVO below Deer Creek Dam	APR-JUL	133.0	100.0	75	145.0	109	45.0	34
AMERICAN FORK near American Fk.	APR-JUL	34.0	23.0	68	31.0	91	15.0	44
UTAH LAKE inflow	APR-JUL	295.0	250.0	85	350.0	119	145.0	49
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	31.0	76	40.0	98	20.0	49
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	32.0	82	40.0	103	25.0	64
PARLEY'S CREEK near SLC	APR-JUL	17.0	12.0	71	20.0	118	7.0	41
HILL CREEK near SLC	APR-JUL	6.9	5.5	80	9.0	130	3.0	43
EMIGRATION CREEK near SLC	APR-JUL	4.6	3.0	65				
CITY CREEK near SLC	APR-JUL	9.0	7.0	78	9.0	100	5.0	56
VERNON CREEK near Vernon	APR-JUN	1.2	1.1	92	2.0	167	0.4	29
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.9	83	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.3	77	4.0	133	1.0	33

RESERVOIR	RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS			
	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AUG.	WATERSHED	NO. COURSES AUG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
DEER CREEK	149.6	108.5	121.0	94.3	PROVO RIVER & UTAH LAKE	10	176	71
GRANTSVILLE	3.3	1.6	2.6	---	PROVO RIVER	5	170	69
SETTLEMENT CREEK	1.0	0.8	0.8	0.5	JORDAN RIVER & GREAT SALT	5	97	70
STRAWBERRY-ENLARGED	951.4	476.1	531.9	---	TOOELE & VERNON W.S.'S	2	95	55
UTAH LAKE	855.5	776.7	893.2	648.6	UTAH L.-JORDAN R.-TOOELE	17	130	68
VERNON CREEK	0.6	0.4	0.3	0.5				

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow water equivalent on the Uintahs is 77% of the February average. Individual basins range from 60 to 93% of average. Accumulation was normal in January. Most streams are forecast below average flows next irrigation season. Henry's Fork, the exception, is forecast 108% of the April-September average. Reservoir storage is very good ranging from 135% of average in Moon Lake and Steinaker to 142% in Starvation. At the end of January these reservoirs are normally only holding 63% of capacity compared to 89% this year.

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

UTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BLACK'S FORK near Hillburne	APR-JUL	90.0	83.0	92	120.0	133	50.0	56
HENRY'S FORK near Manila	APR-SEP	51.0	55.0	108	80.0	157	35.0	69
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	1115.0	77	1550.0	108	725.0	50
ASHLEY CREEK near Vernal	APR-JUL	52.0	44.0	85	60.0	115	30.0	58
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	20.0	71	30.0	107	10.0	36
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	86.0	82	110.0	105	60.0	57
ROCK CREEK near Mountain Home	APR-JUL	95.0	80.0	84	110.0	116	60.0	63
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	150.0	79	200.0	106	100.0	53
CURRENT CREEK near Fruitland	APR-JUL	20.0	14.0	70	20.0	100	9.0	45
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	40.0	67	55.0	92	20.0	33
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	51.0	74	70.0	101	30.0	43
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	65.0	93	90.0	127	45.0	64
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	57.0	86	80.0	121	30.0	45
DUCHESNE near Myton	APR-JUL	223.0	170.0	76	250.0	112	65.0	29
UTAH RIVER near Neola	APR-JUL	86.0	71.0	83	110.0	128	35.0	41
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	48.0	80	75.0	125	20.0	33
DUCHESNE near Randlett	APR-JUL	257.0	210.0	82	400.0	156	75.0	29

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
FLAMING GORGE	3749.0	3102.0	3100.4	---	UPPER GREEN RIVER in UTAH	9	102	84
MOON LAKE	35.8	20.8	26.5	15.4	ASHLEY CREEK	2	112	60
RED FLEET	26.0	20.3	17.2	---	BLACK'S FORK RIVER	3	93	83
STEINAKER	33.3	26.5	32.1	19.7	SHEEP CREEK	2	89	93
STARVATION	165.3	160.7	152.1	113.0	DUCHESNE RIVER	15	130	74
STRAWBERRY-ENLARGED	951.4	476.1	687.0	---	LAKE FORK-YELLOWSTONE CK.	3	116	86
					STRAWBERRY RIVER	4	193	69
					UTAH-WHITEROCKS RIVERS	3	114	66
					UTAH BASIN & DAGGET SCD	24	119	77

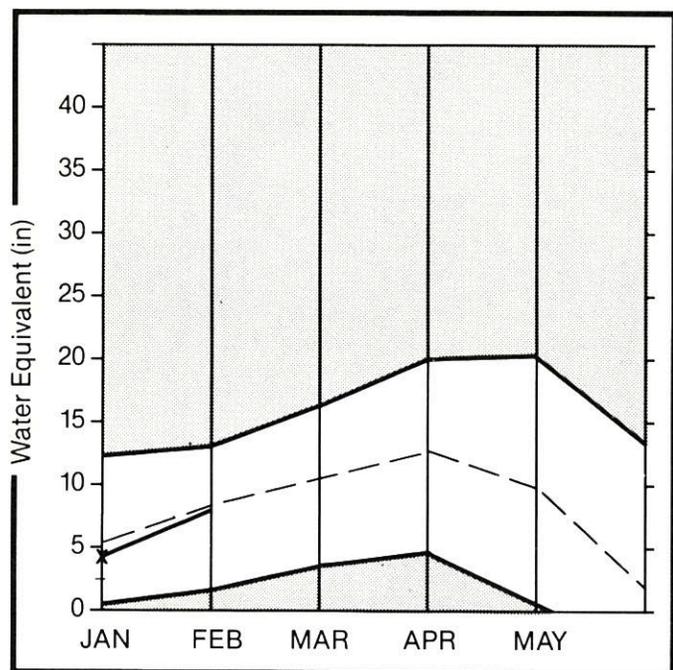
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Southeastern Utah snowpack is generally above average in water content following January storms which increased the snowpack 30% more than usual for the month. The Abajo and La Sal Mountains have 105%, the San Rafael watershed 93% and the Price River watershed 95% of normal February 1 water equivalent. Streams are generally forecast near normal flows this coming irrigation season. Water stored in area reservoirs is above average. Usable storage this year is 62% of capacity as of the end of January.

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

STREAMFLOW FORECASTS

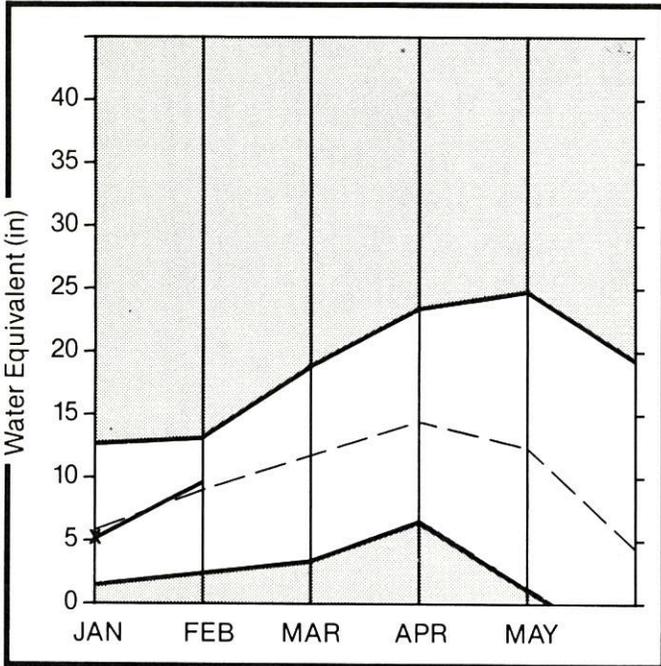
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	HIST. PROBABLE (1000AF)	HIST. PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
COLORADO near Cisco, UT	APR-JUL	3457.0	3600.0	104	5295.0	153	7750.0	85
MILL CREEK near Moab	APR-JUL	5.5	5.6	102	8.0	145	3.0	55
GREEN near Green Rv., UT	APR-JUL	3182.0	2850.0	90	3900.0	123	1800.0	57
GOOSEFERRY CREEK near Scofield	APR-JUL	12.0	10.9	91	16.0	133	6.0	50
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	38.0	83	55.0	120	25.0	54
PRICE near Heiner	APR-JUL	78.0	73.0	94				
ELECTRIC LAKE Inflow	APR-JUL	15.1	14.0	93	20.0	132	10.0	66
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	49.0	89	76.0	127	35.0	64
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	44.0	94	65.0	138	25.0	53
FERRON CREEK near Ferron	APR-JUL	41.0	35.0	85	55.0	134	15.0	37
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	10.0	154	3.0	46
MUDDY CREEK near Emery	APR-JUL	21.0	17.0	81	30.0	143	10.0	48
HAVAJO RESERVOIR inflow	APR-JUL	764.0	800.0	105	1200.0	157	490.0	64
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1100.0	101	1725.0	158	595.0	55

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	AUG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
HUNTINGTON NORTH	3.9	3.6	3.5	2.3	PRICE RIVER	3	246	95
JOE'S VALLEY	61.6	43.5	45.9	43.6	SAN RAFAEL RIVER	7	196	93
KEN'S LAKE	2.3	0.9	0.7	---	MUDDY RIVER	2	185	69
MILL SITE	16.7	5.3	11.3	3.5	FREMONT RIVER	4	103	94
SCOFIELD	65.8	39.5	50.6	31.3	LASAL MOUNTAINS	2	110	105
					BLUE MOUNTAINS	2	141	105
					MOLLOH CREEK - WHITE RIVE	2	150	74
					SOUTHEASTERN UTAH	21	153	95

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River watershed increased 38% more than usual during January leaving total seasonal accumulation at 103% of the February 1 average. Percentages increase from north to south. The lower Sevier is 97%, the upper Sevier is 104% and the Beaver River watershed is 124% of average. Forecasts of spring and summer streamflows generally increase from north to south. Forecasts range from much below average in the north to much above normal in the south. Stored water is 66% above average and 77% 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	25 YR. AVG. (1000AF)	HIST PROBABLE (1000AF)	HIST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	70.0	135	95.0	183	50.0	96
SEVIER near Circleville	APR-JUL	44.0	60.0	136				
SEVIER near Kingston	APR-JUN	34.0	45.0	132	80.0	235	20.0	59
ANTHONY CREEK near Antimony	APR-JUL	8.9	10.0	112				
E F SEVIER near Kingston	APR-JUL	24.0	34.0	142	55.0	229	25.0	104
SEVIER b/w Piute Dam	APR-JUL	56.0	80.0	143	130.0	232	40.0	71
CLEAR CREEK near Sevier	APR-JUL	22.0	27.0	123				
STIGURD to GUNNISON	APR-JUL	44.0	60.0	136	110.0	250	20.0	45
KINGSTON to VERMILION DAM	APR-JUN	40.0	52.0	130				
VERMILION DAM to GUNNISON	MAR-JUN	53.6	70.0	131				
SALINA CREEK at Salina	APR-JUN	18.2	15.0	82				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	8.0	70				
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	19.0	76				
SEVIER nr Gunnison	APR-JUL	99.0	120.0	121				
HICKEN CREEK near Levan	APR-JUL	3.5	3.5	100	5.0	143	2.0	57
DAK CREEK near Oak City	APR-JUL	1.6	1.5	94	3.0	188	1.0	62
CHALK CREEK near Fillmore	APR-JUL	16.4	16.8	102	25.0	152	10.0	61
BEAVER RIVER near Beaver	APR-JUL	27.0	28.0	104	50.0	185	15.0	56
NORTH CREEK near Beaver (combined)	APR-JUL	14.6	16.0	110	30.0	205	3.0	21
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	12.2	137	20.0	225	7.0	79

RESERVOIR STORAGE

(1000AF)

WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
GUNNISON	20.3	12.4	20.3	11.7	U SEVIER (s of Richfield)	11	180	104
MINERSVILLE (RkyFg)	26.0	16.5	18.7	11.2	EAST FORK SEVIER RIVER	4	172	115
OTTER CREEK	52.7	48.7	50.4	27.5	SOUTH FORK SEVIER RIVER	7	184	99
PIUTE	71.8	57.4	65.5	36.9	LOWER SEVIER RIVER	12	188	97
SEVIER BRIDGE	236.0	176.9	219.2	101.1	BEAVER RIVER	3	213	124
PANQUITCH LAKE	22.3	18.7	17.2	---	SEVIER & BEAVER R. BASINS	24	188	103

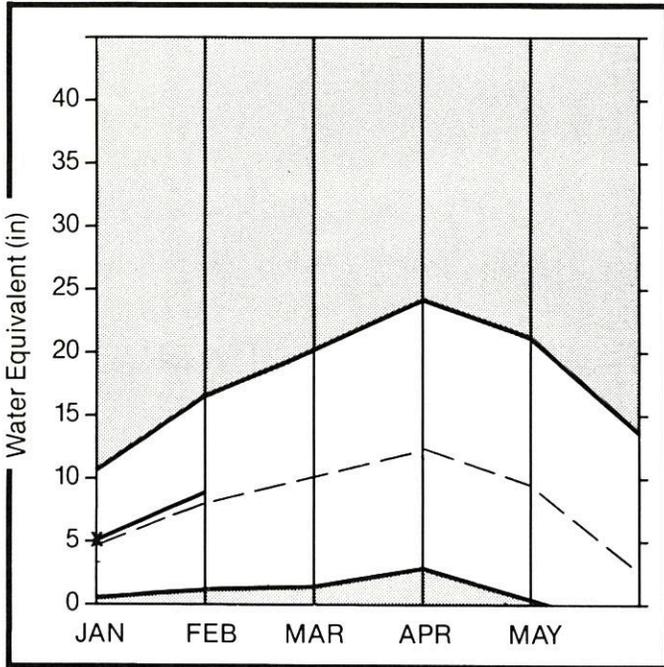
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Increases to the snowpack in southwestern Utah were one-fifth greater than normal in January. February water content ranges from 110% of average on the Virgin River to 125% on Coal Creek. Forecasts of flow for this irrigation season on local streams range from 130% of average on Coal Creek to 140% on the Virgin and Santa Clara. Lake Powell Inflow is forecast 93% of average. Quail Creek Reservoir is 95% full and Gunlock 72%. The Enterprise Reservoirs have only 6% of capacity in storage (22% of last year).

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR.	MOST	MOST	REAS.	REAS.	REAS.	REAS.
		AVG. (1000AF)	PROBABLE (1000AF)	PROBABLE (% AVG.)	MAX. (1000AF)	MAX. (% AVG.)	MIN. (1000AF)	MIN. (% AVG.)
LAKE POWELL inflow	APR-JUL	8046.0	7500.0	93	10960.0	136	4445.0	55
UTRCHN near Hurricane	APR-JUN	68.0	95.0	140	130.0	191	60.0	88
SANTA CLARA near Pine Valley	APR-JUN	5.0	7.0	140				
COAL CREEK near Cedar City	APR-JUL	20.0	26.0	130	35.0	175	20.0	100

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
GIWLOCK	10.4	7.5	5.4	---	UTRCHN RIVER	5	315	110
LAKE POWELL	25002.0	0.0	21778.0	---	PARDMAN	4	199	112
QUATI CREEK	90.0	38.0	---	---	ENTERPRISE TO NEW HARMONY	2	216	114
UPPER ENTERPRISE	---	0.0	0.0	0.0	COAL CREEK	3	298	125
LOWER ENTERPRISE	---	0.0	0.0	0.0	ESCALANTE RIVER	2	77	120
					SOUTHWESTERN UTAH	17	254	111

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage. The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500				-	10.5
ATWOOD LAKE	10500	01/25	-	5.2E	5.6	7.5
BEAVER CREEK DIVIDE	8280	01/25	26	6.5E	2.1	8.9
BEAVER DAMS	8000	01/25	-	6.5E	1.4	7.7
BEN LOMOND PEAK	8000	01/25	-	14.3E	18.4	23.7
BEN LOMOND TRAIL	6000	01/25	-	8.4E	7.4	12.5
BEVAN'S CABIN	6450				7.6	5.5
BIG FLAT	10290	1/25	-	14.2E	8.0	11.2
BIRCH CROSSING	8100	01/28	24	6.2	1.7	4.9
BLACK'S FLAT-U.M. CK	9400	01/25	-	5.5E	5.2	7.3
BLACK'S FORK	9200	01/25	-	6.0E	3.5	8.4
BLACK'S FORK GS-EF	9340	01/25	-	4.6E	4.9	6.0
BLACK'S FORK JUNCTN	8930	01/25	-	5.9E	4.8	6.4
BOX CREEK	9300	01/25	-	8.9E	2.8	8.3
BRIAN HEAD	10000	01/25	-	14.2E	8.0	13.0
BRIGHTON	8750	2/01	48	10.5E	-	22.9
BROWN DUCK RIDGE	10600	1/25	-	10.3E	11.3	13.2
BRYCE CANYON	8000	01/27	15	3.6	1.9	3.4
BUCK FLAT	9800	01/25	-	8.5E	5.0	11.0
BUCK PASTURE	9700				-	11.8
BUCKBOARD FLAT	9000	02/02	33	9.0	7.1	8.6
BUG LAKE	7950	01/25	-	9.4E	7.1	12.8
BURT'S-MILLER RANCH	7900	01/25	-	3.1E	2.0	3.7
CAMP JACKSON	8600	2/02	34	9.8	6.2	9.3
CASTLE VALLEY	9580	01/25	-	9.5E	4.8	8.1
CHALK CREEK #1	9100	01/25	-	12.4E	10.1	14.8
CHALK CREEK #2	8200	01/25	-	7.7E	6.7	9.6
CHALK CREEK #3	7500	01/25	-	5.2E	3.4	5.5
CHEPETA	10300	01/25	-	5.8E	5.9	9.1
CHEPETA-WHITERKS. LK	10350				-	9.6
CLEAR CREEK MEADOWS	9420	2/01	-	9.3E	-	15.2
CLEAR CREEK RIDGE #1	9200	01/25	-	8.2E	5.2	12.5
CLEAR CREEK RIDGE #2	8000	01/25	-	6.2E	3.5	9.8
CLEAR CREEK RIDGE #3	6600	01/25	-	4.0E	1.9	5.7
CURRENT CREEK	8000	01/25	-	3.7E	0.3	7.4
DANIELS-STRAWBERRY	8000	01/25	-	6.2E	2.0	10.2
DESERET PEAK	9250				8.9	17.5
DILL'S CAMP	9200	01/25	-	5.3E	2.6	7.9
DONKEY RESERVOIR	9800	01/25	-	5.0E	8.8	4.8
DRY BREAD POND	8350	01/25	-	8.7E	8.6	12.2
DUCK CREEK R.S.	8700	1/25	-	6.7E	3.8	8.8
EAST SHINGLE LAKE	9800				-	18.4
EAST WILLOW CREEK	8250	01/25	-	5.9E	-	7.9
FARMINGTON CANYON	8000	01/25	-	12.6E	10.3	19.7
FARMINGTON CANYON L.	6950	01/25	-	10.1E	8.4	14.9
FARNSWORTH LAKE	9600	01/25	-	10.7E	9.3	11.9
FISH LAKE	8700	01/25	-	5.7E	3.8	5.6
FIVE POINT LAKE	11000	01/25	-	8.7E	7.9	10.1
G.B.R.C. HEADQUARTER	8700	01/25	-	11.3E	5.8	10.4
G.B.R.C. MEADOWS	10000	01/25	-	15.9E	8.7	14.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
GARDEN CITY SUMMIT	7600	01/25	-	7.7E	5.1	11.8
GEORGE CREEK	8840				-	14.2
GOOSEBERRY R.S.	8000	01/25	-	10.3E	7.4	7.4
HARDSCRABBLE	6700	01/25	-	9.4E	4.2	13.5
HARRIS FLAT	7700	01/25	-	4.0E	1.5	5.9
HAYDEN FORK	9400	01/25	-	7.5E	5.4	9.8
HENRY'S FORK	10000				-	9.5
HEWINTA G.S.	9500	01/25	-	5.9E	4.9	6.1
HOLE-IN-THE-ROCK	9150	01/25	-	4.8E	2.9	4.0
HOLE-IN-THE-ROCK GS	8300	01/25	-	2.0E	-	1.7
HICKERSON PARK	9100	01/25	-	6.0E	4.9	5.0
HOBBLE CREEK SUMMIT	7420	01/25	-	7.7E	4.2	10.2
HORSE RIDGE	8260	01/25	-	9.9E	8.8	14.3
HUNTINGTON-HORSESHOE	9800	1/25	-	15.3E	9.5	16.1
INDIAN CANYON	9100	01/25	-	6.9E	5.8	8.4
JOHNSON VALLEY	8850	01/25	-	5.1E	2.9	5.0
KILFOIL CREEK	7300	01/25	-	6.8E	6.1	9.8
KIMBERLY MINE(UPPER)	9300	01/25	-	10.6E	8.0	9.8
KING'S CABIN (UPPER)	8730	01/25	-	2.9E	4.3	6.9
KLONDIKE NARROWS	7400	01/25	-	8.8E	5.6	13.4
KOLOB-CRYSTAL	9250	01/25	-	16.4E	4.1	13.9
LAKEFORK BASIN	11100	01/25	-	7.4E	9.6	13.2
LAKEFORK MOUNTAIN #1	10200	01/25	-	7.0E	5.3	7.2
LAKEFORK MOUNTAIN #3	8400	01/25	-	4.1E	1.8	4.6
LAMBS CANYON	7400	1/26	33	8.8	7.8	11.3
LASAL MOUNTAIN LOWER	8800	2/02	26	7.2	6.0	6.5
LASAL MOUNTAIN (UPP)	9850	2/02	42	11.2	10.8	11.1
LIGHTNING LAKE	10500	01/25	-	13.1E	9.4	15.2
LILY LAKE	9050	01/25	-	6.1E	5.2	9.6
LITTLE BEAR (LOWER)	6000	01/25	-	5.0E	4.0	7.7
LITTLE BEAR (UPPER)	6550	01/25	-	5.6E	4.5	8.7
LITTLE GRASSY CREEK	6100	01/25	-	4.6E	1.0	3.6
LONG FLAT	8000	01/25	-	5.1E	3.5	4.9
LONG VALLEY JCT.	7500	1/25	-	1.4E	0.4	4.3
LOST CREEK RESERVOIR	6130	01/25	-	2.6E	2.1	4.1
MAMMOTH-COTTONWOOD	8800	01/25	-	13.3E	5.6	14.0
MERCHANT VALLEY (UP)	8750	01/25	-	8.9E	1.9	7.7
MIDDLE BEAVER CREEK	8650				-	3.0
MIDDLE CANYON	7000				8.8	8.7
MIDWAY VALLEY	9800	01/25	-	17.4E	9.0	13.4
MILL CREEK	6950	01/28	32	9.1	10.2	12.3
MILL D SOUTH FORK	7400	01/28	32	9.0	10.0	13.0
MONTE CRISTO R.S.	8960	01/25	-	12.3E	6.4	16.1
MOSBY MOUNTAIN(LOW)	9500	01/25	-	5.0E	3.1	6.5
MT. BALDY R.S.	9500	01/25	-	12.4E	7.6	15.3
MUD CREEK #2	8600	01/25	-	8.4E	3.7	9.2
OAK CREEK	7760	01/25	-	6.1E	3.6	7.9
ONE MILE SUMMIT	7330				-	3.8
OTTER LAKE	9600	1/25	-	10.7E	6.0	8.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
PANQUITCH LAKE	8200	01/25	-	4.1E	1.7	4.1
PARADISE PARK	10100	01/25	-	5.5E	5.3	9.2
PARLEY'S CANYON SUM.	7500	1/26	34	9.1	8.3	12.4
PAYSON R.S.	8050	01/25	-	10.4E	5.2	12.2
PICKLE KEG SPRING	9600	01/25	-	8.2E	4.8	10.2
PINE CANYON	8000	01/25	-	8.0E	7.1	13.2
PINE CREEK	8800	01/25	-	12.5E	3.5	11.5
REDDEN MINE LOWER	8500	01/25	-	7.5E	6.7	11.5
RED FINE RIDGE	9200	01/25	-	10.1E	6.4	11.0
REES'S FLAT	7300	01/25	-	8.4E	4.8	8.8
REYNOLDS PARK	10400				-	10.7
ROCK CREEK	7900	01/25	-	4.7E	0.7	5.7
ROCKY BASIN-SETTLEMT	8900	01/25	-	9.5E	12.4	18.9
SEELEY CREEK R.S.	10000	01/25	-	11.4E	4.0	10.3
SERGEANT LAKES	8300				-	11.2
SHINGLE MILL	6200	01/28	28	7.1	2.9	6.4
SILVER LAKE(BRIGHT.)	8730	01/28	34	9.6	10.6	16.1
SMITH & MOREHOUSE	7600	01/25	-	5.8E	5.2	8.9
SNOWBIRD GAD VALLEY	9700	01/29	45	13.0	-	24.6
SOAPSTONE R.S.	7800	1/25	-	6.5E	2.7	8.5
SPIRIT LAKE	10300	01/25	-	5.9E	8.5	7.8
SQUAW SPRINGS	9300	01/25	-	5.2E	1.2	4.7
STEEL CREEK PARK	10100	01/25	-	8.5E	10.7	10.5
STILLWATER CAMP	8550	01/25	-	5.3E	3.9	7.0
STRAWBERRY DIVIDE	8400	1/29	35	9.9	5.7	12.8
STUART R.S.	7950	01/25	-	5.7E	2.0	6.2
SUSC RANCH	8200	01/28	27	6.3	1.8	5.8
TALL POLES	8800	01/28	38	9.7	4.9	9.1
THAYNES CANYON	9200	01/25	39	9.5	11.5	-
THISTLE FLAT	8500				-	9.9
TIMPANOGOS DIVIDE	8140	01/25	-	11.5E	10.4	16.9
TONY GROVE LAKE	8400	01/25	-	15.5E	9.5	24.2
TONY GROVE R.S.	6250	01/25	-	5.9E	3.3	8.9
TRIAL LAKE	9960	01/25	-	11.3E	7.5	16.1
TROUT CREEK	9400	01/25	-	5.4E	3.1	7.0
UPPER JOES VALLEY	8900	01/25	-	7.7E	3.1	7.0
VERNON CREEK	7500	01/25	-	5.2E	3.1	7.7
VIFONT	7670				-	10.1
WEBSTER FLAT	9200	01/25	-	13.8E	1.8	10.9
WHITE RIVER #1	8550	01/25	-	7.6E	3.8	9.4
WHITE RIVER #3	7400	01/25	-	7.6E	2.1	6.3
WIDTSOE-ESCALANTE #3	9500	01/25	-	9.3E	9.8	7.1
WRIGLEY CREEK	9000	01/25	-	5.5E	2.7	7.1
YANKEE RESERVOIR	8700	01/25	-	7.1E	4.1	6.1



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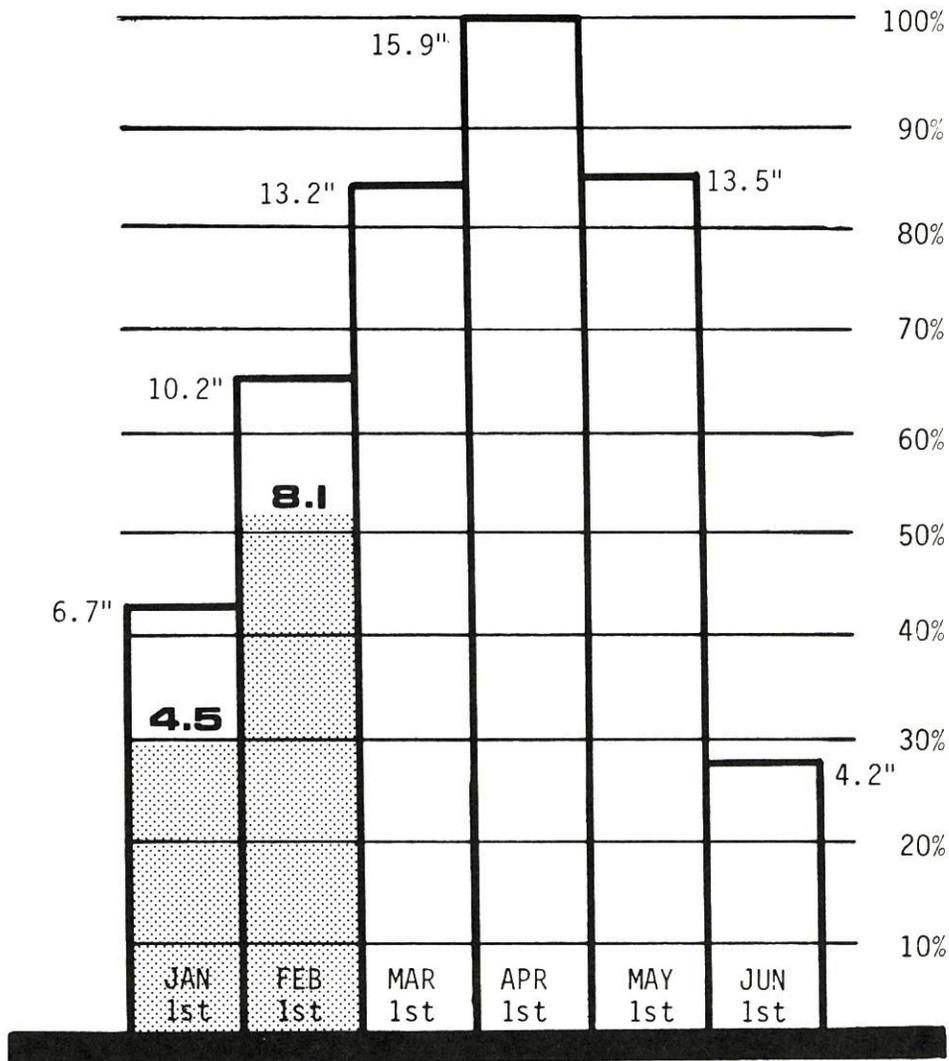
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Utah Snowpack Progress

1988



Statewide

NOTE :

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

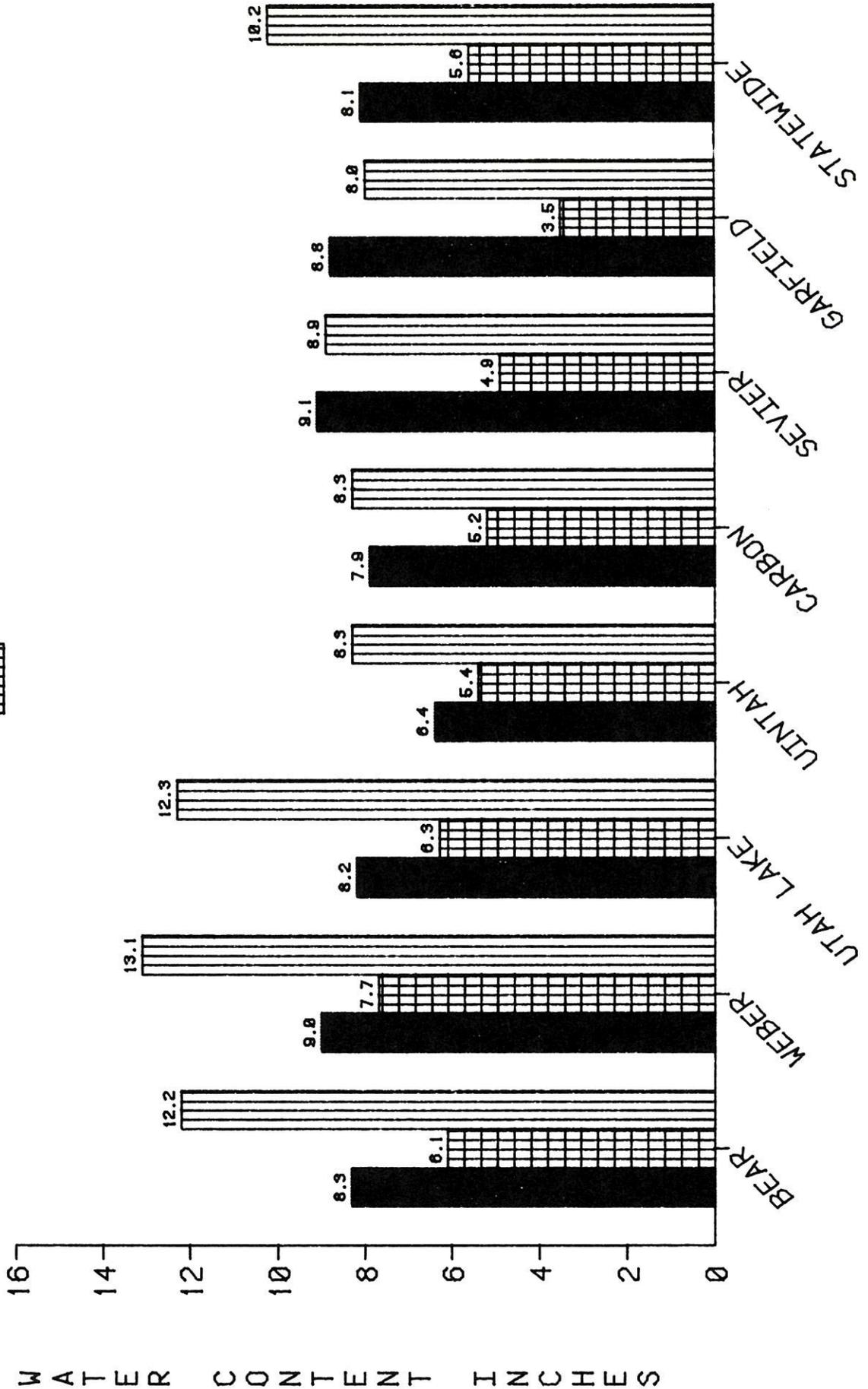
Averages are for the period 1961-1985.

