



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

January 1, 1987



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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Chief
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Washington, D. C.

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In cooperation with

Utah State Department of Natural Resources
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State Engineer Director
Division of Water Rights Division of Water Resources

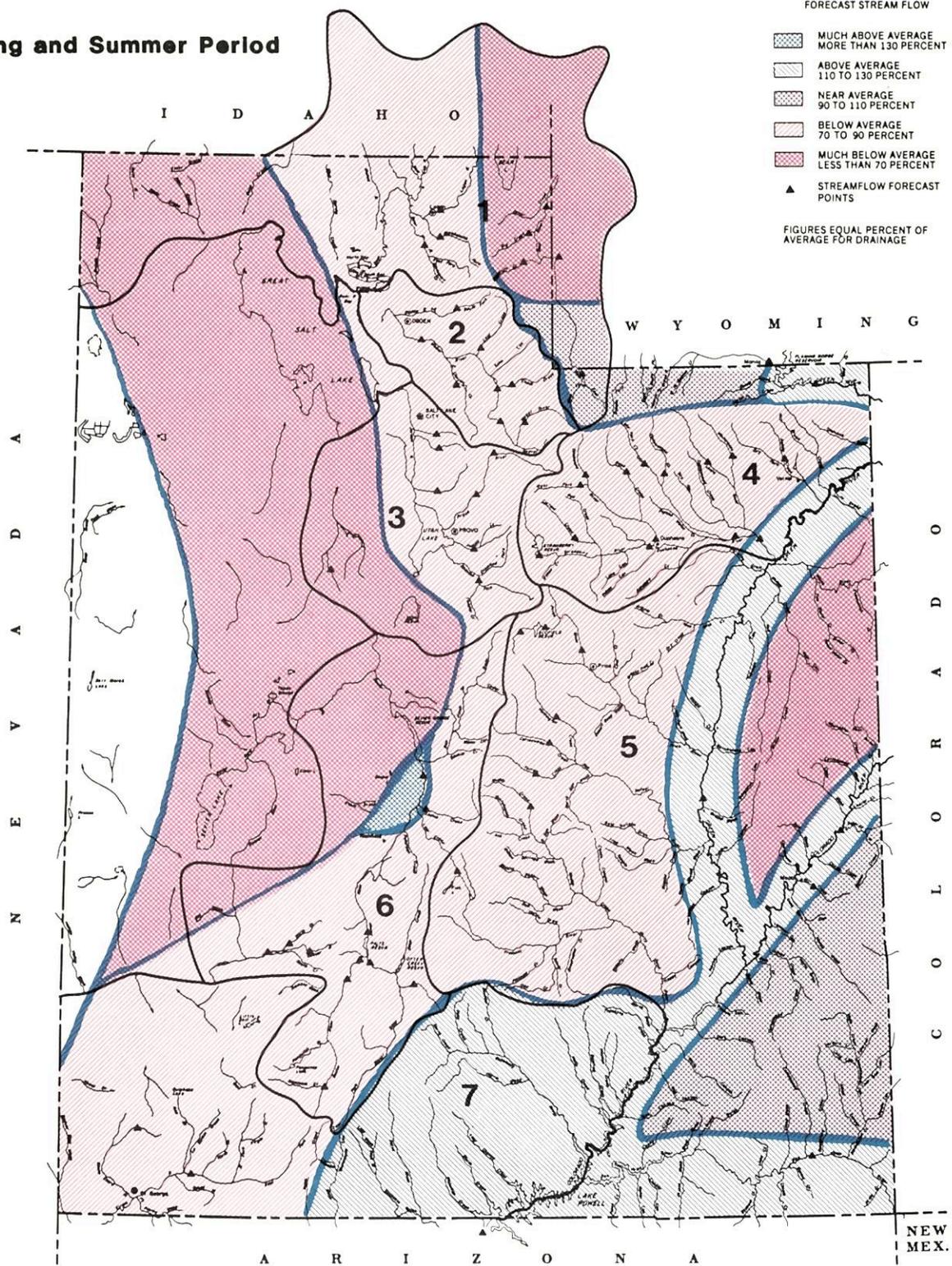
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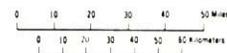
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UNITAH 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:

Snow surveys conducted the last week of December indicate the snowpack is only about half of the January 1 average. Streamflow forecasts are generally below average but, with only 40% of maximum snowpack accumulation normally on the ground by January 1, there is still adequate time to recover.

SNOWPACK:

January 1 snowpack across Utah is much below normal. The Uintas are nearer to normal than the rest of the state at 63% of the January 1 average. Percentages range downward to 53% in Southeastern Utah to 43% in Southwestern Utah.

PRECIPITATION:

Precipitation at mountain stations for the October through December period was, generally, much below normal.

RESERVOIRS:

Stored water in the 26 irrigation reservoirs in our sample is at 85% of capacity and 135% of average for this time of year. Normally these reservoirs are only storing 63% of capacity by the end of December. The only dark spot in an otherwise bright reservoir storage picture is in extreme Southwestern Utah where the 4 reservoirs sampled only contain about 32% of capacity.

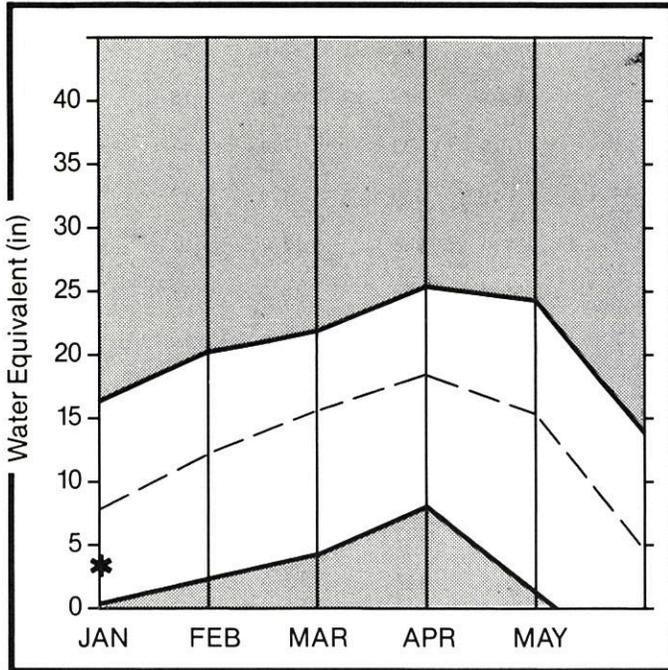
STREAMFLOW:

Streamflow forecasts are generally for below average spring and summer flows as of January 1 assuming average precipitation from now through the forecast period. Forecasts range from 55% for the Bear near Harer to 182% for the Sigurd to Gunnison reach of the Sevier.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

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 January 1 was 45% of average. Logan River snowpack was only 37% of the January 1 average. Streamflow forecasts are for less than average flows assuming average precipitation from now through the forecast period. Forecast range from 55% for the Bear near Harer to 91% for the Bear near UT-WY stateline. Reservoir storage is currently 75% of usable capacity and 109% of average for this time of year.

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

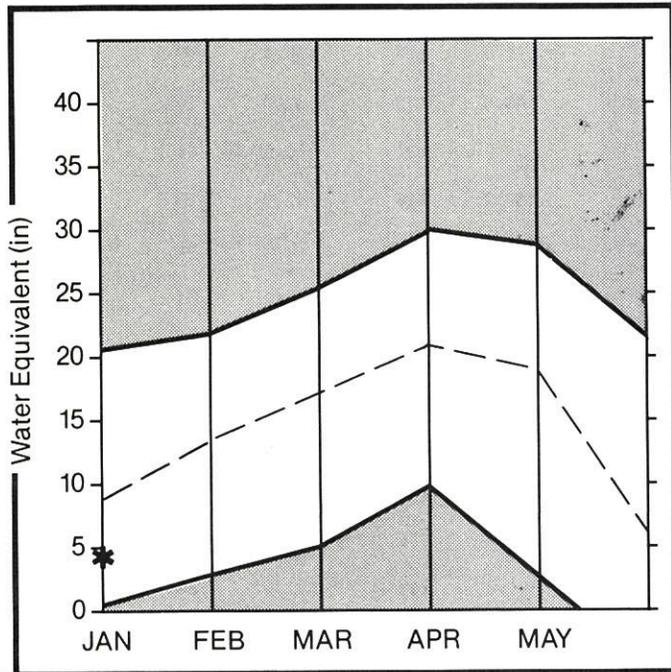
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	105.0	91	140.0	121	67.0	58
BEAR near Woodruff	APR-JUL	144.0	104.0	72	182.0	126	22.0	15
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	12.0	69	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	75.0	60	159.0	126	15.0	12
THOMAS FORK near Stateline	APR-SEP	37.0	25.0	68	35.0	95	15.0	41
SMITHS FORK near Border	APR-SEP	122.0	90.0	74	124.0	102	56.0	46
BEAR RIVER near Harer	APR-SEP	326.0	180.0	55	314.0	96	70.0	21
LOGAN RIVER near Logan	APR-JUL	122.0	95.0	78	132.0	108	63.0	52
BLACKSMITH FORK near Hyrum	APR-JUL	57.0	37.0	65	66.0	116	11.0	19
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	33.0	70	60.0	128	6.0	13

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	
BEAR LAKE	1421.0	1068.8	1073.7	987.6	BEAR RIVER, UPPER IN UTAH	6	48	62
HYRUM	15.3	8.5	10.3	10.0	BEAR RIVER, LOWER IN UTAH	8	31	38
PORCUPINE	11.3	10.0	6.2	2.8	BEAR RIVER DRAINAGE IN UT	13	36	45
WOODRUFF NARROWS	55.8	50.7	---	---	BEAR RIVER, UPPER (above	6	48	62
WOODRUFF CREEK	3.5	3.0	---	---	BEAR RIVER, LOWER (below	11	33	41
					BEAR RIVER DRAINAGE	15	36	45
					LOGAN RIVER	5	32	37
					RAFT RIVER	0	0	0
					BEAR RIVER BASIN	18	37	47

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 drainage had only 52% of the normal water content on January 1. The Ogden was slightly lower at 44%. Streamflow forecasts are for below normal flows. Forecasts range from 66% of average for inflow to Pineview Reservoir to 85% on Chalk Creek near Coalville. Stored water in the reservoirs of the Weber Basin is currently 80% of usable capacity and 140% of average for this time of year.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

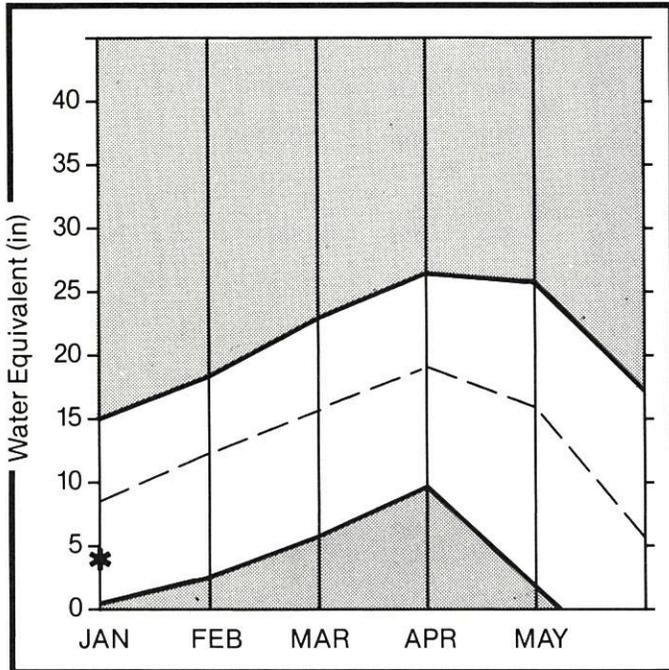
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEBER RIVER near Oakley	APR-JUN	107.0	85.0	79	125.0	117	50.0	47
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	87.0	73	148.0	123	32.0	27
CHALK CREEK near Coalville	APR-JUN	41.0	35.0	85	56.0	137	20.0	49
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	11.5	74	21.0	135	5.0	32
EAST CANYON CREEK near Morgan	APR-JUN	29.0	23.0	79	39.0	134	9.0	31
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	13.5	73	27.0	147	5.0	27
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	42.0	72	62.0	107	19.0	33
WHEELER CREEK near Huntsville	APR-JUL	6.5	5.2	80	7.0	108	3.0	46
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	80.0	66	115.0	94	36.0	30
ECHO RESERVOIR inflow	APR-JUN	163.0	128.0	79	205.0	126	66.0	40
WEBER RIVER at Gateway	APR-JUN	328.0	235.0	72	366.0	112	110.0	34
FARMINGTON CREEK near Farmington	APR-JUL	8.2	6.2	76	12.0	146	3.0	37

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
CAUSEY	6.9	4.5	1.9	2.1	OGDEN RIVER	4	33	44
EAST CANYON	48.1	39.7	41.0	33.3	WEBER RIVER	13	40	52
ECHO	73.9	62.5	57.5	41.4	WEBER & OGDEN WATERSHEDS	17	38	49
LOST CREEK	20.0	16.2	15.3	12.7				
PINEVIEW	110.1	69.3	68.9	50.0				
ROCKPORT	60.9	47.4	38.5	34.1				
WILLARD BAY	165.5	150.9	155.1	104.9				

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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 average. The Utah Lake watershed has only 33% of normal and the Jordan River tributaries directly east of the Salt Lake Valley have 57% of normal January 1 water content. Tooele Valley watersheds are 60% of average. Streamflow forecasts range from 58% to 108% of average. Reservoir storage is currently only slightly less than last year at this time. Stored usable water is currently 98% of capacity and 146% 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

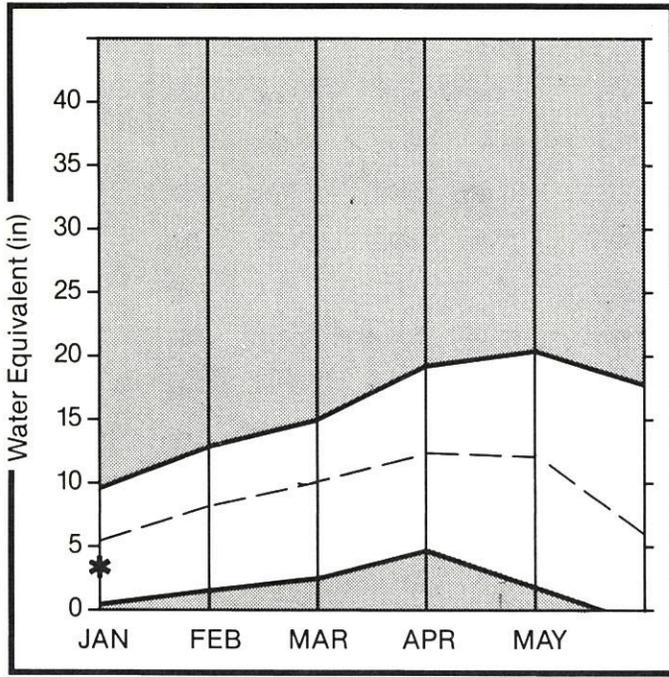
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
PROVO near Hailstone	APR-JUL	113.0	92.0	81	139.0	123	48.0	42
PROVO below Deer Creek Dam	APR-JUL	133.0	97.0	73	152.0	114	34.0	26
AMERICAN FORK near American Fk.	APR-JUL	34.0	28.0	82	37.0	109	21.0	62
HOBBLE CREEK near Springville	APR-JUL	18.7	13.5	72				
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	58.0	97	75.0	125	36.0	60
PAYSON CREEK near Payson	APR-JUL	6.2	5.1	82				
UTAH LAKE inflow	APR-JUL	295.0	320.0	108	470.0	159	173.0	59
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	33.0	80	41.0	100	22.0	54
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	38.0	97	44.0	113	31.0	79
PARLEY'S CREEK near SLC	APR-JUL	17.0	13.7	81	21.0	124	8.0	47
MILL CREEK near SLC	APR-JUL	6.9	7.2	104	10.0	145	3.0	43
EMIGRATION CREEK near SLC	APR-JUL	4.6	3.5	76				
CITY CREEK near SLC	APR-JUL	9.0	6.6	73	9.0	100	4.0	44
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.8	78	3.0	130	0.5	21
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	1.9	63	4.0	133	0.7	23
VERNON CREEK near Vernon	APR-JUN	1.2	0.7	58	1.5	122	0.2	17

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	149.7	113.1	128.0	93.5	PROVO RIVER & UTAH LAKE	10	26	33
GRANTSVILLE	3.3	2.2	---	---	PROVO RIVER	5	26	36
SETTLEMENT CREEK	1.0	0.8	0.8	0.6	JORDAN RIVER & GREAT SALT	5	52	57
STRAWBERRY-ENLARGED	951.4	529.1	506.0	---	TOOELE VALLEY WATERSHEDS	4	56	60
UTAH LAKE	883.9	903.0	900.0	601.6	UTAH LAKE, JORDAN RIVER &	19	39	46
VERNON CREEK	0.6	0.3	0.2	0.4				

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Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Uintas is quite variable. High elevation snow courses have near normal snowpack while lower elevation courses are nearly bare. Snow Water content is only 25% of average on the Strawberry River but Sheep Creek has 105% of average for January 1. Streamflow forecasts range from 82% to 113% of average. Reservoir Storage is very good for this time of year. Stored water is currently 89% of capacity and 152% of average for January 1.

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

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

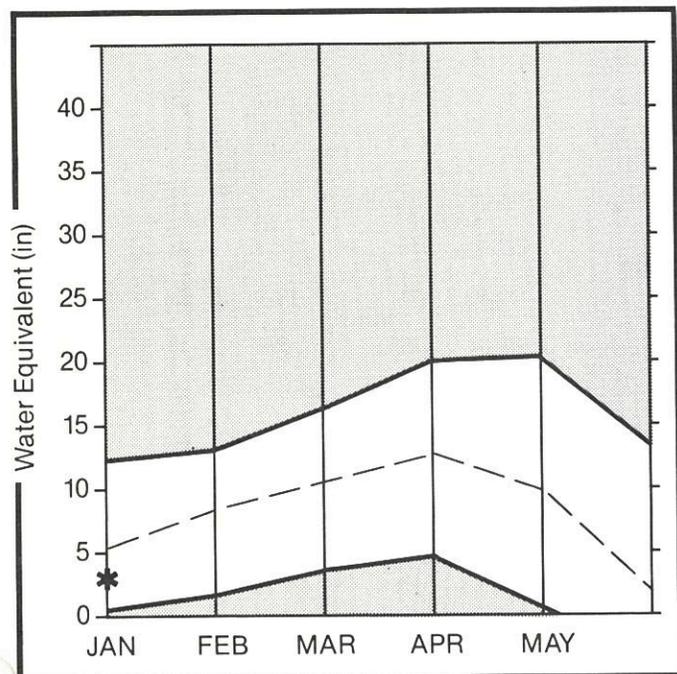
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DUCHESNE RIVER near Tabiona	APR-JUL	105.0	86.0	82	113.0	108	53.0	50
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	155.0	82	214.0	113	98.0	52
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	66.0	96	87.0	126	45.0	65
ROCK CREEK near Mountain Home	APR-JUL	95.0	80.0	84	112.0	118	54.0	57
CURRANT CREEK near Fruitland	APR-JUL	20.0	18.0	90	24.0	120	12.0	60
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	61.0	92	89.0	135	33.0	50
DUCHESNE near Myton	APR-JUL	223.0	220.0	99	310.0	139	95.0	43
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	51.0	85	76.0	127	26.0	43
UINTAH RIVER near Neola	APR-JUL	86.0	76.0	88	112.0	130	40.0	47
DUCHESNE near Randlett	APR-JUL	257.0	290.0	113	480.0	187	100.0	39
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	24.0	92	31.0	119	15.0	58
HENRY'S FORK near Manila	APR-SEP	51.0	50.0	98	73.0	143	32.0	63
BLACK'S FORK near Millburne	APR-JUL	90.0	84.0	93	121.0	134	53.0	59
FLAMING GORGE RESERVOIR inflow	APR-JUL	1267.0	1400.0	112	1840.0	145	1010.0	80
ASHLEY CREEK near Vernal	APR-JUL	52.0	50.0	96	68.0	131	36.0	69

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	
FLAMING GORGE	3749.0	3257.0	3117.0	---	UPPER GREEN RIVER in UTAH	9	67	80
MOON LAKE	35.8	25.6	17.6	13.6	ASHLEY CREEK	2	34	42
RED FLEET	26.0	17.1	19.0	---	BLACK'S FORK RIVER	3	75	90
STEINAKER	33.3	32.2	29.0	18.2	SHEEP CREEK	2	90	105
STARVATION	165.3	149.8	149.0	105.2	DUCHESNE RIVER	11	30	49
STRAWBERRY-ENLARGED	951.4	529.1	506.0	---	LAKE FORK-YELLOWSTONE CRE	3	47	76
					STRAWBERRY RIVER	4	16	25
					UINTAH-WHITEROCKS RIVERS	3	40	68
					UINTAH BASIN & DAGGET SCD	21	44	64

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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:

Snowpack on the watersheds of Southeastern Utah is below average. Price River snow courses have only 22% of average January 1 water content. The La Sal Mountains are 83% of average. Forecasts of spring and summer streamflow range from 67% of average on Muddy Creek near Emery to 130% for the Colorado River near Cisco. Reservoir storage is 77% of capacity and 139% of average.

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

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

STREAMFLOW FORECASTS

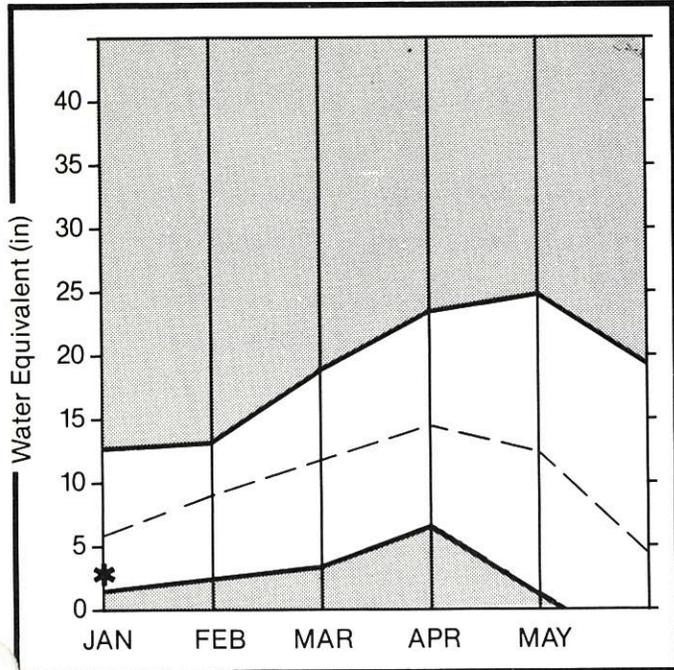
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GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	8.7	81	14.0	131	4.0	37
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	32.0	70	51.0	111	16.0	35
PRICE near Heiner	APR-JUL	63.0	56.0	89				
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	40.0	73	65.0	118	21.0	38
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	35.0	74	53.0	113	17.0	36
FERRON CREEK near Ferron	APR-JUL	41.0	30.0	73	48.0	117	12.0	29
MUDDY CREEK near Emery	APR-JUL	21.0	14.0	67	27.0	129	3.0	14
COLORADO near Cisco, UT	APR-JUL	3443.0	4475.0	130	6470.0	188	2890.0	84
GREEN near Green Rv., UT	APR-JUL	3176.0	3300.0	104	4440.0	140	2090.0	66
MILL CREEK near Moab	APR-JUL	5.5	5.0	91	8.0	145	2.0	36
NAVAJO RESERVOIR inflow	APR-JUL	764.0	775.0	106	1210.0	158	440.0	58
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1200.0	110	1940.0	178	630.0	58
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.6	86	10.0	154	2.0	31

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
HUNTINGTON NORTH	3.9	3.2	2.5	2.0		PRICE RIVER	3	17 22
JOE'S VALLEY	54.6	46.2	48.4	42.7		SAN RAFAEL RIVER	7	28 36
KEN'S LAKE	2.3	0.7	0.9	---		MUDDY RIVER	2	23 30
MILL SITE	16.7	10.6	7.3	3.0		FREMONT RIVER	4	55 73
SCOFIELD	65.8	48.8	45.0	30.3		LASAL MOUNTAINS	2	64 83
						BLUE MOUNTAINS	2	42 53
						CARBON, EMERY, WAYNE, GRA	21	38 49

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Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier is about half of normal for January 1. Water content on the Upper Sevier is 53%, East Fork 57%, South Fork 50% and Lower Sevier 44%. The Beaver River has 57% of average January 1 water equivalent in the snowpack. Streamflow forecasts of spring and summer flows range widely from 60% of average for Oak Creek near Oak City to 182% for the Sigurd to Gunnison reach of the Sevier. Reservoir storage is very good with current storage at 88% of capacity and 226% of average for January 1.

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

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

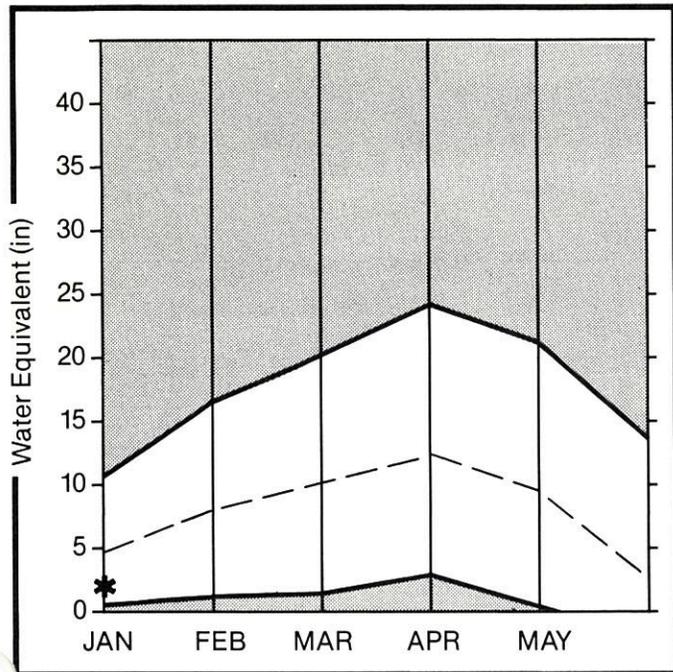
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SEVIER at Hatch	APR-JUL	52.0	49.0	94	79.0	152	27.0	52
SEVIER near Circleville	APR-JUL	44.0	42.0	95				
SEVIER near Kingston	APR-JUL	34.0	27.0	79	67.0	197	7.0	21
ANTIMONY CREEK near Antimony	APR-JUL	7.4	6.9	93				
E F SEVIER near Kingston	APR-JUL	24.0	21.0	88	46.0	192	10.0	42
SEVIER blw Piute Dam	APR-JUL	56.0	42.0	75	103.0	184	10.0	18
CLEAR CREEK near Sevier	APR-JUL	22.0	16.0	73				
SIGURD to GUNNISON	APR-JUL	44.0	80.0	182	128.0	291	36.0	82
KINGSTON to VERMILLION DAM	APR-JUL	33.0	48.0	145				
VERMILLION DAM to GUNNISON	MAR-JUL	54.0	92.0	170				
SALINA CREEK at Salina	APR-JUN	10.7	9.5	89				
SEVIER nr Gunnison	APR-JUL	99.0	110.0	111				
CHALK CREEK near Fillmore	APR-JUL	16.4	10.8	66	21.0	128	2.0	12
CHICKEN CREEK near Levan	APR-JUL	3.5	2.3	66	4.0	114	1.0	29
OAK CREEK near Oak City	APR-JUL	1.6	0.9	60	3.0	188	0.4	25
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	13.7	92				
PLEASANT CREEK near Pleasant	APR-JUL	8.6	6.6	77				
SALT CREEK near Nephi	APR-JUL	13.5	8.8	65	22.0	163	2.0	15
BEAVER RIVER near Beaver	APR-JUL	27.0	22.0	81	42.0	156	7.0	26
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	12.0	82	26.0	178	2.0	14
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	8.0	90	15.0	169	1.0	11

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	
GUNNISON	20.3	16.8	16.8	9.5	UPPER SEVIER RIVER (south	11	44	53
MINERSVILLE (RkyFd)	26.0	17.5	15.1	9.3	EAST FORK SEVIER RIVER	4	47	57
OTTER CREEK	52.6	49.9	50.2	23.8	SOUTH FORK SEVIER RIVER	7	43	50
PIUTE	71.8	60.1	46.5	29.3	LOWER SEVIER RIVER (inclu	12	35	44
SEVIER BRIDGE	236.0	214.1	208.1	87.0	BEAVER RIVER	3	29	57
PANQUITCH LAKE	22.3	17.2	18.7	---	SEVIER & BEAVER RIVER BAS	26	37	48

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:

Snowpack on the watersheds of Southwestern Utah is much below average with the exception of the Escalante River which is 154% of the January 1 norm. Virgin River snowpack is 31% of average and Coal Creek is 36% of average. Streamflow forecasts range from 73% on Coal Creek to 117% for inflow to Lake Powell. The Virgin and Santa Clara Rivers are forecast at 82% and 79% of average respectively. Reservoir storage is only 32% of capacity in the four reservoirs for which data are available.

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. MIN. (1000AF)	REAS. MIN. (% AVG.)
VIRGIN near Hurricane	APR-JUN	68.0	56.0	82	92.0	135	18.0	26
SANTA CLARA near Pine Valley	APR-JUN	5.3	4.2	79				
COAL CREEK near Cedar City	APR-JUL	20.0	14.5	73	24.0	120	8.0	40
LAKE POWELL inflow	APR-JUL	8086.0	9500.0	117	13543.0	167	6023.0	74

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	4.3	---	---	VIRGIN RIVER	5	28	31
LAKE POWELL	25002.0	22564.0	22993.0	---	PARDWAN	4	58	64
QUAIL CREEK	40.0	13.0	---	---	ENTERPRISE TO NEW HARMONY	2	45	58
UPPER ENTERPRISE	10.0	2.5	---	---	COAL CREEK	3	35	36
LOWER ENTERPRISE	2.6	0.5	---	---	ESCALANTE RIVER	2	130	154
					E. GARFIELD, KANE, WASHIN	12	39	43

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 DATA MEASUREMENTS

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500	no data			-	7.5
ATWOOD LAKE	10500	no data			9.5	5.5
BEAVER CREEK DIVIDE	8280	12/29	9	1.8	7.2	5.7
BEAVER DAMS	8000	12/28	6	1.1	6.3	4.8
BEN LOMOND PEAK	8000	12/29	25	7.7	20.3	14.7
BEN LOMOND TRAIL	6000	12/30	10	2.5	13.9	7.1
BEVAN'S CABIN	6450	12/31	13	3.9	4.8	2.6
BIG FLAT	10290	12/26	24	6.2	15.0	7.0
BIRCH CROSSING	8100	12/23	5	1.1	3.7	3.3
BLACK'S FLAT-U.M. CK	9400	12/27	11	2.6	6.5	5.0
BLACK'S FORK	9200	12/27	-	2.3E	7.9	6.1
BLACK'S FORK GS-EF	9340	12/29	11	2.0	4.2	3.7
BLACK'S FORK JUNCTN	8930	12/29	14	3.1	4.5	3.9
BOX CREEK	9300	12/27	9	2.0	6.8	5.6
BRIAN HEAD	10000	12/26	28	7.7	11.2	9.1
BROWN DUCK RIDGE	10600	12/29	32	8.6	13.5	8.6
BRYCE CANYON	8000	12/29	7	1.0	2.5	2.1
BUCK FLAT	9800	12/30	12	2.5	10.0	7.1
BUCK PASTURE	9700	no data			-	9.0
BUCKBOARD FLAT	9000	12/30	13	3.6	8.0	6.5
BUG LAKE	7950	12/29	19	4.8	10.3	8.3
BURT'S-MILLER RANCH	7900	12/29	8	2.0	3.6	2.4
CAMP JACKSON	8600	12/30	14	3.4	8.6	6.7
CASTLE VALLEY	9580	12/26	11	2.2	6.1	6.1
CHALK CREEK #1	9100	12/29	29	8.8	15.7	10.0
CHALK CREEK #2	8200	12/29	20	4.9	9.1	6.5
CHALK CREEK #3	7500	12/29	10	2.4	4.6	3.6
CHEPETA	10300	12/30	19	4.5	10.1	5.3
CHEPETA-WHITERKS. LK	10350	no data			-	6.6
CLEAR CREEK MEADOWS	9420	01/01	-	3.8E	-	9.5
CLEAR CREEK RIDGE #1	9200	12/28	12	2.6	8.7	8.1
CLEAR CREEK RIDGE #2	8000	12/28	10	2.2	6.5	6.6
CLEAR CREEK RIDGE #3	6600	12/28	4	.7	4.1	3.8
CURRENT CREEK	8000	12/28	1	.1	7.7	4.5
DANIELS-STRAWBERRY	8000	12/28	4	.7	10.8	6.2
DESERET PEAK	9250	12/30	13	3.6	-	12.2
DILL'S CAMP	9200	12/27	5	1.1	7.2	5.2
DONKEY RESERVOIR	9800	12/27	28	7.1	3.9	3.3
DRY BREAD POND	8350	12/29	11	2.6	7.8	8.5
DUCK CREEK R.S.	8700	12/27	-	2.4E	5.9	5.5
EAST SHINGLE LAKE	9800	no data			-	13.3
FARMINGTON CANYON	8000	12/29	21	6.4	16.7	13.7
FARMINGTON CANYON L.	6950	12/29	17	4.4	12.4	10.4
FARNSWORTH LAKE	9600	12/27	26	7.4	8.9	8.3
FISH LAKE	8700	12/27	4	.9	5.2	3.9
FIVE POINT LAKE	11000	no data			8.4	7.0
G.B.R.C. HEADQUARTER	8700	12/27	12	2.7	10.2	7.3
G.B.R.C. MEADOWS	10000	12/28	22	5.9	12.7	9.9
GARDEN CITY SUMMIT	7600	12/29	9	1.9	9.8	7.6
GEORGE CREEK	8840	no data			-	-
GEORGE PEAK	9000	no data			-	12.5
GOOSEBERRY R.S.	8000	12/27	14	3.2	6.7	5.3
HARDSCRABBLE	6700	12/29	10	1.4	12.5	9.3
HARRIS FLAT	7700	12/27	5	.6	3.8	3.4
HAYDEN FORK	9400	12/29	16	3.8	7.1	6.2
HENRY'S FORK	10000	no data			-	6.5
HEWINTA G.S.	9500	12/29	15	3.3	4.2	3.8
HOLE-IN-THE-ROCK	9150	12/30	10	1.8	3.4	2.8
HOLE-IN-THE-ROCK GS	8300	no data			-	1.0
HICKERSON PARK	9100	12/30	14	2.9	3.4	3.8
HOBBLE CREEK SUMMIT	7420	12/28	7	1.3	8.5	6.9
HORSE RIDGE	8260	12/29	15	3.6	10.3	9.0
HUNTINGTON-HORSESHOE	9800	12/28	19	5.9	13.8	10.2
INDIAN CANYON	9100	12/28	13	3.1	7.9	5.6
JOHNSON VALLEY	8850	12/27	3	.7	4.9	3.3

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
KILFOIL CREEK	7300	12/29	12	2.5	7.3	6.0
KIMBERLY MINE (UPPER)	9300	12/26	22	5.7	9.3	6.5
KING'S CABIN (UPPER)	8730	12/30	9	1.8	5.4	4.5
KLONDIKE NARROWS	7400	12/29	11	2.8	9.5	8.2
KOLOB-CRYSTAL	9250	12/27	9	1.4	9.6	8.5
LAKEFORK BASIN	11100	no data			10.3	9.3
LAKEFORK MOUNTAIN #1	10200	12/29	15	3.9	8.8	5.2
LAKEFORK MOUNTAIN #3	8400	12/29	2	.3	4.8	3.1
LAMBS CANYON	7400	12/29	18	4.3	9.4	7.3
LASAL MOUNTAIN LOWER	8800	12/31	13	2.6	6.6	4.5
LASAL MOUNTAIN (UPP)	9850	12/31	29	7.5	9.2	7.6
LIGHTNING LAKE	10500	no data			15.3	10.2
LILY LAKE	9050	12/30	22	5.2	9.1	6.5
LITTLE BEAR (LOWER)	6000	12/29	6	1.2	7.6	4.7
LITTLE BEAR (UPPER)	6550	12/29	8	1.6	9.1	5.5
LITTLE GRASSY CREEK	6100	12/26	1	.3	0.4	1.0
LONG FLAT	8000	12/26	9	1.5	3.6	2.1
LONG VALLEY JCT.	7500	12/27	8	.2	3.8	2.3
LOST CREEK RESERVOIR	6130	12/29	0	0.0	3.5	2.3
MAMMOTH-COTTONWOOD	8800	12/28	13	3.0	14.3	9.0
MERCHANT VALLEY (UP)	8750	12/26	6	1.0	9.6	5.3
MIDDLE BEAVER CREEK	8650	no data			-	1.8
MIDDLE CANYON	7000	12/31	18	4.8	6.7	6.1
MIDWAY VALLEY	9800	12/27	19	6.2	9.0	9.0
MILL CREEK	6950	01/06	40	7.6	9.7	9.8
MILL D SOUTH FORK	7400	12/30	17	4.3	8.6	8.6
MONTE CRISTO R.S.	8960	12/29	20	4.6	11.2	9.6
MOSBY MOUNTAIN (LOW)	9500	12/30	11	2.1	7.3	4.5
MOUNT BALDY R.S.	9500	12/28	22	6.1	13.7	10.0
MUD CREEK #2	8600	12/28	8	1.4	7.5	6.0
OAK CREEK	7760	12/26	7	1.1	7.2	6.1
ONE MILE SUMMIT	7330	no data			-	1.5
OTTER LAKE	9600	12/26	12	2.8	9.9	5.2
PANQUITCH LAKE	8200	12/26	2	.4	3.6	2.4
PARADISE PARK	10100	12/30	16	4.2	9.8	6.2
PARLEY'S CANYON SUM.	7500	12/29	17	4.4	9.3	8.3
PAYSON R.S.	8050	12/26	15	3.2	8.9	8.3
PICKLE KEG SPRING	9600	12/27	11	2.2	7.8	7.0
PINE CANYON	8000	12/29	13	3.1	9.8	8.0
PINE CREEK	8800	12/26	12	2.6	9.9	7.7
REDDEN MINE LOWER	8500	12/29	14	3.0	10.9	8.6
RED PINE RIDGE	9200	12/28	12	2.7	8.1	7.0
REES'S FLAT	7300	12/26	10	2.2	7.6	6.6
REYNOLDS PARK	10400	no data			-	7.7
ROCK CREEK	7900	12/29	1	.2	6.6	3.6
ROCKY BASIN-SETTLEMT	8900	12/31	24	7.4	11.3	13.7
SEELEY CREEK R.S.	10000	12/28	9	2.1	9.8	7.1
SERGEANT LAKES	8300	no data			-	-
SHINGLE MILL	6200	12/23	3	.4	3.7	4.0
SILVER LAKE (BRIGHT.)	8730	12/30	20	5.2	12.9	10.9
SMITH & MOREHOUSE	7600	12/29	12	3.2	7.6	5.6
SNOWBIRD GAD VALLEY	9700	no data			-	19.5
SOAPSTONE R.S.	7800	12/29	-	2.2E	6.7	5.5
SPIRIT LAKE	10300	12/30	26	7.0	7.6	5.6
SQUAW SPRINGS	9300	12/27	4	.6	4.8	3.9
STEEL CREEK PARK	10100	12/29	32	8.7	9.7	7.7
STILLWATER CAMP	8550	12/30	12	2.8	5.5	4.4
STRAWBERRY DIVIDE	8400	12/30	11	2.3	12.1	8.5
STUART R.S.	7950	12/28	2	.5	4.1	4.1
SUSC RANCH	8200	12/23	1	.1	5.0	3.6
THALL FOLDS	8800	12/23	17	3.5	6.5	6.2
THOMAS JAYNES CANYON	9200	12/24	21	5.0	-	-
THORNHILL FLAT	8500	no data			-	6.8
TIMPANOGOS DIVIDE	8140	12/28	12	2.8	14.0	10.3

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
TONY GROVE LAKE	8400	12/29	22	6.1	17.5	16.2
TONY GROVE R.S.	6250	12/29	8	1.8	6.6	5.1
TRIAL LAKE	9960	12/29	25	6.5	15.8	11.0
TROUT CREEK	9400	12/30	11	2.2	6.2	5.0
UPPER JOES VALLEY	8900	12/28	5	.7	5.3	4.4
VERNON CREEK	7500	12/31	1	.1	6.2	4.7
VIFONT	7670	no data			-	6.2
WEBSTER FLAT	9200	12/27	5	.8	6.5	6.9
WHITE RIVER #1	8550	12/28	10	2.0	8.1	6.1
WHITE RIVER #3	7400	12/28	1	.1	4.9	3.9
WIDTSOE-ESCALANTE #3	9500	12/27	23	6.0	6.2	5.2
WRIGLEY CREEK	9000	12/27	9	1.6	6.6	4.4
YANKEE RESERVOIR	8700	12/26	12	2.5	4.0	4.4



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

February 1, 1987



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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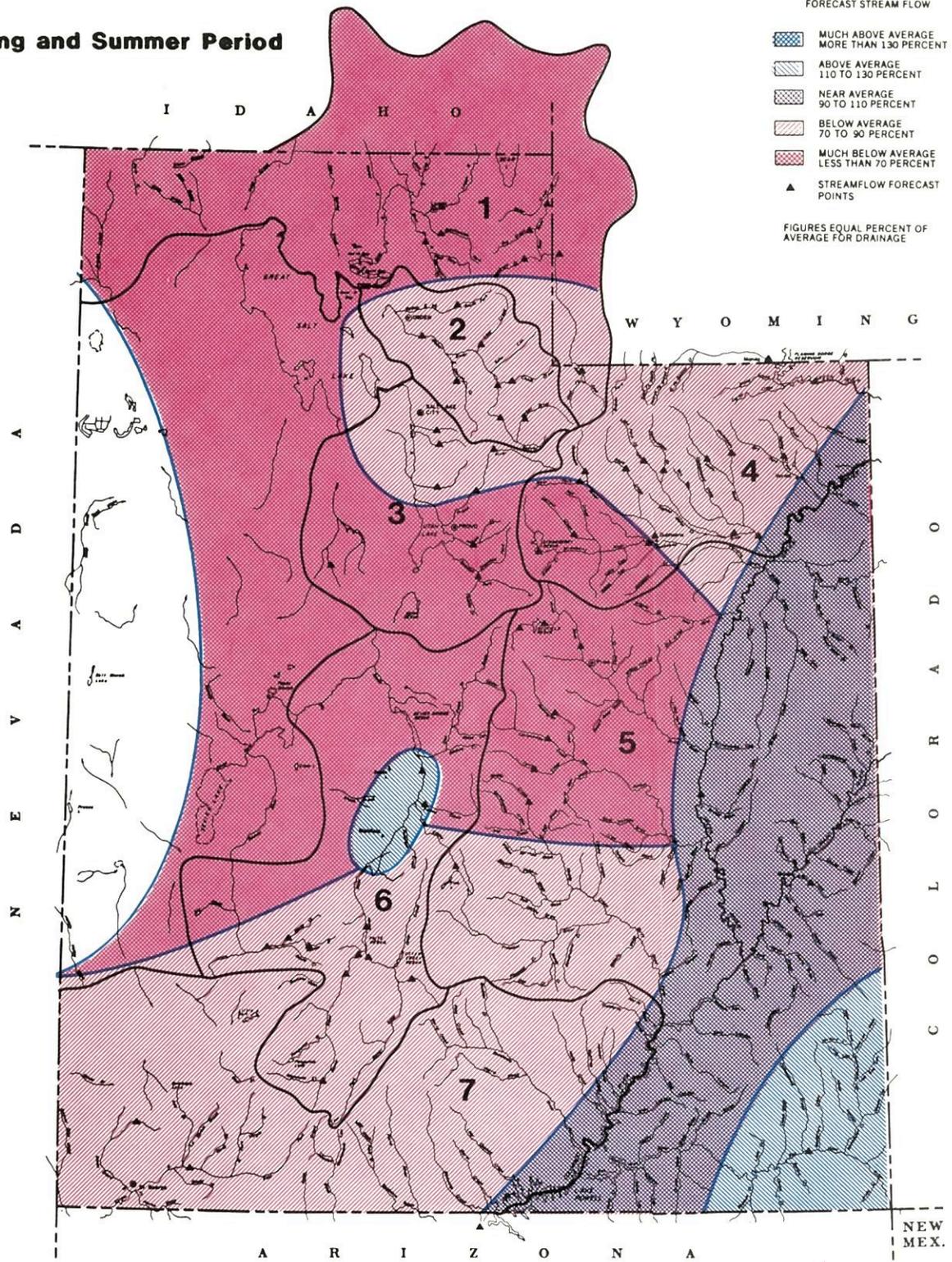
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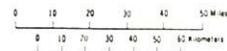
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UNITAH 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:

Poor snowpack conditions continue to darken prospects for good water supplies in Utah this year. February 1st. reports averaged across the state show only 57% of usual amounts. Streamflow forecasts remain below normal with a few exceptions.