1988 SNOWPACK COMPARIISON

February 1, 1988

02/01/87

02/01/88
02/01 AVERAGE





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Agriculture

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Service

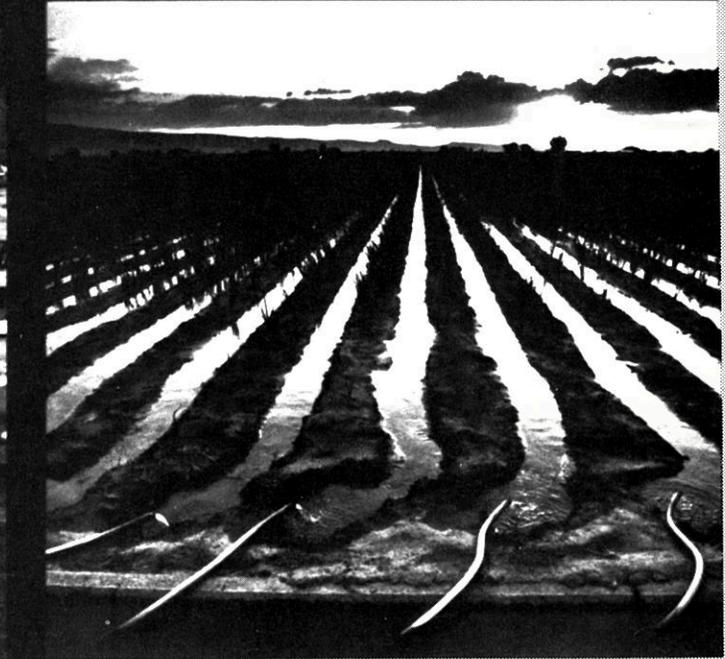
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Utah

Water Supply Outlook

March 1, 1988



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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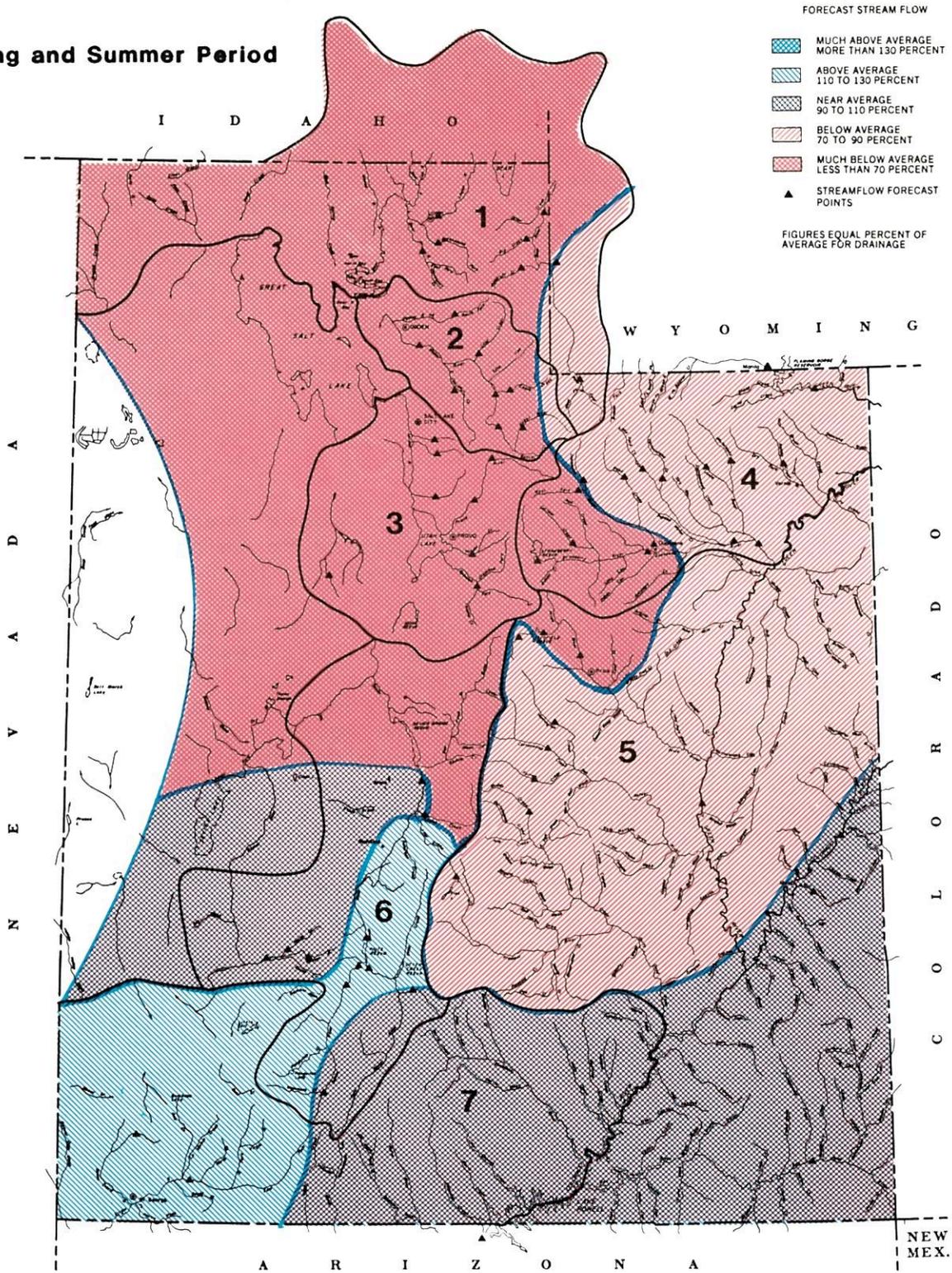
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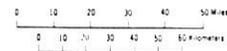
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Streamflow Prospects for Utah

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
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GENERAL OUTLOOK

SUMMARY

Snowpack on the Bear River watershed improved slightly during February while all other areas of the State worsened. Watersheds in central and eastern Utah now have even less water stored in the snowpack this year than last year at this time. Forecasts for spring and summer streamflow have generally dropped from levels forecast a month ago. Reservoir storage is above average in most areas, however, a factor which will help to alleviate some potential shortages next summer.

SNOWPACK

Below average precipitation and above average temperatures during February have tended to balance out the snowpack across the state. Northern Utah drainages received one-half to three-fourths normal snowpack accumulation while the South received either minimal increase or, as was the case in southwestern Utah, a slight decrease from February 1. March 1 water content across the State ranges from 62% of average on the Weber to 83% of average in southwestern Utah. One month ago, the range was much wider from north to south (68-111%). Two to three times normal snowpack accumulation in March would be required just to reach average water content by April. With normal additional snow water accumulation in March, the snowpack will peak at 70 to 90% of average.

PRECIPITATION

Precipitation at mountain stations during February was much below normal across the state with the northern mountains faring slightly better than the southern mountains in contrast to previous months. Valley precipitation was much below average over the entire State last month too. Record low precipitation for February was recorded at several stations. February is the first month this water year that southern Utah did not receive substantially more precipitation than the northern portion of the State. Total precipitation accumulation for the water year is near 70% of normal in northern Utah while southern Utah remains generally above average.

RESERVOIRS

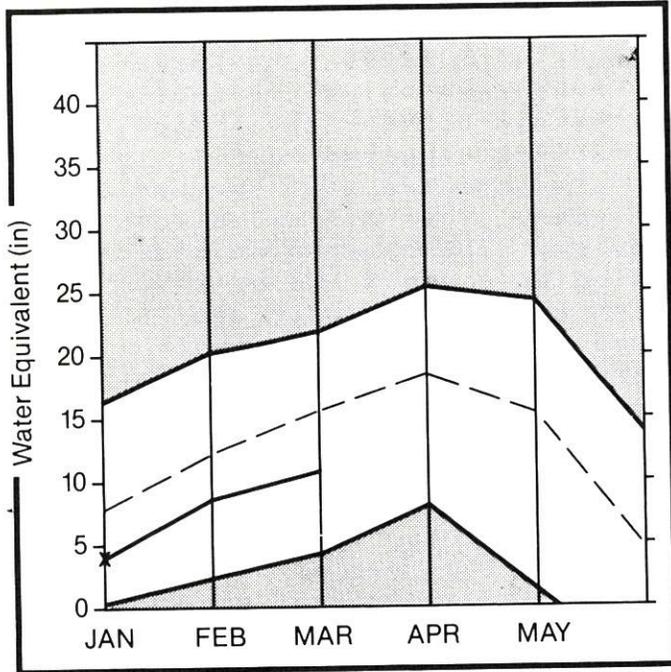
End of February reservoir storage remains above average across the State. The twenty-six key irrigation reservoirs in our sample are storing 79% of their cumulative capacity which is 115% of average for this time of year. Normally these reservoirs are storing only 68% of capacity by the end of February. Most reservoirs in northern Utah are expected to fill this spring, even though the forecasts are low, because of the carry-over from last year. Possible exceptions are East Canyon and Pineview. The Enterprise Reservoirs are currently holding only about 10% of their cumulative capacity. With a loss of a good deal of low elevation snowpack and very little resultant streamflow during February, their filling is becoming more and more doubtful.

STREAMFLOW

Forecasts of spring and summer streamflow have dropped by as much as 40% from the levels forecast last month as a result of meager additional snowpack accumulation during February. The smallest reductions occurred on the Uinta Mountains while the largest percentage reductions took place on the Sevier River and tributaries to the Sevier. Forecasts now range from 50% of average on the Bear near Harer, ID to 121 percent of average for the East Fork of the Sevier near Kingston. All forecasts assume average precipitation, snow accumulation and melt through the remainder of the forecast period. If below average precipitation and above average temperature persists, it is likely forecasts will be reduced further.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

The Bear River watershed experienced only about two-thirds normal snow accumulation during February. March 1 snowpack is 70% of average on the upper Bear, lower Bear and Logan River. The Raft River Mountains have 65% of normal snow water content. Streamflow forecasts are less than last month. Forecasts now range from 50% of average for April through September flow on the Bear near Harer, ID to 82% of the April-July average for the Bear near the UT-WY stateline. Reservoir storage is 105% 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

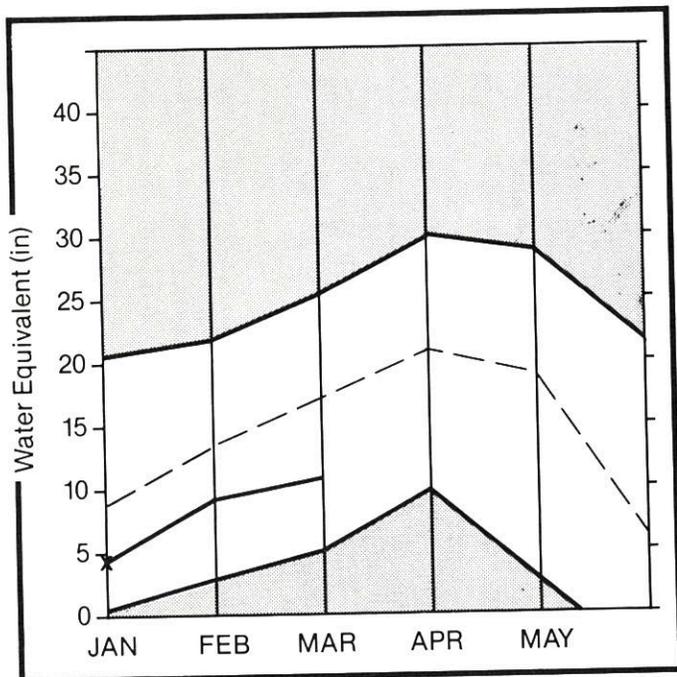
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	95.0	82	125.0	108	65.0	56
BEAR near Woodruff	APR-JUL	150.0	105.0	70	185.0	123	25.0	17
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	11.4	66	15.0	87	7.0	40
BIG CREEK near Randolph	APR-JUL	5.3	3.3	62	6.0	113	1.0	19
BEAR near Randolph	APR-JUL	126.0	65.0	52	135.0	107	25.0	20
SMITHS FORK near Border	APR-SEP	123.0	75.0	61	105.0	85	45.0	37
THOMAS FORK near Stateline	APR-SEP	37.0	20.0	54	30.0	81	10.0	27
BEAR RIVER near Harer	APR-SEP	310.0	155.0	50	295.0	95	60.0	19
CUB RIVER near Preston	APR-JUL	46.8	30.0	64	45.0	96	15.0	32
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	28.0	67	45.0	107	15.0	36
LOGAN RIVER near Logan	APR-JUL	122.0	75.0	61	110.0	90	40.0	33
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	34.0	67	55.0	108	15.0	29

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	** USEABLE STORAGE LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
BEAR LAKE	1421.0	1036.2	1051.5	992.5	BEAR RIVER, UPPER IN UTAH	6	103	70
HYRUM	15.3	12.0	10.0	10.8	BEAR RIVER, LOWER IN UTAH	10	133	71
PORCUPINE	11.3	5.5	10.8	3.7	BEAR R. DRAINAGE IN UTAH	15	124	70
WOODRUFF NARROWS	55.8	30.9	50.0	---	BEAR RIVER, UPPER	12	108	70
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	19	133	70
					BEAR RIVER DRAINAGE	29	124	69
					LOGAN RIVER	5	146	70
					RAFT RIVER	4	101	65
					BEAR RIVER BASIN	35	120	69

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River watershed is only 62% of average. This is even less water content than was in the snowpack at the same time last year. During February, the snowpack increased less than half as much as usual. Forecasts of April through June streamflow are lower than the levels predicted last month. Most probable forecasts now range from 53% for Pineview Reservoir Inflow to 76% for the Weber near Oakley. End of February reservoir storage was 64% of capacity (78% as much as last year). This is 105% 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

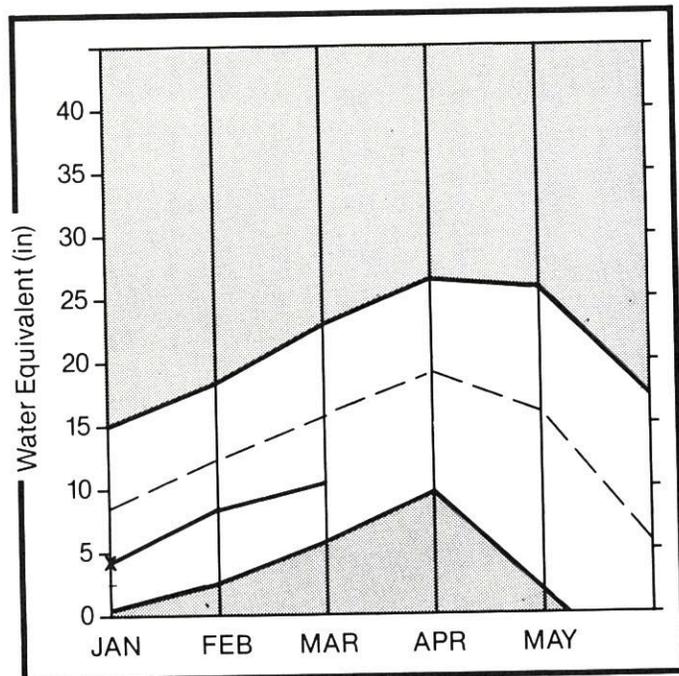
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SMITH AND MOOREHOUSE CREEK near Oakl	APR-JUN	30.1	23.0	76	30.0	100	15.0	50
WEBER RIVER near Oakley	APR-JUN	107.0	70.0	65	100.0	93	45.0	42
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	77.0	64	120.0	100	40.0	33
CHALK CREEK near Coalville	APR-JUN	41.0	22.0	54	35.0	85	10.0	24
WEBER RIVER near Coalville	APR-JUN	127.0	72.0	57	110.0	87	35.0	28
ECHO RESERVOIR inflow	APR-JUN	163.0	103.0	63	150.0	92	60.0	37
LOST CREEK near Croyden	APR-JUN	15.6	10.0	64	17.0	109	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	18.0	62	28.0	97	10.0	34
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	12.0	65	21.0	114	4.0	22
WEBER RIVER at Gateway	APR-JUN	328.0	180.0	55	255.0	78	105.0	32
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	32.0	55	50.0	86	15.0	26
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	65.0	53	90.0	74	35.0	29
WHEELER CREEK near Huntsville	APR-JUN	6.3	3.7	59	5.0	79	2.0	32
FARMINGTON CREEK near Farmington	APR-JUL	8.2	4.5	55	9.0	110	2.0	24

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	3.9	4.4	2.3	OGDEN RIVER	4	109 61
EAST CANYON	48.1	33.0	43.6	35.6	WEBER RIVER	16	95 63
ECHO	73.9	56.1	63.4	49.5	WEBER & OGDEN WATERSHEDS	20	98 62
LOST CREEK	20.0	17.2	17.6	13.4			
PINEVIEW	110.1	41.2	63.8	48.7			
ROCKPORT	60.9	25.4	42.0	30.2			
WILLARD BAY	165.5	133.7	164.8	116.4			

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow water equivalent on the watersheds that drain into the Great Salt Lake through Salt Lake and Tooele County is only 93% of last year which is 65% of the March 1 average. Average additional accumulation during March will produce peak snowpack of only 72% of average on April 1. Forecasts of spring and summer streamflow now range from 50 to 80% of average. Dear Creek Reservoir has 20% more water in storage than usual for the end of February. Other area reservoirs range from 100 to 180% 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

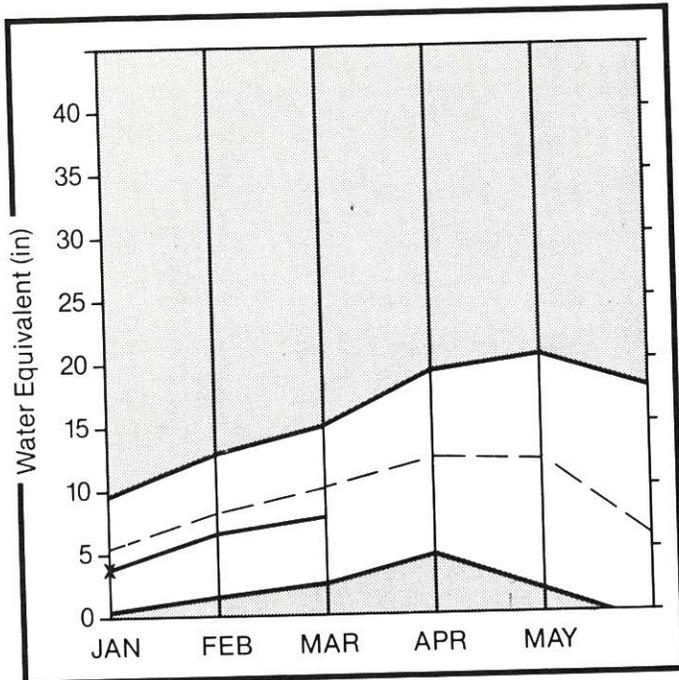
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SALT CREEK near Nephi	APR-JUL	13.5	9.0	67	20.0	148	3.0	22
PAYSON CREEK near Payson	APR-JUL	7.3	4.5	62				
HOBBLE CREEK near Springville	APR-JUL	23.3	13.0	56				
PROVO near Hailstone	APR-JUL	113.0	70.0	62	105.0	93	40.0	35
PROVO below Deer Creek Dam	APR-JUL	133.0	75.0	56	110.0	83	35.0	26
AMERICAN FORK near American Fk.	APR-JUL	34.0	17.0	50	25.0	74	10.0	29
UTAH LAKE inflow	APR-JUL	295.0	200.0	68	285.0	97	120.0	41
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	25.0	61	30.0	73	20.0	49
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	26.0	67	30.0	77	20.0	51
PARLEY'S CREEK near SLC	APR-JUL	17.0	9.0	53	15.0	88	5.0	29
MILL CREEK near SLC	APR-JUL	6.9	4.5	65	7.0	101	3.0	43
EMIGRATION CREEK near SLC	APR-JUL	4.6	2.5	54				
CITY CREEK near SLC	APR-JUL	9.0	5.0	56	7.0	78	3.0	33
VERNON CREEK near Vernon	APR-JUN	1.2	1.0	80	1.6	137	0.3	23
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.7	74	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.0	67	4.0	133	1.0	33

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** STORAGE AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
DEER CREEK	149.6	114.6	130.1	95.5	PROVO RIVER & UTAH LAKE	10	120	67
GRANTSVILLE	3.3	2.0	3.2	---	PROVO RIVER	5	103	60
SETTLEMENT CREEK	1.0	0.9	0.9	0.5	JORDAN RIVER & GREAT SALT	13	84	61
STRAMBERRY-ENLARGED	951.4	478.5	689.3	---	TOOELE & VERNON W.S.'S	4	71	63
UTAH LAKE	855.5	795.0	893.0	689.4	UTAH L.-JORDAN R.-TOOELE	27	92	63
VERNON CREEK	0.6	0.5	0.6	0.5				

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow accumulation on the Uintas was better than other areas of the State but still only 76% of normal during February. March 1 surveys indicate above average snowpack on the north slope drainages east of the Bear and much below average snow water on south slope drainages. Streamflow forecasts now range from 65% of average on the Strawberry River to 92% on Henry's Fork. Reservoir storage ranges from 62% of capacity (132% of average) in Moon Lake to 97% of capacity (143% of average) in Starvation.

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

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

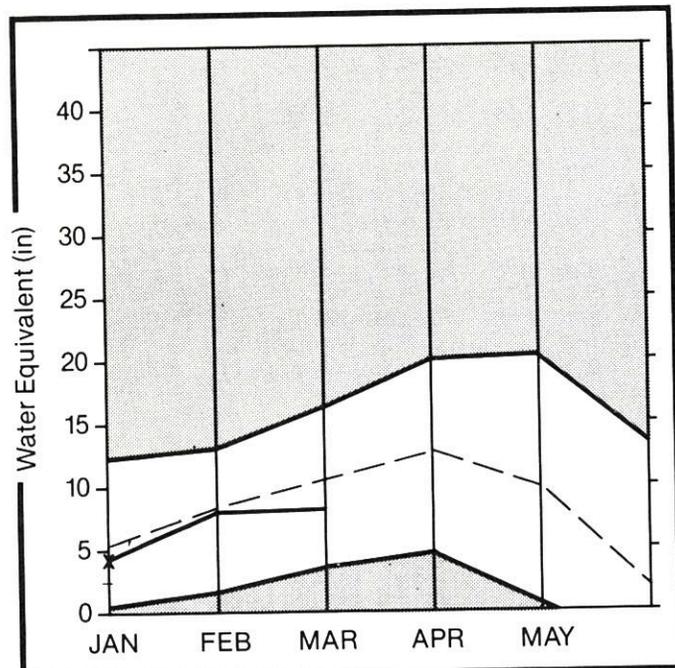
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BLACK'S FORK near Millburne	APR-JUL	90.0	76.0	84	110.0	122	45.0	50
HENRY'S FORK near Manila	APR-SEP	51.0	47.0	92	70.0	137	30.0	59
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	1025.0	71	1400.0	97	695.0	48
ASHLEY CREEK near Vernal	APR-JUL	52.0	42.0	81	55.0	106	30.0	58
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	18.5	66	25.0	89	10.0	36
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	73.0	70	90.0	86	50.0	48
ROCK CREEK near Mountain Home	APR-JUL	95.0	78.0	82	100.0	105	60.0	63
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	135.0	71	173.0	92	175.0	93
CURRENT CREEK near Fruitland	APR-JUL	20.0	13.5	68	18.0	90	9.0	45
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	39.0	65	55.0	92	25.0	42
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	45.0	65	60.0	87	30.0	43
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	58.0	83	80.0	114	40.0	57
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	52.0	79	80.0	121	25.0	38
DUCHESNE near Myton	APR-JUL	223.0	150.0	67	220.0	99	60.0	27
UINTAH RIVER near Neola	APR-JUL	86.0	69.0	80	105.0	122	30.0	35
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	48.0	80	75.0	125	20.0	33
DUCHESNE near Randlett	APR-JUL	257.0	180.0	70	365.0	142	55.0	21

RESERVOIR	RESERVOIR STORAGE (1000AF)				WATERSHED	WATERSHED SNOWPACK ANALYSIS		
	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.		NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
FLAMING GORGE	3749.0	3016.4	2969.3	---	UPPER GREEN RIVER in UTAH	13	88	84
MOON LAKE	35.8	22.1	27.9	16.8	ASHLEY CREEK	2	68	58
RED FLEET	26.0	20.4	17.5	---	BLACK'S FORK RIVER	3	104	100
STEINAKER	33.3	28.0	32.2	21.1	SHEEP CREEK	2	85	108
STARVATION	165.3	160.1	160.3	112.1	DUCHESNE RIVER	16	93	66
STRAWBERRY-ENLARGED	951.4	478.5	689.3	---	LAKE FORK-YELLOWSTONE CK.	3	84	68
					STRAWBERRY RIVER	4	151	71
					UINTAH-WHITEROCKS RIVERS	4	79	65
					UINTAH BASIN & DAGGET SCD	29	91	73

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Minimal increases to the snowpack were received during February. The only area still above average is the Lasal Mountains with 102% of average March 1 snow water content. Snowpack elsewhere in southeastern Utah ranges from 58% of average on Muddy Creek to 88% on the Abajo Mountains. April through July stream-flow forecasts are generally reduced from last month ranging from 62% of average on Muddy Creek near Emery to 102% of average on Mill Creek near Moab. Reservoir storage is 114% of average.