SNOWPACK:

The average snow accumulation in Utah on February 1st. is 64% of the peak which usually occurs near April 1st. With only 36% of that April 1st. average peak snowpack on the ground, only two months remaining and droughty weather trends it is unlikely that the snowpack can catch up to normal by April 1st. Nearly twice usual snowfall during February and March would be needed. The Uintas remain highest at 64% while conditions are driest in the southwestern part of the State where snowpack is 44% of average. Snow reports at 10 stations were near or below the minimum on record. Heavy spring snow and rains will be needed to overcome effects of current shortages.

PRECIPITATION:

Precipitation for mountain stations was generally less than normal for the month of January. Valley precipitation was generally normal except for near normal reports in northeastern Utah and Tooele areas. Southern Utah experienced variable amounts of January precipitation. Seasonal precipitation is 40-80% of normal with areas near the Colorado border near normal.

RESERVOIRS:

Water stored in 25 major reservoirs is generally in very good supply averaging 29% above normal volumes for February 1st. Southwestern Utah reservoirs remain in poor condition with the added concern that earlier than usual release may be necessary to supplement the light runoff expected.

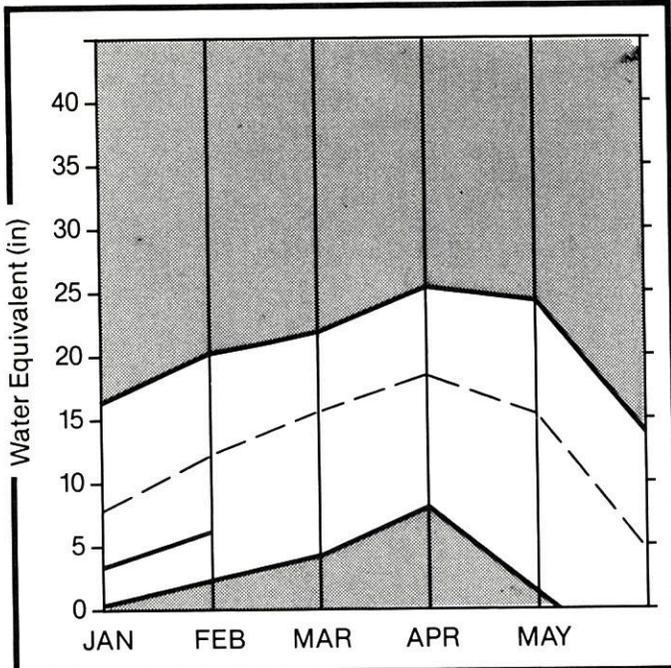
STREAMFLOW:

Streamflow forecast values are generally below average, Some are as low as 37% in the Sevier and Beaver River Basins. A few streams in some basins are near or above normal. Utah Lake Inflow and City Creek along the Wasatch front are 105 and 101% of average respectively. Forecasts elsewhere are in the 60-80% of average range.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed is only half of normal for February 1. The Logan River drainage has 42% of average water content. Bear River Basin snowpack increased only 60% as much as usual during January as a result of below normal precipitation. Streamflow forecasts are down from the levels forecast last month. Forecasts now range from 27 to 75% of average. Reservoir storage is well above average for this time of year, a factor that will gain more importance if below normal precipitation persists.

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	118.0	102	59.0	51
BEAR near Woodruff	APR-JUL	144.0	86.0	60	155.0	108	33.0	23
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	9.5	55	14.0	81	5.0	29
BIG CREEK near Randolph	APR-JUL	5.3	3.0	57	6.0	113	1.0	19
BEAR near Randolph	APR-JUL	126.0	70.0	56	147.0	117	30.0	24
THOMAS FORK near Stateline	APR-SEP	37.0	10.0	27	20.0	54	5.0	14
SMITHS FORK near Border	APR-SEP	122.0	65.0	53	97.0	80	33.0	27
BEAR RIVER near Harer	APR-SEP	326.0	140.0	43	254.0	78	45.0	14
LOGAN RIVER near Logan	APR-JUL	122.0	75.0	61	104.0	85	48.0	39
BLACKSMITH FORK near Hyrum	APR-JUL	57.0	32.0	56	57.0	100	11.0	19
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	25.0	60	49.0	117	10.0	24
CUB RIVER near Preston	APR-JUL	46.8	28.0	60	54.0	115	10.0	21

RESERVOIR STORAGE

(1000AF)

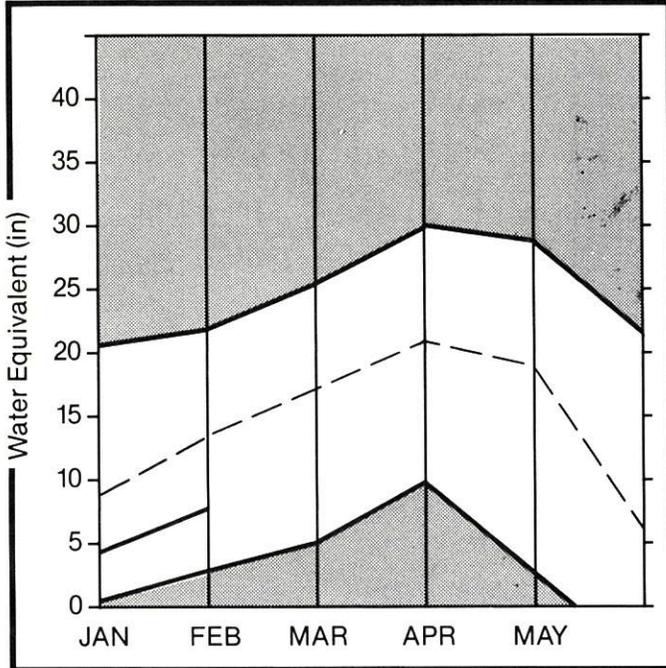
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY ¹	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
BEAR LAKE	1421.0	1052.9	1057.7	992.5	BEAR RIVER, UPPER IN UTAH	6	43	49
HYRUM	15.3	10.9	10.3	10.3	BEAR RIVER, LOWER IN UTAH	8	45	45
PORCUPINE	11.3	10.5	7.0	2.9	BEAR RIVER DRAINAGE IN UT	13	44	46
WOODRUFF NARROWS		NO REPORT			BEAR RIVER, UPPER (above	12	51	54
WOODRUFF CREEK	3.5	3.1	1.7	---	BEAR RIVER, LOWER (below	14	45	47
					BEAR RIVER DRAINAGE	24	47	50
					LOGAN RIVER	5	44	42
					RAFT RIVER	0	0	0
					BEAR RIVER BASIN	26	47	50

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 is only 60% of average. During January the snowpack increased only about 75% of normal which leaves the snowpack at a level slightly less than is normal for the beginning of January. Streamflow forecasts now range from 57 to 80% of the April-June average. Most Weber Basin forecasts decreased from the volumes forecast last month with the exception of the Ogden River which improved slightly. Reservoir storage is 134% 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.)
WEBER RIVER near Oakley	APR-JUN	107.0	75.0	70	108.0	101	45.0	42
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	75.0	63	128.0	107	31.0	26
CHALK CREEK near Coalville	APR-JUN	41.0	28.0	68	44.0	107	13.0	32
WEBER RIVER near Coalville	APR-JUN	127.0	73.0	57	120.0	94	32.0	25
LOST CREEK near Croyden	APR-JUN	15.6	11.0	71	19.0	122	3.0	19
EAST CANYON CREEK near Morgan	APR-JUN	29.0	20.0	69	33.0	114	8.0	28
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	14.0	76	26.0	141	4.0	22
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	43.0	74	62.0	107	24.0	41
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	97.0	80	129.0	106	62.0	51
WHEELER CREEK near Huntsville	APR-JUL	6.5	5.2	80	7.0	108	3.0	46
ECHO RESERVOIR inflow	APR-JUN	163.0	104.0	64	164.0	101	52.0	32
WEBER RIVER at Gateway	APR-JUN	328.0	190.0	58	298.0	91	88.0	27
FARMINGTON CREEK near Farmington	APR-JUL	8.2	5.7	70	11.0	134	2.0	24

RESERVOIR STORAGE

(1000AF)

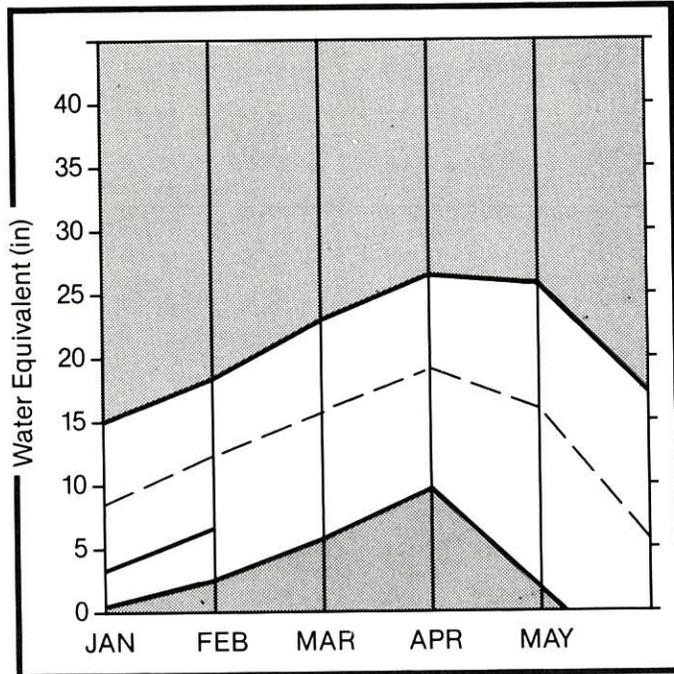
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
CAUSEY	6.9	4.1	1.8	2.2	OGDEN RIVER	4	57	63
EAST CANYON	48.1	41.9	41.4	34.7	WEBER RIVER	13	51	59
ECHO	73.9	62.8	58.6	45.8	WEBER & OGDEN WATERSHEDS	17	52	60
LOST CREEK	20.0	14.5	14.9	13.1				
PINEVIEW	110.1	67.8	75.2	49.6				
ROCKPORT	60.9	44.3	34.6	31.9				
WILLARD BAY	165.5	151.5	148.6	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:

February 1 snowpack ranges from 41% on the Provo River to 78% on Tooele Valley watersheds. Jordan River tributary watersheds have 72% of normal water content in the snowpack. Snowpack accumulation in the Utah Lake, Jordan River and Tooele Valley area, as a whole, is lagging about two months behind normal this year. Streamflow forecasts now range from 56% for Hobbie Creek to 105% for Utah Lake Inflow. Reservoir storage is above average for those reservoirs having established averages.

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

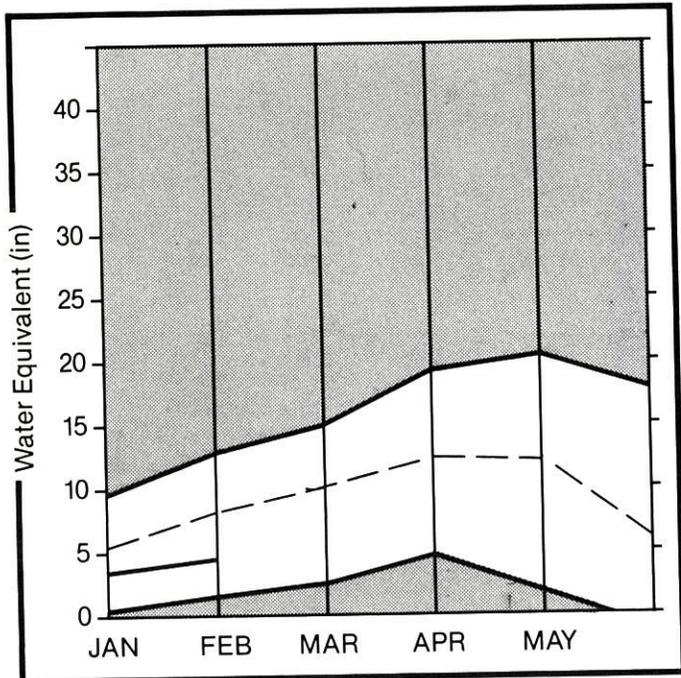
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
PROVO near Hailstone	APR-JUL	113.0	85.0	75	126.0	112	50.0	44
PROVO below Deer Creek Dam	APR-JUL	133.0	90.0	68	134.0	101	38.0	29
AMERICAN FORK near American Fk.	APR-JUL	34.0	28.0	82	36.0	106	22.0	65
HOBBLE CREEK near Springville	APR-JUL	23.3	13.0	56				
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	34.0	57	48.0	80	17.0	28
PAYSON CREEK near Payson	APR-JUL	7.3	4.5	62				
UTAH LAKE inflow	APR-JUL	295.0	310.0	105	410.0	139	204.0	69
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	33.0	80	40.0	98	25.0	61
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	38.0	97	44.0	113	31.0	79
PARLEY'S CREEK near SLC	APR-JUL	17.0	13.2	78	19.0	112	8.0	47
MILL CREEK near SLC	APR-JUL	6.9	7.0	101	10.0	145	5.0	72
EMIGRATION CREEK near SLC	APR-JUL	4.6	3.1	67				
CITY CREEK near SLC	APR-JUL	9.0	6.6	73	9.0	100	5.0	56
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.8	78	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	1.9	63	4.0	133	1.0	33
VERNON CREEK near Vernon	APR-JUN	1.2	0.7	60	1.5	120	0.2	19

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	149.7	121.0	134.0	94.3	PROVO RIVER & UTAH LAKE	10	39	40
GRANTSVILLE	3.3	2.6	1.9	---	PROVO RIVER	5	37	41
SETTLEMENT CREEK	1.0	0.8	0.8	0.5	JORDAN RIVER & GREAT SALT	5	77	72
STRAWBERRY-ENLARGED	951.4	687.0	509.0	---	TOOELE VALLEY WATERSHEDS	4	82	78
UTAH LAKE	883.9	893.2	1002.0	648.6	UTAH LAKE, JORDAN RIVER &	19	58	57
VERNON CREEK	0.6	0.3	0.2	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:

February 1 snowpack on the Uintas is about one month behind normal accumulation when taken as a whole. The north slope, however, is near normal with Sheep Creek at 105% and Black's Fork at 89%. The south slope, on the other hand, is well below average ranging from 74 to 36% of the February 1 average. Streamflow forecasts have decreased from last month and now range from 54 to 87% of average. Reservoir storage is excellent. End of January storage was 90% of capacity and 142% of average.

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

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

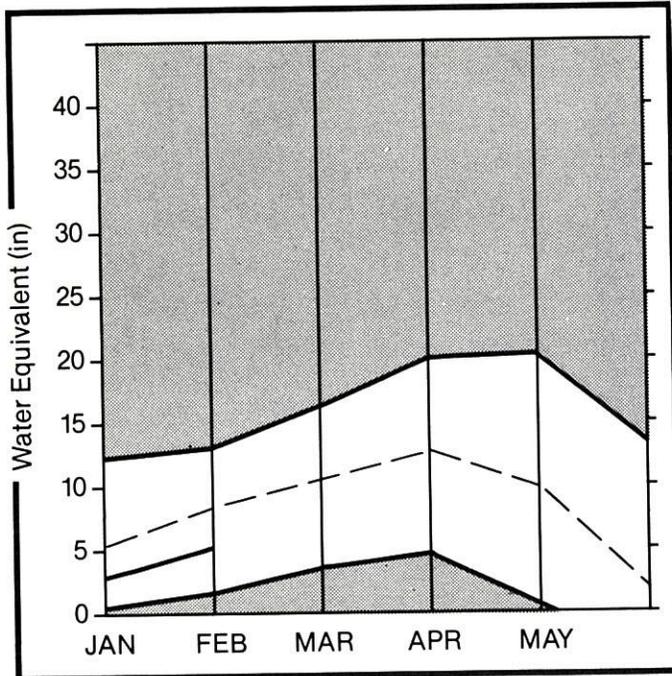
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	81.0	77	104.0	99	55.0	52
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	140.0	74	189.0	100	93.0	49
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	40.0	58	58.0	84	23.0	33
ROCK CREEK near Mountain Home	APR-JUL	95.0	76.0	80	104.0	109	55.0	58
CURRENT CREEK near Fruitland	APR-JUL	20.0	11.0	55	16.0	80	6.0	30
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	55.0	79	76.0	109	37.0	53
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	50.0	76	73.0	111	27.0	41
DUCHESNE near Myton	APR-JUL	223.0	160.0	72	240.0	108	55.0	25
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	43.0	72	67.0	112	19.0	32
UINTAH RIVER near Neola	APR-JUL	86.0	62.0	72	98.0	114	26.0	30
DUCHESNE near Randlett	APR-JUL	257.0	215.0	84	405.0	158	25.0	10
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	15.0	54	23.0	82	7.0	25
HENRY'S FORK near Manila	APR-SEP	51.0	34.0	67	56.0	110	17.0	33
BLACK'S FORK near Millburne	APR-JUL	90.0	71.0	79	105.0	117	41.0	46
FLAMING GORGE RESERVOIR inflow	APR-SEP	1445.0	1250.0	87	1685.0	117	860.0	60
ASHLEY CREEK near Vernal	APR-JUL	52.0	40.0	77	55.0	106	28.0	54

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.	AS % OF AVERAGE
FLAMING GORGE	3749.0	3100.4	3014.0	---	UPPER GREEN RIVER in UTAH	9	82	82
MOON LAKE	35.8	26.5	---	15.4	ASHLEY CREEK	2	61	53
RED FLEET	26.0	17.2	20.0	---	BLACK'S FORK RIVER	3	83	89
STEINAKER	33.3	32.1	31.3	19.7	SHEEP CREEK	2	104	105
STARVATION	165.3	152.1	147.0	113.0	DUCHESNE RIVER	15	47	57
STRAWBERRY-ENLARGED	951.4	687.0	509.0	---	LAKE FORK-YELLOWSTONE CRE	3	53	74
					STRAWBERRY RIVER	4	29	36
					UINTAH-WHITEROCKS RIVERS	3	48	58
					UINTAH BASIN & DAGGET SCD	24	56	64

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:

Snowpack on southeastern Utah watersheds, compared to the February 1 average, ranges from well below normal on Muddy Creek at 37% to near average on the La Sal Mountains at 95%. Streamflow forecasts are generally less than estimated a month ago with the exception of Mill Creek near Moab and the forecasts on the San Juan River which increased slightly. Reservoir storage ranges from 105% of average in Joe's Valley to 323% in Mill Site and averages 138% of normal in the four reservoirs of our sample.

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

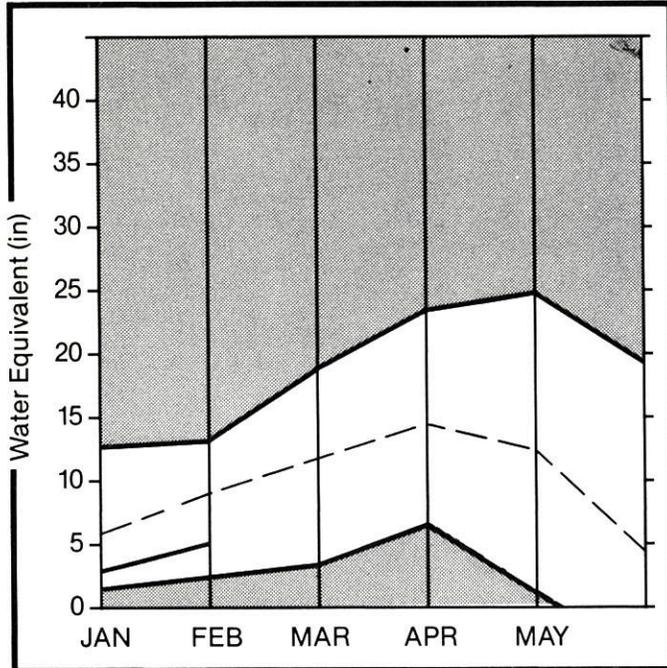
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	7.6	63	13.0	108	3.0	25
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	28.0	61	44.0	96	16.0	35
PRICE near Heiner	APR-JUL	78.0	48.0	62				
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	39.0	71	59.0	107	25.0	45
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	32.0	68	50.0	106	14.0	30
FERRON CREEK near Ferron	APR-JUL	41.0	26.0	63	43.0	105	9.0	22
MUDDY CREEK near Emery	APR-JUL	21.0	12.5	60	23.0	110	2.0	10
COLORADO near Cisco, UT	APR-JUL	3443.0	3800.0	110	5490.0	159	2500.0	73
GREEN near Green Rv., UT	APR-JUL	3176.0	3000.0	94	4050.0	128	1950.0	61
MILL CREEK near Moab	APR-JUL	5.5	5.2	95	8.0	145	3.0	55
NAVAJO RESERVOIR inflow	APR-JUL	764.0	875.0	115	1265.0	166	570.0	75
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1300.0	119	1920.0	176	800.0	73
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.0	77	8.0	123	2.0	31

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	
HUNTINGTON NORTH	3.9	3.5	2.8	2.3	PRICE RIVER	3	38	39
JOE'S VALLEY	54.6	45.9	45.0	43.6	SAN RAFAEL RIVER	7	42	48
KEN'S LAKE	2.3	0.7	1.1	---	MUDDY RIVER	2	32	37
MILL SITE	16.7	11.3	10.3	3.5	FREMONT RIVER	4	94	91
SCOFIELD	65.8	50.6	46.5	31.3	LASAL MOUNTAINS	2	85	95
					BLUE MOUNTAINS	2	76	74
					CARBON, EMERY, WAYNE, GRA	21	58	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.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Modest snowpack increases during January have not overcome this year's persistent poor snowpack. February 1 snowpack is reported 55% of average, an increase of 7% as compared to average from Jan 1st. Streamflow forecasts range from 37% of ave. on Oak Creek to a high of 157% of average on the Sevier near Gunnison, having dropped an average of 10% since Jan. 1st. Reservoir storage is currently 79% above the usual.

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	43.0	83	67.0	129	23.0	44
SEVIER near Circleville	APR-JUL	44.0	40.0	91				
SEVIER near Kingston	APR-JUL	34.0	25.0	74	58.0	171	10.0	29
ANTIMONY CREEK near Antimony	APR-JUL	8.9	7.1	80				
E F SEVIER near Kingston	APR-JUL	24.0	21.0	88	39.0	163	12.0	50
SEVIER blw Piute Dam	APR-JUL	56.0	46.0	82	95.0	170	10.0	18
CLEAR CREEK near Sevier	APR-JUL	22.0	13.1	60				
SIGURD to GUNNISON	APR-JUL	44.0	75.0	170	121.0	275	35.0	80
KINGSTON to VERMILLION DAM	APR-JUN	40.0	45.0	113				
VERMILLION DAM to GUNNISON	MAR-JUN	54.0	85.0	157				
SALINA CREEK at Salina	APR-JUN	18.2	8.5	47				
SEVIER nr Gunnison	APR-JUL	99.0	110.0	111				
CHALK CREEK near Fillmore	APR-JUL	16.4	7.3	45	15.0	91	3.0	18
CHICKEN CREEK near Levan	APR-JUL	3.5	2.2	63	4.0	114	1.0	29
CREEK near Oak City	APR-JUL	1.6	0.6	37	2.0	125	1.0	62
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	14.0	56				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	11.5	100				
SALT CREEK near Nephi	APR-JUL	13.5	8.1	60	20.0	148	3.0	22
BEAVER RIVER near Beaver	APR-JUL	27.0	19.1	71	37.0	137	6.0	22
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	10.7	73	23.0	158	3.0	21
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	6.2	70	12.0	135	2.0	22

RESERVOIR STORAGE (1000AF)

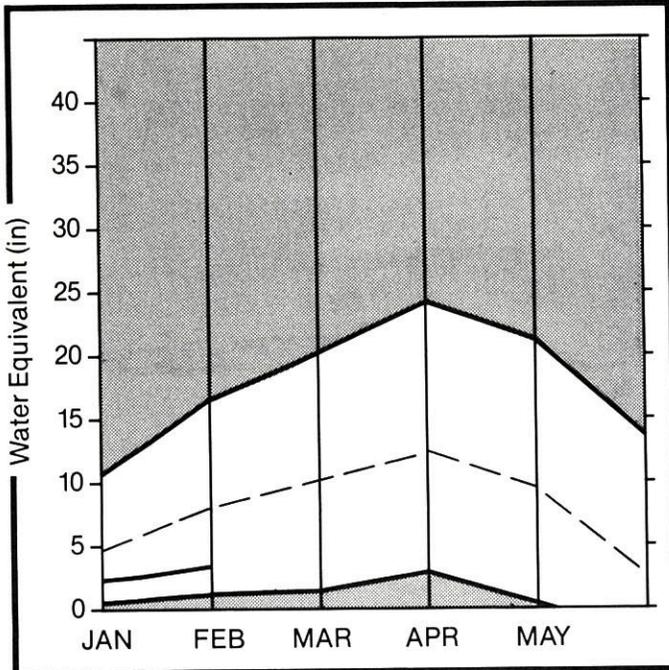
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
GUNNISON	20.3	20.3	16.8	11.7	UPPER SEVIER RIVER (south	11	70	58
MINERSVILLE (RkyFd)	26.0	18.7	19.1	11.2	EAST FORK SEVIER RIVER	4	79	67
OTTER CREEK	52.6	50.4	50.2	27.5	SOUTH FORK SEVIER RIVER	7	65	54
PIUTE	71.8	65.5	62.4	36.9	LOWER SEVIER RIVER (inclu	12	50	52
SEVIER BRIDGE	236.0	219.2	206.2	101.1	BEAVER RIVER	3	40	58
SQUITCH LAKE	22.3	17.2	19.1	---	SEVIER & BEAVER RIVER BAS	26	53	55

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:

Snowpack reported on February 1st. continues in a range of extremes in this part of Utah. The Escalante drainage is 56% above average while the Virgin River is 65% below the February 1 average water content. All other watersheds have one half or less of usual. Predictions of spring/summer runoff volumes are 5% above normal for Lake Powell while others are about 30% below normal.

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. MIN. (1000AF)	REAS. MIN. (% AVG.)
VIRGIN near Hurricane	APR-JUN	68.0	48.0	71	80.0	118	17.0	25
SANTA CLARA near Pine Valley	APR-JUN	5.0	3.5	70				
COAL CREEK near Cedar City	APR-JUL	20.0	13.1	66	22.0	110	7.0	35
LAKE POWELL inflow	APR-JUL	8086.0	8500.0	105	12000.0	148	5430.0	67

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **		AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
		THIS YEAR	LAST YEAR					
GUNLOCK	10.4	5.4	---	---	VIRGIN RIVER	5	46	35
LAKE POWELL	25002.0	21778.0	22750.0	---	PAROWAN	4	76	56
QUAIL CREEK		NO REPORT			ENTERPRISE TO NEW HARMONY	2	125	53
UPPER ENTERPRISE	10.0	2.9	---	---	COAL CREEK	3	52	42
LOWER ENTERPRISE	2.6	0.6	---	---	ESCALANTE RIVER	2	169	156
					E. GARFIELD, KANE, WASHIN	12	60	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.

SNOW DATA MEASUREMENTS

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500	no data	-	-	-	10.5
ATWOOD LAKE	10500	01/26	-	5.6E	9.5	7.5
BEAVER CREEK DIVIDE	8280	01/26	-	2.1E	8.7	8.9
BEAVER DAMS	8000	01/26	-	1.4E	6.9	7.7
BEN LOMOND PEAK	8000	01/26	-	18.4E	30.1	23.7
BEN LOMOND TRAIL	6000	01/26	-	7.4E	15.4	12.5
BEVAN'S CABIN	6450	02/02	25	7.6	6.3	5.5
BIG FLAT	10290	01/26	-	8.0E	16.8	11.2
BIRCH CROSSING	8100	01/26	12	1.7	3.7	4.9
BLACK'S FLAT-U.M. CK	9400	01/26	-	5.2E	7.1	7.3
BLACK'S FORK	9200	01/26	-	3.5E	10.0	8.4
BLACK'S FORK GS-EF	9340	01/26	-	4.9E	5.9	6.0
BLACK'S FORK JUNCTN	8930	01/26	-	4.8E	6.0	6.4
BOX CREEK	9300	01/26	-	2.8E	7.3	8.3
BRIAN HEAD	10000	01/26	-	8.0E	9.9	13.0
BRIGHTON	8750	02/02	47	13.9	-	22.9
BROWN DUCK RIDGE	10600	01/26	-	11.3E	15.5	13.2
BRYCE CANYON	8000	01/27	12	1.9E	1.8	3.4
BUCK FLAT	9800	01/26	-	5.0E	12.1	11.0
BUCK PASTURE	9700	no data	-	-	-	11.8
BUCKBOARD FLAT	9000	01/26	25	7.1	9.0	8.6
BUG LAKE	7950	01/26	-	7.1E	12.8	12.8
BURT'S-MILLER RANCH	7900	01/26	-	2.0E	3.9	3.7
CAMP JACKSON	8600	01/26	25	6.2	8.4	9.3
CASTLE VALLEY	9580	01/26	-	4.8E	6.7	8.1
CHALK CREEK #1	9100	01/26	-	10.1E	18.8	14.8
CHALK CREEK #2	8200	01/26	-	6.7E	11.1	9.6
CHALK CREEK #3	7500	01/26	-	3.4E	6.2	5.5
CHEPETA	10300	01/26	-	5.9E	11.6	9.1
CHEPETA-WHITERKS. LK	10350	no data	-	-	-	9.6
CLEAR CREEK MEADOWS	9420	no data	-	-	-	15.2
CLEAR CREEK RIDGE #1	9200	01/26	-	5.2E	11.1	12.5
CLEAR CREEK RIDGE #2	8000	01/26	-	3.5E	8.4	9.8
CLEAR CREEK RIDGE #3	6600	01/26	-	1.9E	5.0	5.7
CURRENT CREEK	8000	01/26	-	0.3E	9.7	7.4
DANIELS-STRAWBERRY	8000	01/26	-	2.0E	11.9	10.2
DESERET PEAK	9250	01/26	-	8.9E	-	17.5
DILL'S CAMP	9200	01/26	-	2.6E	9.0	7.9
DONKEY RESERVOIR	9800	01/26	-	8.8E	4.4	4.8
DRY BREAD POND	8350	01/26	-	8.6E	9.3	12.2
DUCK CREEK R.S.	8700	01/26	-	3.8E	6.6	8.8
EAST SHINGLE LAKE	9800	no data	-	-	-	18.4
FARMINGTON CANYON	8000	01/26	-	10.3E	22.7	19.7
FARMINGTON CANYON L.	6950	01/26	-	8.4E	17.5	14.9
FARNSWORTH LAKE	9600	01/26	-	9.3E	11.1	11.9
FISH LAKE	8700	01/26	-	3.8E	5.6	5.6
FIVE POINT LAKE	11000	01/26	-	7.9E	9.1	10.1
G.B.R.C. HEADQUARTER	8700	01/26	-	5.8E	10.8	10.4
G.B.R.C. MEADOWS	10000	01/26	-	8.7E	14.4	14.4
GARDEN CITY SUMMIT	7600	01/26	-	5.1E	10.7	11.8
GEORGE CREEK	8840	no data	-	-	-	-
GEORGE PEAK	9000	no data	-	-	-	18.2
GOOSEBERRY R.S.	8000	01/26	-	7.4E	8.0	7.4
HARDSCRABBLE	6700	01/26	-	4.2E	16.1	13.5
HARRIS FLAT	7700	01/26	-	1.5E	3.8	5.9
HAYDEN FORK	9400	01/26	-	5.4E	10.1	9.8
HENRY'S FORK	10000	no data	-	-	-	9.5
HEWINTA G.S.	9500	01/26	-	4.9E	6.0	6.1
HOLE-IN-THE-ROCK	9150	01/26	-	2.9E	4.0	4.0
HOLE-IN-THE-ROCK GS	8300	no data	-	-	-	1.7
HICKERSON PARK	9100	01/26	-	4.9E	3.8	5.0
HOBBLE CREEK SUMMIT	7420	01/26	-	4.2E	11.9	10.2
HORSE RIDGE	8260	01/26	-	8.8E	17.7	14.3
HUNTINGTON-HORSESHOE	9800	01/26	-	9.5E	22.5	16.1

SNOW DATA MEASUREMENTS (cont.)

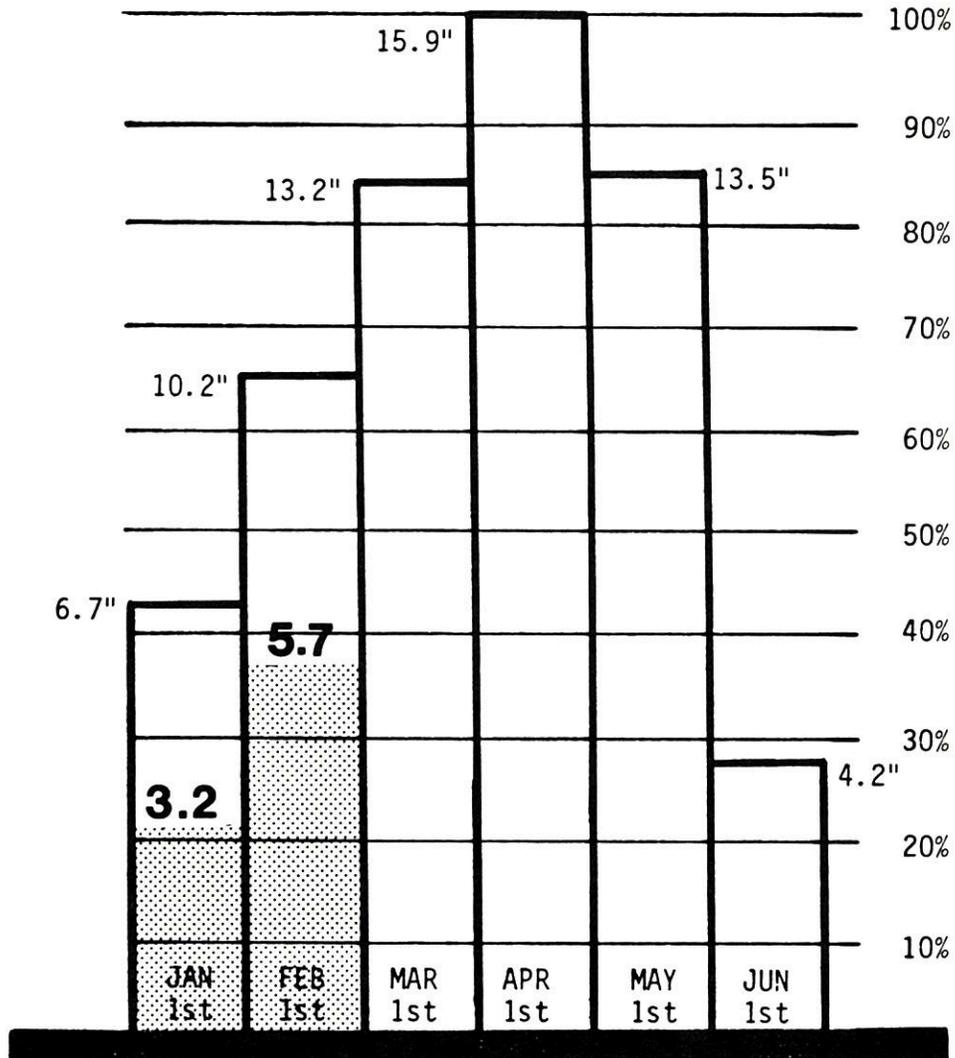
SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
INDIAN CANYON	9100	01/26	-	5.8E	8.7	8.4
JOHNSON VALLEY	8850	01/26	-	2.9E	4.9	5.0
KILFOIL CREEK	7300	01/26	-	6.1E	12.3	9.8
KIMBERLY MINE (UPPER)	9300	01/26	-	8.0E	11.3	9.8
KING'S CABIN (UPPER)	8730	01/26	-	4.3E	5.7	6.9
KLONDIKE NARROWS	7400	01/26	-	5.6E	12.6	13.4
KOLOB-CRYSTAL	9250	01/26	-	4.1E	10.9	13.9
LAKEFORK BASIN	11100	01/26	-	9.6E	11.6	13.2
LAKEFORK MOUNTAIN #1	10200	01/26	-	5.3E	11.6	7.2
LAKEFORK MOUNTAIN #3	8400	01/26	-	1.8E	7.5	4.6
LAMBS CANYON	7400	01/27	31	7.8	11.1	11.3
LASAL MOUNTAIN LOWER	8800	01/27	22	6.0	6.4	6.5
LASAL MOUNTAIN (UPP)	9850	01/26	41	10.8	13.4	11.1
LIGHTNING LAKE	10500	01/26	-	9.4E	19.5	15.2
LILY LAKE	9050	01/26	-	5.2E	12.9	9.6
LITTLE BEAR (LOWER)	6000	01/26	-	4.0E	9.9	7.7
LITTLE BEAR (UPPER)	6550	01/26	-	4.5E	11.3	8.7
LITTLE GRASSY CREEK	6100	01/26	-	1.0E	0.0	3.6
LONG FLAT	8000	01/26	-	3.5E	3.6	4.9
LONG VALLEY JCT.	7500	01/26	-	0.4E	2.3	4.3
LOST CREEK RESERVOIR	6130	01/26	-	2.1E	6.1	4.1
MAMMOTH-COTTONWOOD	8800	01/26	-	5.6E	19.5	14.0
MERCHANT VALLEY (UP)	8750	01/26	-	1.9E	10.5	7.7
MIDDLE BEAVER CREEK	8650	no data	-	-	-	3.0
MIDDLE CANYON	7000	02/02	33	8.8	8.9	8.7
MIDWAY VALLEY	9800	01/26	-	9.0E	10.9	13.4
MILL CREEK	6950	01/29	39	10.2	11.5	12.3
MILL D SOUTH FORK	7400	01/29	38	10.0	10.8	13.0
MOUNT CRISTO R.S.	8960	01/26	-	6.4E	16.5	16.1
MOSBY MOUNTAIN (LOW)	9500	01/26	-	3.1E	7.7	6.5
MT. BALDY R.S.	9500	01/26	-	7.6E	15.7	15.3
MUD CREEK #2	8600	01/26	-	3.7E	8.0	9.2
OAK CREEK	7760	01/26	-	3.6E	8.4	7.9
ONE MILE SUMMIT	7330	no data	-	-	-	3.8
OTTER LAKE	9600	01/26	-	6.0E	12.9	8.4
PANQUITCH LAKE	8200	01/26	-	1.7E	3.0	4.1
PARADISE PARK	10100	01/26	-	5.3E	10.4	9.2
PARLEY'S CANYON SUM.	7500	01/27	33	8.3	11.4	12.4
PAYSON R.S.	8050	01/26	-	5.2E	11.6	12.2
PICKLE KEG SPRING	9600	01/26	-	4.8E	10.4	10.2
PINE CANYON	8000	01/26	-	7.1E	13.7	13.2
PINE CREEK	8800	01/26	-	3.5E	12.1	11.5
REDDEN MINE LOWER	8500	01/26	-	6.7E	12.7	11.5
RED PINE RIDGE	9200	01/26	-	6.4E	11.3	11.0
REES'S FLAT	7300	01/26	-	4.8E	9.9	8.8
REYNOLDS PARK	10400	no data	-	-	-	10.7
ROCK CREEK	7900	01/26	-	0.7E	7.7	5.7
ROCKY BASIN-SETTLEMT	8900	02/02	45	12.4	15.2	18.9
SEELEY CREEK R.S.	10000	01/26	-	4.0E	11.0	10.3
SERGEANT LAKES	8300	no data	-	-	-	-
SHINGLE MILL	6200	01/27	13	2.9	4.8	6.4
SILVER LAKE (BRIGHT.)	8730	01/29	43	10.6E	15.8	16.1
SMITH & MOREHOUSE	7600	01/26	-	5.2E	9.9	8.9
SNOWBIRD GAD VALLEY	9700	no data	-	-	25.6	24.6
SOAPSTONE R.S.	7800	01/26	-	2.7E	8.0	8.5
SPIRIT LAKE	10300	01/26	-	8.5E	9.1	7.8
SQUAW SPRINGS	9300	01/26	-	1.2E	4.1	4.7
STEEL CREEK PARK	10100	01/26	-	10.7E	12.6	10.5
STILLWATER CAMP	8550	01/26	-	3.9E	7.3	7.0
STRAWBERRY DIVIDE	8400	02/02	25	5.7	16.5	12.8
SWART R.S.	7950	01/26	-	2.0E	6.3	6.2
SWAN RANCH	8200	01/26	10	1.8	4.8	5.8
TALL POLES	8800	01/26	28	4.9	5.8	9.1
THAYNES CANYON	9200	02/03	43	11.5	15.5	-

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
THISTLE FLAT	8500	no data	-	-	-	9.9
TIMPANOGOS DIVIDE	8140	01/26	-	10.4E	18.0	16.9
TONY GROVE LAKE	8400	01/26	-	9.5E	23.8	24.2
TONY GROVE R.S.	8250	01/26	-	3.3E	9.1	8.9
TRIAL LAKE	9960	01/26	-	7.5E	19.5	16.1
TROUT CREEK	9400	01/26	-	3.1E	6.4	7.0
UPPER JONES VALLEY	8900	01/26	-	3.1E	6.9	7.0
VERNON CREEK	7500	02/02	14	3.1	8.4	7.7
VIPONI	7670	no data	-	-	-	10.1
WEBSTER FLAT	9200	01/26	-	1.8E	8.4	10.9
WHITE RIVER #1	8550	01/26	-	3.8E	10.3	9.4
WHITE RIVER #3	7400	01/26	-	2.1E	6.9	6.3
WIDTSOE-ESCALANTE #3	9500	01/26	-	9.8E	6.6	7.1
WRIGLEY CREEK	9000	01/26	-	2.7E	8.3	7.1
YANKEE RESERVOIR	8700	01/26	-	4.1E	5.2	6.1

Utah Snowpack Progress

1987



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.