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

STREAMFLOW FORECASTS

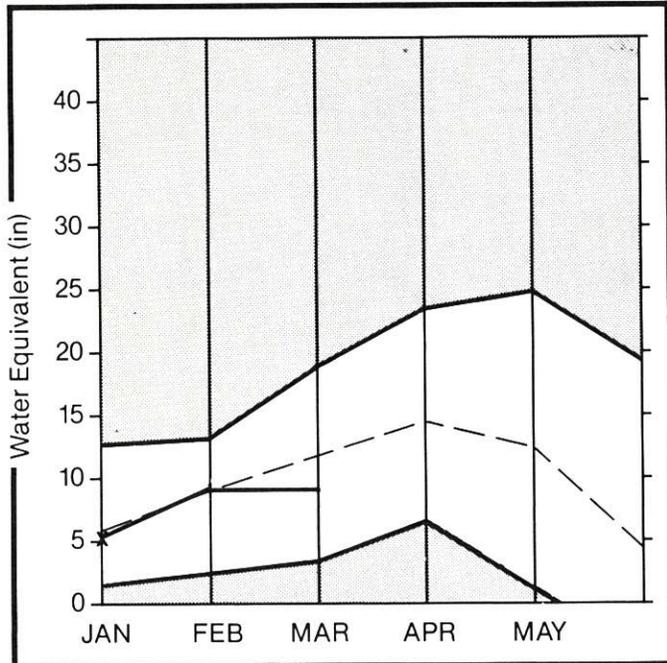
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
COLORADO near Cisco, UT	APR-JUL	3457.0	3300.0	95	4685.0	136	2230.0	65
MILL CREEK near Moab	APR-JUL	5.5	5.6	102	8.0	145	4.0	73
GREEN near Green Rv., UT	APR-JUL	3182.0	2550.0	80	3410.0	107	1690.0	53
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	9.0	75	13.0	108	5.0	42
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	31.0	67	43.0	93	21.0	46
PRICE near Heiner	APR-JUL	78.0	52.0	67				
ELECTRIC LAKE Inflow	APR-JUL	15.1	11.0	73	15.0	99	8.0	53
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	38.0	69	53.0	96	28.0	51
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	35.0	74	50.0	106	15.0	32
FERRON CREEK near Ferron	APR-JUL	41.0	29.0	71	45.0	110	10.0	24
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.6	86	8.0	123	3.0	46
MUDDY CREEK near Emery	APR-JUL	21.0	13.0	62	25.0	119	5.0	24
NAVAJO RESERVOIR inflow	APR-JUL	764.0	750.0	98	1065.0	139	480.0	63
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1050.0	96	1565.0	143	625.0	57

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
HUNTINGTON NORTH	3.9	3.6	4.0	3.0	PRICE RIVER	3	159	82
JOE'S VALLEY	61.6	42.9	45.8	44.6	SAN RAFAEL RIVER	7	113	71
KEN'S LAKE	2.3	0.9	0.9	---	MUDDY RIVER	2	103	58
MILL SITE	16.7	8.6	12.0	4.0	FREMONT RIVER	4	77	71
SCOFIELD	65.8	40.5	52.7	32.2	LASAL MOUNTAINS	2	77	102
					BLUE MOUNTAINS	2	84	88
					WILLOW CREEK - WHITE RIVE	3	132	76
					SOUTHEASTERN UTAH	22	100	77

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Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow water content on the Sevier River watershed normally increases by three inches during February. Last month, however, the snowpack increased by only one-tenth of an inch--one of the smallest increases on record. The poor showing in February resulted in March 1 readings generally in the 70 to 80% range. Streamflow forecasts have dropped 9 to 40% since last month and now range from 60 to 121% of average. Reservoirs on the Sevier and Beaver are now holding 87% of their useable capacity (161% 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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	55.0	106	75.0	144	40.0	77
SEVIER near Circleville	APR-JUL	44.0	50.0	114				
SEVIER near Kingston	APR-JUL	34.0	38.0	112	65.0	191	20.0	59
ANTIMONY CREEK near Antimony	APR-JUL	8.9	9.0	101				
E F SEVIER near Kingston	APR-JUL	24.0	29.0	121	45.0	188	20.0	83
SEVIER blw Piute Dam	APR-JUL	56.0	65.0	116	100.0	179	35.0	63
CLEAR CREEK near Sevier	APR-JUL	22.0	23.0	105				
SIGURD to GUNNISON	APR-JUL	44.0	50.0	114	90.0	205	15.0	34
KINGSTON to VERMILLION DAM	APR-JUN	40.0	40.0	100				
VERMILLION DAM to GUNNISON	MAR-JUN	53.6	60.0	112				
SALINA CREEK at Salina	APR-JUN	18.2	12.0	66				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	7.0	61				
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	15.0	60				
SEVIER nr Gunnison	APR-JUL	99.0	105.0	106				
CHICKEN CREEK near Levan	APR-JUL	3.5	2.1	60	3.0	86	1.0	29
OAK CREEK near Oak City	APR-JUL	1.6	1.1	69	2.0	125	1.0	62
CHALK CREEK near Fillmore	APR-JUL	16.4	13.0	79	19.0	116	7.0	43
BEAVER RIVER near Beaver	APR-JUL	27.0	25.0	93	39.0	144	13.0	48
NORTH CREEK near Beaver (combined)	APR-JUL	14.6	14.0	96	26.0	178	4.0	27
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	9.8	110	14.0	157	5.0	56

RESERVOIR	RESERVOIR STORAGE (1000AF)				WATERSHED	WATERSHED SNOWPACK ANALYSIS		
	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.		NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
GUNNISON	20.3	14.8	20.3	14.0	U SEVIER (s of Richfield)	11	88	74
MINERSVILLE (RkyFd)	26.0	18.8	21.0	12.9	EAST FORK SEVIER RIVER	4	87	78
OTTER CREEK	52.7	52.4	52.6	31.2	SOUTH FORK SEVIER RIVER	7	89	72
PIUTE	71.8	67.8	63.6	41.5	LOWER SEVIER RIVER	12	113	76
SEVIER BRIDGE	236.0	198.5	227.6	119.6	BEAVER RIVER	3	124	95
PANQUITCH LAKE	22.3	18.7	17.5	---	SEVIER & BEAVER R. BASINS	26	105	78

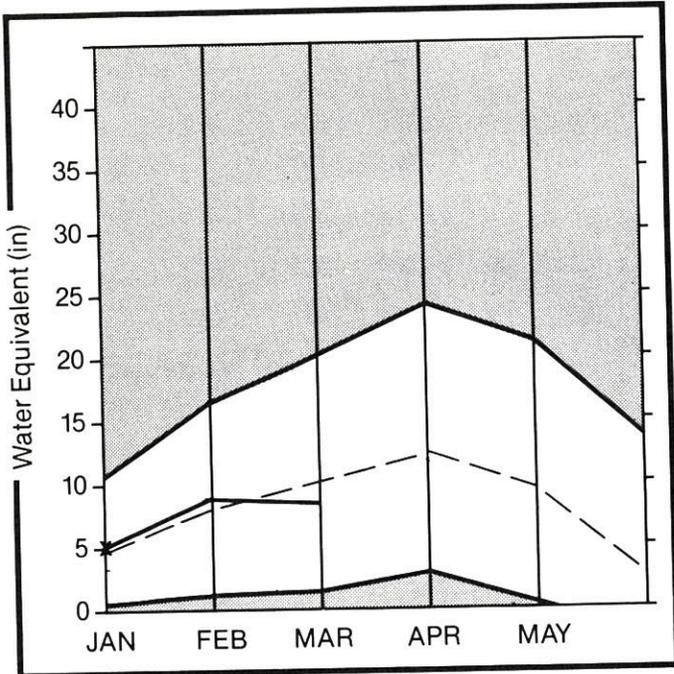
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E. Garfield, Kane, Washington, & Iron Co.

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Water equivalent in southwestern Utah watersheds decreased slightly during February rather than the normal 2.3 inch increase. March 1 snowpack ranges from seventy-five percent of average on the Virgin River watershed to 106% on Parowan Creek. Streamflow forecasts are still for above average flow on the Virgin and Santa Clara Rivers and Coal Creek. Inflow to Lake Powell is now forecast 89% of average. Gunlock and Quail Creek reservoirs have 79 and 95% of capacity in storage respectively. Enterprise Reservoirs have only 10%

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
LAKE POWELL inflow	APR-JUL	8046.0	7200.0	89	10100.0	126	4700.0	58
VIRGIN near Hurricane	APR-JUN	68.0	80.0	118	105.0	154	50.0	74
SANTA CLARA near Pine Valley	APR-JUN	5.0	6.0	120				
COAL CREEK near Cedar City	APR-JUL	20.0	22.0	110	30.0	150	15.0	75

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	8.2	6.4	---	VIRGIN RIVER	5	125	75
LAKE POWELL	25002.0	0.0	21570.0	---	PAROWAN	4	111	106
QUAIL CREEK	40.0	38.0	24.0	---	ENTERPRISE TO NEW HARMONY	2	183	99
UPPER ENTERPRISE	10.0	0.8	---	---	COAL CREEK	3	139	91
LOWER ENTERPRISE	2.6	0.5	---	---	ESCALANTE RIVER	2	57	91
					SOUTHWESTERN UTAH	12	125	91

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 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ALTA CENTRAL	8800	2/29	54	19.7	20.8	30.3
ASHLEY TWIN LAKES	10500	2/24	27	6.2	10.1	13.6
ATWOOD LAKE	10500	2/24	22	4.4	8.6	9.7
BEAVER CREEK DIVIDE	8280	2/25	26	6.8	7.1	10.8
BEAVER DAMS	8000	2/23	28	8.3	7.0	10.5
BEN LOMOND PEAK	8000	2/27	52	16.9	20.8	31.2
BEN LOMOND TRAIL	6000	2/27	34	10.6	10.2	16.7
BEVAN'S CABIN	6450	2/29	24	7.1	11.1	8.8
BIG FLAT	10290	2/22	47	14.8	13.5	14.5
BIRCH CROSSING	8100	2/23	23	8.3	5.0	6.4
BLACK'S FLAT-U.M. CK	9400	2/23	28	7.0	7.0	9.4
BLACK'S FORK	9200	2/23	-	7.0E	6.8	11.5
BLACK'S FORK GS-EF	9340	2/25	32	8.1	6.5	7.6
BLACK'S FORK JUNCTN	8930	2/25	31	7.7	6.6	7.6
BOX CREEK	9300	2/23	34	9.3	7.5	11.4
BRIAN HEAD	10000	2/22	55	17.3	17.1	16.5
BRIGHTON	8750	2/29	40	12.8	17.6	29.3
BRIGHTON CABIN	8700	2/29	41	12.9	15.0	23.2
BROWN DUCK RIDGE	10600	2/24	48	12.5	13.8	16.9
BRYCE CANYON	8000	2/22	13	1.4	3.7	4.6
BUCK FLAT	9800	2/23	35	10.4	9.0	14.8
BUCK PASTURE	9700	2/24	45	10.8	10.8	13.5
BUCKBOARD FLAT	9000	2/29	30	9.4	13.0	10.8
BUG LAKE	7950	2/26	40	12.0	8.9	15.5
BURT'S-MILLER RANCH	7900	2/25	18	3.8	3.8	4.6
CAMP JACKSON	8600	2/29	30	10.2	10.4	11.5
CASTLE VALLEY	9580	2/22	36	10.0	10.3	11.4
CHALK CREEK #1	9100	2/24	44	13.2	15.3	18.7
CHALK CREEK #2	8200	2/25	36	9.2	10.2	12.2
CHALK CREEK #3	7500	2/25	24	5.1	5.4	6.7
CHEPETA	10300	2/25	31	7.1	9.2	10.6
CHEPETA-WHITERKS. LK	10350	2/24	35	8.0	9.9	12.6
CITY CREEK	7500	3/01	41	13.0	14.4	22.7
CLEAR CREEK MEADOWS	9420	2/23	48	13.6	13.8	19.3
CLEAR CREEK RIDGE #1	9200	2/24	38	12.5	8.6	16.2
CLEAR CREEK RIDGE #2	8000	2/24	37	9.7	7.3	12.3
CLEAR CREEK RIDGE #3	6600	2/24	25	6.1	3.1	7.5
CURRANT CREEK	8000	2/24	24	6.3	3.4	8.9
DANIELS-STRAWBERRY	8000	2/24	32	9.3	5.3	12.9
DESERET PEAK	9250	2/29	25	7.3	-	22.2
DILL'S CAMP	9200	2/23	21	5.8	5.6	10.6
DONKEY RESERVOIR	9800	2/23	22	4.5	12.1	6.7
DRY BREAD POND	8350	2/26	33	10.2	5.6	16.0
DUCK CREEK R.S.	8700	2/25	-	7.6E	9.8	11.8
EAST SHINGLE LAKE	9800	2/24	51	14.8	14.3	22.8
EAST WILLOW CREEK	8250	2/26	29	7.5	6.0	9.9
FARMINGTON CANYON	8000	2/27	43	13.4	16.4	26.1
FARMINGTON CANYON L.	6950	2/27	37	10.8	13.4	20.0
FARNSWORTH LAKE	9600	2/23	43	11.6	15.7	15.5

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
FISH LAKE	8700	2/23	20	5.2	5.0	7.4
FIVE POINT LAKE	11000	2/24	40	8.4	12.4	13.1
FRANCES FLATS	6700	3/01	28	9.2	11.3	18.1
G.B.R.C. HEADQUARTER	8700	2/23	34	11.0	10.1	14.2
G.B.R.C. MEADOWS	10000	2/23	44	13.5	13.3	20.0
GARDEN CITY SUMMIT	7600	2/26	31	8.7	5.6	15.4
GEORGE CREEK	8840	2/23	42	12.2	12.4	18.1
GOOSEBERRY R.S.	8000	2/23	30	8.5	8.6	10.1
HARDSCRABBLE	6700	2/27	34	10.3	9.6	17.0
HARRIS FLAT	7700	2/22	16	4.2	6.1	7.9
HAYDEN FORK	9400	2/25	35	9.0	9.3	12.9
HENRY'S FORK	10000	2/24	37	10.0	10.8	11.3
HEWINTA G.S.	9500	2/25	33	8.9	7.7	7.5
HIDDEN SPRINGS	5500	3/02	7	2.5	3.6	6.0
HOLE-IN-THE-ROCK	9150	2/25	22	4.9	5.2	4.5
HOLE-IN-THE-ROCK GS	8300				-	2.3
HICKERSON PARK	9100	2/25	32	9.3	6.7	5.5
HOBBLE CREEK SUMMIT	7420	2/24	33	9.7	5.6	12.9
HORSE RIDGE	8260	2/27	40	12.6	10.4	18.9
HUNTINGTON-HORSESHOE	9800	2/24	43	14.8	13.0	21.3
INDIAN CANYON	9100	2/24	33	8.0	7.3	10.8
JOHNSON VALLEY	8850	2/23	18	4.4	3.2	6.4
KILFOIL CREEK	7300	2/27	32	8.0	8.0	12.5
KILLYON CANYON	6300	3/02	18	6.1	7.5	6.9
KIMBERLY MINE (UPPER)	9300	2/22	41	12.0	11.7	13.1
KING'S CABIN (UPPER)	8730	2/25	20	3.9	6.7	8.5
KLONDIKE NARROWS	7400	2/26	39	12.7	9.1	17.4
KOLOB-CRYSTAL	9250	2/22	52	15.9	9.2	17.4
LAKEFORK BASIN	11100	2/24	45	10.8	10.9	17.7
LAKEFORK MOUNTAIN #1	10200	2/24	28	6.4	8.9	9.4
LAKEFORK MOUNTAIN #3	8400	2/24	17	3.0	3.4	5.7
LAMBS CANYON	7400	2/25	37	11.0	11.3	14.2
LASAL MOUNTAIN LOWER	8800	3/02	25	7.2	8.9	7.8
LASAL MOUNTAIN (UPP)	9850	3/02	45	13.6	18.1	12.6
LIGHTNING LAKE	10500	2/24	54	13.5	15.2	19.8
LILY LAKE	9050	2/25	33	8.9	10.1	11.9
LITTLE BEAR (LOWER)	6000	2/26	26	6.9	6.7	9.5
LITTLE BEAR (UPPER)	6550	2/26	26	7.0	7.7	11.2
LITTLE GRASSY CREEK	6100	2/22	9	2.6	.0	4.0
LONG FLAT	8000	2/22	27	7.3	5.4	6.0
LONG VALLEY JCT.	7500	2/22	0	.0	1.5	4.9
LOST CREEK RESERVOIR	6130	2/27	16	4.4	3.4	5.8
MAMMOTH-COTTONWOOD	8800	2/24	42	14.0	9.3	18.4
MERCHANT VALLEY (UP)	8750	2/22	35	9.2	6.4	10.5
MIDDLE BEAVER CREEK	8650				-	3.6
MIDDLE CANYON	7000	2/29	26	8.0	13.4	11.7
MIDWAY VALLEY	9800	2/22	50	16.0	14.3	18.1
MILL CREEK	6950	2/25	40	11.4	12.9	16.3
MILL D SOUTH FORK	7400	2/26	36	10.8	12.6	17.2

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
MONTE CRISTO R.S.	8960	2/26	43	14.3	11.1	21.6
MOSBY MOUNTAIN (LOW)	9500	2/25	20	4.1	5.4	8.2
MT. BALDY R.S.	9500	2/23	51	16.2	13.3	20.2
MUD CREEK #2	8600	2/23	34	8.9	7.6	11.9
OAK CREEK	7760	2/22	31	8.0	4.8	11.4
ONE MILE SUMMIT	7330	2/23	12	3.0	3.1	6.0
OTTER LAKE	9600	2/22	37	10.9	8.2	11.6
PANQUITCH LAKE	8200	2/22	9	1.8	4.5	4.6
PARADISE PARK	10100	2/25	28	8.4	10.6	11.2
PARLEY'S CANYON SUM.	7500	2/25	40	11.8	12.2	16.0
PAYSON R.S.	8050	2/22	40	11.9	10.6	16.6
PICKLE KEG SPRING	9600	2/23	33	9.2	9.0	14.6
PINE CANYON	8000	2/27	37	11.0	9.8	17.4
PINE CREEK	8800	2/22	37	12.4	10.5	14.0
REDDEN MINE LOWER	8500	2/25	34	9.6	10.2	15.2
RED PINE RIDGE	9200	2/23	36	10.5	9.9	15.0
REES'S FLAT	7300	2/22	30	7.9	6.5	11.2
REYNOLDS PARK	10400	2/24	41	9.4	13.2	13.8
ROCK CREEK	7900	2/24	16	3.6	3.2	6.8
ROCKY BASIN-SETTLEMT	8900	2/29	39	11.7	18.4	23.4
SEELEY CREEK R.S.	10000	2/23	32	11.1	9.2	14.4
SERGEANT LAKES	8300	2/24	24	6.2	9.4	14.5
SHINGLE MILL	6200	2/29	24	7.1	5.3	7.8
SILVER LAKE (BRIGHT.)	8730	2/26	40	12.7	14.4	20.6
SMITH & MOREHOUSE	7600	2/24	29	7.5	7.8	11.4
SNOWBIRD GAD VALLEY	9700	2/23	59	19.2	27.4	28.1
SOAPSTONE R.S.	7800	2/25	-	7.7E	8.0	11.1
SPIRIT LAKE	10300	2/25	33	7.5	13.0	10.1
SQUAW SPRINGS	9300	2/23	17	4.1	3.8	6.6
STEEL CREEK PARK	10100	2/25	44	12.4	13.9	12.9
STILLWATER CAMP	8550	2/25	29	7.1	6.8	8.6
STRAWBERRY DIVIDE	8400	2/26	38	11.8	7.4	17.0
STUART R.S.	7950	2/23	21	5.2	4.2	7.4
SUSC RANCH	8200	2/23	21	9.4	5.2	7.7
TALL POLES	8800	2/23	39	11.0	9.5	12.2
THAYNES CANYON	9200	2/27	43	12.2	13.5	-
THISTLE FLAT	8500	2/23	37	11.1	-	13.8
TIMPANOGOS DIVIDE	8140	2/24	33	9.2	11.1	22.0
TONY GROVE LAKE	8400	2/26	64	23.3	14.3	30.9
TONY GROVE R.S.	6250	2/26	32	8.9	5.3	11.1
TRIAL LAKE	9960	2/25	46	13.2	13.4	20.6
TROUT CREEK	9400	2/25	25	6.0	7.8	8.5
UPPER JOES VALLEY	8900	2/23	28	6.6	6.2	9.6
VERNON CREEK	7500	2/29	27	7.1	4.9	10.1
VIPONT	7670	2/23	29	8.1	7.4	13.4
WEBSTER FLAT	9200	2/22	36	11.6	7.1	15.0
WHITE RIVER #1	8550	2/24	33	9.3	5.1	11.9
WHITE RIVER #3	7400	2/24	28	7.7	3.6	7.9
WIDTSOE-ESCALANTE #3	9500	2/23	38	10.2	13.6	9.4
WRIGLEY CREEK	9000	2/23	27	6.8	6.6	9.8
YANKEE RESERVOIR	8700	2/22	35	9.0	9.5	8.0



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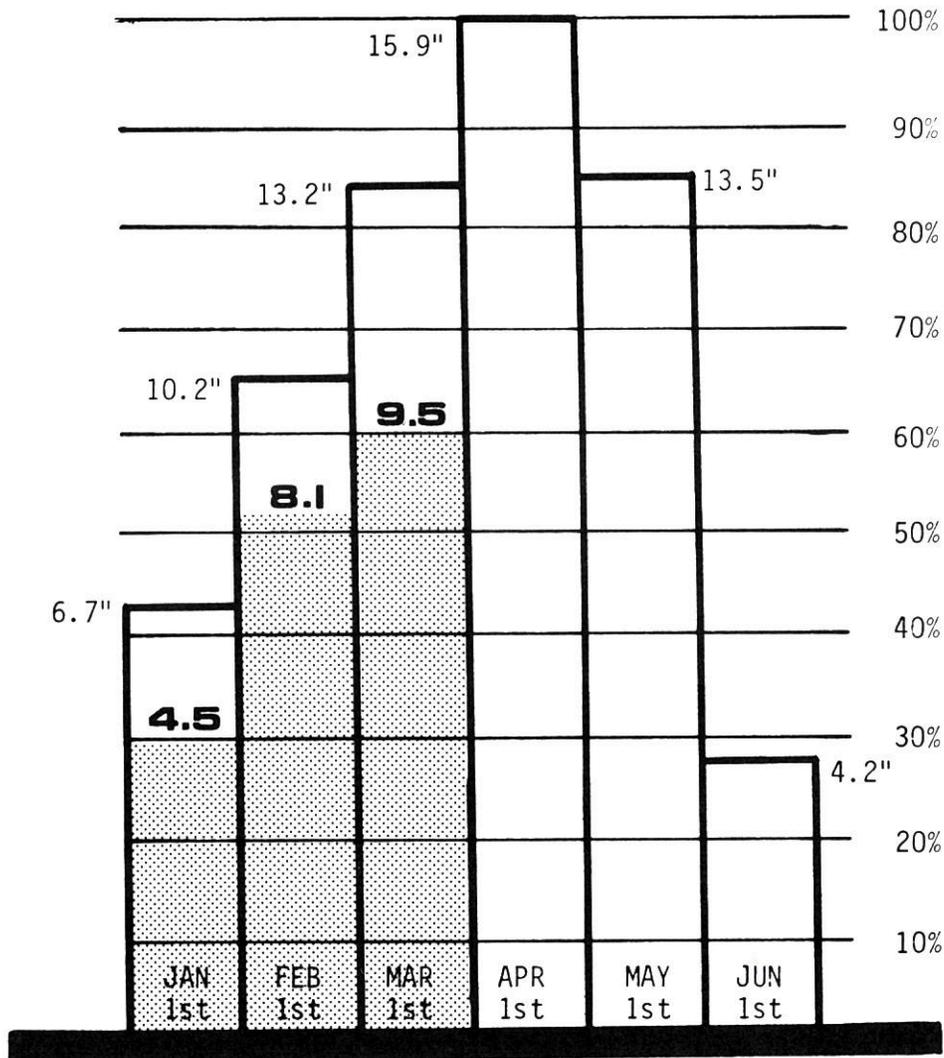
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Salt Lake City,
Utah



Utah Snowpack Progress

1988



Statewide

N O T E :

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

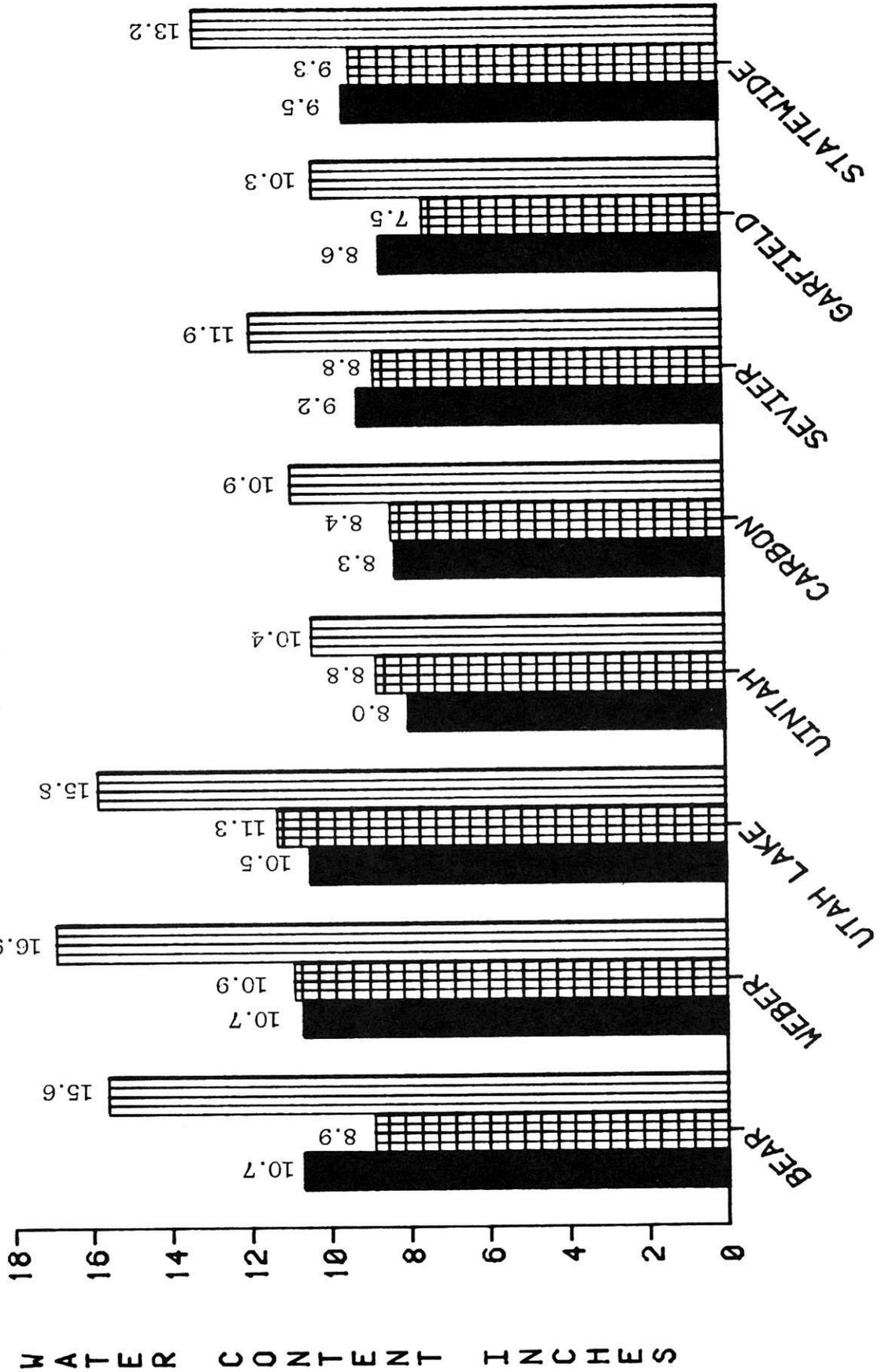
Averages are for the period 1961-1985.