United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

March 1, 1987



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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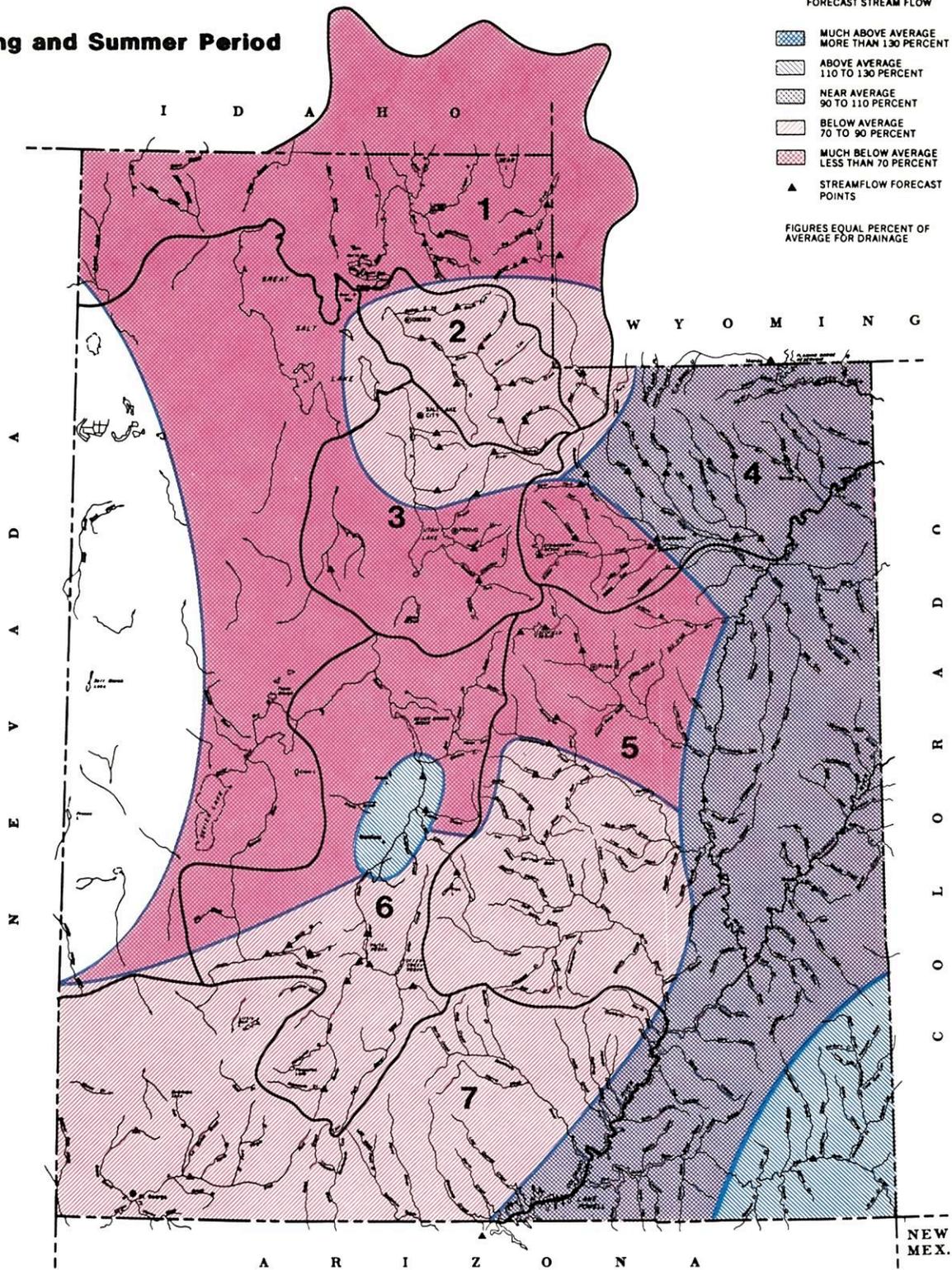
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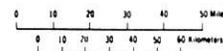
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
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- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON, & IRON CO.



GENERAL OUTLOOK

SUMMARY:

Heavy, late February snowfall improved the snowpack in southern and eastern Utah but only brought the snowpack up to 70-80% of normal for March 1. Northern Utah watersheds have only 65-70% of normal snow water. Streamflow forecasts remain generally below average but reservoir storage is above average in most areas.

SNOWPACK:

The snowpack across the State increased 10% more than usual during February. The increases, however, were not evenly distributed. Bear and Weber River watersheds only received about 80% of the usual February increase while southeastern Utah received almost 75% more than the normal increase during the month. Snow surveys conducted near March 1 indicate the snowpack is still below to much below normal in most areas of the State. Increases ranging from 171 to 336% of normal would be required in March just to bring the snowpack to average by the first of April. With normal increases in March the April 1 snowpack will only range from 64 to 87% of average across the State.

PRECIPITATION:

Precipitation at mountain stations ranged from generally below normal on the Bear and Weber River watersheds to above to much above normal over the remainder of the State. Valley precipitation ranged from less than 50% of normal on some of the stations in northeastern Utah to almost 250% of normal in the southeastern area of the State. Seasonal precipitation, October-February, ranges from less than 50% on a strip from Bear Lake south to the Spanish Fork drainage to 50-80% in western and the remainder of northern Utah. The eastern half of the State ranges from near to above normal.

RESERVOIRS:

Stored water in 26 key reservoirs in Utah is 127% of average for the end of February. All reservoirs sampled which have established averages were above average except Hyrum which was 93% of average. About one-quarter of the reservoirs sampled were reported as full. The only area where filling is doubtful and water shortages are likely is in extreme southwestern Utah where late February storms have helped but much more is needed.

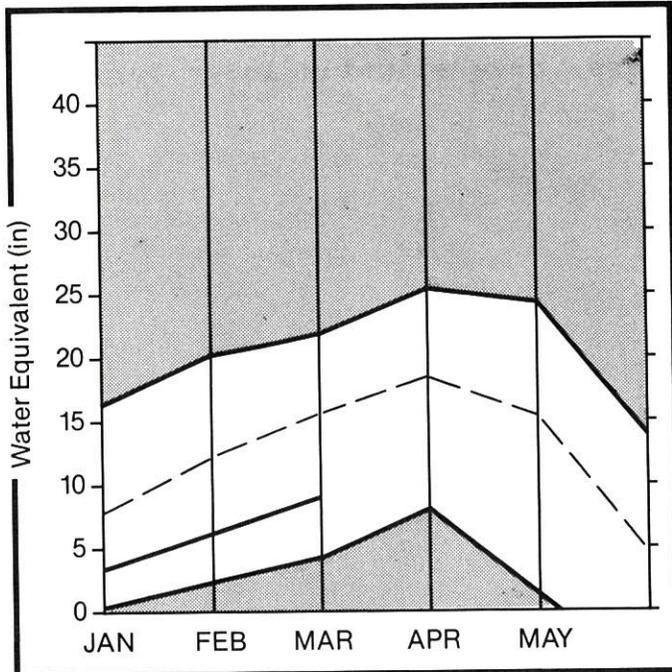
STREAMFLOW:

Forecasts of spring and summer streamflow are still generally below to much below average. Some stations on the Sevier are still forecast above average, however, as are the Colorado and San Juan Rivers. Most forecasts are slightly higher than last month but forecasts on the Ogden, Provo R.-Utah Lake, Jordan, and Price Rivers have been reduced. Major streams which originate outside of Utah, namely the Colorado, Green and San Juan Rivers, have slightly lower forecasts than a month ago.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed increased only about 80% as much as usual during February. March 1 snow surveys indicate Bear River snowpack is only 57% of average. Logan River snowpack is 48% of normal. Streamflow forecasts are generally the same or slightly greater than last month with the exception of Cub River which decreased slightly. Forecasts range from 27 to 82% of average. Reservoir storage is good with all reservoirs near to much above average for the end of February.

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

BEAR RIVER BASIN

STREAMFLOW FORECASTS

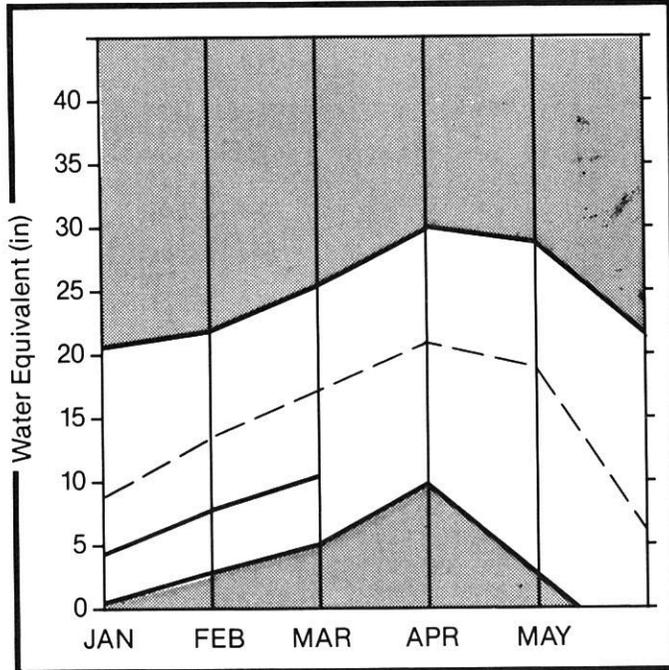
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	95.0	82	121.0	104	74.0	64
BEAR near Woodruff	APR-JUL	144.0	88.0	61	144.0	100	55.0	38
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	9.5	55	14.0	81	5.0	29
BIG CREEK near Randolph	APR-JUL	5.3	3.0	57	6.0	113	1.0	19
BEAR near Randolph	APR-JUL	126.0	70.0	56	141.0	112	25.0	20
THOMAS FORK near Stateline	APR-SEP	37.0	10.0	27	19.0	51	1.0	3
SMITHS FORK near Border	APR-SEP	122.0	65.0	53	94.0	77	36.0	30
BEAR RIVER near Harer	APR-SEP	326.0	150.0	46	241.0	74	72.0	22
LOGAN RIVER near Logan	APR-JUL	122.0	80.0	66	103.0	84	59.0	48
BLACKSMITH FORK near Hyrum	APR-JUL	57.0	35.0	61	54.0	95	17.0	30
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	27.0	64	43.0	102	11.0	26
CUB RIVER near Preston	APR-JUL	46.8	25.0	53	43.0	92	14.0	30

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	
BEAR LAKE	1421.0	1051.5	1057.7	992.5	BEAR RIVER, UPPER IN UTAH	6	47	68
HYRUM	15.3	10.0	10.7	10.8	BEAR RIVER, LOWER IN UTAH	8	35	52
PORCUPINE	11.3	10.8	9.3	3.7	BEAR RIVER DRAINAGE IN UT	13	38	57
WOODRUFF NARROWS	55.8	50.0	34.2	---	BEAR RIVER, UPPER (above	12	44	64
WOODRUFF CREEK	3.5	3.6	---	---	BEAR RIVER, LOWER (below	17	34	52
					BEAR RIVER DRAINAGE	27	37	56
					LOGAN RIVER	5	32	48
					RAFT RIVER	3	51	63
					BEAR RIVER BASIN	32	39	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:

Weber River snowpack, relative to average, is slightly improved from last month. The Ogden River, however, went from 63% of average on February 1 to 56% on March 1. April 1 snowpack will only end up at 70% of average if March precipitation is normal. Forecasts of spring and summer streamflow followed the snowpack trends. Weber River forecasts increased slightly while forecasts on the Ogden River decreased. Forecasts range from 64 to 87% of average. Reservoir storage is 82% of capacity and 135% 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

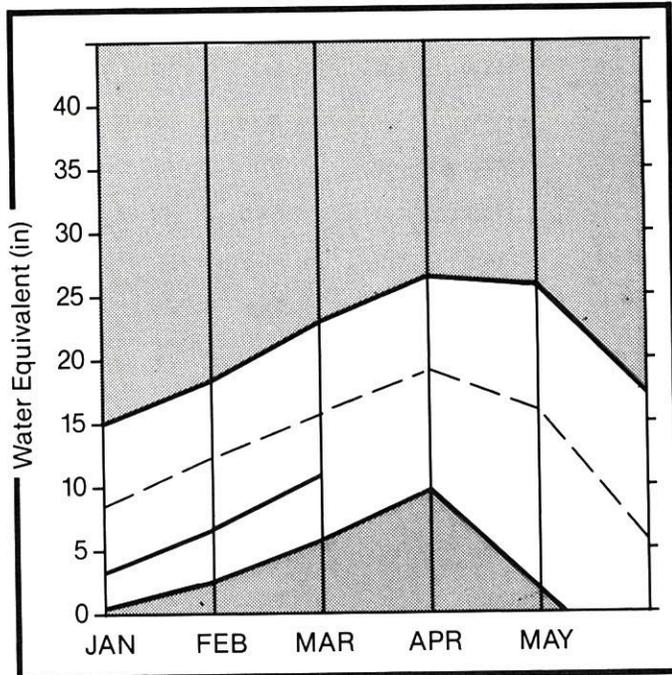
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEBER RIVER near Oakley	APR-JUN	107.0	85.0	79	112.0	105	61.0	57
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	86.0	72	128.0	107	50.0	42
CHALK CREEK near Coalville	APR-JUN	41.0	32.0	78	45.0	110	20.0	49
WEBER RIVER near Coalville	APR-JUN	127.0	91.0	72	128.0	101	58.0	46
LOST CREEK near Croyden	APR-JUN	15.6	11.0	71	18.0	115	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	21.0	72	31.0	107	13.0	45
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	16.0	87	25.0	136	7.0	38
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	40.0	69	54.0	93	24.0	41
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	78.0	64	102.0	84	49.0	40
WHEELER CREEK near Huntsville	APR-JUN	6.3	4.2	67	5.0	79	3.0	48
ECHO RESERVOIR inflow	APR-JUN	163.0	120.0	74	167.0	102	78.0	48
WEBER RIVER at Gateway	APR-JUN	328.0	225.0	69	300.0	91	150.0	46
FARMINGTON CREEK near Farmington	APR-JUL	8.2	5.7	70	10.0	122	2.0	24

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	
CAUSEY	6.9	4.4	3.5	2.3	OGDEN RIVER	4	39	56
EAST CANYON	48.1	43.6	43.5	35.6	WEBER RIVER	14	46	67
ECHO	73.9	63.4	46.0	49.5	WEBER & OGDEN WATERSHEDS	18	44	64
LOST CREEK	20.0	17.6	12.3	13.4				
PINEVIEW	110.1	63.8	94.7	48.7				
ROCKPORT	60.9	42.0	39.8	30.2				
WILLARD BAY	165.5	164.8	154.8	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:

Snowpack increased 26% more than usual during February over the Utah Lake-Jordan River and Tooele Valley watersheds. Snowpack now ranges from 58% of the March 1 average on the Provo River to 89% for the Tooele Valley watersheds. Streamflow forecasts are generally slightly less or equal to last month with the exception of Strawberry Res. Inflow which increased slightly. Forecasts range from 50 to 96% of average. Reservoir storage is 130% of the end of February 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.)
PROVO near Hailstone	APR-JUL	113.0	82.0	73	115.0	102	55.0	49
PROVO below Deer Creek Dam	APR-JUL	133.0	90.0	68	125.0	94	51.0	38
AMERICAN FORK near American Fk.	APR-JUL	34.0	27.0	79	33.0	97	23.0	68
HOBBLE CREEK near Springville	APR-JUL	23.3	12.0	52				
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	41.0	68	54.0	90	27.0	45
PAYSON CREEK near Payson	APR-JUL	7.3	4.5	62				
UTAH LAKE inflow	APR-JUL	295.0	280.0	95	363.0	123	200.0	68
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	30.0	73	37.0	90	25.0	61
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	36.0	92	40.0	103	29.0	74
PARLEY'S CREEK near SLC	APR-JUL	17.0	12.5	74	18.0	106	9.0	53
MILL CREEK near SLC	APR-JUL	6.9	6.6	96	9.0	130	5.0	72
EMIGRATION CREEK near SLC	APR-JUL	4.6	2.6	57				
CITY CREEK near SLC	APR-JUL	9.0	6.3	70	8.0	89	5.0	56
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.8	78	3.0	130	0.5	22
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	1.9	63	4.0	133	0.5	17
VERNON CREEK near Vernon	APR-JUN	1.2	0.6	50	1.3	107	0.2	16

RESERVOIR STORAGE (1000AF)

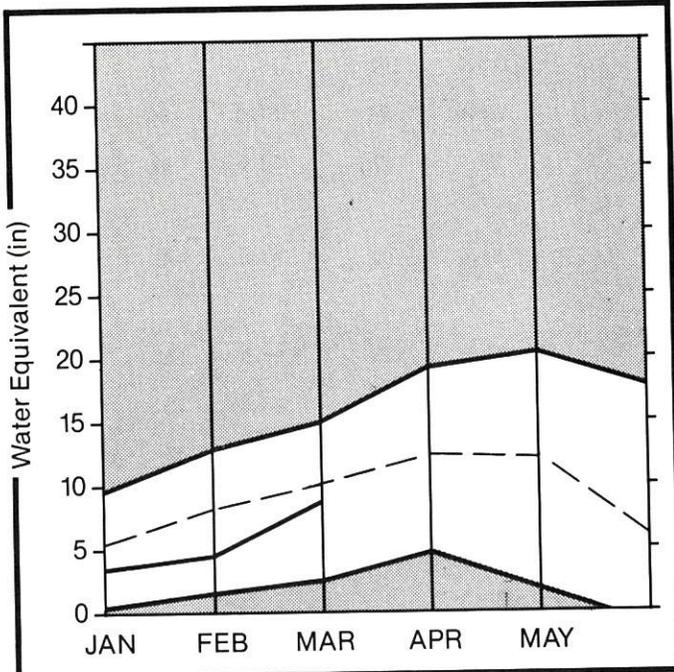
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
DEER CREEK	149.7	130.1	139.3	95.5	PROVO RIVER & UTAH LAKE	10	41	56
GRANTSVILLE	3.3	3.2	2.3	---	PROVO RIVER	5	37	58
SETTLEMENT CREEK	1.0	0.9	0.8	0.5	JORDAN RIVER & GREAT SALT	6	67	81
STRAWBERRY-ENLARGED	951.4	689.3	354.7	---	TOOELE VALLEY WATERSHEDS	4	104	89
UTAH LAKE	883.9	893.0	1058.7	689.4	UTAH LAKE, JORDAN RIVER &	20	58	71
VERNON CREEK	0.6	0.6	0.5	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:

Snowpack increase during February was 157% of normal. March 1 snowpack on the Uintas ranges from 47% of average on the Strawberry River to 126% of average on Sheep Creek. Streamflow forecasts for streams originating in Utah have generally increased from the levels forecast last month reflecting the improved snowpack picture. Forecasts range from 61 to 105% of average. Reservoir storage in reservoirs for which an average is established ranges from 143 to 166% of normal for this time of year.

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.)
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	88.0	84	105.0	100	68.0	65
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	154.0	81	192.0	102	116.0	61
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	42.0	61	56.0	81	28.0	41
ROCK CREEK near Mountain Home	APR-JUL	95.0	84.0	88	107.0	113	67.0	71
CURRANT CREEK near Fruitland	APR-JUL	20.0	13.5	68	18.0	90	9.0	45
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	62.0	89	80.0	114	47.0	67
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	62.0	94	86.0	130	38.0	58
DUCHESNE near Myton	APR-JUL	223.0	165.0	74	234.0	105	78.0	35
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	63.0	105	88.0	147	38.0	63
UINTAH RIVER near Neola	APR-JUL	86.0	83.0	97	118.0	137	48.0	56
DUCHESNE near Randlett	APR-JUL	257.0	200.0	78	382.0	149	18.0	7
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	20.0	71	25.0	89	14.0	50
HENRY'S FORK near Manila	APR-SEP	51.0	47.0	92	67.0	131	31.0	61
BLACK'S FORK near Millburne	APR-JUL	90.0	78.0	87	110.0	122	50.0	56
FLAMING GORGE RESERVOIR inflow	APR-SEP	1445.0	1100.0	76	1476.0	102	768.0	53
ASHLEY CREEK near Vernal	APR-JUL	52.0	51.0	98	64.0	123	41.0	79

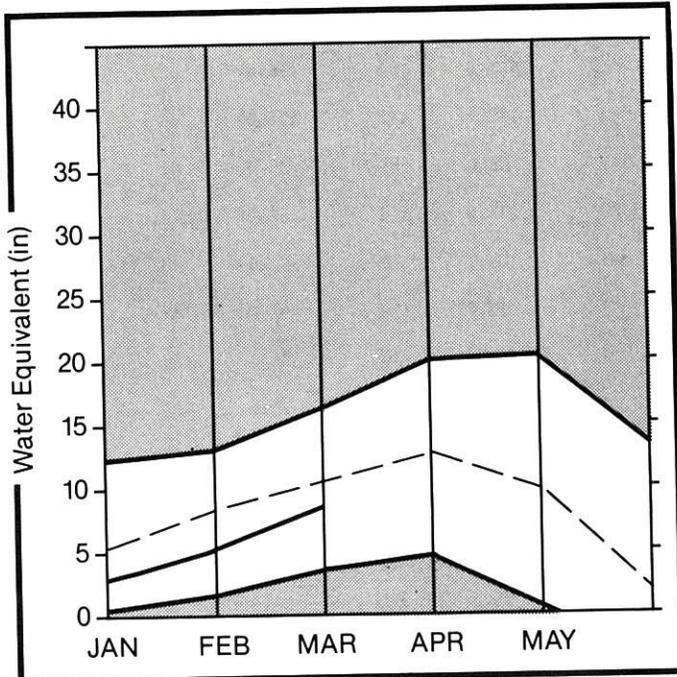
RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
FLAMING GORGE	3749.0	2969.3	2958.0	---	UPPER GREEN RIVER in UTAH	13	77	95
MOON LAKE	35.8	27.9	21.8	16.8	ASHLEY CREEK	2	71	85
RED FLEET	26.0	17.5	20.7	---	BLACK'S FORK RIVER	3	76	96
STEINAKER	33.3	32.2	32.6	21.1	SHEEP CREEK	2	114	126
STARVATION	165.3	160.3	147.3	112.1	DUCHESNE RIVER	16	46	71
STRAWBERRY-ENLARGED	951.4	689.3	354.7	---	LAKE FORK-YELLOWSTONE CRE	3	45	82
					STRAWBERRY RIVER	4	31	47
					UINTAH-WHITEROCKS RIVERS	4	54	82
					UINTAH BASIN & DAGGET SCD	29	57	80

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 improved during February especially on the Blues and La Sals where the snowpack is now greater than average for March 1. Snowpack now ranges from 51% of average on the Price River to 132% on the La Sal Mountains. Streamflow forecasts for Utah streams north of Cottonwood Creek have decreased while those south of Cottonwood Creek have increased from last month. Forecasts now range from 46 to 119% of average. All reservoirs for which data are available are reporting above average.

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

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

STREAMFLOW FORECASTS

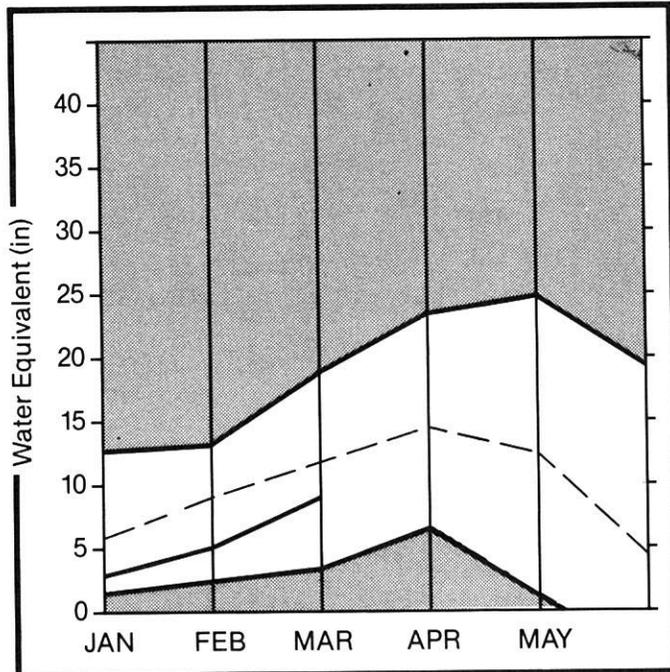
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	6.6	55	11.0	92	3.0	25
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	24.0	52	36.0	78	14.0	30
PRICE near Heiner	APR-JUL	78.0	36.0	46				
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	33.0	60	48.0	87	23.0	42
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	32.0	68	48.0	102	16.0	34
FERRON CREEK near Ferron	APR-JUL	41.0	28.0	68	43.0	105	13.0	32
MUDDY CREEK near Emery	APR-JUL	21.0	15.0	71	23.0	110	7.0	33
COLORADO near Cisco, UT	APR-JUL	3443.0	3500.0	102	4877.0	142	2433.0	71
GREEN near Green Rv., UT	APR-JUL	3176.0	2800.0	88	3658.0	115	1942.0	61
MILL CREEK near Moab	APR-JUL	5.5	6.0	109	8.0	145	4.0	73
NAVAJO RESERVOIR inflow	APR-JUL	764.0	825.0	108	1138.0	149	558.0	73
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1300.0	119	1813.0	166	875.0	80
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.5	85	8.0	123	3.0	46

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	2.9	3.0	PRICE RIVER 3 37 51
JOE'S VALLEY	54.6	45.8	38.3	44.6	SAN RAFAEL RIVER 7 48 63
KEN'S LAKE	2.3	0.9	1.3	---	MUDDY RIVER 2 46 56
MILL SITE	16.7	12.0	9.2	4.0	FREMONT RIVER 4 85 91
SCOFIELD	65.8	52.7	49.3	32.2	LASAL MOUNTAINS 2 130 132
					BLUE MOUNTAINS 2 107 105
					WILLOW CREEK - WHITE RIVE 0 0 0
					CARBON, EMERY, WAYNE, GRA 21 65 78

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:

Snowpack on the Sevier River watershed increased 30% more than usual during February. If March precipitation is normal April 1 snowpack should be about 80% of average. Snowpack percentages now range from 68% on the Lower Sevier to 89% on the East Fork. Water supply forecasts have generally increased from last month except for Ephraim Creek and Pleasant Creek which are substantially less. Reservoir storage is reported at 95% of capacity and 176% of average. Gunnison and Otter Creek are full.

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

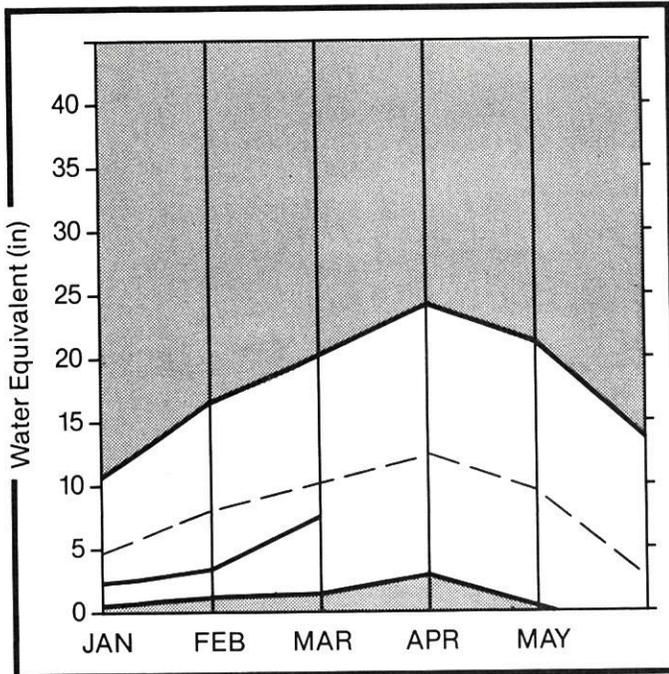
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	45.0	87	65.0	125	29.0	56
SEVIER near Circleville	APR-JUL	44.0	41.0	93				
SEVIER near Kingston	APR-JUL	34.0	27.0	79	54.0	159	7.0	21
ANTIMONY CREEK near Antimony	APR-JUL	8.9	7.1	80				
E F SEVIER near Kingston	APR-JUL	24.0	23.0	96	38.0	158	14.0	58
SEVIER blw Piute Dam	APR-JUL	56.0	50.0	89	87.0	155	19.0	34
CLEAR CREEK near Sevier	APR-JUL	22.0	15.0	68				
SIGURD to GUNNISON	APR-JUL	44.0	76.0	173	116.0	264	39.0	89
KINGSTON to VERMILLION DAM	APR-JUN	40.0	50.0	125				
VERMILLION DAM to GUNNISON	MAR-JUN	54.0	86.0	159				
SALINA CREEK at Salina	APR-JUN	18.2	9.1	50				
SEVIER nr Gunnison	APR-JUL	99.0	120.0	121				
CHALK CREEK near Fillmore	APR-JUL	16.4	10.0	61	16.0	98	4.0	24
CHICKEN CREEK near Levan	APR-JUL	3.5	2.2	63	3.0	86	1.0	29
_____ CREEK near Oak City	APR-JUL	1.6	0.8	50	2.0	125	0.3	19
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	10.5	42				
PLEASANT CREEK near Pleasant	APR-JUL	11.5	5.5	48				
SALT CREEK near Nephi	APR-JUL	13.5	8.8	65	19.0	141	4.0	30
BEAVER RIVER near Beaver	APR-JUL	27.0	22.0	81	36.0	133	10.0	37
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	12.4	85	24.0	164	1.0	7
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	8.0	90	12.0	135	4.0	45

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
GUNNISON	20.3	20.3	18.0	14.0	UPPER SEVIER RIVER (south	11	95	84
MINERSVILLE (RkyFd)	26.0	21.0	20.2	12.9	EAST FORK SEVIER RIVER	4	101	89
OTTER CREEK	52.6	52.6	52.0	31.2	SOUTH FORK SEVIER RIVER	7	93	81
PIUTE	71.8	63.6	66.7	41.5	LOWER SEVIER RIVER (inclu	12	66	68
SEVIER BRIDGE	236.0	227.6	231.9	119.6	BEAVER RIVER	3	53	77
QUITCH LAKE	22.3	17.5	19.2	---	SEVIER & BEAVER RIVER BAS	26	72	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:

During February the snowpack in southwestern Utah increased 74% more than usual bringing the regional snowpack to 73% of average for March 1. The heavy storm in the last week of the month raised individual snow course percentages from 12 to 68% from pre-storm levels with the greatest increases occurring on the Enterprise-New Harmony drainages. Local streamflow forecasts now range from 70 to 74% of average. Gunlock and Quail Creek reservoirs are up to about 60% of capacity.

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

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
VIRGIN near Hurricane	APR-JUN	68.0	50.0	74	75.0	110	23.0	34
SANTA CLARA near Pine Valley	APR-JUN	5.0	3.6	72				
COAL CREEK near Cedar City	APR-JUL	20.0	14.0	70	22.0	110	9.0	45
LAKE POWELL inflow	APR-JUL	8086.0	7500.0	93	10411.0	129	4993.0	62

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.	% OF AVERAGE
GUNLOCK	10.4	6.4	---	---	VIRGIN RIVER	5	72	60
LAKE POWELL	25002.0	21570.0	22446.0	---	PARDWAN	4	124	95
QUAIL CREEK	40.0	24.0	---	---	ENTERPRISE TO NEW HARMONY	2	169	54
UPPER ENTERPRISE		NO REPORT			COAL CREEK	3	75	65
LOWER ENTERPRISE		NO REPORT			ESCALANTE RIVER	2	167	160
					E. GARFIELD, KANE, WASHIN	12	95	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.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500	03/04	48	10.1	14.9	13.6
ATWOOD LAKE	10500	03/04	39	8.6	13.8	9.7
BEAVER CREEK DIVIDE	8280	02/28	29	7.1	17.9	10.8
BEAVER DAMS	8000	02/25	28	7.0	10.4	10.5
BEN LOMOND PEAK	8000	02/26	74	20.8	47.7	31.2
BEN LOMOND TRAIL	6000	02/26	38	10.2	22.5	16.7
BEVAN'S CABIN	6450	03/02	36	11.1	3.8	8.8
BIG FLAT	10290	02/22	44	13.5	22.2	14.5
BIRCH CROSSING	8100	03/05	22	5.0	3.7	6.4
BLACK'S FLAT-U.M. CK	9400	02/25	32	7.0	10.8	9.4
BLACK'S FORK	9200	03/01	-	6.8E	13.9	11.5
BLACK'S FORK GS-EF	9340	03/01	26	6.5	9.3	7.6
BLACK'S FORK JUNCTN	8930	03/01	28	6.6	8.9	7.6
BOX CREEK	9300	02/27	33	7.5	10.8	11.4
BRIAN HEAD	10000	02/27	67	17.1	14.8	16.5
BRIGHTON	8750	02/26	63	17.6	-	29.3
BROWN DUCK RIDGE	10600	02/28	63	13.8	28.4	16.9
BRYCE CANYON	8000	03/05	18	3.7	1.0	4.6
BUCK FLAT	9800	02/26	42	9.0	18.5	14.8
BUCK PASTURE	9700	03/04	45	10.8	18.0	13.5
BUCKBOARD FLAT	9000	03/03	50	13.0	10.0	10.8
BUG LAKE	7950	02/26	38	8.9	27.8	15.5
BURT'S-MILLER RANCH	7900	02/28	17	3.8	5.5	4.6
CAMP JACKSON	8600	02/25	49	10.4	11.8	11.5
CASTLE VALLEY	9580	02/27	48	10.3	9.7	11.4
CHALK CREEK #1	9100	02/28	56	15.3	30.9	18.7
CHALK CREEK #2	8200	02/28	40	10.2	17.5	12.2
CHALK CREEK #3	7500	02/28	22	5.4	8.3	6.7
CHEPETA	10300	02/28	45	9.2	16.6	10.6
CHEPETA-WHITERKS. LK	10350	03/04	47	9.2	16.2	12.6
CLEAR CREEK MEADOWS	9420	2/27	58	13.8	24.0	19.3
CLEAR CREEK RIDGE #1	9200	02/27	37	8.6	21.3	16.2
CLEAR CREEK RIDGE #2	8000	02/27	32	7.3	13.6	12.3
CLEAR CREEK RIDGE #3	6600	02/26	14	3.1	7.8	7.5
CURRENT CREEK	8000	02/27	18	3.4	13.7	8.9
DANIELS-STRAWBERRY	8000	02/27	21	5.3	20.6	12.9
DESERET PEAK	9250				-	22.2
DILL'S CAMP	9200	02/26	32	5.6	13.2	10.6
DONKEY RESERVOIR	9800	02/27	52	12.1	6.2	6.7
DRY BREAD POND	8350	02/26	25	5.6	24.0	16.0
DUCK CREEK R.S.	8700	03/01	-	9.8E	10.8	11.8
EAST SHINGLE LAKE	9800	03/04	51	14.3	-	22.8
EAST WILLOW CREEK	8250	03/02	27	6.0	-	9.9
FARMINGTON CANYON	8000	02/26	57	16.4	35.1	26.1
FARMINGTON CANYON L.	6950	02/26	48	13.4	25.7	20.0
FARNSWORTH LAKE	9600	02/25	60	15.7	13.6	15.5
FISH LAKE	8700	02/25	23	5.0	8.2	7.4
FIVE POINT LAKE	11000	03/04	54	12.4	20.2	13.1
G.B.R.C. HEADQUARTER	8700	02/26	40	10.1	16.1	14.2
G.B.R.C. MEADOWS	10000	02/26	55	13.3	22.3	20.0
GARDEN CITY SUMMIT	7600	02/26	28	5.6	24.9	15.4
GEORGE CREEK	8840	2/27	54	12.4	23.2	-
GOOSEBERRY R.S.	8000	02/25	36	8.6	8.6	10.1
HARDSCRABBLE	6700	02/26	36	9.6	23.0	17.0
HARRIS FLAT	7700	02/27	26	6.1	7.0	7.9
HAYDEN FORK	9400	02/28	36	9.3	18.8	12.9
HENRY'S FORK	10000	03/04	40	10.8	13.2	11.3
HEWINTA G.S.	9500	03/01	31	7.7	9.5	7.5
HOLE-IN-THE-ROCK	9150	02/28	25	5.2	5.8	4.5
HOLE-IN-THE-ROCK GS	8300				-	2.3
HICKERSON PARK	9100	02/28	32	6.7	6.4	5.5
HOBBLE CREEK SUMMIT	7420	02/27	25	5.6	18.4	12.9
HORSE RIDGE	8260	02/26	40	10.4	30.3	18.9
HUNTINGTON-HORSESHOE	9800	02/26	46	13.0	27.5	21.3

SNOW MEASUREMENT DATA (cont.)

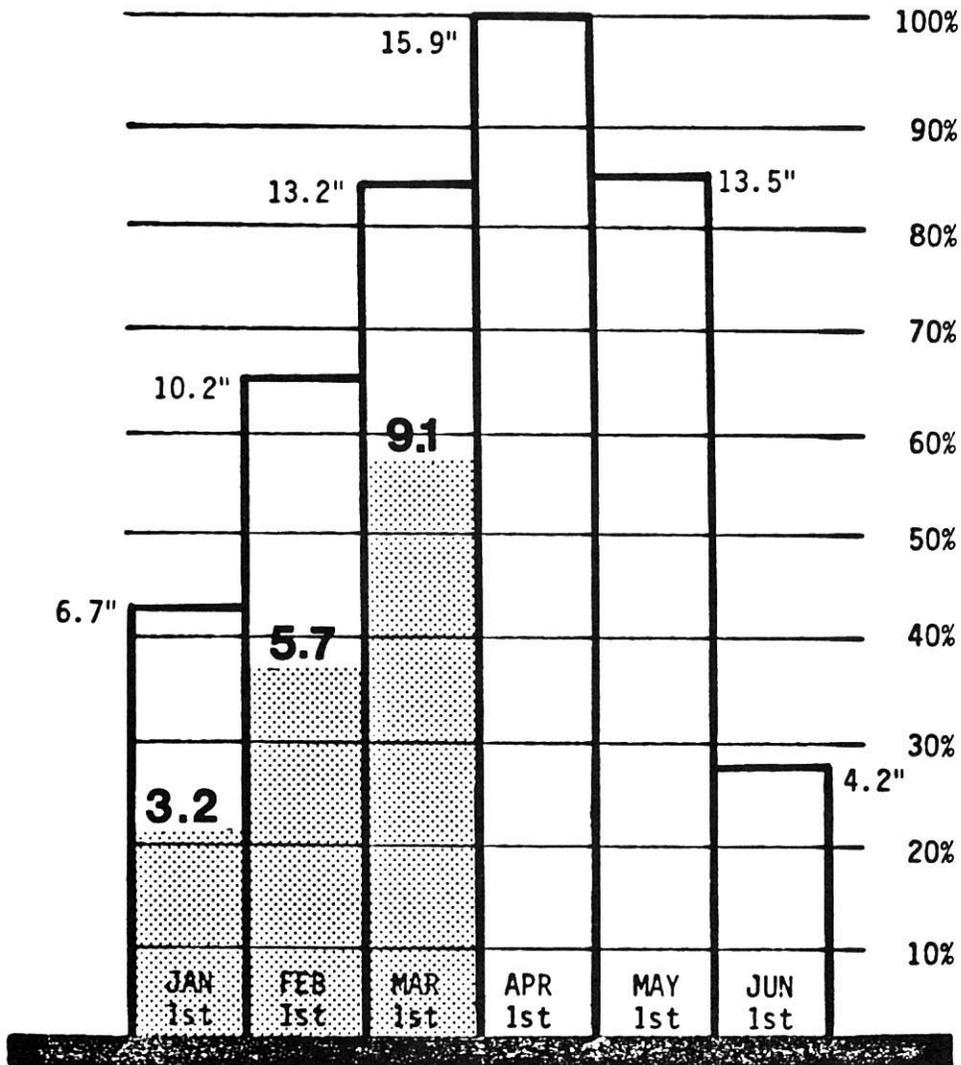
SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
INDIAN CANYON	9100	02/26	38	7.3	18.4	10.8
JOHNSON VALLEY	8850	02/25	17	3.2	6.8	6.4
KILFOIL CREEK	7300	02/26	34	8.0	18.0	12.5
KIMBERLY MINE (UPPER)	9300	02/22	47	11.7	14.7	13.1
KING'S CABIN (UPPER)	8730	03/01	30	6.7	9.8	8.5
KLONDIKE NARROWS	7400	02/26	38	9.1	27.0	17.4
KOLDB-CRYSTAL	9250	02/22	33	9.2	15.6	17.4
LAKEFORK BASIN	11100	03/04	52	10.9	20.2	17.7
LAKEFORK MOUNTAIN #1	10200	02/28	38	8.9	17.6	9.4
LAKEFORK MOUNTAIN #3	8400	02/28	21	3.4	12.1	5.7
LAMBS CANYON	7400	03/02	40	11.3	13.4	14.2
LASAL MOUNTAIN LOWER	8800	02/26	36	8.9	6.2	7.8
LASAL MOUNTAIN (UPP)	9850	02/26	68	18.1	14.6	12.6
LIGHTNING LAKE	10500	03/04	69	15.2	23.5	19.8
LILY LAKE	9050	02/28	39	10.1	15.4	11.9
LITTLE BEAR (LOWER)	6000	02/26	27	6.7	10.5	9.5
LITTLE BEAR (UPPER)	6550	02/26	31	7.7	16.3	11.2
LITTLE GRASSY CREEK	6100	02/22	0	.0	0.0	4.0
LONG FLAT	8000	02/22	20	5.4	3.2	6.0
LONG VALLEY JCT.	7500	02/27	11	1.5	0.0	4.9
LOST CREEK RESERVOIR	6130	02/26	14	3.4	7.8	5.8
MAMMOTH-COTTONWOOD	8800	02/26	39	9.3	27.5	18.4
MERCHANT VALLEY (UP)	8750	02/22	24	6.4	13.3	10.5
MIDDLE BEAVER CREEK	8650				-	3.6
MIDDLE CANYON	7000	03/02	44	13.4	9.3	11.7
MIDWAY VALLEY	9800	02/27	60	14.3	18.7	18.1
MILL CREEK	6950	02/27	48	12.9	17.2	16.3
MILL D SOUTH FORK	7400	02/27	44	12.6	16.6	17.2
MONTE CRISTO R.S.	8960	02/26	41	11.1	28.4	21.6
MOSEY MOUNTAIN (LOW)	9500	03/01	30	5.4	15.6	8.2
MT. BALDY R.S.	9500	02/26	55	13.3	24.5	20.2
MUD CREEK #2	8600	02/26	40	7.6	18.5	11.9
OAK CREEK	7760	02/22	20	4.8	10.5	11.4
ONE MILE SUMMIT	7330	2/27	16	3.1	5.1	6.0
OTTER LAKE	9600	02/22	31	8.2	17.5	11.6
PANQUITCH LAKE	8200	02/27	23	4.5	1.8	4.6
PARADISE PARK	10100	03/01	40	10.6	17.0	11.2
PARLEY'S CANYON SUM.	7500	03/02	43	12.2	17.7	16.0
PAYSON R.S.	8050	02/22	43	10.6	14.1	16.6
PICKLE KEG SPRING	9600	02/25	39	9.0	11.9	14.6
PINE CANYON	8000	02/26	39	9.8	24.2	17.4
PINE CREEK	8800	02/22	46	10.5	12.3	14.0
REDDEN MINE LOWER	8500	02/28	37	10.2	22.1	15.2
RED PINE RIDGE	9200	02/26	42	9.9	17.7	15.0
REES'S FLAT	7300	02/22	22	6.5	11.6	11.2
REYNOLDS PARK	10400	03/04	60	13.2	19.2	13.8
ROCK CREEK	7900	02/28	22	3.2	15.2	6.8
ROCKY BASIN-SETTLEMT	8900	03/02	60	18.4	18.8	23.4
SEELEY CREEK R.S.	10000	02/26	40	9.2	16.7	14.4
SERGEANT LAKES	8300	03/04	36	9.4	26.9	14.5
SHINGLE MILL	6200	03/02	21	5.3	2.4	7.8
SILVER LAKE (BRIGHT.)	8730	02/27	54	14.4	28.4	20.6
SMITH & MOREHOUSE	7600	02/28	30	7.8	14.8	11.4
SNOWBIRD GAD VALLEY	9700	03/04	79	27.4	42.0	28.1
SOAPSTONE R.S.	7800	03/01	-	8.0E	16.9	11.1
SPIRIT LAKE	10300	02/28	50	13.0	10.9	10.1
SQUAW SPRINGS	9300	02/25	21	3.8	7.2	6.6
STEEL CREEK PARK	10100	03/01	51	13.9	17.4	12.9
STILLWATER CAMP	8550	02/28	31	6.8	12.3	8.6
STRAWBERRY DIVIDE	8400	02/27	35	7.4	22.1	17.0
TRUART R.S.	7950	02/26	26	4.2	14.1	7.4
USC RANCH	8200	03/05	23	5.3	5.0	7.7
TALL POLES	8800	03/05	42	9.5	8.8	12.2