1988 SNOWPACK CAMPARISON

March 1, 1988

03/01/87

03/01/88
03/01 AVERAGE





United States
Department of
Agriculture

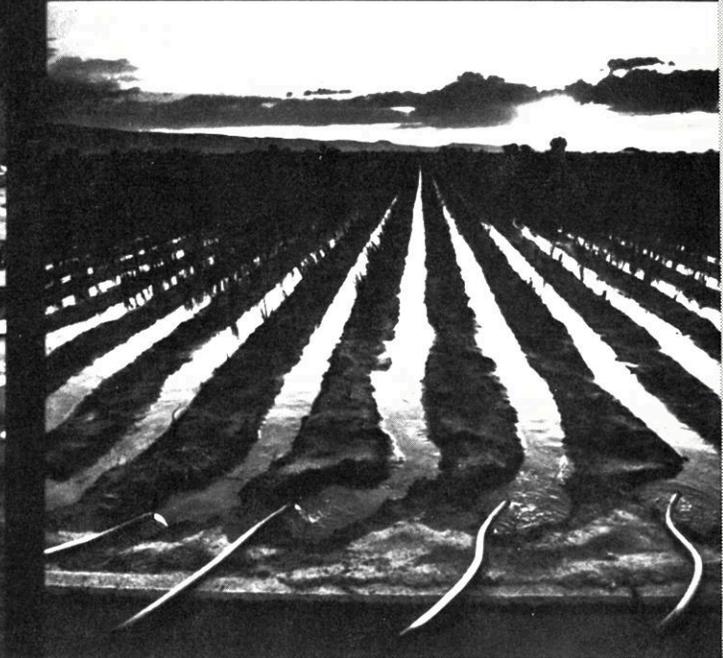
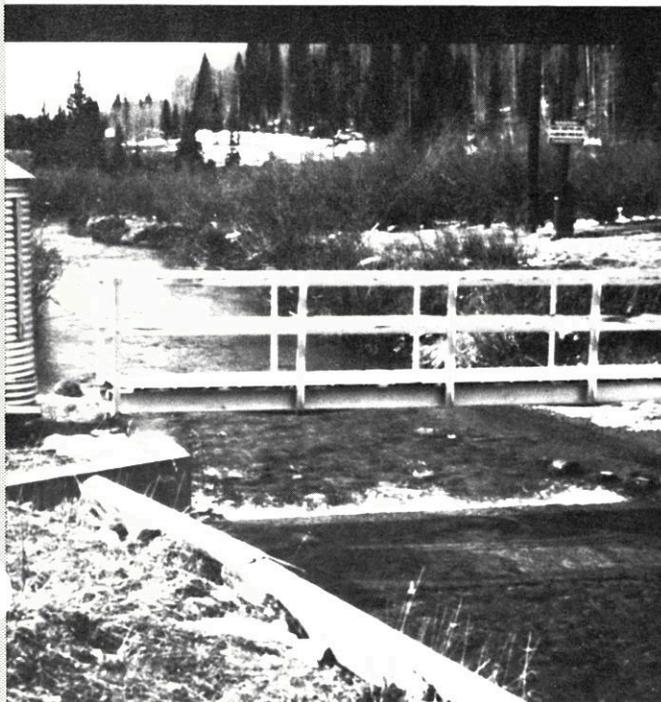
Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

April 1, 1988



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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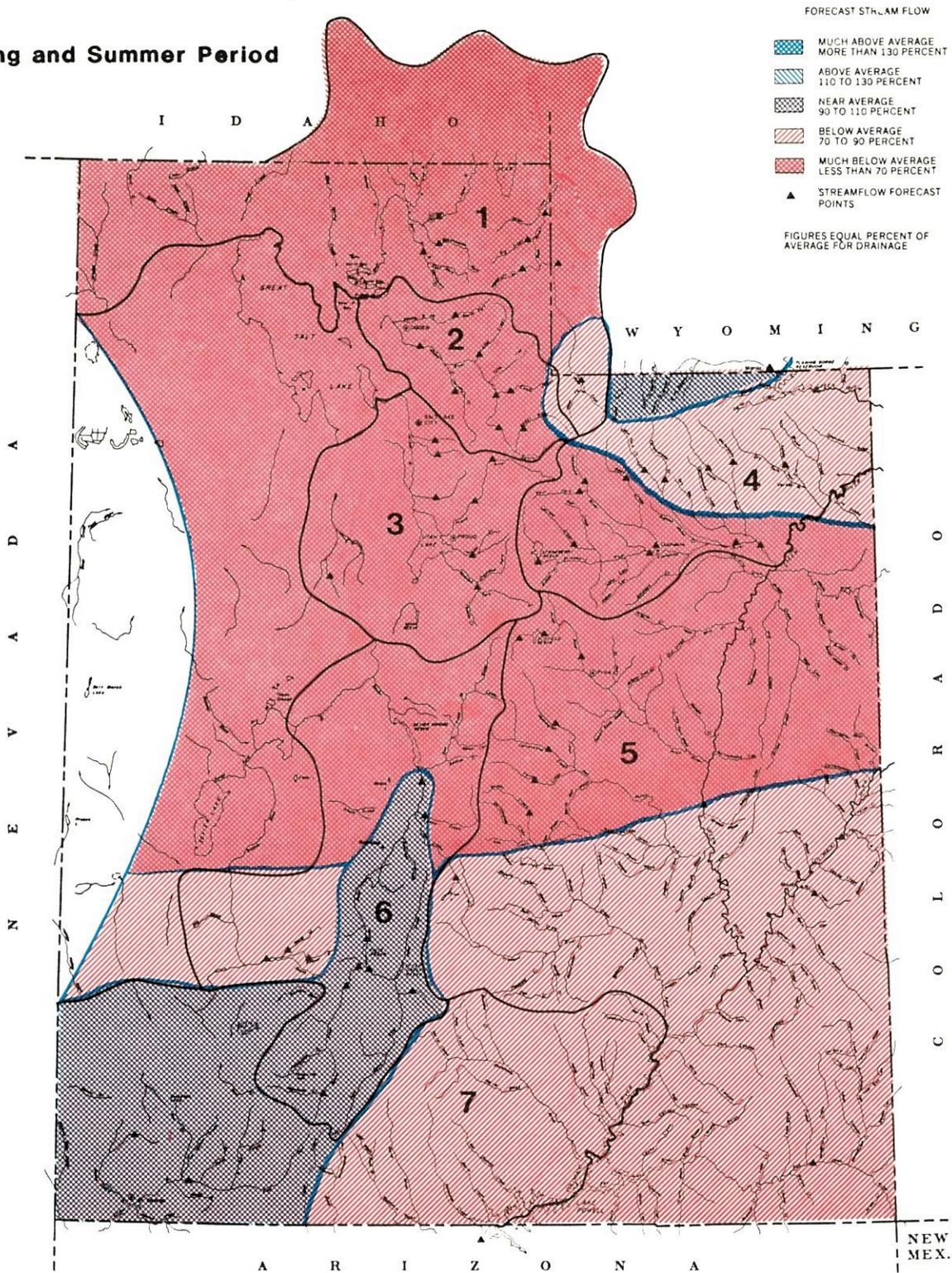
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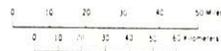
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Streamflow Prospects for Utah

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



GENERAL OUTLOOK

SUMMARY

April first snow water measurements are generally in the 60 to 70% of average range following another month of below average precipitation. Streamflow forecasts have been reduced another 5 to 15% and it is becoming likely that some reservoirs will not fill. Without abundant spring and summer rains water shortages are likely in areas lacking sufficient groundwater or stored reserves.

SNOWPACK

March storms produced only about one-half as much additional snow water accumulation as is normal for the month. Many watersheds in the State have even less snow water than at this time last year--another very poor snow year. Not since water years 1966 and 1967 have we had two back-to-back below average years of this magnitude on a state-wide basis. Southwestern Utah experienced the second consecutive month of net snow water loss. April first snow water equivalent ranges from 61% of average on the Weber River watershed to 74% on the Sevier.

PRECIPITATION

Precipitation at mountain stations was much below average during March continuing the dry pattern begun last month. Mountain precipitation was distributed more evenly in March, however, with most areas across the State receiving 50 to 60% of normal precipitation for the month. Valley precipitation stations generally received 60 to 80% of average during March with southern stations faring slightly better than stations to the north. Water year accumulations at northern valley stations are near 70% of normal which is close to amounts recorded last year. October through March precipitation at southern valley stations remains generally above average with the Upper Sevier at 110% and the Virgin at 120%.

RESERVOIRS

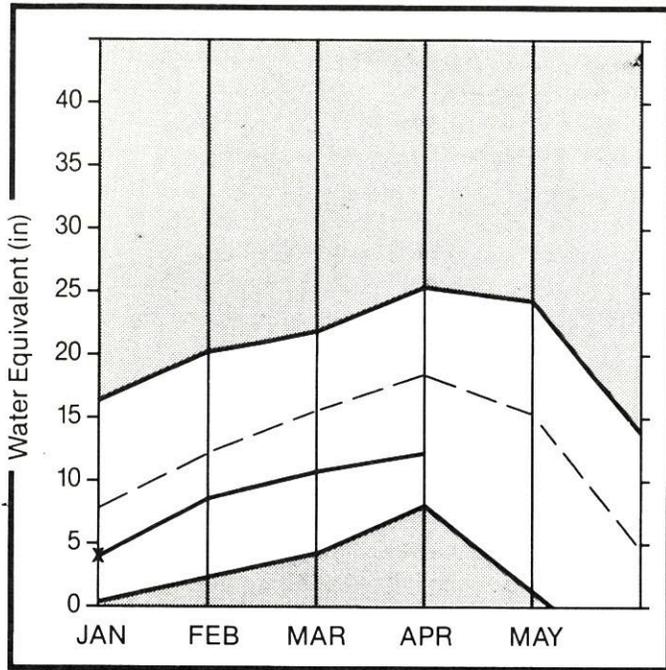
Stored water in 26 of Utah's key reservoirs is still above usual for April first (117%). Volumes at this time are 87% of last years value. Poor snowpacks, early melt, and poor forecasted flows have promoted managers to store as much as possible so far this season. With the exception of the Enterprise Reservoirs, Pineview, and East Canyon, most reservoirs will fill this season and meet the demands of an average demand season. There remains the concern, however, that another droughty winter wouldn't provide sufficient inflow for next seasons water demands. A concern in the Weber Basin is that present total stored water in that basin is over 10,000 ac-ft less than on April 1, 1977.

STREAMFLOW

Persistent warm, dry weather continues to erode prospects for summer runoff. Across the State predicted volumes have fallen by an average of 9% compared to average. Worst conditions exist in the Weber Basin with East Canyon lowest at 26% of average. Several other streams in this basin are forecast at less then 40% of average. Other forecasts are typically near 60% of average with 80% expected in the Sevier Basin to near average in southern Utah. It is likely, however, that these most probable values may be optimistic in view of the droughty trend that seems to persist. These expectations will decline even further with less than average precipitation in April.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow water content on the Bear River watershed is greater than last year at this time but only 66% of average. March storms contributed only about half as much additional water content to the snowpack as is usual for the month. Streamflow predictions have declined to an average of 59% of usual with the April-July predictions for the Bear nr Randolph the lowest at 46% of average. Reservoir storage is 106% 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

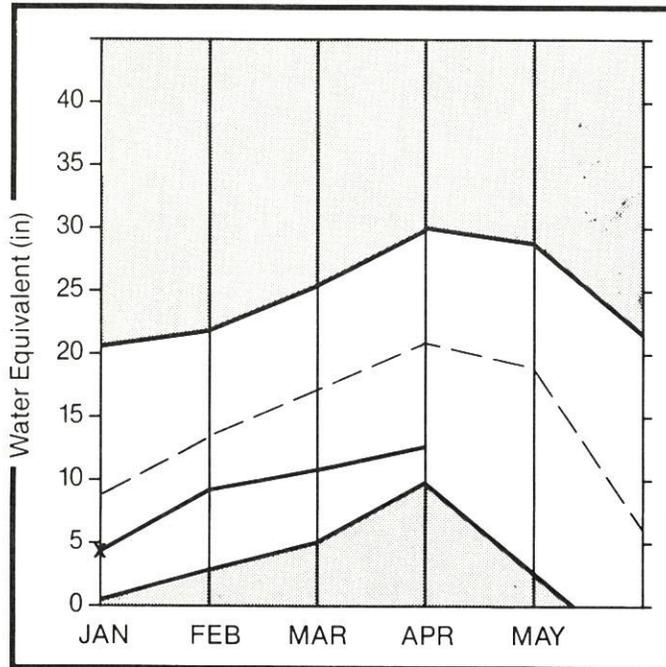
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	88.0	76	115.0	99	60.0	52
BEAR near Woodruff	APR-JUL	150.0	98.0	65	175.0	117	20.0	13
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	11.0	64	15.0	87	7.0	40
BIG CREEK near Randolph	APR-JUL	5.3	2.9	55	6.0	113	1.0	19
BEAR near Randolph	APR-JUL	126.0	57.7	46	0.0		0.0	
SMITHS FORK near Border	APR-SEP	123.0	75.0	61	140.0	114	30.0	24
THOMAS FORK near Stateline	APR-SEP	37.0	20.0	54	40.0	108	10.0	27
BEAR RIVER near Harer	APR-SEP	310.0	150.0	48	277.0	89	60.0	19
CUB RIVER near Preston	APR-JUL	46.8	28.0	60				
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	26.0	62	40.0	95	10.0	24
LOGAN RIVER near Logan	APR-JUL	122.0	70.0	57	95.0	78	45.0	37
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	30.0	59	45.0	88	15.0	29

RESERVOIR	RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS		
	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	** USEABLE STORAGE LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
BEAR LAKE	1421.0	1064.7	1086.2	1002.1	BEAR RIVER, UPPER IN UTAH	6	109 70
HYRUM	15.3	15.3	13.4	12.2	BEAR RIVER, LOWER IN UTAH	10	133 67
PORCUPINE	11.3	5.3	11.3	5.0	BEAR R. DRAINAGE IN UTAH	15	125 67
WOODRUFF NARROWS	55.8	33.3	---	---	BEAR RIVER, UPPER	12	113 72
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	19	136 64
					BEAR RIVER DRAINAGE	29	127 66
					LOGAN RIVER	5	141 68
					RAFT RIVER	4	99 64
					BEAR RIVER BASIN	35	122 66

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

The Weber River watershed normally receives 3.5" additional snow water content in March. This March, however, only 1.8" were received (51% of average). April 1 snow water equivalent is less than last year and only 61% of average. Streamflow predictions have declined 12% compared to March 1. East Canyon for example is expected to flow at 26% of average. The high is forecast on Smith and Morehouse Creek at 71%. This dismal outlook means early and very low flows during times of irrigation and will likely not fill Pineview Reservoir. Only very excessive precipitation can overcome current deficits. Reservoir storage is 109% of average which is 10,000 ac-ft less than in 1977 at this same time.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

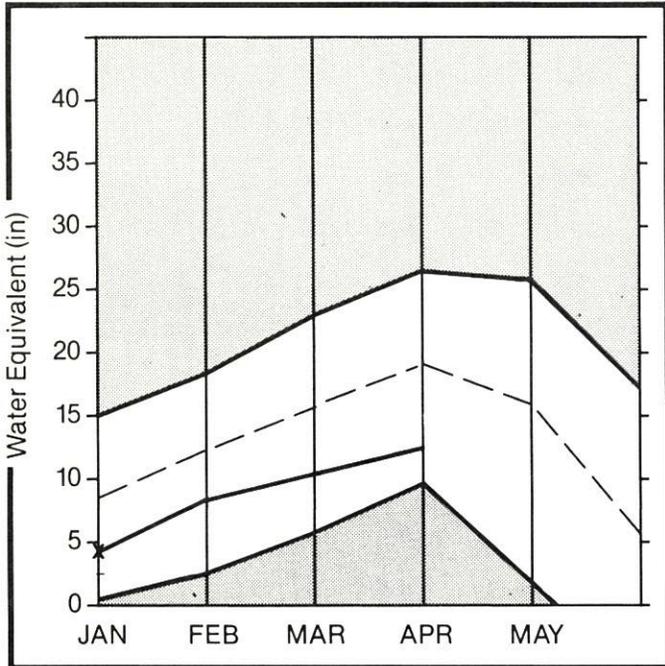
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SMITH AND MOOREHOUSE CREEK near Oakl	APR-JUN	30.1	21.5	71	25.0	83	15.0	50
WEBER RIVER near Oakley	APR-JUN	107.0	68.0	64	85.0	79	45.0	42
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	70.0	58	95.0	79	35.0	29
CHALK CREEK near Coalville	APR-JUN	41.0	20.0	49	30.0	73	12.0	29
WEBER RIVER near Coalville	APR-JUN	127.0	65.5	52	0.0		0.0	
ECHO RESERVOIR inflow	APR-JUN	163.0	90.0	55	127.0	78	57.0	35
LOST CREEK near Croyden	APR-JUN	15.6	8.0	51	13.0	83	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	7.5	26	16.0	55	4.0	14
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	10.2	55	18.0	98	4.0	22
WEBER RIVER at Gateway	APR-JUN	328.0	133.4	41	0.0		0.0	
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	20.0	34	32.0	55	8.0	14
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	55.0	45	75.0	61	30.0	25
WHEELER CREEK near Huntsville	APR-JUN	6.3	2.7	43	4.0	64	2.0	32
FARMINGTON CREEK near Farmington	APR-JUL	8.2	2.9	35	7.0	85	1.0	12

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	4.2	4.4	2.6	OGDEN RIVER	4	104	59
EAST CANYON	48.1	36.5	38.5	36.6	WEBER RIVER	16	97	61
ECHO	73.9	62.2	66.2	49.5	WEBER & OGDEN WATERSHEDS	20	99	61
LOST CREEK	20.0	17.9	16.2	13.3				
PINEVIEW	110.1	47.3	62.6	55.6				
ROCKPORT	60.9	33.0	41.2	30.9				
WILLARD BAY	165.5	139.6	164.9	125.3				

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

March storms yielded less than 60% as much additional water equivalent to the snowpack as usual on the watersheds that drain into the Jordan River and Tooele Valley. Snow surveys conducted near April first indicate the water content is only 86% of last year or 62% of average. Poor runoff expected this summer on March first is forecast even less on April first with 49% of average expected on the Provo below Deer Creek Reservoir. Most of the drainages into the Salt Lake Valley are near 50% of average, Amounts less than were measured in the very dry year of 1977. Reservoir storage is currently above average for April first.

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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SALT CREEK near Nephi	APR-JUL	13.5	8.0	59	18.0	133	3.0	22
PAYSON CREEK near Payson	APR-JUL	7.3	3.5	48				
HOBBLE CREEK near Springville	APR-JUL	23.3	10.0	43				
PROVO near Hailstone	APR-JUL	113.0	60.0	53	80.0	71	30.0	27
PROVO below Deer Creek Dam	APR-JUL	133.0	65.0	49	95.0	71	35.0	26
AMERICAN FORK near American Fk.	APR-JUL	34.0	15.0	44	20.0	59	12.0	35
UTAH LAKE inflow	APR-JUL	295.0	165.0	56	250.0	85	95.0	32
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	21.0	51	25.0	61	17.0	41
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	21.0	54	25.0	64	15.0	38
PARLEY'S CREEK near SLC	APR-JUL	17.0	7.5	44	13.0	76	5.0	29
MILL CREEK near SLC	APR-JUL	6.9	3.5	51	5.0	72	2.0	29
EMIGRATION CREEK near SLC	APR-JUL	4.6	2.0	43				
CITY CREEK near SLC	APR-JUL	9.0	4.0	44	5.0	56	3.0	33
VERNON CREEK near Vernon	APR-JUN	1200.0	950.0	79	1560.0	130	335.0	28
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.6	70	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	1.5	50	3.0	100	1.0	33

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	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
DEER CREEK	149.6	127.8	139.0	97.9	PROVO RIVER & UTAH LAKE	10	107	64
GRANTSVILLE	3.3	2.4	3.3	---	PROVO RIVER	5	100	54
SETTLEMENT CREEK	1.0	0.9	0.9	0.6	JORDAN RIVER & GREAT SALT	13	80	60
STRAWBERRY-ENLARGED	951.4	480.7	540.1	---	TOOELE & VERNON W.S.'S	5	75	66
UTAH LAKE	855.5	822.7	878.0	722.9	UTAH L.-JORDAN R.-TOOELE	28	86	62
VERNON CREEK	0.6	0.6	0.6	0.5				

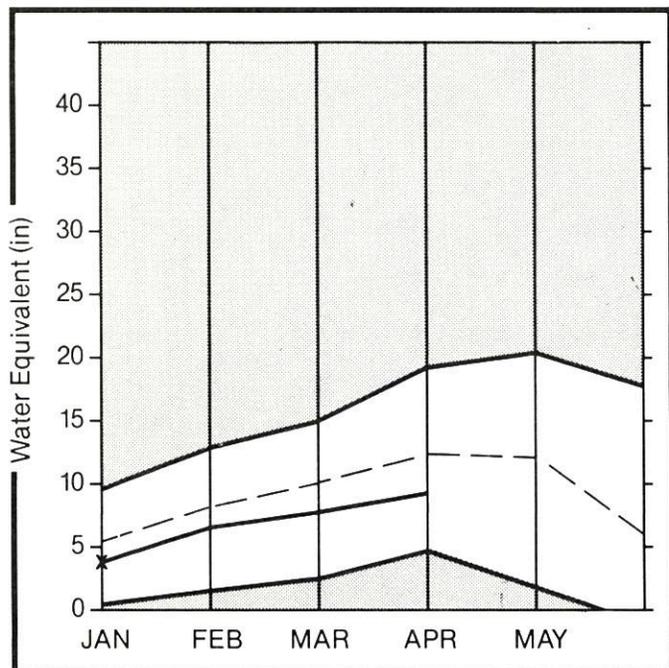
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Additional snow water accumulation on Uinta Mountain watersheds during March was only 58% of normal which leaves total snow water content on April first at 73% of average (85% of last year). Individual watersheds range from 59% of average on Ashley Creek to 108% on Sheep Creek. Average runoff this summer is forecast for Henry's Fork near Manila. All outlooks for runoff on the south slope have diminished since last month ranging from 79% on Lakefork River to 52% inflow expected to Strawberry Reservoir. Reservoir storage is good with 130-140% of average volumes reported.

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

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

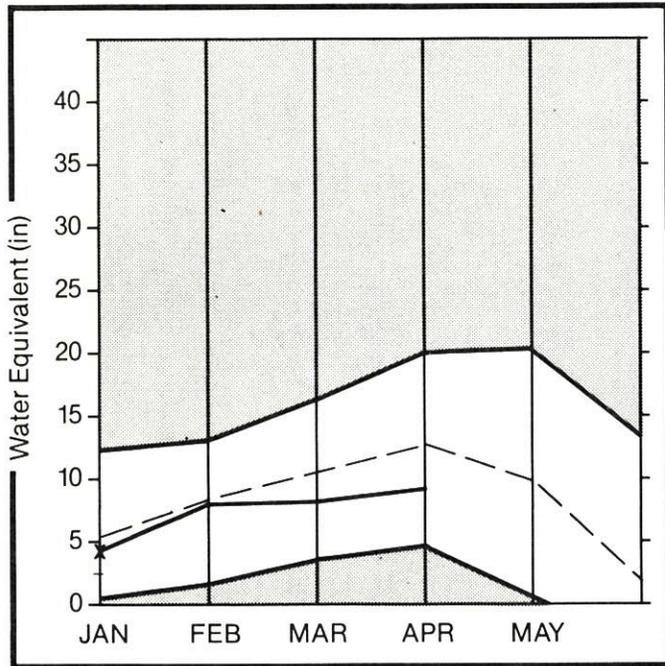
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BLACK'S FORK near Millburne	APR-JUL	90.0	81.0	90	110.0	122	55.0	61
HENRY'S FORK near Manila	APR-SEP	51.0	52.0	102	70.0	137	35.0	69
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	1025.0	71	1330.0	92	750.0	52
ASHLEY CREEK near Vernal	APR-JUL	52.0	40.0	77	50.0	96	30.0	58
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	16.6	59	20.0	71	12.0	43
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	66.0	63	80.0	76	50.0	48
ROCK CREEK near Mountain Home	APR-JUL	95.0	63.0	66	80.0	84	45.0	47
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	115.0	61	150.0	79	85.0	45
CURRANT CREEK near Fruitland	APR-JUL	20.0	12.8	64	16.0	80	10.0	50
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	31.0	52	40.0	67	20.0	33
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	39.0	57	50.0	72	30.0	43
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	55.0	79	70.0	100	45.0	64
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	49.0	74	75.0	114	25.0	38
DUCHESNE near Myton	APR-JUL	223.0	120.0	54	180.0	81	50.0	22
UINTAH RIVER near Neola	APR-JUL	86.0	66.0	77	100.0	116	30.0	35
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	47.0	78	70.0	117	25.0	42
DUCHESNE near Randlett	APR-JUL	257.0	160.0	62	340.0	132	50.0	19

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
FLAMING GORGE	3749.0	3019.6	2983.4	---	UPPER GREEN RIVER in UTAH	15	90	86
MOON LAKE	35.8	24.8	27.9	18.3	ASHLEY CREEK	2	73	59
RED FLEET	26.0	20.7	17.7	---	BLACK'S FORK RIVER	3	111	99
STEINAKER	33.3	30.1	32.2	22.6	SHEEP CREEK	2	88	108
STARVATION	165.3	162.5	161.2	114.1	DUCHESNE RIVER	16	80	64
STRAWBERRY-ENLARGED	951.4	480.7	540.1	---	LAKE FORK-YELLOWSTONE CK.	3	71	63
					STRAWBERRY RIVER	4	108	66
					UINTAH-WHITEROCKS RIVERS	4	72	66
					UINTAH BASIN & DAGGET SCD	31	85	73

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

March was the second consecutive month of much below average snowpack accumulation in southeastern Utah. Two months ago the snowpack was 95% of average. Snow surveys conducted near April first indicate the snow water content has fallen to 72% of normal. Forecasts of spring and summer runoff have slipped from a March first 76% of average to 68% on April first. Early streamflows are occurring and streamflow peaks will be weak this season. Reservoir storage remains good at 111% of usual.

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

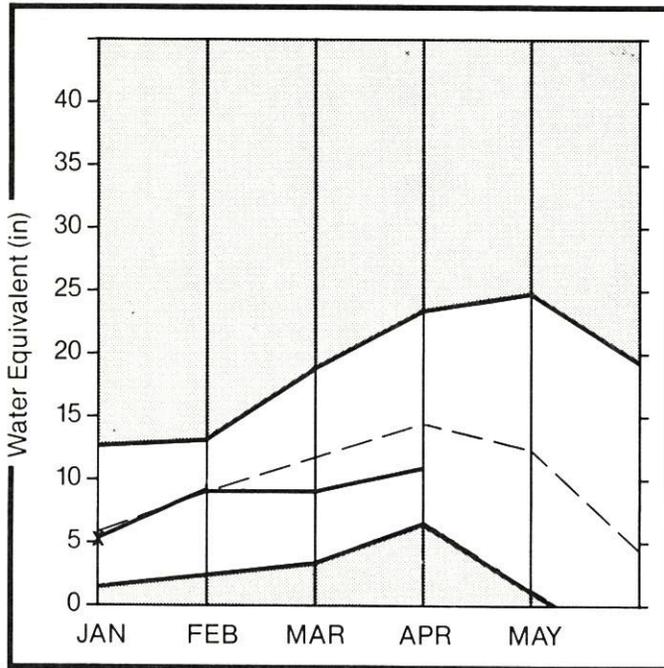
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
COLORADO near Cisco, UT	APR-JUL	3457.0	2800.0	81	3837.0	111	1936.0	56
MILL CREEK near Moab	APR-JUL	5.5	5.5	100	7.0	127	4.0	73
GREEN near Green Rv., UT	APR-JUL	3182.0	2550.0	80	3250.0	102	1850.0	58
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	7.9	66	11.0	92	5.0	42
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	27.0	59	35.0	76	20.0	43
PRICE near Heiner	APR-JUL	78.0	46.0	59				
ELECTRIC LAKE Inflow	APR-JUL	15.1	9.1	60	12.0	79	7.0	46
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	33.0	60	45.0	82	25.0	45
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	29.0	62	45.0	96	15.0	32
FERRON CREEK near Ferron	APR-JUL	41.0	25.0	61	35.0	85	15.0	37
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.4	83	7.0	108	4.0	62
MUDDY CREEK near Emery	APR-JUL	21.0	12.0	57	17.0	81	7.0	33
NAVAJO RESERVOIR inflow	APR-JUL	764.0	600.0	79	883.0	116	378.0	49
SAN JUAN near Bluff, UT	APR-JUL	1091.0	900.0	82	1336.0	122	562.0	52

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			
HUNTINGTON NORTH	3.9	4.0	4.0	3.8	PRICE RIVER 3 124 86
JOE'S VALLEY	61.6	43.0	45.7	45.6	SAN RAFAEL RIVER 7 92 66
KEN'S LAKE	2.3	1.1	1.5	---	MUDDY RIVER 2 78 52
MILL SITE	16.7	7.0	12.5	4.6	FREMONT RIVER 4 79 78
SCOFIELD	65.8	42.7	55.0	33.3	LASAL MOUNTAINS 2 67 87
					BLUE MOUNTAINS 2 63 67
					WILLOW CREEK - WHITE RIVE 3 107 68
					SOUTHEASTERN UTAH 22 84 72

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

The Sevier River watershed received 59% of the normal additional snow water accumulation during March. Water equivalent in the snowpack now ranges from 53% of average on the South Fork of the Sevier to 82% on the Lower Sevier. The Beaver River has 83% of average snow water. Although reservoir storage remains very good for April first at 161% of average, the predictions for summer streamflow continue to decline in the persistent droughtiness. Forecasts range from a low of 48% on Ephriam Creek to 103% on the Sevier at Kingston.

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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	50.0	96	65.0	125	40.0	77
SEVIER near Circleville	APR-JUL	44.0	45.0	102				
SEVIER near Kingston	APR-JUL	34.0	35.0	103	55.0	162	18.0	53
ANTIMONY CREEK near Antimony	APR-JUL	8.9	8.5	96				
E F SEVIER near Kingston	APR-JUL	24.0	25.0	104	40.0	167	15.0	63
SEVIER blw Piute Dam	APR-JUL	56.0	60.0	107	95.0	170	30.0	54
CLEAR CREEK near Sevier	APR-JUL	22.0	20.0	91				
SIGURD to GUNNISON	APR-JUL	44.0	45.0	102	80.0	182	10.0	23
KINGSTON to VERMILLION DAM	APR-JUN	40.0	35.0	88				
VERMILLION DAM to GUNNISON	MAR-JUN	53.6	54.0	101				
SALINA CREEK at Salina	APR-JUN	18.2	10.0	55				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	6.0	52				
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	12.0	48				
SEVIER nr Gunnison	APR-JUL	99.0	95.0	96				
CHICKEN CREEK near Levan	APR-JUL	3.5	1.8	51	3.0	86	1.0	29
OAK CREEK near Oak City	APR-JUL	1.6	0.9	56	2.0	125	1.0	62
CHALK CREEK near Fillmore	APR-JUL	16.4	11.0	67	15.0	91	7.0	43
BEAVER RIVER near Beaver	APR-JUL	27.0	19.0	70	30.0	111	8.0	30
NORTH CREEK near Beaver (combined)	APR-JUL	14.6	12.0	82	25.0	171	4.0	27
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	6.1	69	0.0		0.0	

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.	AVERAGE
GUNNISON	20.3	20.3	20.3	16.3	U SEVIER (s of Richfield)	11	60	58
MINERSVILLE (RkyFd)	26.0	21.8	23.6	14.3	EAST FORK SEVIER RIVER	4	68	68
OTTER CREEK	52.7	52.7	52.4	35.8	SOUTH FORK SEVIER RIVER	7	56	53
PIUTE	71.8	71.8	70.5	46.2	LOWER SEVIER RIVER	13	103	82
SEVIER BRIDGE	236.0	233.0	232.9	136.2	BEAVER RIVER	3	111	83
PANQUITCH LAKE	22.3	19.8	17.4	---	SEVIER & BEAVER R. BASINS	27	88	74

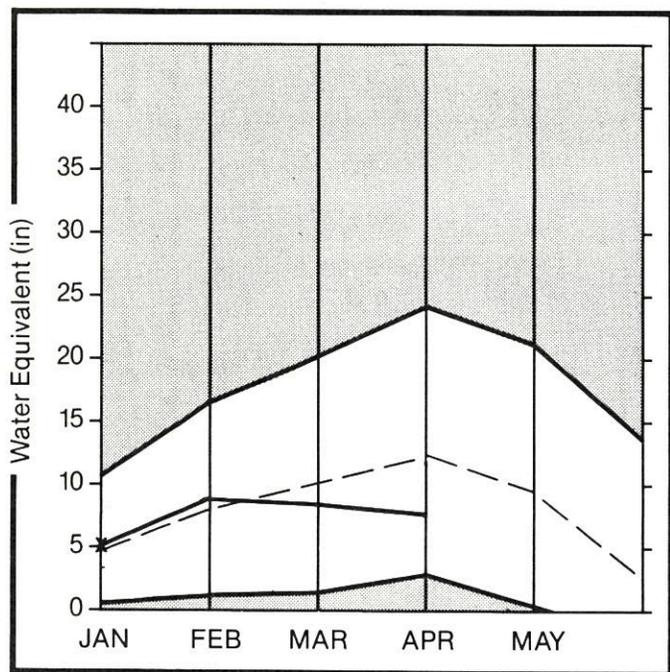
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

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

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Water content continued to decrease during March prolonging the downward trend begun in February. Snowpack in southwestern Utah now ranges from 46% of normal on the Enterprise to New Harmony drainages to 89% on the Escalante River watershed. Streamflows, however, will be sustained near average levels this season due to heavy fall and early winter precipitation. Warm temperatures will likely cause earlier than usual streamflow and weak peaks during the runoff. Enterprise Reservoir storage is poor and others in this part of Utah are near to below normal.