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
THAYNES CANYON	9200	03/03	50	13.5	23.5	-
THISTLE FLAT	8500				-	13.8
TIMPANOGOS DIVIDE	8140	02/27	40	11.1	31.7	22.0
TONY GROVE LAKE	8400	02/26	54	14.3	43.8	30.9
TONY GROVE R.S.	6250	02/26	22	5.3	15.8	11.1
TRIAL LAKE	9960	02/28	48	13.4	35.3	20.6
TROUT CREEK	9400	03/01	36	7.8	10.5	8.5
UPPER JOES VALLEY	8900	02/27	32	6.2	12.7	9.6
VERNON CREEK	7500	03/01	-	4.9E	13.9	10.1
VIPONT	7670	2/27	34	7.4	18.8	13.4
WEBSTER FLAT	9200	02/22	29	7.1	12.1	15.0
WHITE RIVER #1	8550	02/26	31	5.1	17.3	11.9
WHITE RIVER #3	7400	02/26	15	3.6	8.1	7.9
WIDTSOE-ESCALANTE #3	9500	02/27	65	13.6	9.2	9.4
WRIGLEY CREEK	9000	02/26	39	6.6	12.9	9.8
YANKEE RESERVOIR	8700	02/25	42	9.5	5.8	8.0

Utah Snowpack Progress

1987



Statewide

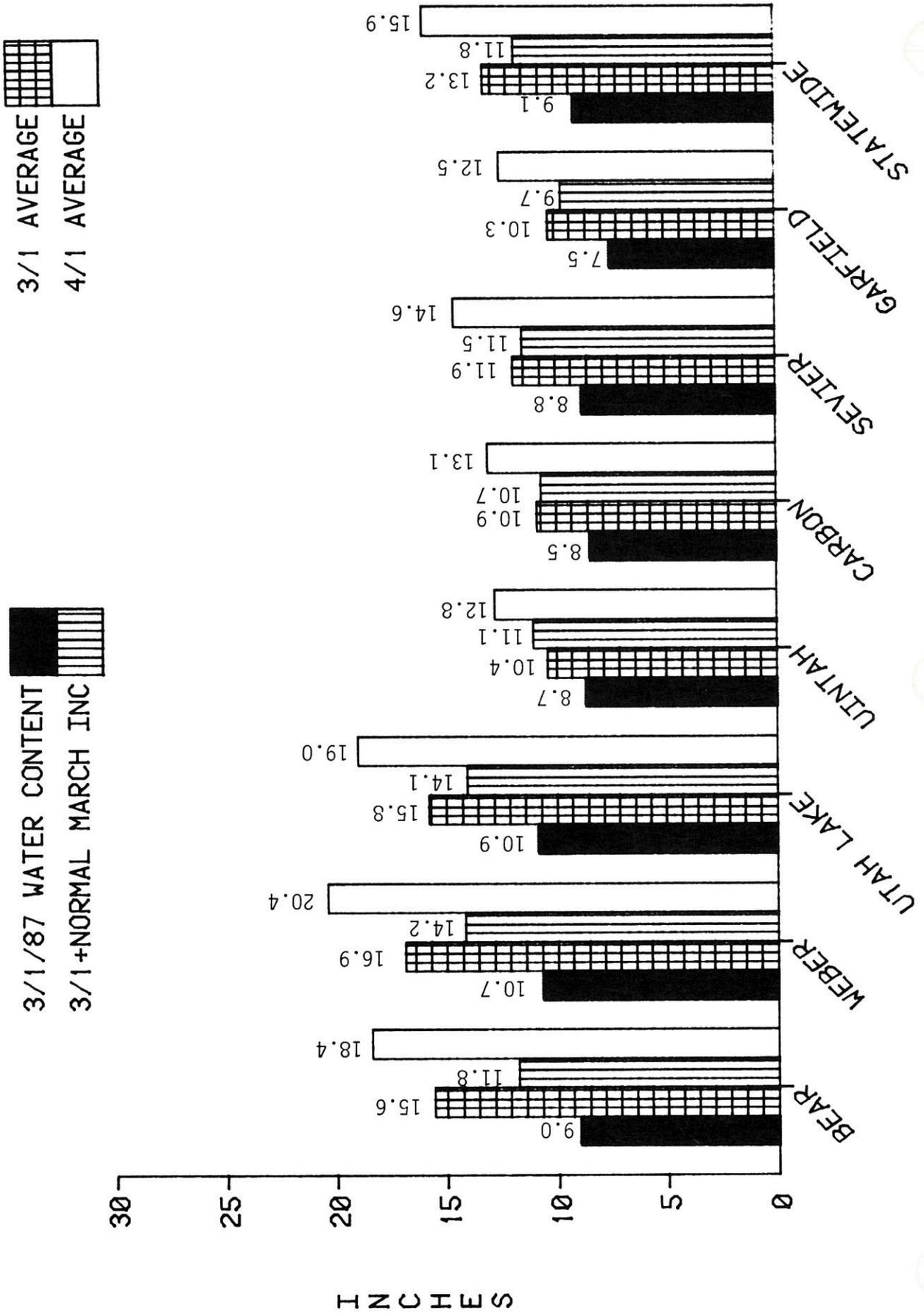
NOTE :

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.

1987 SNOWPACK COMPARIISON

March 1, 1987





United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah Water Supply Outlook

April 1, 1987



Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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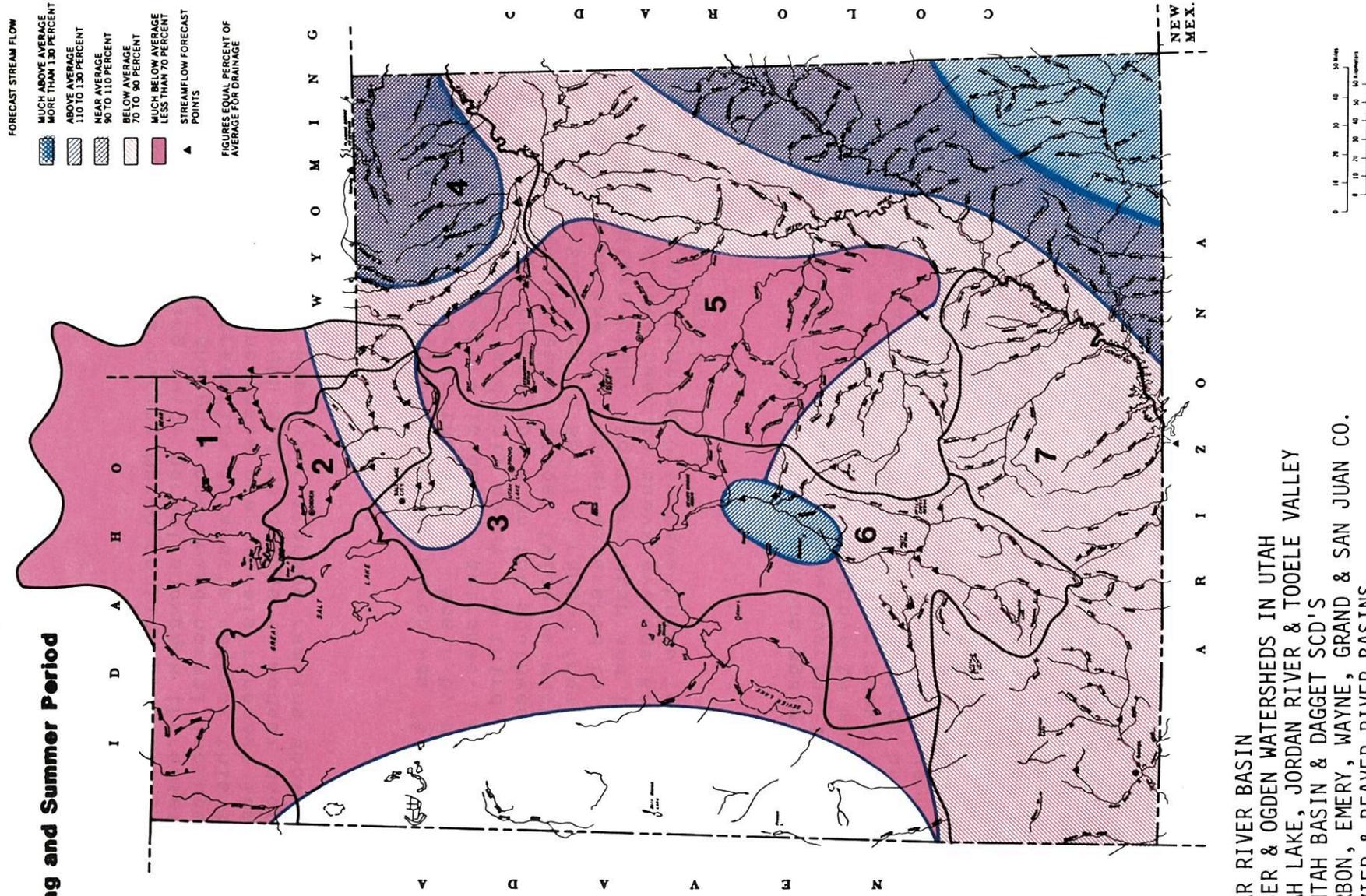
**Programs and assistance of the United States Department of Agriculture are
available without regard to race, creed, color, sex, age, or national origin.**

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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 & TOOLEE 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:

Storm patterns during March continued tracking to the south producing twice normal snowpack increases in southern Utah and only one-third normal increases in the north. Streamflow forecasts reflect this trend with healthy increases over levels forecast last month in the south and no change to modest decreases in the north. Reservoir storage remains above average.

SNOWPACK:

Snowpack accumulation during March was 7% greater than normal across the State. Basin by basin, however, the story is one of extremes. Bear River snowpack increased only about one-third as much as usual while the snowpack in the southwestern area of the state increased almost twice as much as normal in March. Snowpack on April 1 ranged from 55% of average on the Bear River watershed to 94% in southwestern Utah. Southern Utah and the Uintas generally have near to above average snowpack while northern and central Utah have below to much below average snowpack.

PRECIPITATION:

Precipitation at mountain stations again this month varied from below to much below average in the northern part of the State to above to much above average in southern Utah. Valley precipitation was also quite variable in March ranging from below normal in the Lower Bear River area to above normal east of the Wasatch range with numerous reports above 150% of average in eastern Utah. Seasonal precipitation (October through March) ranges from below normal over much of the western half of the State to above normal over the Uintas and the southeast corner of the State. Most of the Virgin, Beaver, Sevier and San Rafael drainages have received near normal amounts since the beginning of the water year.

RESERVOIRS:

Useable stored water in 26 key irrigation reservoirs across the State was 123% of average at the end of March. All reservoirs in our sample for which averages are available were holding more water than usual for this time of year in anticipation of

projected low runoff this season. Current storage compared to capacity ranges from 57% on Pineview to full on about one-fourth of the reservoirs sampled. As of the end of March it was questionable as to whether Deer Creek and Pineview would fill completely unless runoff starts early and the reservoirs fill before irrigation releases begin. The Enterprise reservoirs are probably near their seasonal peak with only about 30% of capacity stored. The Great Salt Lake is at an historical peak elevation of 4211.85 feet, 1.35 feet higher than last year at this time; and is expected to peak, with average Spring precipitation, near a new record peak of 4212.25 feet late this Spring. Large pumps are slated to begin pumping lake water into the west desert this month.

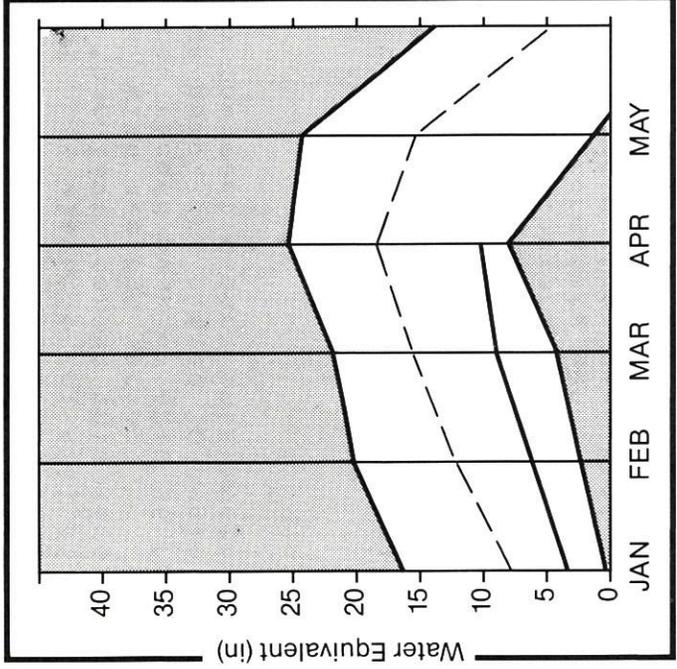
STREAMFLOW:

Forecasts of spring and summer streamflow have generally remained the same or decreased in northern Utah compared to the forecasts issued last month while southern Utah forecasts have generally increased. Projected flow for the Bear near Harer is only about one-third normal because of the extremely low forecasts on the Wyoming tributaries. Elsewhere the picture is brighter with forecasts generally ranging from 60-80% of average on the Upper Bear, Weber, Provo, Duchesne, San Rafael and Virgin. Near to above average flows are projected for Uinta streams east of the Duchesne, most of the Sevier and the Colorado and San Juan Rivers. Some shortages may occur where stored water is not adequate to augment low natural streamflow, such as is possible on the Lower Bear.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River as of the first of April was only 55% of average. During March the snowpack increased only 36% as much as normal. Snowpack on the Logan River watershed was 47% and the Raft River mountains were at 63%. Streamflow forecasts are the same or slightly less than last month. Forecasts now range from 27 to 78% of average spring and summer streamflow. Reservoir storage is above average for this time of year. Porcupine reservoir is full.

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	90.0	78	110.0	95	71.0	61
BEAR near Woodruff	APR-JUL	144.0	82.0	57	125.0	87	42.0	29
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	9.5	55	13.0	75	6.0	35
BIG CREEK near Randolph	APR-JUL	5.3	3.0	57	6.0	113	1.0	19
BEAR near Randolph	APR-JUL	126.0	70.0	56	136.0	108	25.0	20
THOMAS FORK near Stateline	APR-SEP	37.0	10.0	27	18.0	49	2.0	5
SMITHS FORK near Border	APR-SEP	122.0	54.0	44	81.0	66	27.0	22
BEAR RIVER near Harer	APR-SEP	326.0	110.0	34	182.0	56	48.0	15
LOGAN RIVER near Logan	APR-JUL	122.0	75.0	61	92.0	75	59.0	48
BLACKSMITH FORK near Hyrum	APR-JUL	57.0	35.0	61	50.0	88	21.0	37
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	25.0	60	41.0	98	9.0	21
CUB RIVER near Preston	APR-JUL	46.8	20.1	43	38.0	81	8.0	17

RESERVOIR STORAGE (1000AF)

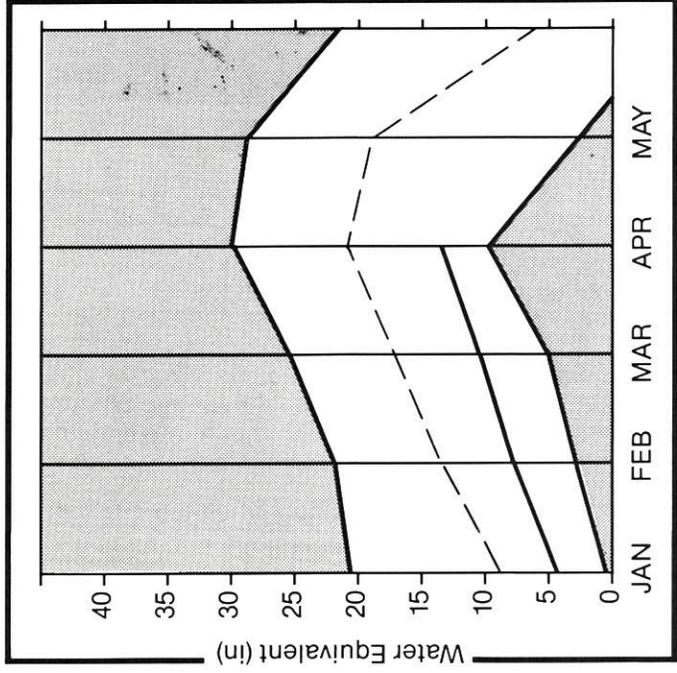
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **		WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF		
		THIS YEAR	LAST YEAR			LAST YR.	AVERAGE	
BEAR LAKE	1421.0	1086.2	1089.0	1002.1	BEAR RIVER, UPPER IN UTAH	6	55	69
HYRUM	15.3	13.4	10.7	12.2	BEAR RIVER, LOWER IN UTAH	10	44	51
PORCUPINE	11.3	11.3	11.3	5.0	BEAR RIVER DRAINAGE IN UT	15	47	56
WOODRUFF NARROWS		NO REPORT			BEAR RIVER, UPPER (above)	12	49	65
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER (below)	19	40	47
					BEAR RIVER DRAINAGE	29	43	53
					LOGAN RIVER	5	36	47
					RAFT RIVER	4	62	65
					BEAR RIVER BASIN	35	46	55

WATERSHED SNOWPACK ANALYSIS

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



WATER SUPPLY OUTLOOK:

During March the snowpack on the Weber River drainage increased only 74% as much as usual. April first snowpack was 59% of normal on the Ogden and 68% on the Weber. Streamflow forecasts are little changed from those released last month. Forecasts range from 60% of the April-June average on Wheeler Creek near Huntsville to 87% on Hardscrabble Creek near Porterville. Above average supplies of stored water are reported for all major reservoirs in the Weber Basin. All reservoirs should fill except, possibly, Pineview.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

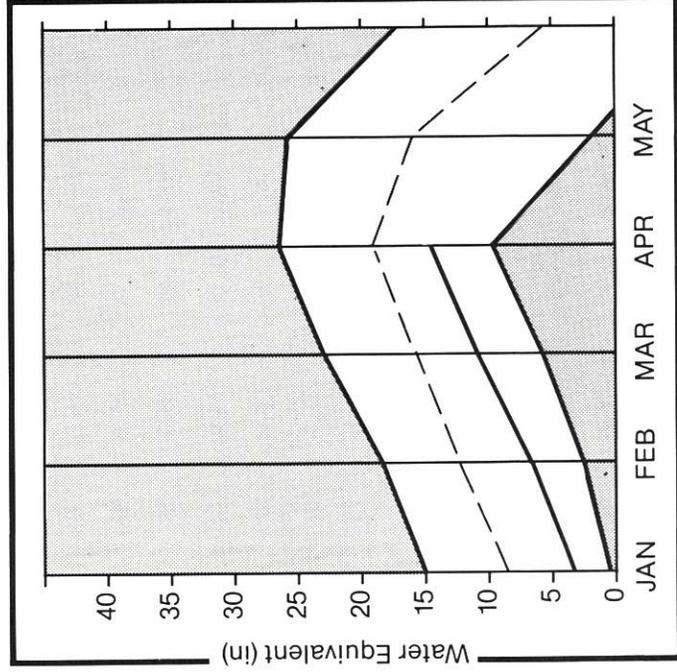
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)		MOST PROBABLE (1000AF) (% AVG.)		REAS. MAX. (1000AF) (% AVG.)		REAS. MIN. (1000AF) (% AVG.)	
		25 YR. AVG.	PERIOD	MOST PROBABLE	(% AVG.)	REAS. MAX.	(% AVG.)	REAS. MIN.	(% AVG.)
WEBER RIVER near Oakley	APR-JUN	107.0	85.0	79	101.0	94	61.0	57	
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	86.0	72	112.0	93	50.0	42	
CHALK CREEK near Coalville	APR-JUN	41.0	32.0	78	41.0	100	24.0	59	
WEBER RIVER near Coalville	APR-JUN	127.0	91.0	72	120.0	94	66.0	52	
LOST CREEK near Croymen	APR-JUN	15.6	10.0	64	15.0	96	5.0	32	
EAST CANYON CREEK near Morgan	APR-JUN	29.0	21.0	72	29.0	100	15.0	52	
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	16.0	87	24.0	130	8.0	43	
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	40.0	69	52.0	90	27.0	47	
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	78.0	64	100.0	82	56.0	46	
WHEELER CREEK near Huntsville	APR-JUN	6.3	3.8	60	5.0	79	3.0	48	
ECHO RESERVOIR inflow	APR-JUN	163.0	120.0	74	157.0	96	87.0	53	
WEBER RIVER at Gateway	APR-JUN	328.0	225.0	69	281.0	86	169.0	52	
FARMINGTON CREEK near Farmington	APR-JUL	8.2	5.7	70	9.0	110	2.0	24	

RESERVOIR	RESERVOIR STORAGE (1000AF)		WATERSHED	WATERSHED SNOWPACK ANALYSIS		
	USEABLE CAPACITY	** USEABLE STORAGE		NO. COURSES	THIS YEAR AS % OF LAST YR. AVERAGE	
	THIS YEAR	LAST YEAR		AVG'D		
CAUSEY	6.9	4.4	2.8	2.6	44	59
EAST CANYON	48.1	38.5	33.6	36.6	14	66
ECHO	73.9	66.2	25.5	49.5	18	64
LOST CREEK	20.0	16.2	9.4	13.3		
PINEVIEW	110.1	62.6	71.6	55.6		
ROCKPORT	60.9	41.2	26.6	30.9		
WILLARD BAY	165.5	164.9	156.6	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, like February, saw above average increases to the snowpack. During March, the snowpack increased 16% more than normal bringing the snow water content to 77% of average for the Utah Lake, Jordan River, and Tooele Valley watersheds by April 1. The Provo River watershed remains low, however, at only 58% of average. Streamflow forecasts now range from 50 to 95% of average. Reservoir storage is above average and near capacity for all reservoirs with established averages.