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
LAKE POWELL inflow	APR-JUL	8046.0	6800.0	85	8902.0	111	4940.0	61
VIRGIN near Hurricane	APR-JUN	68.0	75.0	110	100.0	147	55.0	81
SANTA CLARA near Pine Valley	APR-JUN	5.0	5.5	110				
COAL CREEK near Cedar City	APR-JUL	20.0	20.0	100	25.0	125	15.0	75

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			LAST YR.	AVERAGE
GUNLOCK		NO REPORT		VIRGIN RIVER	5	69	56
LAKE POWELL	25002.0	0.0	21830.0	PAROWAN	4	83	83
QUAIL CREEK	40.0	38.0	32.0	ENTERPRISE TO NEW HARMONY	2	33	46
UPPER ENTERPRISE		NO REPORT		COAL CREEK	3	60	53
LOWER ENTERPRISE		NO REPORT		ESCALANTE RIVER	2	57	89
				SOUTHWESTERN UTAH	12	67	62

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ALTA CENTRAL	8800	3/31	74	26.3	28.0	39.4
ASHLEY TWIN LAKES	10500	4/06	37	8.5	13.9	17.4
ATWOOD LAKE	10500	4/06	27	6.5	9.9	12.0
BEAVER CREEK DIVIDE	8280	4/01	20	5.9	6.5	12.2
BEAVER DAMS	8000	3/29	23	8.9	8.4	12.1
BEN LOMOND PEAK	8000	3/26	61	22.5	26.7	39.3
BEN LOMOND TRAIL	6000	3/26	26	10.4	10.0	18.8
BEVAN'S CABIN	6450	4/01	33	9.8	13.8	12.1
BIG FLAT	10290	3/26	51	16.5	15.6	19.2
BIRCH CROSSING	8100	3/29	9	3.0	5.8	6.7
BLACK'S FLAT-U.M. CK	9400	3/27	27	8.8	9.0	11.5
BLACK'S FORK	9200	3/29	-	7.9E	9.8	14.2
BLACK'S FORK GS-EF	9340	4/01	42	9.0	8.0	9.7
BLACK'S FORK JUNCTN	8930	4/01	40	9.9	7.6	9.5
BOX CREEK	9300	3/27	38	11.1	9.8	14.1
BRIAN HEAD	10000	3/26	58	20.1	23.0	21.7
BRIGHTON	8750	3/31	57	17.8	21.5	37.6
BRIGHTON CABIN	8700	3/31	54	16.8	20.5	27.3
BROWN DUCK RIDGE	10600	4/01	51	14.0	17.5	19.7
BRYCE CANYON	8000	3/31	0	0.0	4.7	4.2
BUCK FLAT	9800	3/29	40	11.7	12.1	17.9
BUCK PASTURE	9700	4/06	45	11.7	14.5	16.4
BUCKBOARD FLAT	9000	3/29	24	8.6	15.1	13.1
BUG LAKE	7950	3/25	47	13.6	10.9	20.4
BURT'S-MILLER RANCH	7900	4/01	18	5.1	5.1	6.0
CAMP JACKSON	8600	4/01	-	9.0E	13.0	13.1
CASTLE VALLEY	9580	3/26	30	9.8	14.0	13.5
CHALK CREEK #1	9100	3/29	53	16.9	18.0	23.1
CHALK CREEK #2	8200	3/29	41	12.1	12.3	15.8
CHALK CREEK #3	7500	3/29	21	6.7	6.3	7.8
CHEPETA	10300	4/01	38	9.8	12.9	13.5
CHEPETA-WHITERKS. LK	10350	4/06	40	10.4	14.7	15.2
CITY CREEK	7500	3/29	43	15.4	17.7	28.3
CLEAR CREEK MEADOWS	9420	3/26	54	17.0	17.4	24.1
CLEAR CREEK RIDGE #1	9200	3/29	43	15.3	12.2	19.5
CLEAR CREEK RIDGE #2	8000	3/29	40	12.1	9.7	14.7
CLEAR CREEK RIDGE #3	6600	3/29	13	4.6	3.0	6.1
CURRANT CREEK	8000	3/29	14	4.9	4.5	9.3
DANIELS-STRAWBERRY	8000	3/29	28	9.8	8.0	15.1
DESERET PEAK	9250	4/01	38	11.1	19.0	27.9
DILL'S CAMP	9200	3/29	24	6.1	8.1	12.8
DONKEY RESERVOIR	9800	4/01	-	7.5E	14.0	7.9
DRY BREAD POND	8350	3/25	38	11.4	7.7	19.5
DUCK CREEK R.S.	8700	3/27	-	4.1E	13.3	14.2
EAST SHINGLE LAKE	9800	4/06	60	19.2	18.8	27.0
EAST WILLOW CREEK	8250	4/01	40	10.0	9.6	11.1
FARMINGTON CANYON	8000	3/26	50	15.8	19.6	32.9
FARMINGTON CANYON L.	6950	3/26	42	13.4	16.4	25.2
FARNSWORTH LAKE	9600	3/27	60	18.6	20.3	20.6

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
FISH LAKE	8700	3/27	21	6.7	6.8	8.7
FIVE POINT LAKE	11000	4/06	39	9.4	14.3	16.3
FRANCES FLATS	6700	3/29	23	9.0	13.5	17.0
G.B.R.C. HEADQUARTER	8700	3/29	42	13.2	14.4	18.3
G.B.R.C. MEADOWS	10000	3/29	59	18.4	19.7	25.0
GARDEN CITY SUMMIT	7600	3/25	40	12.5	7.9	18.3
GEORGE CREEK	8840	3/26	49	15.0	16.2	23.2
GOOSEBERRY R.S.	8000	3/27	35	11.6	12.5	12.8
HARDSCRABBLE	6700	3/26	34	11.4	11.4	19.4
HARRIS FLAT	7700	3/27	0	.0	7.8	8.7
HAYDEN FORK	9400	4/01	38	11.5	11.2	16.0
HENRY'S FORK	10000	4/06	46	12.0	13.2	14.0
HEWINTA G.S.	9500	4/01	44	10.8	9.3	9.7
HIDDEN SPRINGS	5500	3/29	0	.0	.6	4.3
HOLE-IN-THE-ROCK	9150	4/01	44	7.9	7.0	6.1
HOLE-IN-THE-ROCK GS	8300	4/07	24	5.3	5.0	2.9
HICKERSON PARK	9100	4/01	46	10.6	8.4	7.1
HOBBLE CREEK SUMMIT	7420	3/29	27	9.8	8.2	14.8
HORSE RIDGE	8260	3/25	42	14.1	10.1	22.3
HUNTINGTON-HORSESHOE	9800	3/29	52	18.4	17.8	26.1
INDIAN CANYON	9100	3/29	34	9.5	11.3	13.5
JOHNSON VALLEY	8850	3/27	15	4.6	5.0	7.5
KILFOIL CREEK	7300	3/25	36	9.7	9.8	14.8
KILLYON CANYON	6300	3/30	8	1.9	5.2	2.8
KIMBERLY MINE (UPPER)	9300	3/26	43	14.9	18.2	17.1
KING'S CABIN (UPPER)	8730	4/01	25	5.3	8.2	11.0
KLONDIKE NARROWS	7400	3/25	44	14.3	10.4	20.7
KOLOB-CRYSTAL	9250	3/27	48	16.8	18.0	23.3
LAKEFORK BASIN	11100	4/06	48	14.4	15.2	21.4
LAKEFORK MOUNTAIN #1	10200	4/01	27	6.8	10.2	11.7
LAKEFORK MOUNTAIN #3	8400	4/01	10	2.8	5.5	6.2
LAMBS CANYON	7400	3/31	37	11.5	15.4	16.8
LASAL MOUNTAIN LOWER	8800	3/30	24	8.4	12.4	10.1
LASAL MOUNTAIN (UPP)	9850	3/30	47	15.4	22.9	17.1
LIGHTNING LAKE	10500	4/06	54	16.7	20.2	23.8
LILY LAKE	9050	4/01	40	11.6	11.5	15.2
LITTLE BEAR (LOWER)	6000	3/26	20	7.3	6.7	10.2
LITTLE BEAR (UPPER)	6550	3/26	19	7.0	7.3	13.2
LITTLE GRASSY CREEK	6100	3/27	0	.0	2.3	2.3
LONG FLAT	8000	3/27	12	4.3	10.6	7.0
LONG VALLEY JCT.	7500	3/27	0	.0	0.8	3.6
LOST CREEK RESERVOIR	6130	3/25	1	.3	1.2	4.0
MAMMOTH-COTTONWOOD	8800	3/29	46	17.0	12.2	22.6
MERCHANT VALLEY (UP)	8750	3/26	33	9.8	8.1	11.7
MIDDLE BEAVER CREEK	8650	4/07	23	5.0	6.4	5.2
MIDDLE CANYON	7000	4/01	36	12.0	17.0	15.0
MIDWAY VALLEY	9800	3/27	55	16.5	20.3	23.6
MILL CREEK	6950	4/04	42	13.2	17.1	22.0
MILL D SOUTH FORK	7400	4/04	37	12.6	16.2	20.3

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
MONTE CRISTO R.S.	8960	3/25	51	16.3	13.9	25.8
MOSBY MOUNTAIN (LOW)	9500	4/01	22	5.4	8.6	10.3
MT. BALDY R.S.	9500	3/29	59	19.5	18.4	25.0
MUD CREEK #2	8600	3/29	36	11.1	10.5	13.9
OAK CREEK	7760	3/26	37	10.6	9.8	12.5
ONE MILE SUMMIT	7330	3/26	11	3.8	3.2	7.7
OTTER LAKE	9600	3/26	35	11.5	10.4	14.9
PANQUITCH LAKE	8200	3/26	0	.0	6.4	4.5
PARADISE PARK	10100	4/01	33	9.6	12.6	14.1
PARLEY'S CANYON SUM.	7500	3/31	46	13.8	15.6	19.2
PAYSON R.S.	8050	3/26	42	15.0	16.6	19.7
PICKLE KEG SPRING	9600	3/27	37	12.6	13.0	17.2
PINE CANYON	8000	3/25	37	10.4	11.0	20.0
PINE CREEK	8800	3/26	43	17.9	17.0	17.2
REDDEN MINE LOWER	8500	3/29	39	11.9	11.1	18.8
RED PINE RIDGE	9200	3/29	40	13.0	12.5	18.0
REES'S FLAT	7300	3/26	32	10.4	8.9	13.8
REYNOLDS PARK	10400	4/06	49	12.7	15.4	17.7
ROCK CREEK	7900	4/01	5	1.5	5.3	6.8
ROCKY BASIN-SETTLEMT	8900	4/01	67	19.9	27.0	29.1
SEELEY CREEK R.S.	10000	3/29	42	12.9	14.7	18.2
SERGEANT LAKES	8300	4/06	26	7.8	9.1	18.8
SHINGLE MILL	6200	3/31	39	10.6	9.6	9.5
SILVER LAKE (BRIGHT.)	8730	4/04	48	16.4	19.3	26.3
SMITH & MOREHOUSE	7600	3/29	29	8.9	9.5	13.6
SNOWBIRD GAD VALLEY	9700	3/28	74	23.8	33.0	34.9
SOAPSTONE R.S.	7800	4/01	-	6.7E	7.2	12.1
SPIRIT LAKE	10300	4/01	52	11.6	16.8	13.5
SQUAW SPRINGS	9300	3/27	15	4.3	5.8	7.6
STEEL CREEK PARK	10100	4/01	61	16.5	16.3	16.4
STILLWATER CAMP	8550	4/01	33	8.7	7.7	11.0
STRAWBERRY DIVIDE	8400	3/31	40	14.0	11.6	19.9
STUART R.S.	7950	3/29	8	2.4	5.9	8.2
SUSC RANCH	8200	3/29	0	0.0	7.9	7.9
TALL POLES	8800	3/29	38	12.2	12.4	15.5
THAYNES CANYON	9200	3/29	51	14.8	18.5	-
THISTLE FLAT	8500	3/29	41	13.6	13.9	17.8
TIMPANOGOS DIVIDE	8140	3/29	34	10.2	13.0	25.5
TONY GROVE LAKE	8400	3/25	76	26.0	17.0	37.1
TONY GROVE R.S.	6250	3/25	27	9.2	5.8	12.1
TRIAL LAKE	9960	4/01	52	16.2	14.2	24.7
TROUT CREEK	9400	4/01	33	7.9	9.9	11.2
UPPER JOES VALLEY	8900	3/29	27	8.1	6.7	10.9
VERNON CREEK	7500	4/01	-	9.5E	5.9	10.7
VIPONT	7670	3/26	33	10.2	9.8	16.5
WEBSTER FLAT	9200	3/27	31	10.3	16.6	18.8
WHITE RIVER #1	8550	3/29	36	10.8	9.1	14.0
WHITE RIVER #3	7400	3/29	22	8.2	4.7	7.3
WIDTSOE-ESCALANTE #3	9500	3/27	40	10.4	17.4	12.3
WRIGLEY CREEK	9000	3/29	27	7.1	9.9	11.9
YANKEE RESERVOIR	8700	3/26	31	9.7	13.2	10.4



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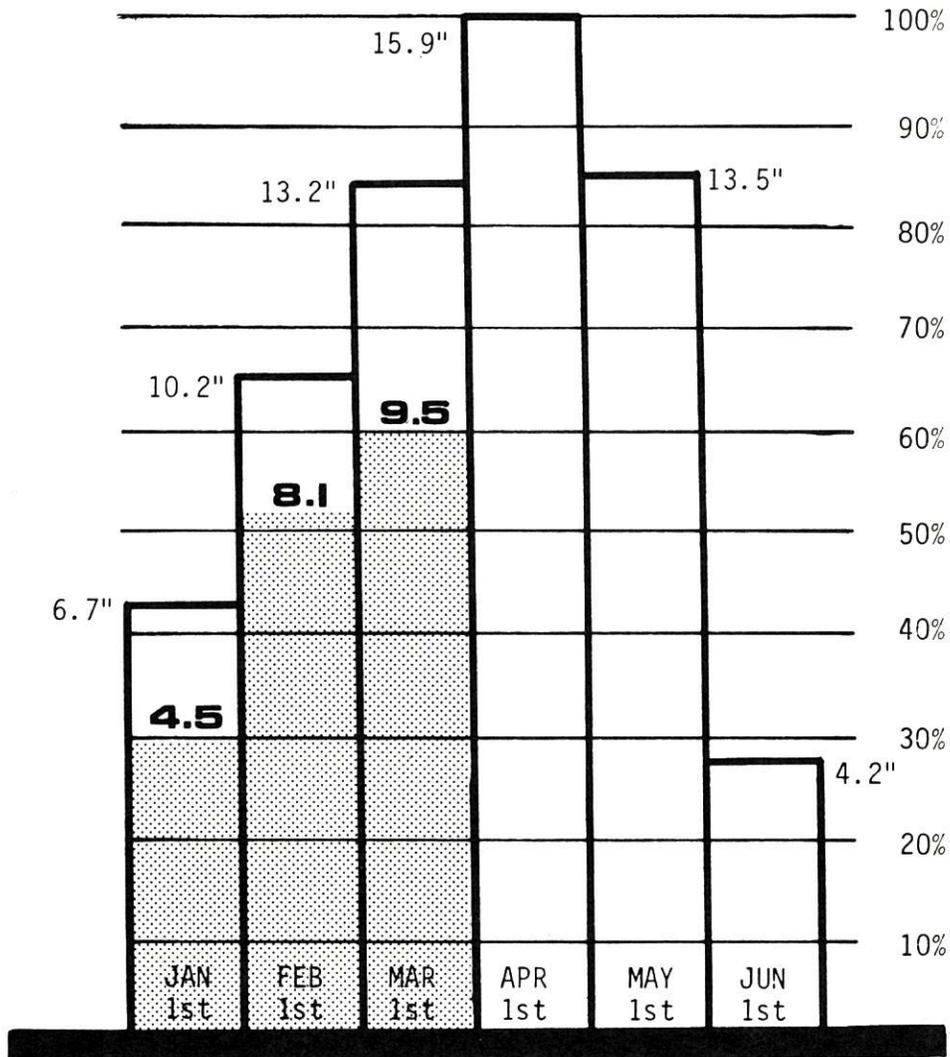
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Salt Lake City,
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Utah Snowpack Progress

1988



Statewide

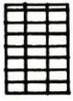
NOTE :

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.

1988 SNOWPACK COMPARISON

April 1, 1988

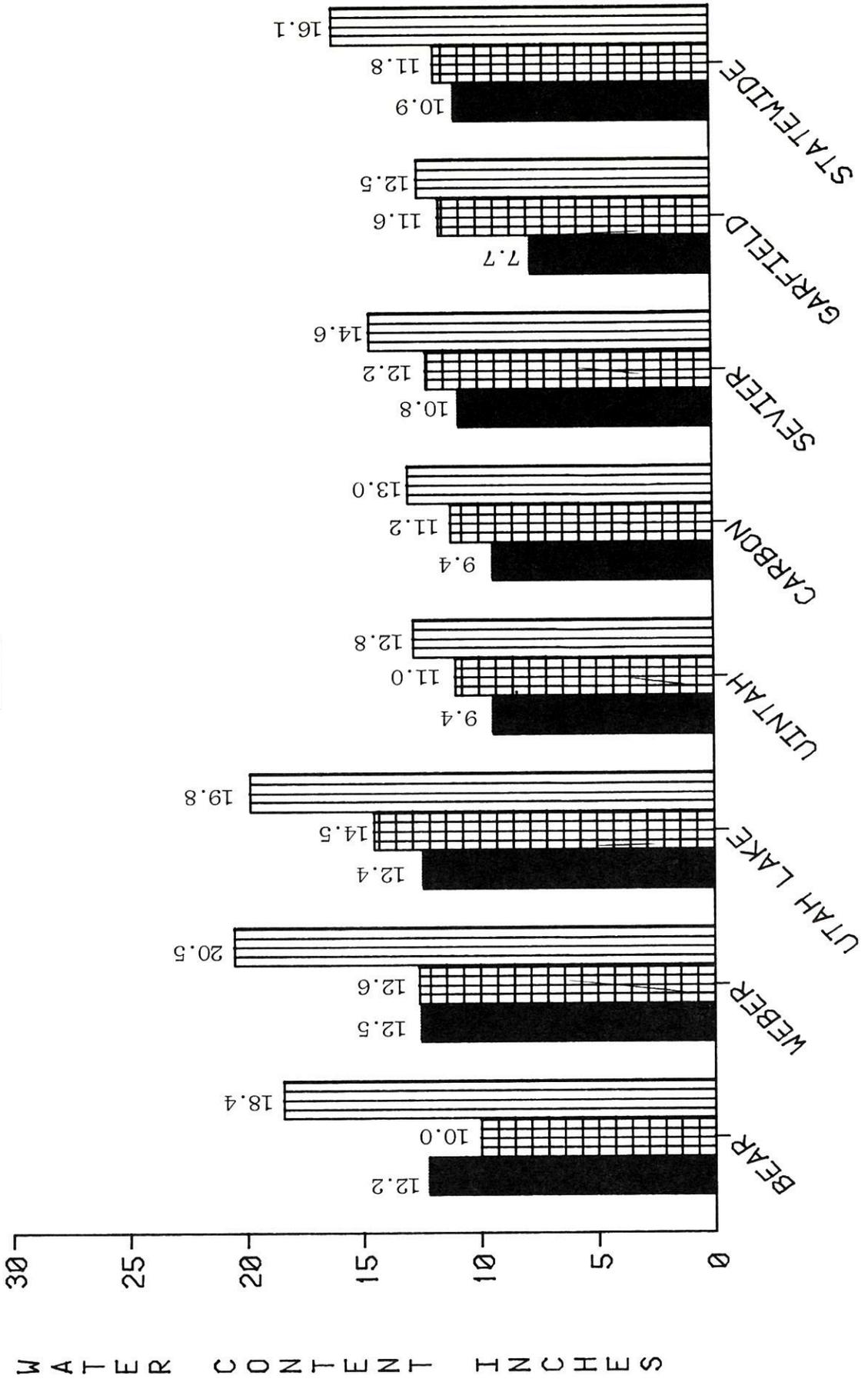


04/01/87



04/01/88

04/01 AVERAGE





United States
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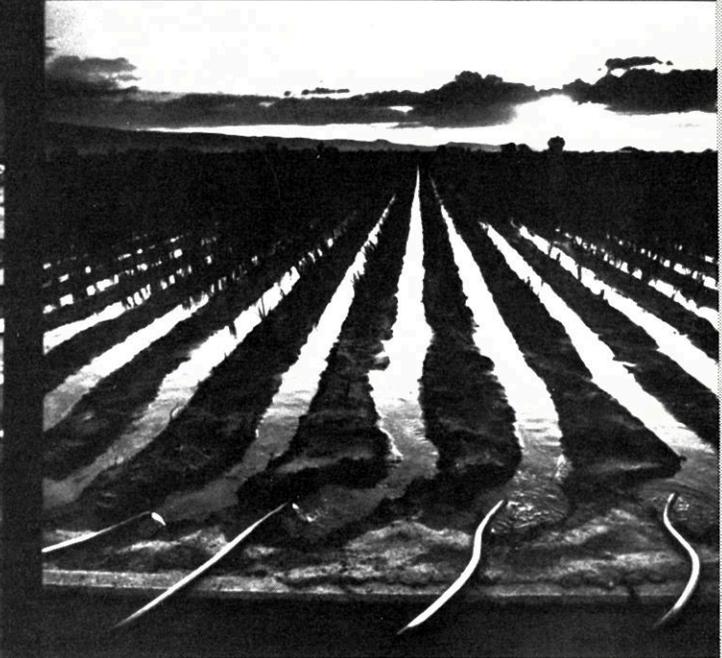
Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

May 1, 1988



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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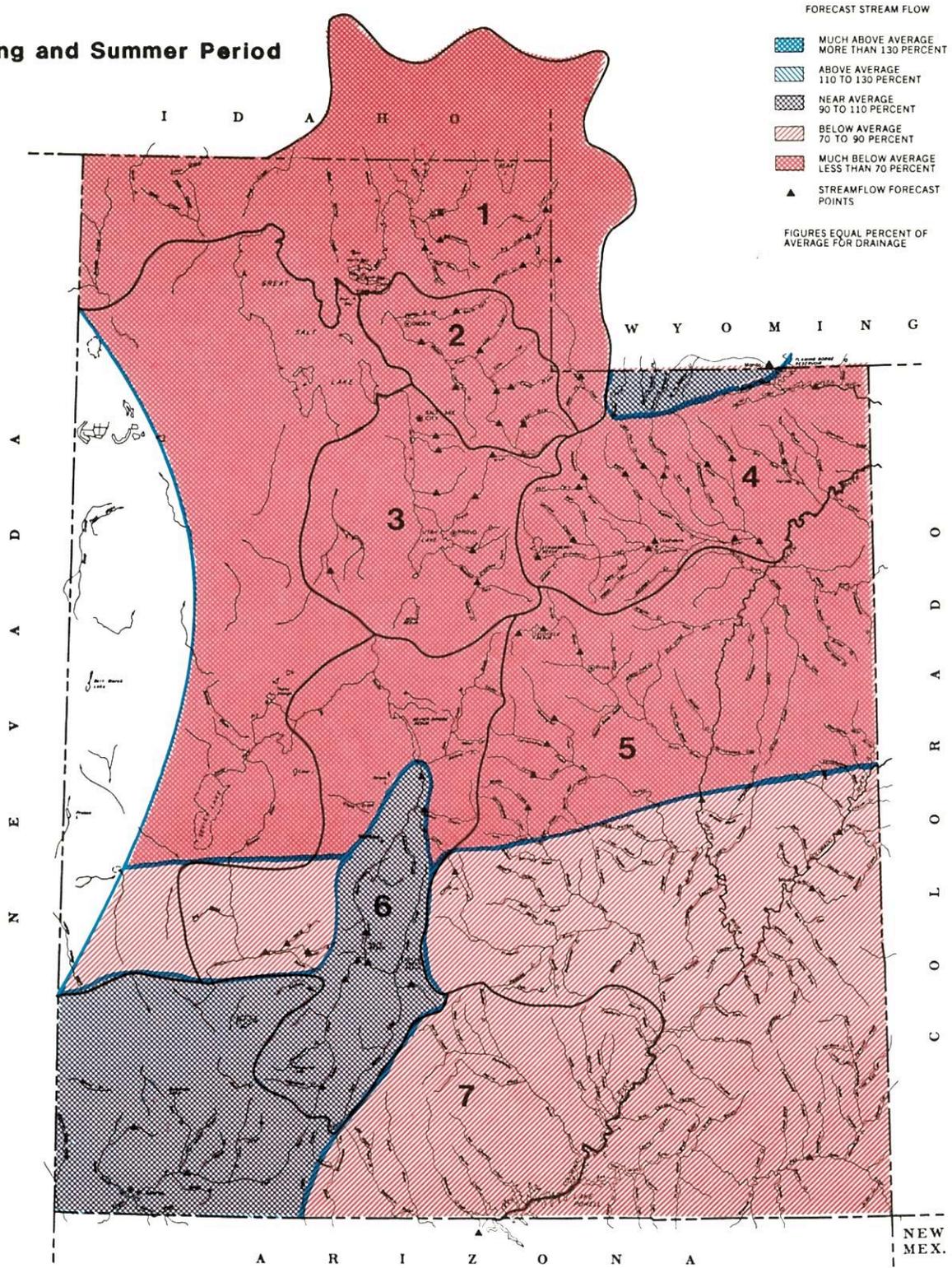
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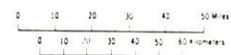
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
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- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON & IRON CO.



GENERAL OUTLOOK

SUMMARY

Another month of below average precipitation, coupled with an earlier than normal melt, have resulted in further reductions in streamflow forecasts in northern Utah. The timing of the precipitation in April enabled reservoir operations to delay releases and continue to fill for a few more weeks, however, thereby increasing much needed reserves for later this summer. The southern part of the State received ample precipitation during April and streamflow forecasts remain near average.

SNOWPACK

Changes in snow water content on the watersheds of Utah during April varied significantly from region to region. Northern Utah watersheds began to lose snow water to melt from two to three weeks earlier than usual and lost from two to more than three and one-half times as much water to melt during the month as usual. The Sevier River watershed, in contrast, began melt at the normal time and lost slightly less water to melt than normal and southwestern Utah actually recorded a net increase in water content for the month. May 1 snow water equivalent ranges from 34% of average on the Utah Lake, Jordan River and Tooele Valley watersheds to 88% in southwestern Utah.

PRECIPITATION

April precipitation at mountain stations in northern Utah was generally in the 80 to 90% of average range. Precipitation at northern Utah Valley stations, although erratic, generally ranged from 70 to 100% of average. Seasonal precipitation (October through April) at northern Utah mountain stations is generally 70 to 80% of normal and near 70% at valley sites. Precipitation during April at southern Utah mountain stations ranged from 90 to 180%. Many southern valley stations received more than two times normal April precipitation and, overall, averaged 177%. Seasonal precipitation at southern mountain sites ranges from 90 to 110% of average. Valley stations range from 70 to 130% seasonally.

RESERVOIRS

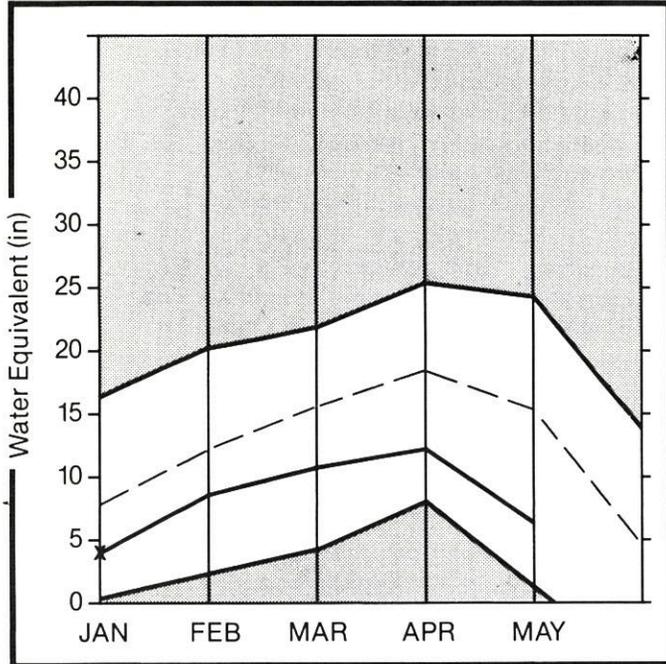
Reserves of water stored in 26 key irrigation reservoirs in Utah are 13% greater than normal for the end of April. This volume represents 86% of capacity. Last year these reservoirs held 88% of capacity in storage at the end of April. Normally the same reservoirs would only be storing 76% of capacity at this time of year. Sixteen of the 26 reservoirs in our sample have more than 90% of their useable capacity in storage. Pineview and the Enterprise Reservoirs will probably not fill this year and shortages will likely materialize. With continued spring precipitation releases could be delayed allowing East Canyon and Porcupine to fill.

STREAMFLOW

Forecasts of spring and summer streamflow on the Bear, Weber, and Provo-Utah Lake-Jordan have been reduced again this month as a result of continued below average monthly precipitation. Forecasts in these basins now range from 20 to 60% of average. Forecast flows on the north slope of the Uintas east of the Bear remain near average. South slope tributaries to the Duchesne have been reduced, however, and now range from 35 to 75% of average. Further south the situation improves with southeastern Utah forecasts in the 55 to 85% range. Forecasts on the Upper Sevier have improved slightly from last month and are near normal as are forecasts on the Virgin.

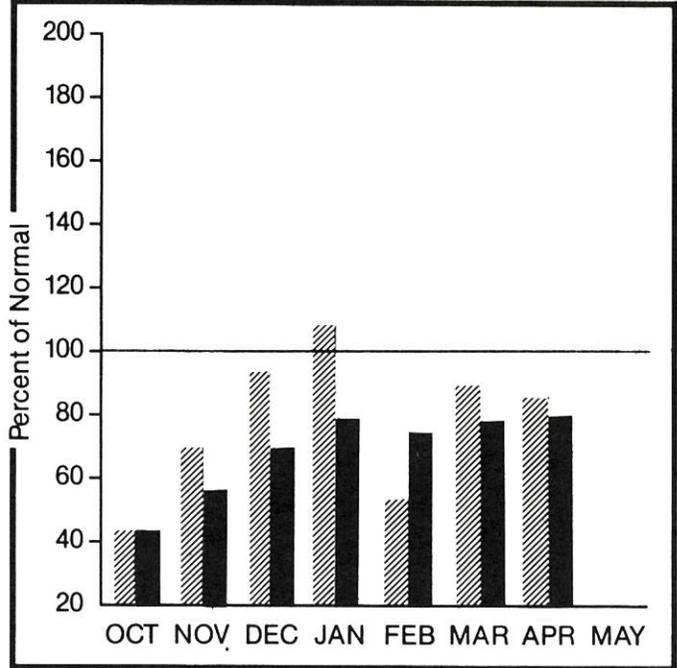
Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Precipitation* (percent of normal)



*Based on selected stations

Maximum Average
 Minimum Current

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed began to melt almost two weeks earlier than usual this year and lost more than twice as much water content to melt during April than is normal. May first snow water content is 44% of average. Mountain precipitation was 86% of average for April which brings total water year accumulation to 78% of average. Streamflow forecasts have declined from last month and now range from 30 to 60% of average. Reservoir storage is slightly less than last year at 103% 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

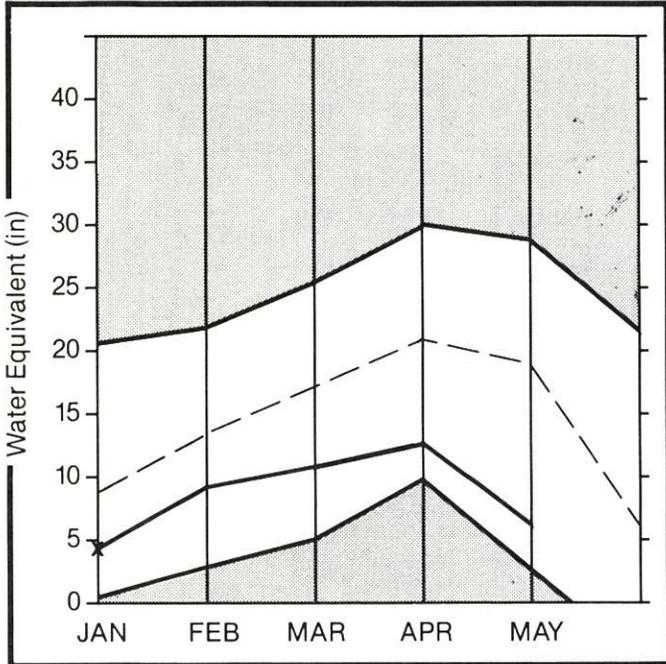
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	MAY-JUL	106.0	65.0	62	90.0	86	40.0	38
BEAR near Woodruff	MAY-JUL	126.0	63.0	50	123.0	98	21.0	17
WOODRUFF CREEK near Woodruff	MAY-JUL	15.1	4.7	31	8.0	53	2.0	13
BIG CREEK near Randolph	APR-JUL	5.3	1.5	28	4.0	75	1.0	19
BEAR RIVER near Randolph	MAY-JUL	95.0	29.0	31	73.0	77	15.0	16
SMITHS FORK near Border	APR-SEP	123.0	68.0	55	125.0	102	20.0	16
THOMAS FORK near Stateline	APR-SEP	37.0	16.0	43	33.0	89	5.0	14
BEAR RIVER near Harer	APR-SEP	310.0	138.0	45	256.0	83	60.0	19
CLUB RIVER near Preston	APR-JUL	46.8	23.5	50	40.0	86	10.0	20
LITTLE BEAR RIVER near Paradise	MAY-JUN	29.0	9.3	32	20.0	69	6.0	21
LOGAN RIVER near Logan	MAY-JUL	107.0	51.0	48	70.0	65	32.0	30
BLACKSMITH FORK near Hyrum	MAY-JUL	38.0	11.9	31	22.0	58	6.0	16

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.			
BEAR LAKE	1421.0	1096.0	1118.9	1089.0	BEAR RIVER, UPPER IN UTAH	6	100 42
HYRUM	15.3	15.3	15.4	13.2	BEAR RIVER, LOWER IN UTAH	10	181 43
PORCUPINE	11.3	7.2	11.3	9.5	BEAR R. DRAINAGE IN UTAH	15	140 43
WOODRUFF NARROWS	55.8	55.4	57.8	---	BEAR RIVER, UPPER	12	134 48
WOODRUFF CREEK	3.5	3.5	---	---	BEAR RIVER, LOWER	13	210 39
					BEAR RIVER DRAINAGE	23	164 44
					LOGAN RIVER	5	202 48
					RAFT RIVER	0	0 0
					BEAR RIVER BASIN	25	157 44

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

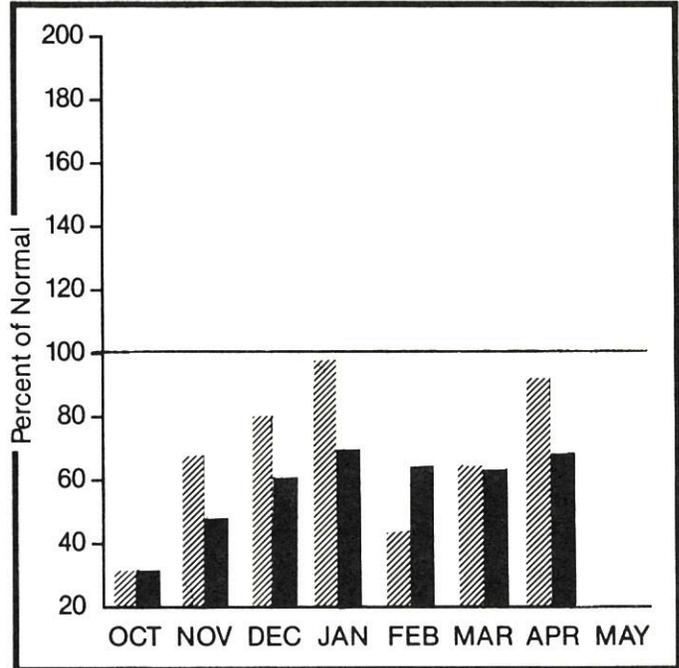
Mountain snowpack* (inches)



*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 equivalent on the Weber River watershed is only 35% of normal. Peak accumulation was reached more than two weeks earlier than usual and melt during April was more than twice normal. Mountain precipitation during April continued the unbroken string of below average months of precipitation this water year with 92% of average. Water year total precipitation is 68% of normal. Streamflow forecasts now range from 20 to 51% of average. Reservoirs are holding 80% of capacity but Pineview is only 52%.

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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SMITH AND MOOREHOUSE CREEK near Oakl	MAY-JUN	27.7	13.5	49	18.0	65	9.0	32
WEBER RIVER near Oakley	MAY-JUN	93.0	40.0	43	55.0	59	25.0	27
ROCKPORT RESERVOIR inflow	MAY-JUN	102.0	26.0	25	50.0	49	14.0	14
CHALK CREEK near Coalville	MAY-JUN	34.0	6.8	20	17.0	50	4.0	12
WEBER RIVER near Coalville	MAY-JUN	105.0	25.0	24	49.0	47	15.0	14
ECHO RESERVOIR inflow	MAY-JUN	128.0	27.0	21	56.0	44	14.0	11
LOST CREEK near Croyden	MAY-JUN	11.2	3.1	28	6.0	54	2.0	18
EAST CANYON CREEK near Morgan	MAY-JUN	19.0	4.5	24	12.0	63	2.0	11
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	9.3	51	16.0	87	5.0	27
WEBER RIVER at Gateway	APR-JUN	328.0	84.0	26	146.0	45	44.0	13
SOUTH FORK OGDEN RIVER near Huntsvil	MAY-JUN	43.0	9.0	21	21.0	49	5.0	12
PINEVIEW RESERVOIR inflow	MAY-JUN	74.0	21.0	28	36.0	49	12.0	16
WHEELER CREEK near Huntsville	APR-JUN	6.3	2.3	37	4.0	64	1.0	16
FARMINGTON CREEK near Farmington	MAY-JUL	6.7	2.0	30	5.0	75	1.0	15

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE				
		THIS YEAR	LAST YEAR	AVG.				
CAUSEY	7.1	6.8	7.1	2.6	OGDEN RIVER	4	118	37
EAST CANYON	48.1	40.1	44.1	41.5	WEBER RIVER	16	99	34
ECHO	73.9	69.5	70.7	54.2	WEBER & OGDEN WATERSHEDS	20	104	35
LOST CREEK	20.0	19.4	19.0	14.3				
PINEVIEW	110.1	57.8	67.7	76.6				
ROCKPORT	60.9	41.8	45.1	36.8				
WILLARD BAY	165.5	182.5	165.1	139.7				

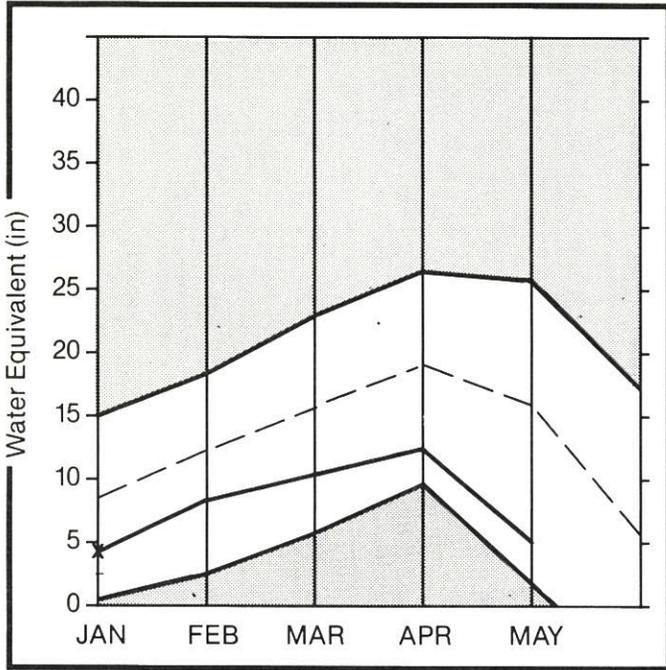
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

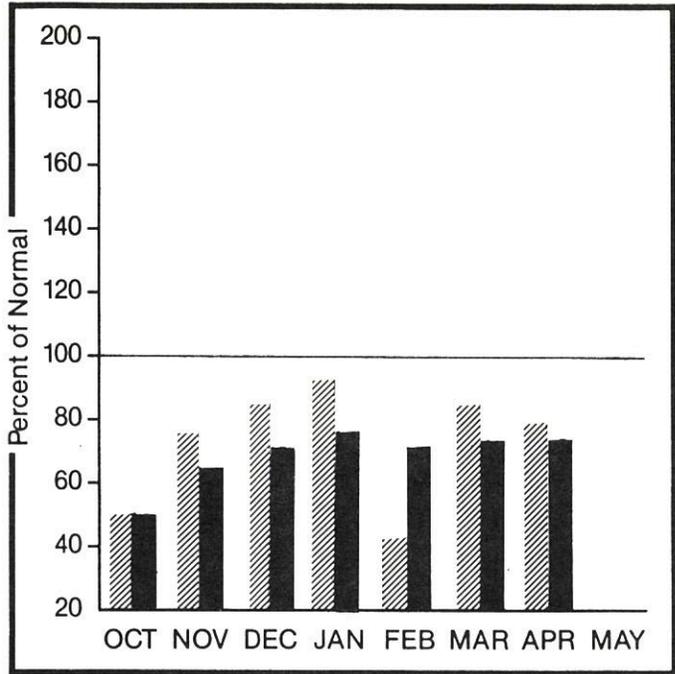
Mountain snowpack* (inches)



*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:

Loss of snow water to melt on Jordan River and Tooele Valley tributaries began approximately two weeks earlier than usual this year and progressed at more than twice the normal rate resulting in May first water content of only 34% of average. Precipitation at mountain stations was only 78% of average in April. Seasonal precipitation is 74% of average. Forecasts of spring and summer streamflow now range from 38 to 55% of average. Area reservoirs have 97% of their cumulative capacity currently in storage.

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	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SALT CREEK near Nephi	MAY-JUL	10.8	4.1	38	10.0	93	2.0	19
PAYSON CREEK near Payson	MAY-JUL	5.8	2.5	43				
HOBBLE CREEK near Springville	MAY-JUL	16.8	7.0	42				
PROVO near Hailstone	MAY-JUL	100.0	50.0	50	70.0	70	35.0	35
PROVO below Deer Creek Dam	MAY-JUL	108.0	50.0	46	75.0	69	25.0	23
AMERICAN FORK near American Fk.	MAY-JUL	30.0	14.0	47	18.0	60	11.0	37
UTAH LAKE inflow	MAY-JUL	211.0	110.0	52	175.0	83	45.0	21
LITTLE COTTONWOOD CRK near SLC	MAY-JUL	38.0	18.0	47	21.0	55	16.0	42
BIG COTTONWOOD CRK near SLC	MAY-JUL	35.0	18.0	51	21.0	60	14.0	40
PARLEY'S CREEK near SLC	MAY-JUL	13.0	5.2	40	9.0	69	2.0	15
MILL CREEK near SLC	MAY-JUL	5.9	3.0	51	4.0	68	2.0	34
EMIGRATION CREEK near SLC	MAY-JUL	3.2	1.1	38				
CITY CREEK near SLC	MAY-JUL	7.8	3.0	38	4.0	51	2.0	26
VERNON CREEK near Vernon	MAY-JUN	0.8	0.4	55	0.8	101	0.2	25
SETTLEMENT CREEK near Tooele	MAY-JUL	2.1	0.9	43	2.0	95	0.5	24
SOUTH WILLOW CREEK near Grantsville	MAY-JUL	2.7	1.1	41	2.0	74	0.6	22

RESERVOIR STORAGE

(1000AF)

WATERSHED SNOWPACK ANALYSIS

RESERVOIR	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	137.8	146.1	106.9	PROVO RIVER & UTAH LAKE	10	109	31
GRANTSVILLE	3.3	3.1	3.2	---	PROVO RIVER	5	91	23
SETTLEMENT CREEK	1.0	1.0	0.8	0.7	JORDAN RIVER & GREAT SALT	12	156	36
STRAWBERRY-ENLARGED	951.4	492.6	551.8	---	TOOELE & VERNON W.S.'S	4	108	30
UTAH LAKE	855.5	833.9	849.0	766.8	UTAH L.-JORDAN R.-TOOELE	26	132	34
VERNON CREEK	0.6	0.6	0.6	0.6				

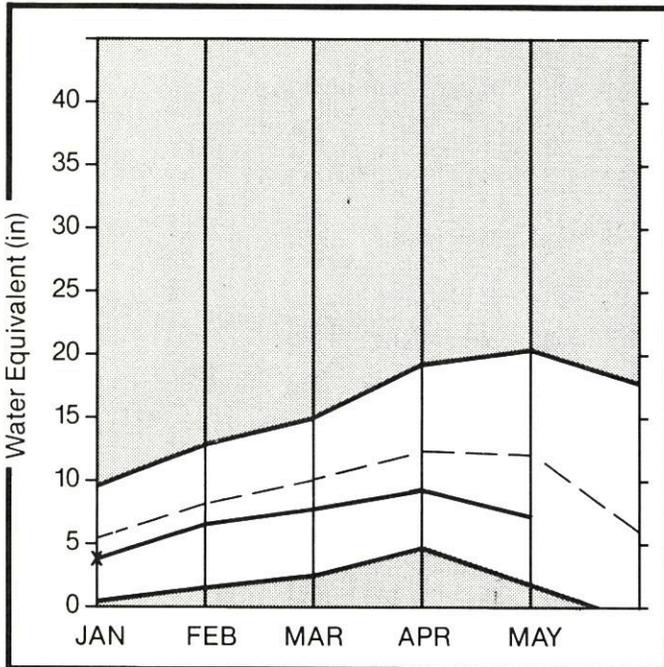
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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

The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

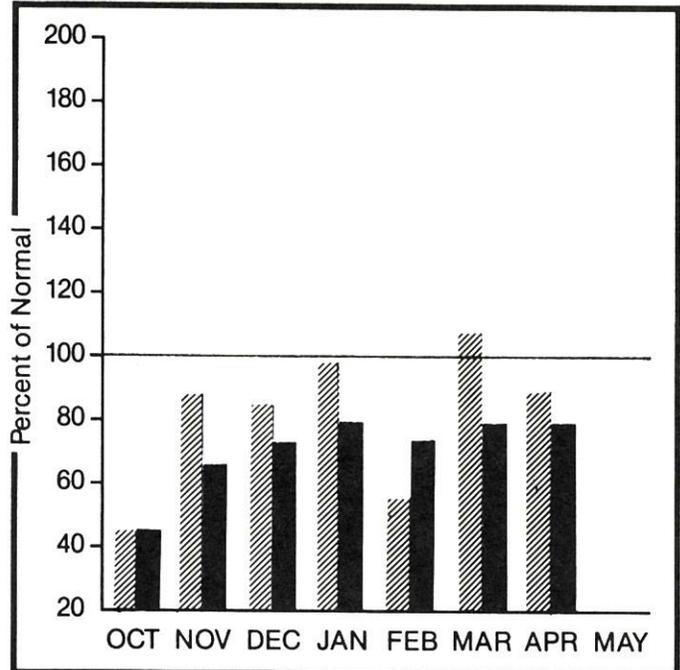
Mountain snowpack* (inches)



*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:

Snowmelt commenced from one to three weeks earlier than usual on Uinta Mountain watersheds that drain into the Colorado River basin. During April more than three and one-half times normal amounts of snow water were lost to melt. May first snowpack ranges from 18 to 81% of average. Mountain precipitation was 89% of the April average bringing seasonal totals to 78%. Forecasts range for 34 to 102% of average streamflow. Reservoir storage is currently 142% of average and 94% 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

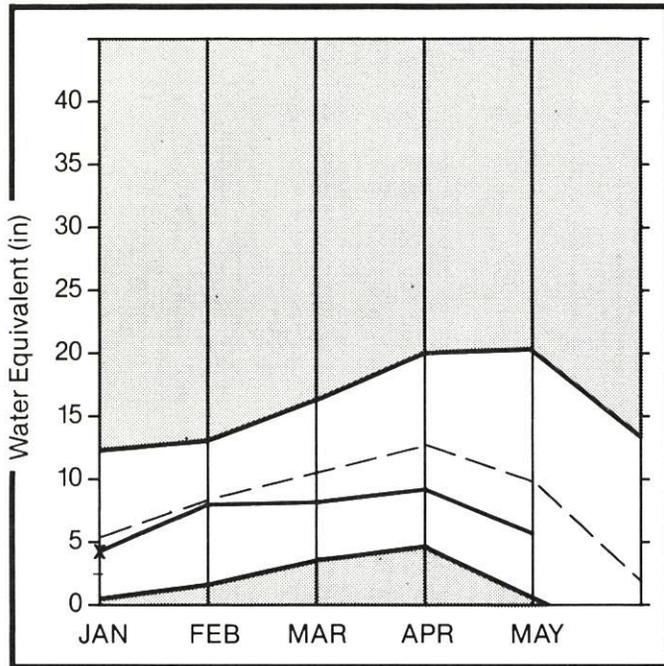
FORECAST POINT	FORECAST PERIOD	25 YR.	MOST	MOST	REAS.	REAS.	REAS.	REAS.
		AVG. (1000AF)	PROBABLE (1000AF)	PROBABLE (% AVG.)	MAX. (1000AF)	MAX. (% AVG.)	MIN. (1000AF)	MIN. (% AVG.)
BLACK'S FORK near Millburne	APR-JUL	90.0	81.0	90	105.0	117	60.0	67
HENRY'S FORK near Manila	APR-SEP	51.0	52.0	102	65.0	127	40.0	78
FLAMING GORGE RESERVOIR inflow	APR-JUL	1267.0	880.0	67	1080.0	85	645.0	51
	MAY-JUL	1096.0	725.0	66	920.0	84	550.0	50
ASHLEY CREEK near Vernal	MAY-JUL	50.0	30.0	60	40.0	80	20.0	40
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	15.5	55	20.0	71	11.0	39
DUCHESNE RIVER near Tabiona	MAY-JUL	96.0	46.0	48	58.0	60	34.0	35
ROCK CREEK near Mountain Home	MAY-JUL	90.0	52.0	58	66.0	73	41.0	46
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	105.0	56	130.0	69	80.0	42
	MAY-JUL	175.0	83.0	47	110.0	63	60.0	34
CURRENT CREEK near Fruitland	MAY-JUL	16.6	8.0	48	11.0	66	6.0	36
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	27.0	45	38.0	63	16.0	27
	MAY-JUL	50.0	17.0	34	27.0	54	8.0	16
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	32.0	46	42.0	61	23.0	33
LAKEFORK RIVER near Mountain Home	MAY-JUL	67.0	51.0	76	62.0	93	41.0	61
YELLOWSTONE RIVER near Altonah	MAY-JUL	62.0	44.0	71	61.0	98	27.0	44
DUCHESNE near Myton	MAY-JUL	186.0	82.0	44	130.0	70	26.0	14
UINTAH RIVER near Neola	MAY-JUL	84.0	61.0	73	93.0	111	29.0	35
WHITE ROCKS RIVER near Whiterocks	MAY-JUL	57.0	40.0	70	57.0	100	23.0	40
DUCHESNE near Randlett	APR-JUL	257.0	135.0	53	200.0	78	40.0	16
	MAY-JUL	231.0	105.0	45	220.0	95	55.0	24

RESERVOIR	RESERVOIR STORAGE (1000AF)			WATERSHED	WATERSHED SNOWPACK ANALYSIS		
	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR		NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
FLAMING GORGE	3749.0	3070.3	3136.9	UPPER GREEN RIVER in UTAH	13	93	64
MOON LAKE	35.8	23.6	27.4	ASHLEY CREEK	2	40	18
RED FLEET	26.0	22.5	20.8	BLACK'S FORK RIVER	3	115	81
STEINAKE	33.3	32.1	31.3	SHEEP CREEK	2	69	69
STARVATION	165.3	164.1	163.8	DUCHESNE RIVER	16	77	50
STRAWBERRY-ENLARGED	951.4	492.6	551.8	LAKE FORK-YELLOWSTONE CK.	3	63	50
				STRAWBERRY RIVER	4	213	40
				UINTAH-WHITEROCKS RIVERS	4	67	52
				UINTAH BASIN & DAGGET SCD	29	84	56

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

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

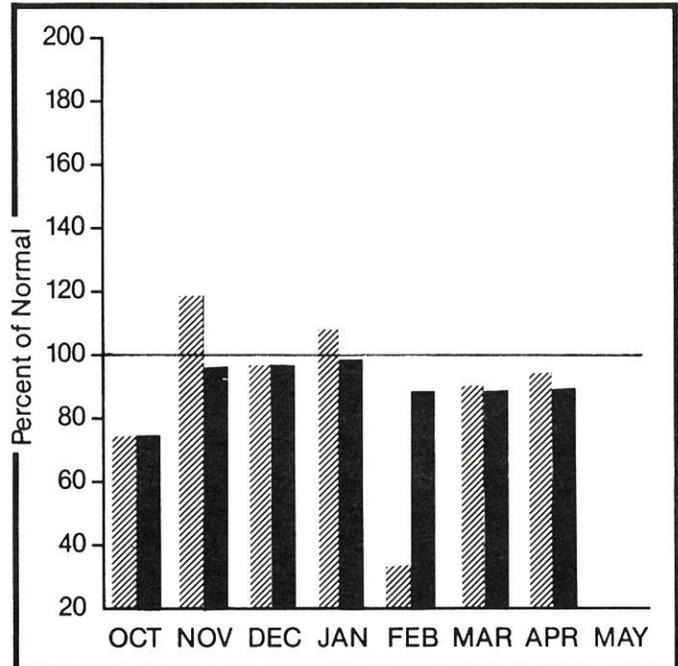
Mountain snowpack* (inches)



*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:

The watersheds of southeastern Utah began to lose snow water to melt about two weeks earlier than usual this year but the amount lost in April was only slightly in excess of normal. May first snow water content is 60% of average. April precipitation at mountain stations was near normal bringing water year accumulation to 89% of average. Forecasts of spring and summer streamflow range from 55 to 85% of normal. Stored water reserves were 13% greater than usual at 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

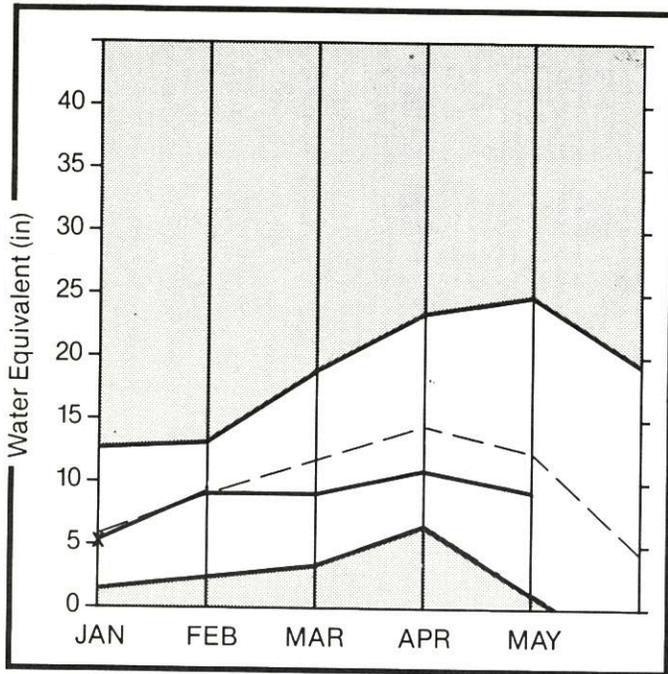
FORECAST POINT	FORECAST PERIOD	25 YR.	MOST	MOST	REAS.	REAS.	REAS.	REAS.
		AVG. (1000AF)	PROBABLE (1000AF)	PROBABLE (% AVG.)	MAX. (1000AF)	MAX. (% AVG.)	MIN. (1000AF)	MIN. (% AVG.)
COLORADO near Cisco, UT	APR-JUL	3443.0	2700.0	78	3525.0	102	1975.0	57
	MAY-JUL	2998.0	2324.0	78	3045.0	102	1695.0	57
MILL CREEK near Moab	MAY-JUL	4.7	4.0	85	5.0	106	3.0	64
GREEN near Green Rv., UT	APR-JUL	3182.0	2450.0	77	3055.0	96	1845.0	58
	MAY-JUL	2899.0	2040.0	78	2535.0	98	1545.0	59
GOOSEBERRY CREEK near Scofield	MAY-JUL	11.1	7.4	67	10.0	90	5.0	45
SCOFIELD RESERVOIR inflow	MAY-JUL	41.5	23.0	55	30.0	72	18.0	43
PRICE near Heiner	MAY-JUL	70.0	43.0	61				
ELECTRIC LAKE Inflow	MAY-JUL	13.9	8.5	61	11.0	79	7.0	50
HUNTINGTON CREEK near Huntington	MAY-JUL	48.9	30.0	61	40.0	82	25.0	51
COTTONWOOD CREEK near Orangeville	MAY-JUL	43.0	26.0	60	40.0	93	15.0	35
FERRON CREEK near Ferron	MAY-JUL	38.0	22.0	58	30.0	79	15.0	39
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.4	83	7.0	108	4.0	62
MUDDY CREEK near Emery	APR-JUL	21.0	12.0	57	16.0	76	8.0	38
NAVAJO RESERVOIR inflow	MAY-JUL	606.0	439.0	72	610.0	101	295.0	49
SAN JUAN near Bluff, UT	MAY-JUL	871.0	695.0	80	965.0	111	475.0	55

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	4.2	4.1	3.9	PRICE RIVER	3	292	56
JOE'S VALLEY	61.6	44.8	48.2	46.8	SAN RAFAEL RIVER	7	126	68
KEN'S LAKE	2.3	1.4	1.0	---	MUDDY RIVER	2	355	63
MILL SITE	16.7	9.4	14.8	6.3	FREMONT RIVER	4	95	50
SCOFIELD	65.8	47.7	57.9	36.6	LASAL MOUNTAINS	2	62	69
					BLUE MOUNTAINS	2	35	24
					WILLOW CREEK - WHITE RIVE	3	136	16
					SOUTHEASTERN UTAH	22	110	60

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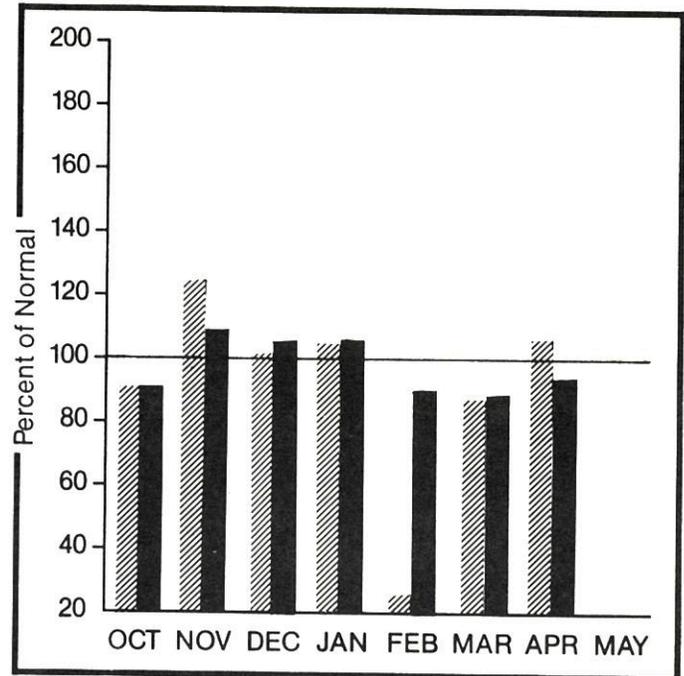
Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Precipitation* (percent of normal)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on Sevier River watershed began to melt at the normal time this April but the amount of water lost to melt was less than average because of low temperatures and above average precipitation the last half of the month. May first snow water content is 73% of normal. April precipitation was 106% of average. Water year total is 92% of normal. Streamflow forecasts range from 43 to 110% of average and generally increase from north to south. Reservoir storage is very good. Storage is 158% of average (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

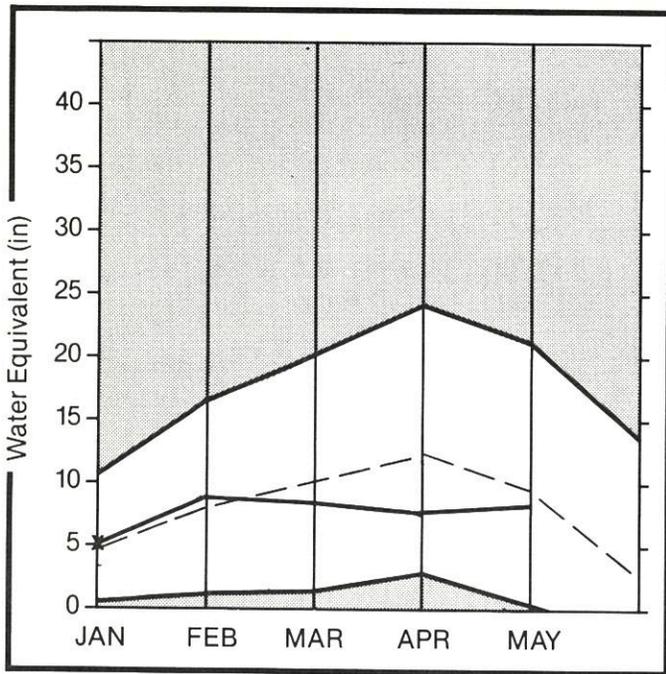
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	MAY-JUL	44.9	46.0	102	60.0	134	35.0	78
SEVIER near Circleville	MAY-JUL	36.2	40.0	110				
SEVIER near Kingston	MAY-JUL	28.7	28.0	109	45.0	175	15.0	58
ANTIMONY CREEK near Antimony	MAY-JUL	6.9	7.2	104				
E F SEVIER near Kingston	MAY-JUL	16.4	18.0	110	28.0	171	11.0	67
SEVIER blw Piute Dam	MAY-JUL	42.0	48.0	114	76.0	181	23.0	55
CLEAR CREEK near Sevier	MAY-JUL	18.5	18.0	97				
SIGURD to GUNNISON	MAY-JUL	36.4	36.0	99	70.0	192	16.0	44
KINGSTON to VERMILLION DAM	MAY-JUN	32.7	30.0	92				
VERMILLION DAM to GUNNISON	MAR-JUN	54.0	54.0	100				
	MAY-JUL	38.0	38.0	100				
SALINA CREEK at Salina	MAY-JUN	16.2	8.0	49				
PLEASANT CREEK near Pleasant	MAY-JUL	11.6	5.0	43				
EPHRAIM CREEK near Ephraim	MAY-JUL	22.0	10.0	45				
SEVIER nr Gunnison	MAY-JUL	79.6	70.0	88				
CHICKEN CREEK near Levan	APR-JUL	3.5	1.9	54	3.0	86	1.0	29
OAK CREEK near Oak City	MAY-JUL	1.1	0.6	60	1.0	91	0.3	27
CHALK CREEK near Fillmore	MAY-JUL	13.2	9.2	70	12.0	91	6.0	45
BEAVER RIVER near Beaver	MAY-JUL	24.0	18.0	75	26.0	108	10.0	42
NORTH CREEK near Beaver (combined)	MAY-JUL	12.7	10.5	83	18.0	142	3.0	24
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	6.3	71	10.0	112	3.0	34

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	14.9	U SEVIER (s of Richfield)	11	127	77
MINERSVILLE (RkyFd)	26.0	22.9	24.4	14.6	EAST FORK SEVIER RIVER	4	118	73
OTTER CREEK	52.7	52.7	52.6	39.5	SOUTH FORK SEVIER RIVER	7	131	78
PIUTE	71.8	71.1	69.5	44.7	LOWER SEVIER RIVER	12	127	68
SEVIER BRIDGE	236.0	227.6	211.1	136.0	BEAVER RIVER	3	145	87
PANQUITCH LAKE	22.3	21.0	20.3	---	SEVIER & BEAVER R. BASINS	26	129	73

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

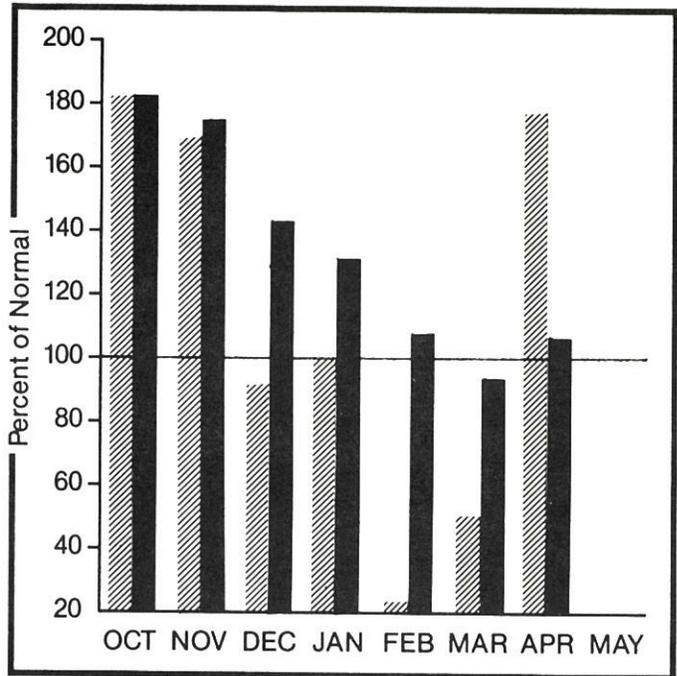
Mountain snowpack* (inches)



*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:

Normally the watersheds in southwestern Utah lose about three inches of snow water content in April. This April an increase of six-tenths of an inch was recorded, reversing the melt trend that began in February and bringing May first snow water to 88% of average. Mountain precipitation was abundant at most stations. April precipitation was 177% of average. Water year precipitation is 107% of average. Local flows are forecast above average. Reservoir storage is near capacity except at Enterprise (30% of cap.).

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR.	MOST	MOST	REAS.	REAS.	REAS.	REAS.
		AVG. (1000AF)	PROBABLE (1000AF)	PROBABLE (% AVG.)	MAX. (1000AF)	MAX. (% AVG.)	MIN. (1000AF)	MIN. (% AVG.)
LAKE POWELL inflow	APR-JUL	9046.0	6300.0	78	8150.0	101	4610.0	57
	MAY-JUL	7039.0	5300.0	75	6920.0	98	3820.0	54
VIRGIN near Hurricane	MAY-JUN	43.8	50.0	114	70.0	160	30.0	68
SANTA CLARA near Pine Valley	MAY-JUN	4.0	4.5	113				
COAL CREEK near Cedar City	MAY-JUL	16.8	18.0	107	25.0	149	15.0	89

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	10.9	7.0	---	VIRGIN RIVER	5	143	97
LAKE POWELL	25002.0	0.0	0.0	---	PAROWAN	4	144	98
QUAIL CREEK	40.0	38.0	32.0	---	ENTERPRISE TO NEW HARMONY	2	0	0
UPPER ENTERPRISE	10.0	2.8	3.0	---	COAL CREEK	3	123	80
LOWER ENTERPRISE	2.6	1.0	0.6	---	ESCALANTE RIVER	2	64	80
					SOUTHWESTERN UTAH	12	143	88

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SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961--85
ALTA CENTRAL	8800	5/04	43	19.5	11.3	40.3
ASHLEY TWIN LAKES	10500	5/03	28	6.2	11.1	18.0
ATWOOD LAKE	10500	5/03	20	5.8	8.6	13.3
BEAVER CREEK DIVIDE	8280	4/27	0	0.0	0.0	6.5
BEAVER DAMS	8000	4/26	0	0.0	0.0	8.0
BEN LOMOND PEAK	8000	4/28	40	16.6	18.4	39.4
BEN LOMOND TRAIL	6000	4/28	0	.0	0.0	9.6
BEVAN'S CABIN	6450	4/29	0	.0	0.0	5.5
BIG FLAT	10290	4/26	61	19.6	14.9	21.6
BIRCH CROSSING	8100	4/25	0	0.0	0.0	2.0
BLACK'S FLAT-U.M. CK	9400	4/26	20	6.3	3.5	9.4
BLACK'S FORK	9200	4/26	-	9.0E	0.0	11.9
BLACK'S FORK GS-EF	9340	4/27	25	7.7	6.8	9.9
BLACK'S FORK JUNCTN	8930	4/27	19	5.4	2.7	8.3
BOX CREEK	9300	4/26	37	11.8	6.2	13.2
BRIAN HEAD	10000	4/25	69	23.8	20.0	22.0
BRIGHTON	8750	5/04	31	12.9	11.8	40.2
BRIGHTON CABIN	8700	5/04	19	8.9	6.7	25.5
BROWN DUCK RIDGE	10600	4/27	45	12.5	19.0	22.4
BRYCE CANYON	8000	4/28	0	0.0	0.0	0.6
BUCK FLAT	9800	4/26	34	11.8	9.6	17.2
BUCK PASTURE	9700	5/03	42	13.0	9.2	17.2
BUCKBOARD FLAT	9000	4/28	9	3.4	8.0	8.3
BUG LAKE	7950	4/28	26	9.9	8.0	19.4
BURT'S-MILLER RANCH	7900	4/27	0	0.0	0.0	2.4
CAMP JACKSON	8600	4/28	1	0.4	3.0	7.5
CASTLE VALLEY	9580	4/25	24	8.0	5.9	8.5
CHALK CREEK #1	9100	4/27	39	13.2	15.2	25.0
CHALK CREEK #2	8200	4/27	20	6.1	6.6	14.4
CHALK CREEK #3	7500	4/27	0	0.0	0.0	3.1
CHEPETA	10300	4/27	16	4.2	10.1	13.9
CHEPETA-WHITERKS. LK	10350	5/03	39	11.7	13.5	15.7
CITY CREEK	7500	5/03	9	4.2	0.0	23.2
CLEAR CREEK MEADOWS	9420				-	20.6
CLEAR CREEK RIDGE #1	9200	4/27	24	9.7	6.1	18.0
CLEAR CREEK RIDGE #2	8000	4/27	15	5.3	2.9	10.8
CLEAR CREEK RIDGE #3	6600	4/27	0	0.0	0.0	0.1
CURRENT CREEK	8000	4/27	0	0.0	0.0	2.8
DANIELS-STRAWBERRY	8000	4/27	1	0.3	0.0	9.9
DESERET PEAK	9250	4/29	27	9.8	-	26.9
DILL'S CAMP	9200	4/26	14	4.5	3.8	9.4
DONKEY RESERVOIR	9800	4/26	12	3.2	8.1	5.5
DRY BREAD POND	8350	4/28	13	5.1	1.0	18.2
DUCK CREEK R.S.	8700	4/25	-	2.1E	0.0	9.2
EAST SHINGLE LAKE	9800	5/03	51	15.8	12.2	28.9
EAST WILLOW CREEK	8250	5/01	-	0.0E	1.0	7.2
FARMINGTON CANYON	8000	4/28	26	11.0	17.1	33.7
FARMINGTON CANYON L.	6950	4/28	16	6.1	10.4	23.7
FARNSWORTH LAKE	9600	4/26	57	21.1	19.9	22.9

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
FISH LAKE	8700	4/26	10	3.2	1.7	5.9
FIVE POINT LAKE	11000	5/03	36	10.8	13.1	18.4
FRANCES FLATS	6700	5/03	0	0.0	0.0	0.7
G.B.R.C. HEADQUARTER	8700	4/26	33	11.9	10.9	17.6
G.B.R.C. MEADOWS	10000	4/26	58	20.0	19.4	27.2
GARDEN CITY SUMMIT	7600	4/28	19	7.5	4.2	17.2
GEORGE CREEK	8840				-	-
GOOSEBERRY R.S.	8000	4/26	17	6.3	5.4	10.0
HARDSCRABBLE	6700	4/28	0	0.0	0.0	11.1
HARRIS FLAT	7700	4/25	3	1.2	0.0	2.9
HAYDEN FORK	9400	4/27	21	8.1	8.5	16.1
HENRY'S FORK	10000	5/03	34	10.9	11.2	13.4
HEWINTA G.S.	9500	4/27	25	8.7	7.1	10.2
HIDDEN SPRINGS	5500	5/03	0	0.0	0.0	0.4
HOLE-IN-THE-ROCK	9150	4/27	13	3.5	4.0	6.0
HOLE-IN-THE-ROCK GS	8300				-	0.0
HICKERSON PARK	9100	4/27	19	6.3	6.0	6.5
HOBBLE CREEK SUMMIT	7420	4/27	0	0.0	0.0	8.3
HORSE RIDGE	8260	4/28	11	4.0	2.9	20.0
HUNTINGTON-HORSESHOE	9800	4/26	55	20.8	16.1	27.4
INDIAN CANYON	9100	4/27	19	6.2	7.2	10.9
JOHNSON VALLEY	8850	4/26	0	0.0	0.0	4.6
KILFOIL CREEK	7300	4/28	5	1.6	5.6	10.7
KILLYON CANYON	6300	5/03	0	0.0	0.0	0.0
KIMBERLY MINE (UPPER)	9300	4/26	36	13.9	13.4	17.2
KING'S CABIN (UPPER)	8730	4/28	3	0.8	4.0	9.8
KLONDIKE NARROWS	7400	4/28	9	3.7	0.0	15.8
KOLOB-CRYSTAL	9250	4/25	58	20.2	11.6	21.6
LAKEFORK BASIN	11100	5/03	45	12.6	15.0	22.4
LAKEFORK MOUNTAIN #1	10200	4/27	19	5.7	10.1	12.1
LAKEFORK MOUNTAIN #3	8400	4/27	0	0.0	0.0	2.0
LAMBS CANYON	7400	4/27	7	2.5	0.0	11.0
LASAL MOUNTAIN LOWER	8800	4/29	1	0.6	4.4	5.3
LASAL MOUNTAIN (UPP)	9850	4/29	33	13.0	17.6	14.4
LIGHTNING LAKE	10500	5/03	48	13.4	21.0	25.8
LILY LAKE	9050	4/27	17	4.6	5.6	14.2
LITTLE BEAR (LOWER)	6000	4/28	0	0.0	0.0	1.9
LITTLE BEAR (UPPER)	6550	4/28	0	0.0	0.0	5.6
LITTLE GRASSY CREEK	6100	4/25	0	0.0	0.0	0.1
LONG FLAT	8000	4/25	0	0.0	0.0	2.0
LONG VALLEY JCT.	7500	4/25	2	0.7	0.0	0.0
LOST CREEK RESERVOIR	6130	4/28	0	0.0	0.0	0.0
MAMMOTH-COTTONWOOD	8800	4/26	32	13.2	6.9	20.9
MERCHANT VALLEY (UP)	8750	4/26	22	6.9	2.7	7.9
MIDDLE BEAVER CREEK	8650				-	4.0
MIDDLE CANYON	7000	4/29	0	0.0	0.0	10.0
MIDWAY VALLEY	9800	4/25	68	23.0	18.4	24.1
MILL CREEK	6950	4/28	26	10.0	8.6	20.6
MILL D SOUTH FORK	7400	4/27	8	2.8	0.0	15.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
MONTE CRISTO R.S.	8960	4/28	32	12.9	9.8	26.5
MOSBY MOUNTAIN (LOW)	9500	4/28	16	4.0	7.5	10.5
MT. BALDY R.S.	9500	4/26	58	20.9	16.6	26.2
MUD CREEK #2	8600	4/26	14	4.8	2.6	8.9
OAK CREEK	7760	4/25	19	6.0	2.8	9.5
ONE MILE SUMMIT	7330				-	0.0
OTTER LAKE	9600	4/26	36	11.9	8.9	14.5
PANQUITCH LAKE	8200	4/25	2	0.5	0.0	1.3
PARADISE PARK	10100	4/28	25	9.0	12.0	15.2
PARLEY'S CANYON SUM.	7500	4/28	11	3.7	1.6	14.2
PAYSON R.S.	8050	4/27	18	7.2	8.2	16.3
PICKLE KEG SPRING	9600	4/26	29	11.9	9.4	15.8
PINE CANYON	8000	4/28	7	1.6	2.6	14.8
PINE CREEK	8800	4/25	32	13.0	8.7	15.5
REDDEN MINE LOWER	8500	4/27	25	9.5	4.2	17.9
RED PINE RIDGE	9200	4/26	30	11.4	7.6	15.9
REES'S FLAT	7300	4/25	8	2.7	0.1	11.0
REYNOLDS PARK	10400	5/03	43	12.9	12.2	18.0
ROCK CREEK	7900	4/27	0	0.0	0.0	1.4
ROCKY BASIN-SETTLEMT	8900	4/29	40	15.2	14.1	30.0
SEELEY CREEK R.S.	10000	4/26	45	15.5	15.3	19.0
SERGEANT LAKES	8300	5/03	19	5.7	0.0	11.7
SHINGLE MILL	6200	4/28	0	0.0	0.0	3.3
SILVER LAKE (BRIGHT.)	8730	4/27	32	14.2	10.6	28.2
SMITH & MOREHOUSE	7600	4/27	3	0.8	0.3	9.2
SNOWBIRD GAD VALLEY	9700				30.2	40.0
SOAPSTONE R.S.	7800	4/27	-	0.0E	0.0	7.2
SPIRIT LAKE	10300	4/27	29	9.2	16.4	15.9
SQUAW SPRINGS	9300	4/26	0	0.0	0.0	4.9
STEEL CREEK PARK	10100	4/27	51	17.0	16.6	19.0
STILLWATER CAMP	8550	4/27	6	1.8	2.1	8.4
STRAWBERRY DIVIDE	8400	4/29	20	8.8	0.0	14.9
STUART R.S.	7950	4/26	0	0.0	0.0	2.3
SUSC RANCH	8200	4/27	0	0.0	0.0	2.7
TALL POLES	8800	4/25	35	11.7	4.9	12.7
THAYNES CANYON	9200				-	-
THISTLE FLAT	8500				-	17.5
TIMPANOGOS DIVIDE	8140	4/27	12	4.5	5.1	23.0
TONY GROVE LAKE	8400	4/28	47	21.3	9.1	35.8
TONY GROVE R.S.	6250	4/28	0	0.0	0.0	3.8
TRIAL LAKE	9960	4/27	41	12.3	13.7	26.6
TROUT CREEK	9400	4/28	12	2.8	5.1	10.1
UPPER JOES VALLEY	8900	4/26	7	1.9	0.1	6.6
VERNON CREEK	7500	4/28	0	0.0	0.0	5.1
VIPONT	7670				-	8.0
WEBSTER FLAT	9200	4/25	35	11.6	9.7	16.3
WHITE RIVER #1	8550	4/27	19	6.6	1.3	10.6
WHITE RIVER #3	7400	4/27	0	0.0	0.0	0.8
WIDTSOE-ESCALANTE #3	9500	4/26	34	9.6	12.0	10.5
WRIGLEY CREEK	9000	4/26	14	4.6	3.5	9.0
YANKEE RESERVOIR	8700	4/25	20	7.5	5.0	7.3



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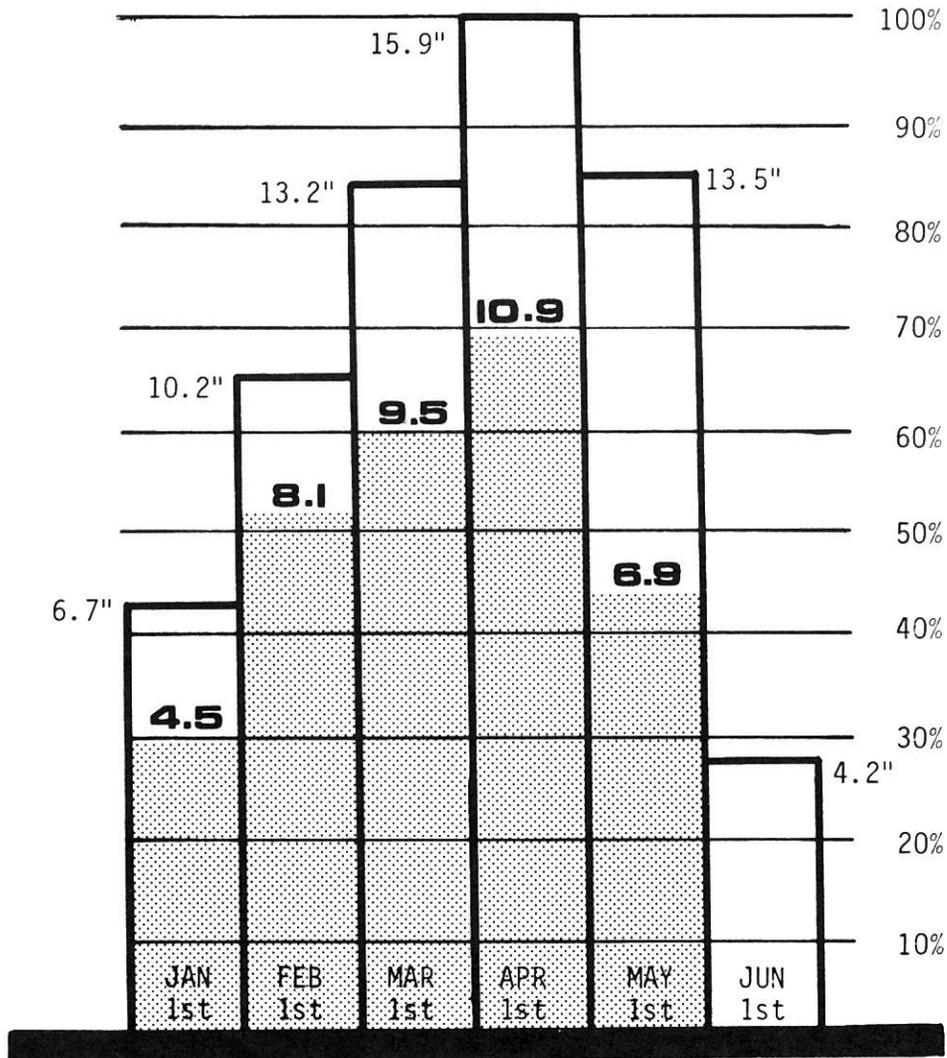
**Soil
Conservation
Service**

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.

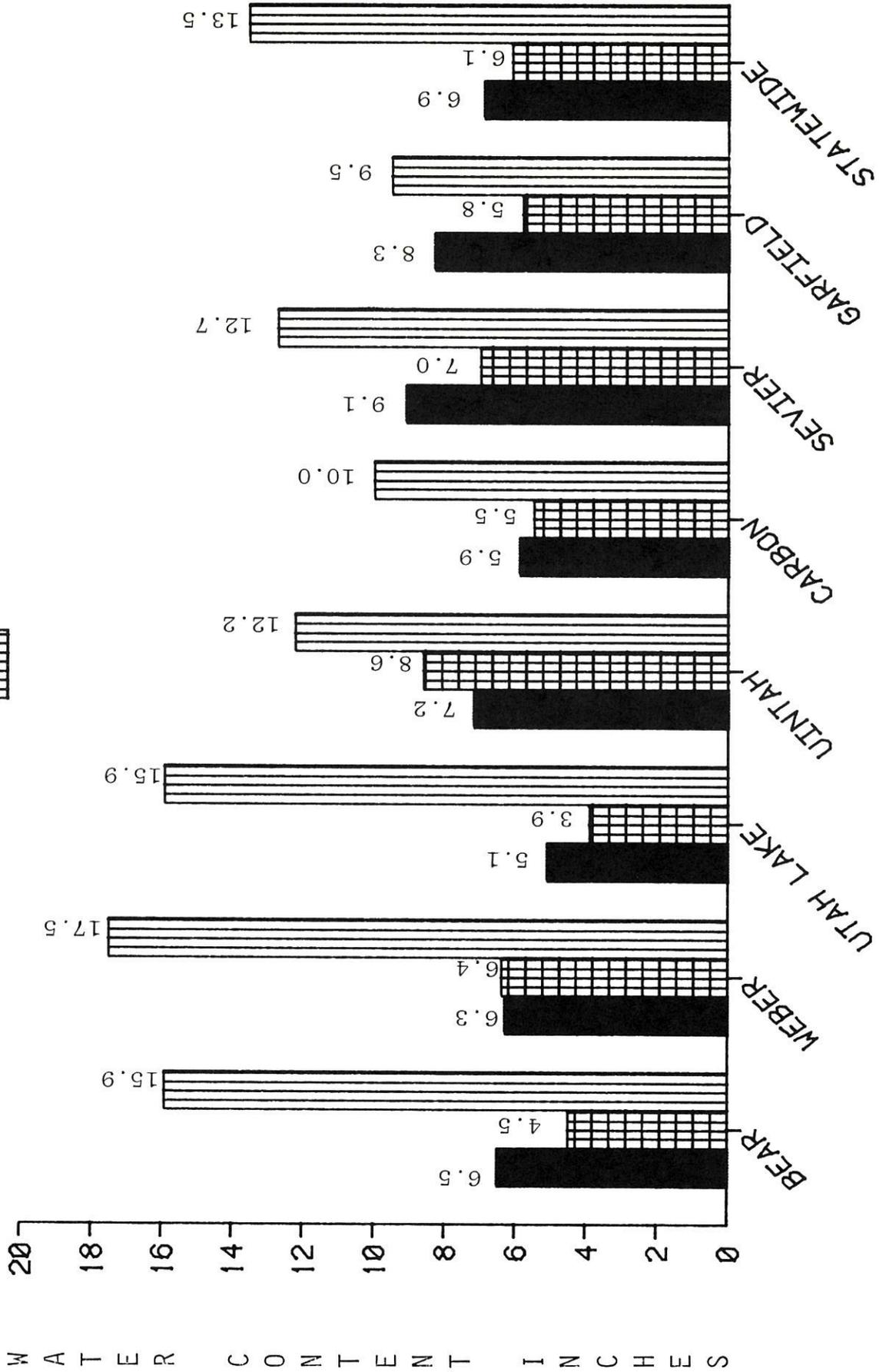
Averages are for the period 1961-1985.

1988 SNOWPACK COMPARISON

May 1, 1988

05/01/87

05/01/88
05/01 AVERAGE





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Conservation
Service



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 burrowed 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.



United States
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Soil
Conservation
Service

Salt Lake City,
Utah



Utah

Water Supply Outlook

June 1, 1988



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
Robert L. Morgan D. Larry Anderson
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Division of Water Rights Division of Water Resources

Prepared by

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Snow Survey Supervisor
Soil Conservation Service
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Salt Lake City, Utah 84147

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

GENERAL OUTLOOK

SUMMARY

Hopes for an average snowpack in northern Utah have faded, confirming the certainty of less than 50% streamflows this season, many of which have already flowed at peak rates. Water supplies in the southern half, however, are expected to be nearer to normal.

SNOWPACK

The snowpack has all but vanished from northern Utah. Only small snowfields above 9,500 to 10,000 feet remain, leaving comparisons to average at 1% for the Bear, 2% for the Weber-Ogden, 2% for the Utah Lake-Provo-Jordan River and eastern Utah. There is more snow to be found, however, in the Uintah Range (18% of average) and the Sevier-Beaver (46% of average) and southwestern Utah with 43% of average. The 1988 trend of poor and sporadic snowfalls peaking early has persisted, leaving the statewide snowpack figure at 14% of average compared to 51% of average one month ago.

PRECIPITATION

May precipitation reported at mountain snotel installations was near normal ranging from 76% of average for the Bear drainage, 94% of average for the Weber-Ogden to 103% of average for the Virgin drainage. The timing of May's precipitation events has been favorable along the Wasatch front to reducing demands on stored water for irrigation and domestic use. The seasonal mountain precipitation (since Oct. 1, 1987) ranges from 71% of average for the Weber-Ogden basin to 107% of average in southern Utah.

RESERVOIRS

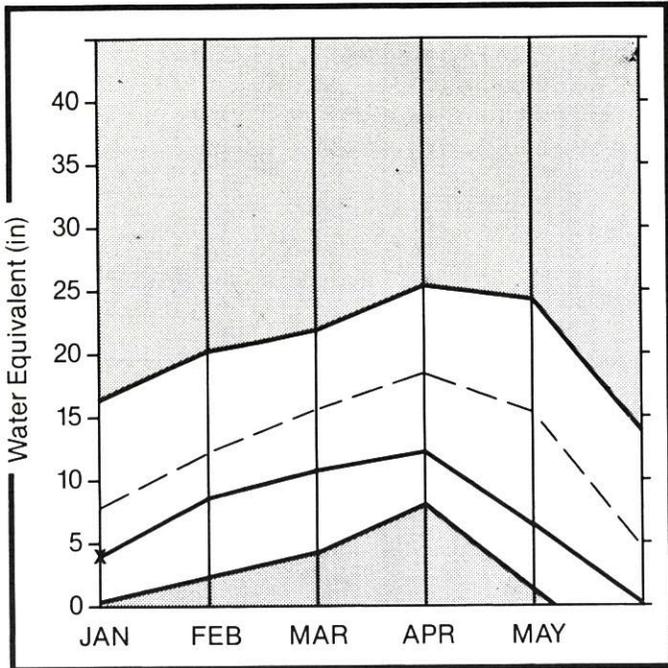
Little has changed since the May 1st analysis, where most reservoirs were storing more than usual for that date, with operators storing all available runoff in view of poor runoffs expected. Several reservoirs in the Weber-Ogden system will not fill this season.

STREAMFLOW

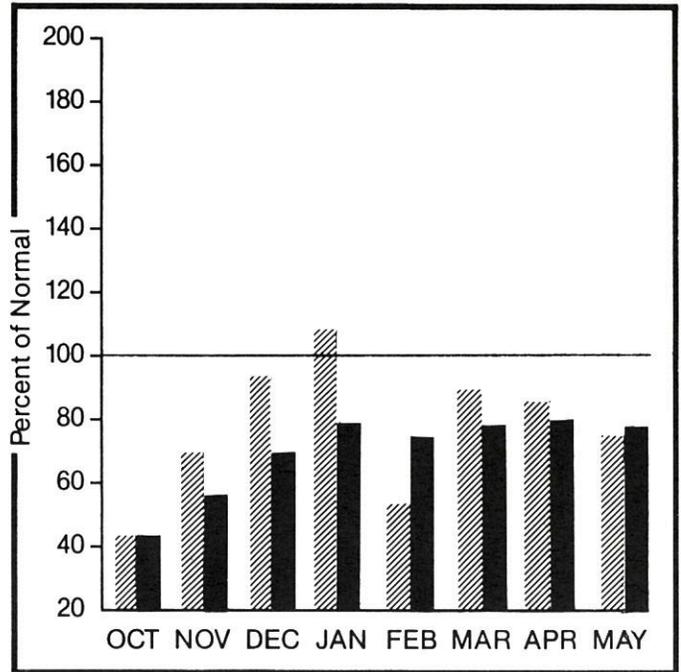
The outlook for water supplies continues to be in the 20 to 60% of average range for northern Utah reaching up to normal in the Virgin river drainage. Northern Utah is the area of concern, however, with poor volumes expected and many flows that have already peaked weeks early, direct diversion users will definitely experience shortages. Only precipitation at the right times can reduce this risk for agricultural operators this season.

Bear River Basin

Mountain snowpack* (inches)

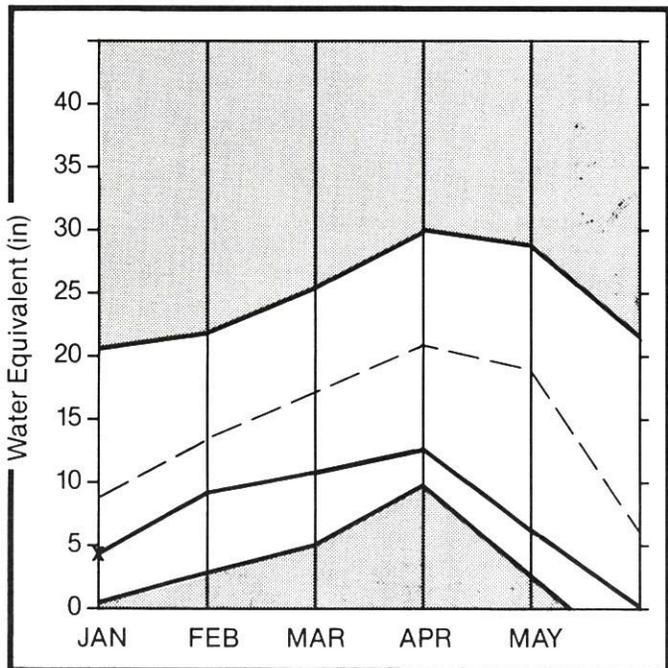


Precipitation* (percent of normal)

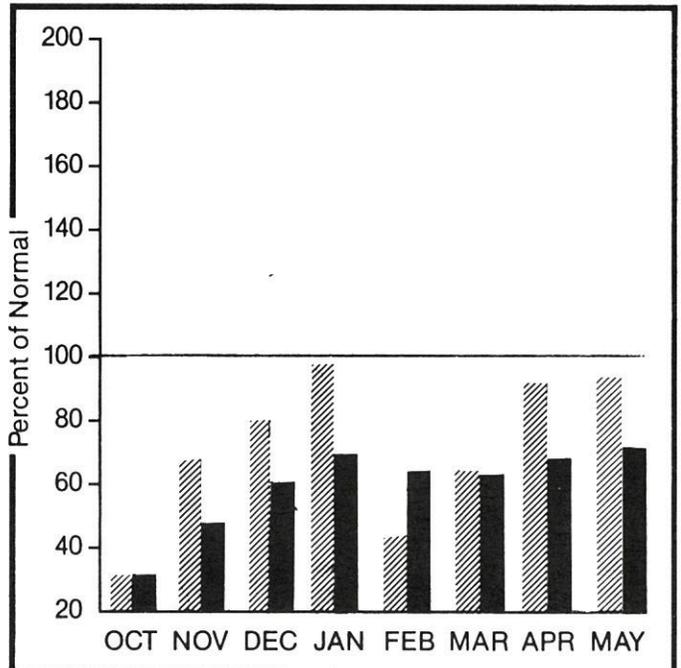


Weber & Ogden Watersheds

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

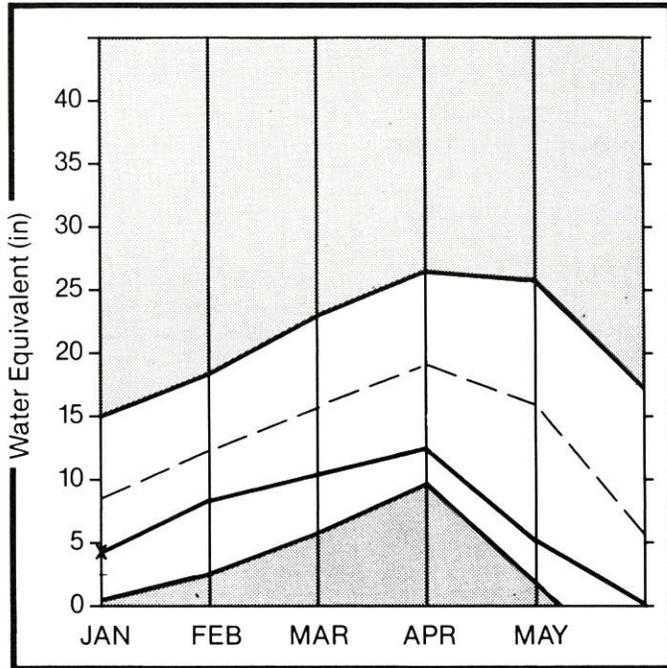
*Based on selected stations

Maximum  Average 
 Minimum  Current 

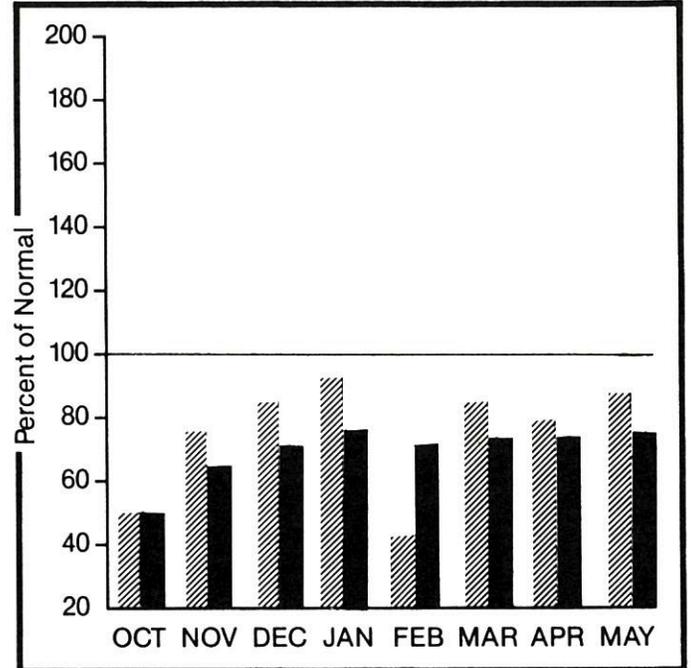
Monthly precipitation  Year to date precipitation 

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)

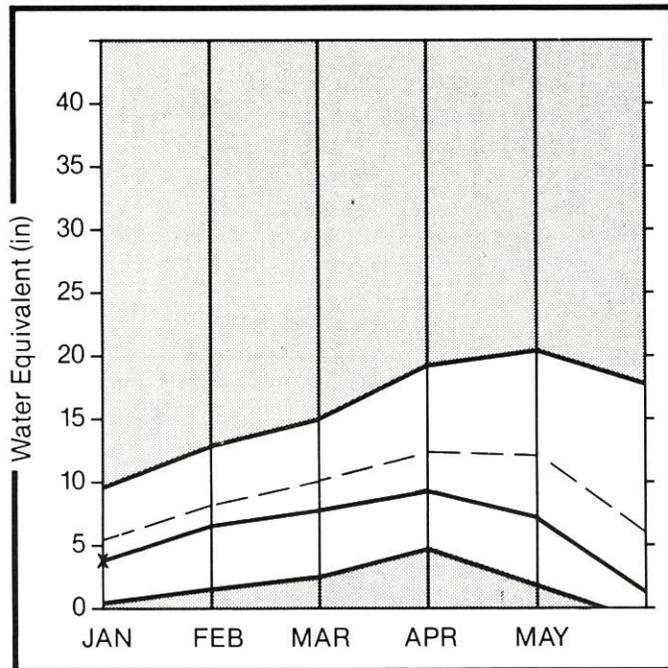


Precipitation* (percent of normal)

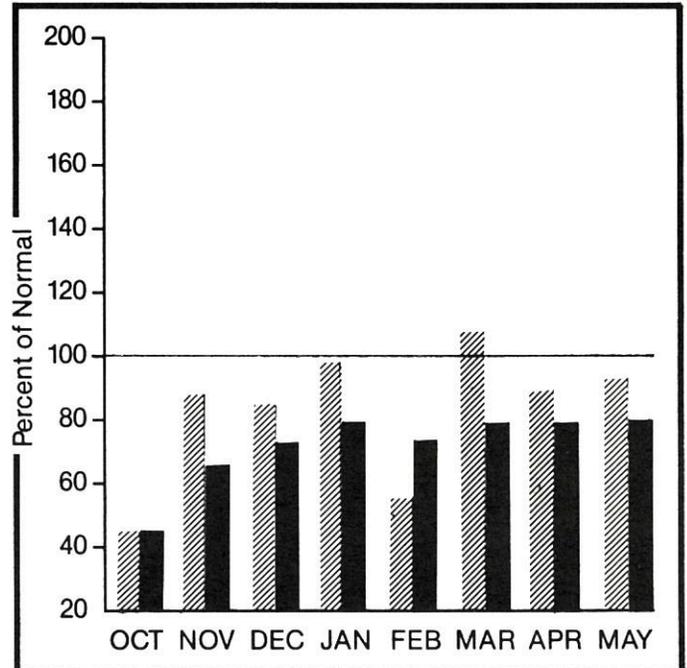


Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

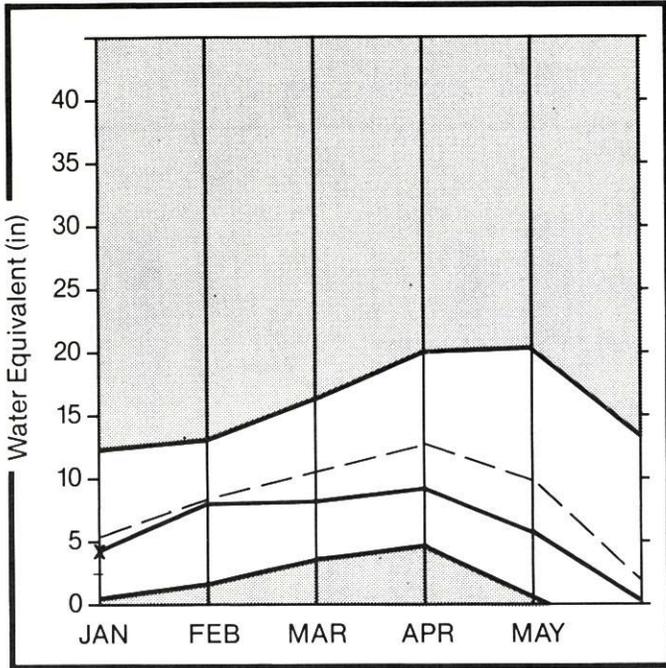
*Based on selected stations

Maximum Average
 Minimum Current

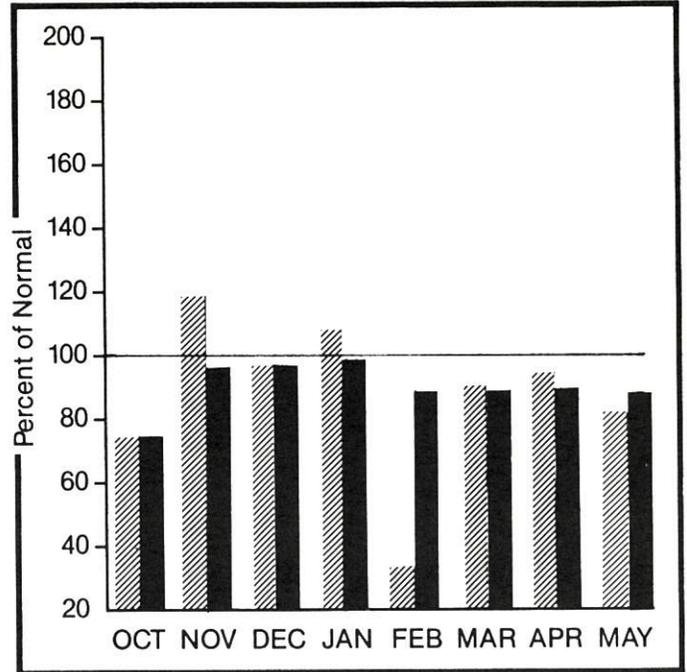
Monthly precipitation Year to date precipitation

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

Mountain snowpack* (inches)

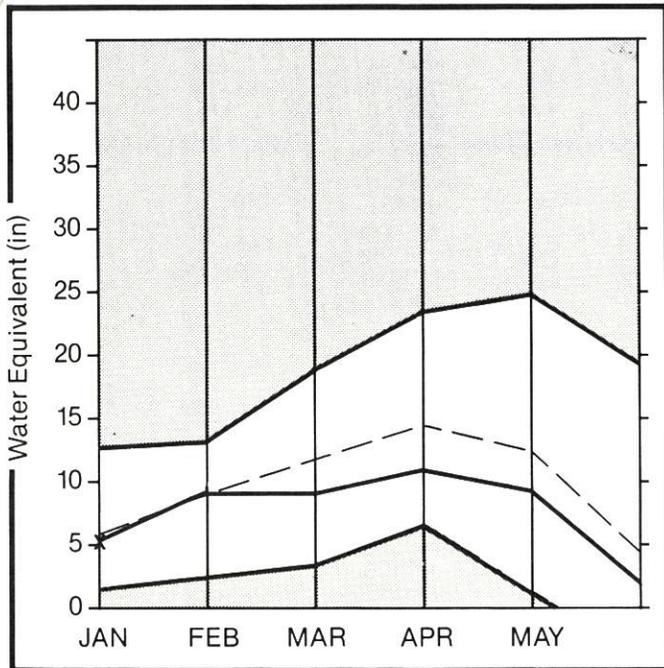


Precipitation* (percent of normal)

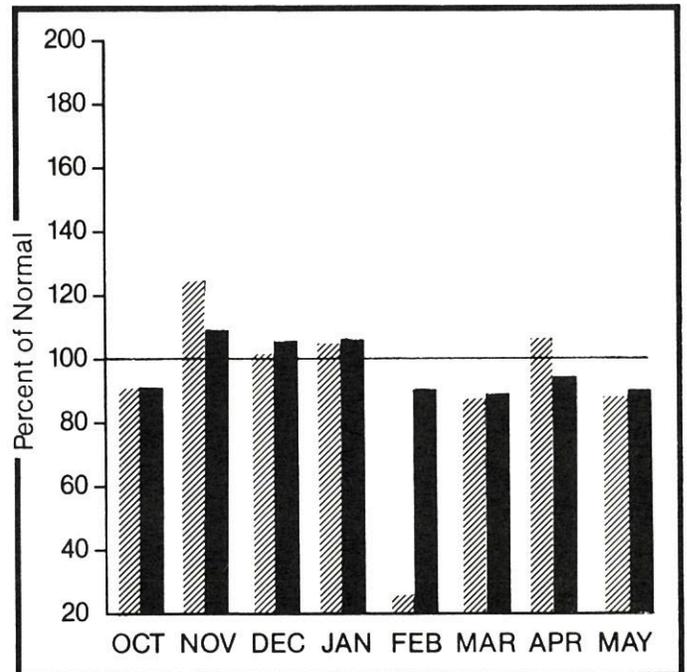


Sevier & Beaver River Basins

Mountain snowpack* (inches)



Precipitation* (percent of normal)



*Based on selected stations

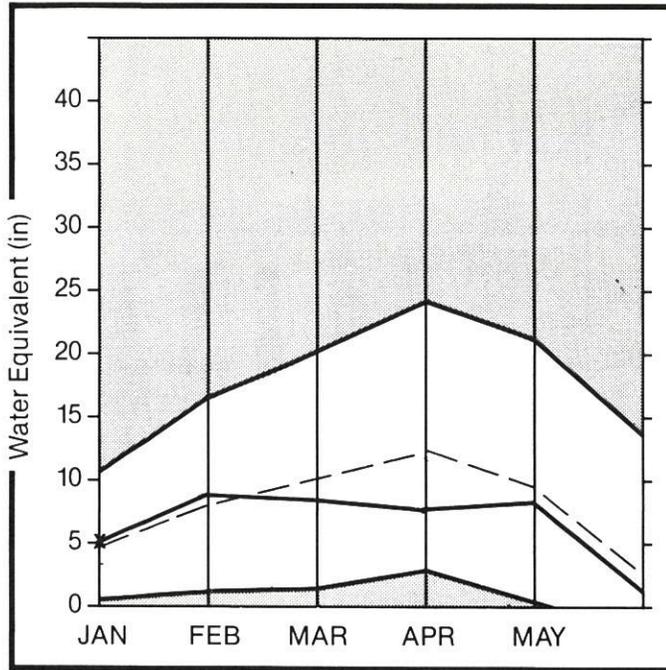
*Based on selected stations

Maximum Average
 Minimum Current

Monthly precipitation Year to date precipitation

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

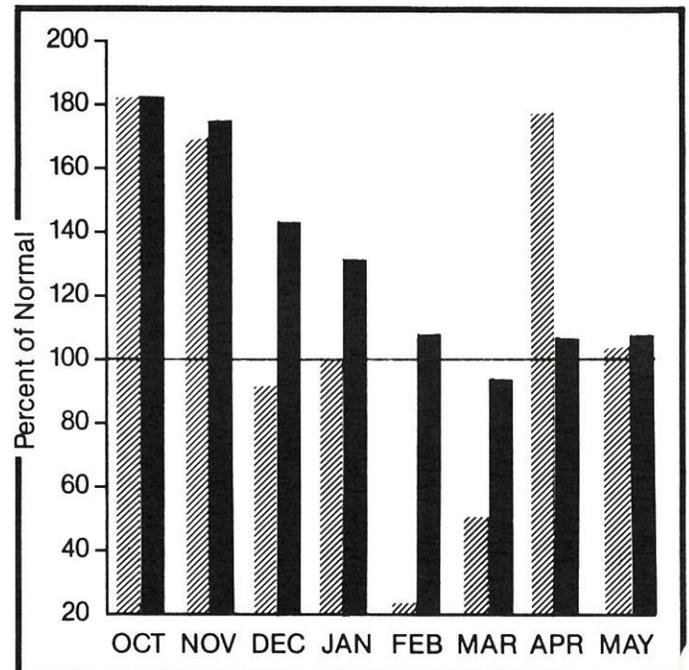
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

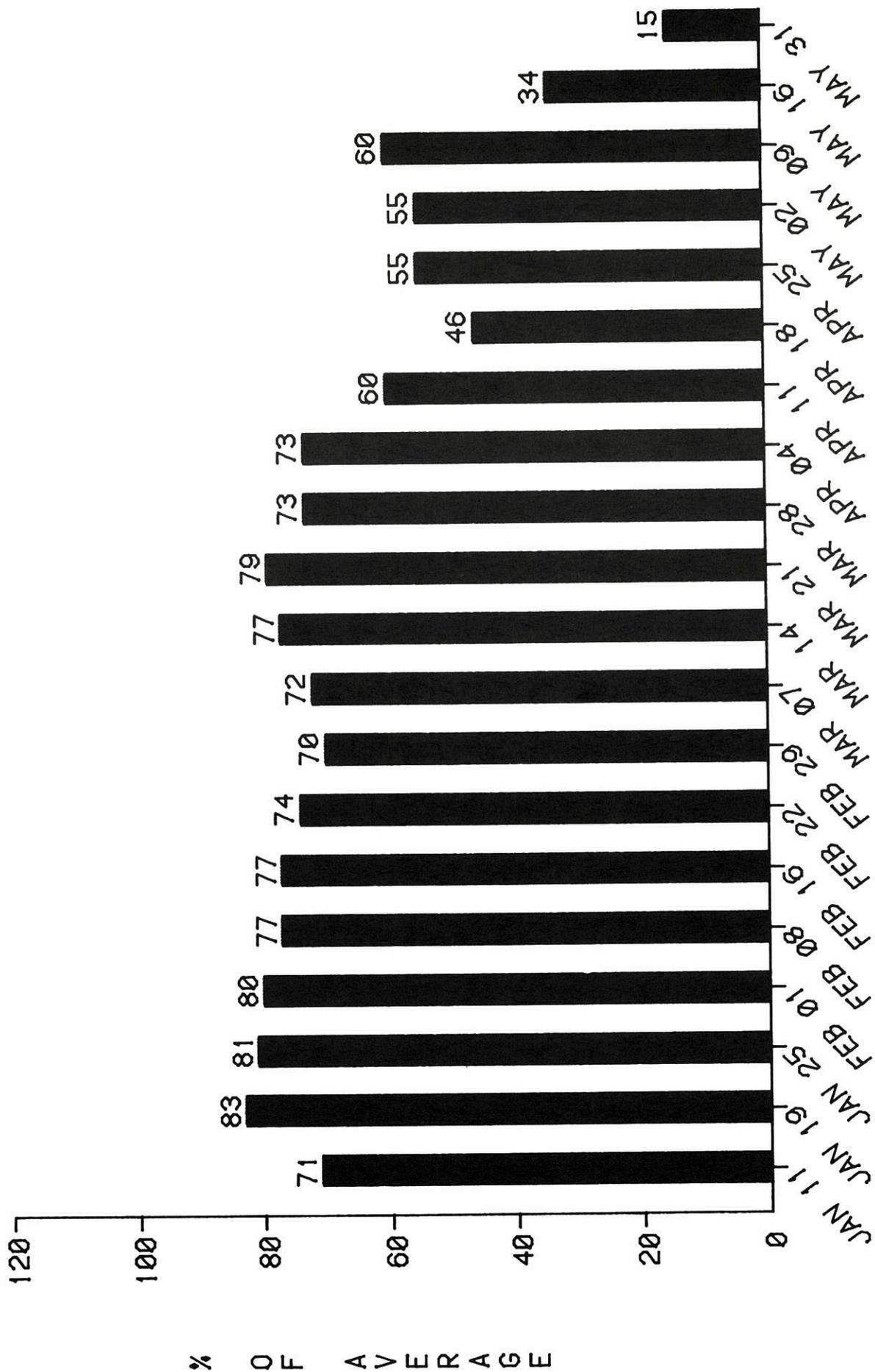
Precipitation* (percent of normal)



*Based on selected stations

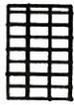
Monthly precipitation  Year to date precipitation 

STATEWIDE SNOWPACK PROGRESS
 SNOTEL DATA
 As of May 31, 1988



1988 SNOWPACK COMPARISON

June 1, 1988

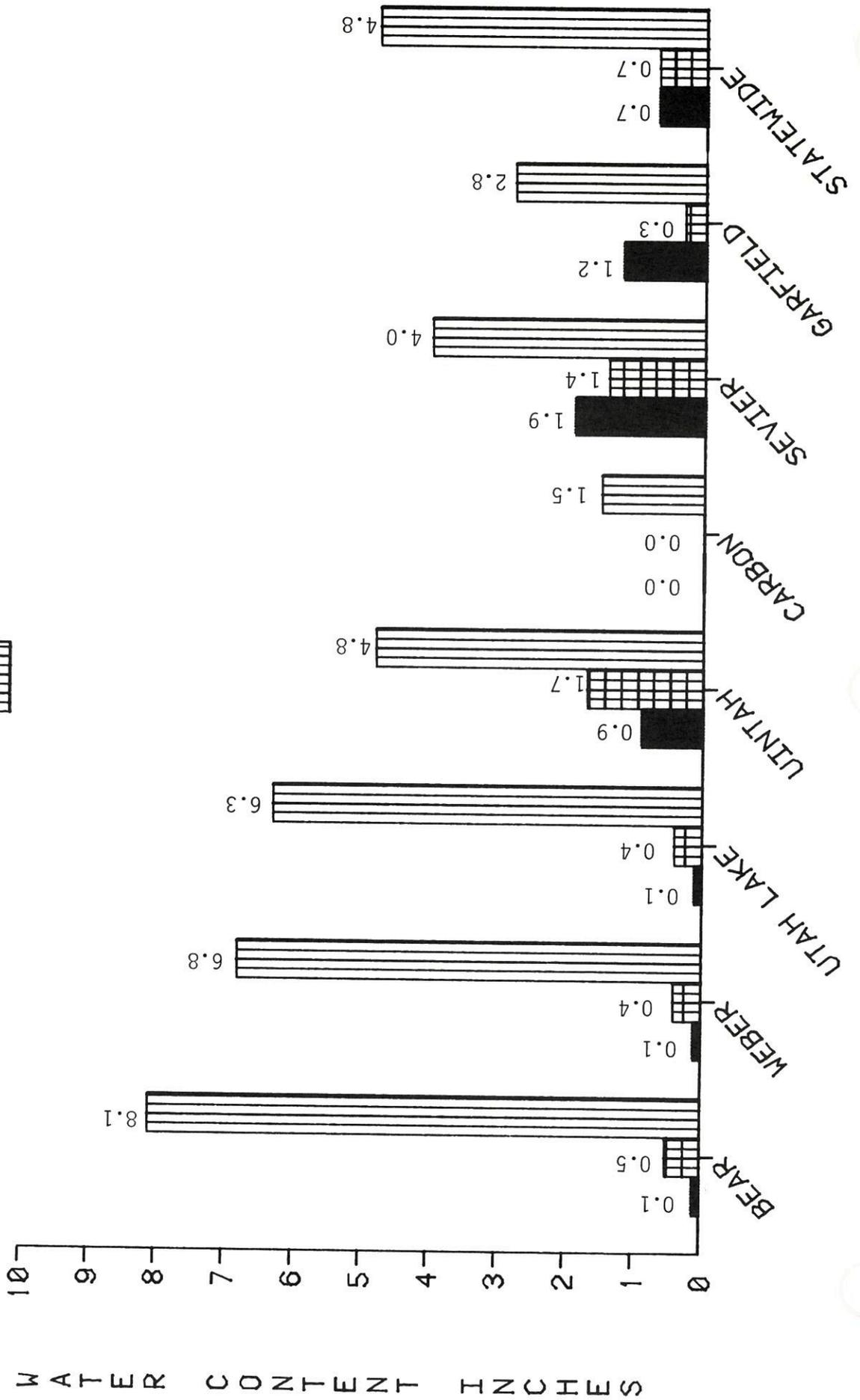


06/01/87



06/01/88

06/01 AVERAGE





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WATER CONSERVATION

TIPS

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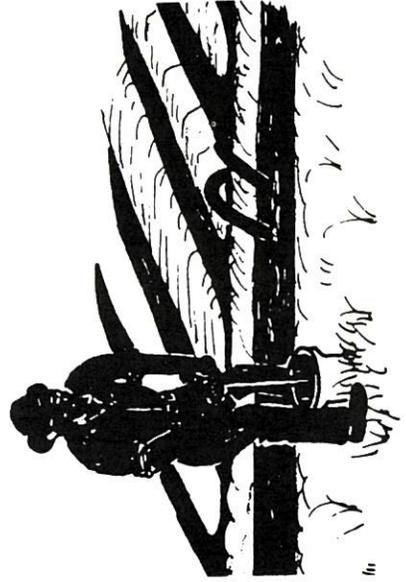
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WATER CONSERVATION

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YARDS AND GARDENS

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.



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 may 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.