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

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

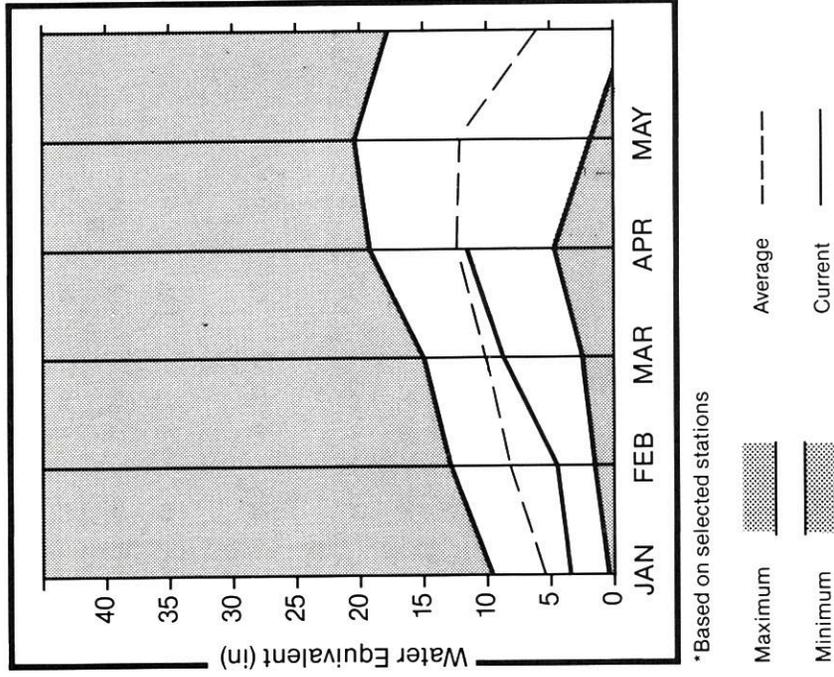
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)	REAS. (% AVG.)
PROVO near Hailstone	APR-JUL	113.0	73.0	65	93.0	82	45.0	40	
PROVO below Deer Creek Dam	APR-JUL	133.0	89.0	67	117.0	88	60.0	45	
AMERICAN FORK near American Fk.	APR-JUL	34.0	25.0	74	30.0	88	22.0	65	
HOBBLE CREEK near Springville	APR-JUL	23.3	14.0	60					
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	33.0	55	42.0	70	23.0	38	
FAYSON CREEK near Fayson	APR-JUL	7.3	5.1	70					
UTAH LAKE inflow	APR-JUL	295.0	280.0	95	363.0	123	209.0	71	
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	30.0	73	35.0	85	27.0	66	
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	36.0	92	40.0	103	31.0	79	
PARLEY'S CREEK near SLC	APR-JUL	17.0	12.6	74	18.0	106	9.0	53	
MILL CREEK near SLC	APR-JUL	6.9	6.5	94	8.0	116	5.0	72	
EMIGRATION CREEK near SLC	APR-JUL	4.6	2.5	54					
CITY CREEK near SLC	APR-JUL	9.0	6.2	69	8.0	89	5.0	56	
ETTLEMENT CREEK near Tooele	APR-JUL	2.3	2.0	87	3.0	130	1.0	43	
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	1.9	63	3.0	100	1.0	33	
VERNON CREEK near Vernon	APR-JUN	1.2	0.6	50	1.2	101	0.3	21	

RESERVOIR	RESERVOIR STORAGE (1000AF)	** USEABLE STORAGE **			WATERSHED SNOWPACK ANALYSIS			
		USEABLE THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
DEER CREEK	149.7	139.0	108.8	97.9	PROVO RIVER & UTAH LAKE	10	54	65
GRANTSVILLE	3.3	3.3	3.2	---	PROVO RIVER	5	43	58
SETTLEMENT CREEK	1.0	0.9	0.8	0.6	JORDAN RIVER & GREAT SALT	6	75	84
STRAWBERRY-ENLARGED	951.4	540.1	528.8	---	TOOELE VALLEY WATERSHEDS	5	123	87
UTAH LAKE	883.9	878.0	1095.3	722.9	UTAH LAKE, JORDAN RIVER &	21	73	77
VERNON CREEK	0.6	0.6	0.5	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 (stippled area) Average (dashed line)
 Minimum (solid line) Current (solid line)

WATER SUPPLY OUTLOOK:

Snowpack on the Uintas ranges from 65% of the April 1 average on the Strawberry River watershed to 131% on Sheep Creek. Snow water content on Blacks Fork snow courses was 94% of average and 81% on the Duchesne. Forecasts of spring and summer streamflow range from 53% for Currant Creek near Fruitland to 104% for Henrys Fork near Manila. Stored water in Uinta Basin reservoirs with established averages is 143% 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

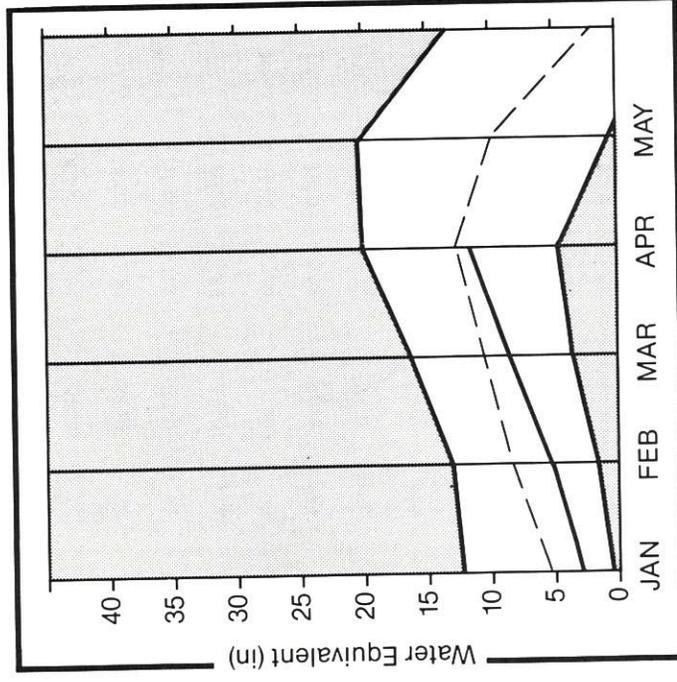
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)		REAS. MAX. (% AVG.)		REAS. MIN. (1000AF)		REAS. MIN. (% AVG.)	
					MAX.	(% AVG.)	MAX.	(% AVG.)	MIN.	(% AVG.)	MIN.	(% AVG.)
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	70.0	67	85.0	81	55.0	52				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	127.0	67	159.0	84	99.0	52				
STRAMBERRY RIVER at Duchesne	APR-JUL	69.0	38.0	55	50.0	72	28.0	41				
ROCK CREEK near Mountain Home	APR-JUL	95.0	68.0	72	85.0	89	53.0	56				
CURRENT CREEK near Fruitland	APR-JUL	20.0	10.5	53	14.0	70	7.0	35				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	60.0	86	76.0	109	48.0	69				
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	62.0	94	87.0	132	37.0	56				
DUCHESNE near Myton	APR-JUL	223.0	145.0	65	203.0	91	76.0	34				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	60.0	100	83.0	138	37.0	62				
UINTAH RIVER near Neola	APR-JUL	86.0	80.0	93	114.0	133	46.0	53				
DUCHESNE near Randlett	APR-JUL	257.0	190.0	74	370.0	144	60.0	23				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	16.5	59	21.0	75	12.0	43				
HENRY'S FORK near Manila	APR-SEP	51.0	53.0	104	72.0	141	39.0	76				
ACK'S FORK near Millburne	APR-JUL	90.0	75.0	83	105.0	117	50.0	56				
FLAMING GORGE RESERVOIR inflow	APR-SEP	1445.0	950.0	66	1253.0	87	675.0	47				
ASHLEY CREEK near Vernal	APR-JUL	52.0	51.0	98	62.0	119	42.0	81				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
FLAMING GORGE	3749.0	2983.4	UPPER GREEN RIVER in UTAH	15	80
MOON LAKE	35.8	27.9	ASHLEY CREEK	2	77
RED FLEET	26.0	17.7	BLACK'S FORK RIVER	3	80
STEINAKER	33.3	32.2	SHEEP CREEK	2	127
STARVATION	165.3	161.2	DUCHESNE RIVER	16	59
STRAMBERRY-ENLARGED	951.4	540.1	LAKE FORK-YELLOWSTONE CRE	3	64
			STRAMBERRY RIVER	4	52
			UINTAH-WHITEROCKS RIVERS	4	63
			UINTAH BASIN & DAGGET SCD	31	67

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 a good month for snowpack accumulation in southeastern Utah this year. During March the snowpack increased 41% more than normal, leaving area-wide snowpack at 89% of the April 1 average. Basin by basin snowpack now ranges from 69% of average on the Muddy River to 130% on the La Sals. Streamflow forecasts range from 52% of average for Scofield Res. Inflow to 128% for the San Juan near Bluff. Area reservoirs are holding 34% more useable water than normal 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

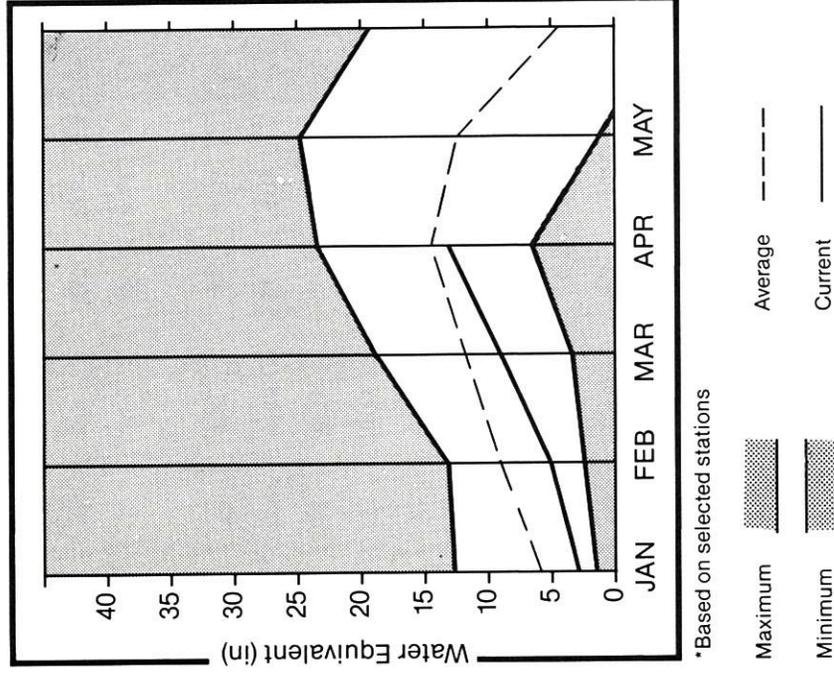
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	6.6	55	10.0	83	4.0	33
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	24.0	52	32.0	70	17.0	37
PRICE near Heiner	APR-JUL	78.0	44.0	56				
ELECTRIC LAKE Inflow	APR-JUL	15.1	9.5	63	12.0	79	7.0	46
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	31.0	56	41.0	75	23.0	42
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	32.0	68	46.0	98	18.0	38
FERRON CREEK near Ferron	APR-JUL	41.0	25.0	61	34.0	83	16.0	39
MUDDY CREEK near Emery	APR-JUL	21.0	12.5	60	18.0	86	7.0	33
COLORADO near Cisco, UT	APR-JUL	3443.0	3500.0	102	4533.0	132	2639.0	77
GREEN near Green Rv., UT	APR-JUL	3176.0	2375.0	75	3074.0	97	1676.0	53
MILL CREEK near Moab	APR-JUL	5.5	6.0	109	7.0	127	5.0	91
NAVAJO RESERVOIR inflow	APR-JUL	764.0	925.0	121	1208.0	158	703.0	92
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1400.0	128	1836.0	168	1062.0	97
VEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.5	85	7.0	108	4.0	62

RESERVOIR	RESERVOIR STORAGE (1000AF)			WATERSHED	WATERSHED SNOWPACK ANALYSIS	
	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR		NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
HUNTINGTON NORTH	3.9	4.0	3.7	PRICE RIVER	3	72
JOE'S VALLEY	54.6	45.7	47.8	SAN RAFAEL RIVER	7	66
KEN'S LAKE	2.3	1.5	1.4	MUDDY RIVER	2	69
MILL SITE	16.7	12.5	7.4	FREMONT RIVER	4	111
SCOFIELD	65.8	55.0	43.7	LASAL MOUNTAINS	2	140
				BLUE MOUNTAINS	2	131
				CARBON, EMERY, WAYNE, CRA	21	88

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 accumulation during March was 70% greater than normal bringing April 1 snow water content to 92% of average across the Sevier Basin. The Beaver River watershed is at 76% of average and the East Fork of the Sevier has 103% of normal April 1 snow water. Streamflow forecasts have generally increased from last month and now range from 50 to 198% of average. Reservoir storage is very good again this year with area reservoirs at 161% of average for the end of March which is 98% 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.)	REAS. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	49.0	94	65.0	125	37.0	71	
SEVIER near Circleville	APR-JUL	44.0	45.0	102					
SEVIER near Kingston	APR-JUL	34.0	30.0	88	51.0	150	13.0	38	
ANTIMONY CREEK near Antimony	APR-JUL	8.9	8.0	90					
E F SEVIER near Kingston	APR-JUL	24.0	24.0	100	38.0	158	16.0	67	
SEVIER blw Piute Dam	APR-JUL	56.0	50.0	89	86.0	154	21.0	38	
CLEAR CREEK near Sevier	APR-JUL	22.0	21.6	98					
SIGURD to GUNNISON	APR-JUL	44.0	87.0	198	122.0	277	53.0	120	
KINGSTON to VERMILLION DAM	APR-JUN	40.0	54.0	135					
VERMILLION DAM to GUNNISON	MAR-JUN	54.0	88.0	163					
SALINA CREEK at Salina	APR-JUN	18.2	15.3	84					
SEVIER nr Gunnison	APR-JUL	99.0	122.0	123					
CHALK CREEK near Fillmore	APR-JUL	16.4	13.0	79	17.0	104	9.0	55	
CHICKEN CREEK near Levan	APR-JUL	3.5	2.2	63	3.0	86	1.0	29	
CREEK near Oak City	APR-JUL	1.6	0.8	50	2.0	125	0.0	0	
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	19.8	79					
PLEASANT CREEK near Pleasant	APR-JUL	11.5	8.1	70					
SALT CREEK near Nephi	APR-JUL	13.5	10.0	74	20.0	148	2.0	15	
BEAVER RIVER near Beaver	APR-JUL	27.0	22.0	81	33.0	122	11.0	41	
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	12.4	85	23.0	158	4.0	27	
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	8.0	90	12.0	135	4.0	45	

RESERVOIR STORAGE (1000AF)

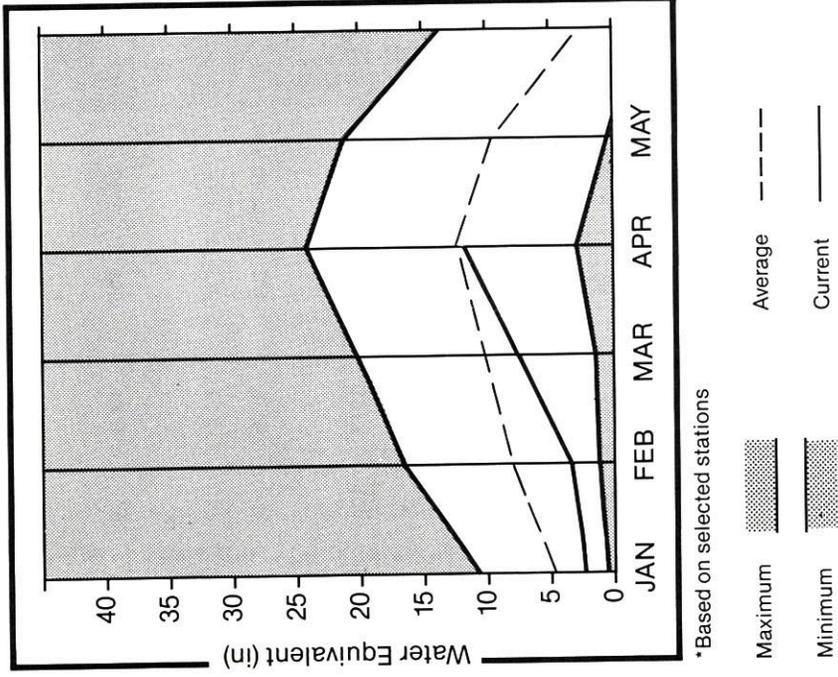
RESERVOIR	USEABLE CAPACITY	THIS YEAR	** USEABLE STORAGE LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
GUNNISON	20.3	20.3	18.5	14.3	UPPER SEVIER RIVER (south	11	134 101
MINERSVILLE (RkyFd)	26.0	23.6	22.9	14.3	EAST FORK SEVIER RIVER	4	135 103
OTTER CREEK	52.6	52.4	52.5	35.8	SOUTH FORK SEVIER RIVER	7	134 100
PIUTE	71.8	70.5	71.7	46.2	LOWER SEVIER RIVER (inclu	13	93 90
PIUTE BRIDGE	236.0	232.9	221.3	136.2	BEAVER RIVER	3	56 76
QUITCH LAKE	22.3	17.4	20.0	---	SEVIER & BEAVER RIVER BAS	27	97 92

WATERSHED SNOWPACK ANALYSIS

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)



WATER SUPPLY OUTLOOK:

The snowpack graph above tells the southwestern Utah snow story quite well. During February and March the snowpack has increased 74 and 95% more than usual respectively. The snowpack has increased from 44% of average on February 1 to 94% on April 1. Local streamflow forecasts have increased by 2 to 18% from the levels forecast last month following the increase in snowpack and now range from 76 to 88% of average. Reservoir storage in the area is about 68% of capacity.

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

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)		REAS. MIN. (1000AF)		REAS. MIN. (% AVG.)
					MAX.	(% AVG.)	MIN.	(% AVG.)	
VIRGIN near Hurricane	APR-JUN	68.0	52.0	76	75.0	110	30.0	44	
SANTA CLARA near Pine Valley	APR-JUN	5.0	4.2	84					
COAL CREEK near Cedar City	APR-JUL	20.0	17.6	88	23.0	115	13.0	65	
LAKE POWELL inflow	APR-JUL	8086.0	7500.0	93	9764.0	121	5479.0	68	

RESERVOIR STORAGE (1000AF)

WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	THIS YEAR	** USEABLE STORAGE LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
							LAST YR.	AVERAGE
GUNLOCK	10.4	7.4	9.4	---	VIRGIN RIVER	5	110	86
LAKE POWELL	25002.0	21830.0	22015.0	---	PAROWAN	4	146	103
QUAIL CREEK	40.0	32.0	26.0	---	ENTERPRISE TO NEW HARMONY	2	1156	112
UPPER ENTERPRISE		NO REPORT			COAL CREEK	3	125	93
LOWER ENTERPRISE		NO REPORT			ESCALANTE RIVER	2	183	156
					E. GARFIELD, KANE, WASHIN	12	141	94

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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
ASHLEY TWIN LAKES	10500	04/02	63	13.9	27.0	17.4
ATWOOD LAKE	10500	04/02	45	9.9	18.3	12.0
BEAVER CREEK DIVIDE	8280	03/25	24	6.5	15.4	12.2
BEAVER DAMS	8000	03/24	29	8.4	8.5	12.1
BEN LOMOND PEAK	8000	03/24	77	26.7	57.4	39.3
BEN LOMOND TRAIL	6000	03/24	32	10.0	23.9	18.8
BEVAN'S CABIN	6450	04/01	41	13.8	6.2	12.1
BIG FLAT	10290	03/26	59	15.6	26.7	19.2
BIRCH CROSSING	8100	03/26	26	5.8	0.0	6.7
BLACK'S FLAT-U.M. CK	9400	03/24	37	9.0	11.5	11.5
BLACK'S FORK	9200	04/01	-	9.8E	14.2	14.2
BLACK'S FORK GS-EF	9340	03/26	36	8.0	11.7	9.7
BLACK'S FORK JUNCTN	8930	03/26	34	7.6	9.3	9.5
BOX CREEK	9300	03/24	41	9.8	12.8	14.1
BRIAN HEAD	10000	03/26	78	23.0	19.2	21.7
BRIGHTON	8750	03/25	67	21.5	-	37.6
BROWN DUCK RIDGE	10600	03/25	73	17.5	27.9	19.7
BRYCE CANYON	8000	03/26	18	4.7	0.0	4.2
BUCK FLAT	9800	03/24	46	12.1	20.3	17.9
BUCK PASTURE	9700	04/02	63	14.5	25.2	16.4
BUCKBOARD FLAT	9000	03/30	52	15.1	10.5	13.1
BUG LAKE	7950	03/24	47	10.9	29.1	20.4
BURT'S-MILLER RANCH	7900	03/25	18	5.1	3.6	6.0
CAMP JACKSON	8600	03/30	44	13.0	10.9	13.1
CASTLE VALLEY	9580	03/26	48	14.0	13.1	13.5
CHALK CREEK #1	9100	03/25	65	18.0	33.5	23.1
CHALK CREEK #2	8200	03/25	46	12.3	19.9	15.8
CHALK CREEK #3	7500	03/25	23	6.3	5.6	7.8
CHEPETA	10300	03/26	56	12.9	18.6	13.5
CHEPETA-WHITTERKS. LK	10350	04/02	64	14.7	23.1	15.2
CLEAR CREEK MEADOWS	9420	03/24	60	17.4	23.4	24.1
CLEAR CREEK RIDGE #1	9200	03/25	44	12.2	22.0	19.5
CLEAR CREEK RIDGE #2	8000	03/25	37	9.7	15.4	14.7
CLEAR CREEK RIDGE #3	6600	03/25	9	3.0	1.6	6.1
CURRENT CREEK	8000	03/25	15	4.5	9.7	9.3
DANIELS-STRAMBERRY	8000	03/25	30	8.0	19.6	15.1
DESERET PEAK	9250	04/01	54	19.0	19.7	27.9
DILL'S CAMP	9200	03/24	33	8.1	12.8	12.8
DONKEY RESERVOIR	9800	03/24	59	14.0	7.2	7.9
DRY BREAD POND	8350	03/24	31	7.7	24.9	19.5
DUCK CREEK R.S.	8700	04/01	-	13.3E	7.0	14.2
EAST SHINGLE LAKE	9800	04/02	75	18.8	-	27.0
EAST WILLOW CREEK	8250	03/30	-	9.6E	-	11.1
FARMINGTON CANYON	8000	03/24	66	19.6	41.4	32.9
FARMINGTON CANYON L.	6950	03/24	57	16.4	29.4	25.2
FARNSWORTH LAKE	9600	03/24	75	20.3	17.9	20.6
FISH LAKE	8700	03/24	27	6.8	8.7	8.7
FIVE POINT LAKE	11000	04/02	62	14.3	24.3	16.3
G.B.R.C. HEADQUARTER	8700	03/25	55	14.4	18.7	18.3
G.B.R.C. MEADOWS	10000	03/25	71	19.7	26.3	25.0
GARDEN CITY SUMMIT	7600	03/24	33	7.9	24.9	18.3
GEORGE CREEK	8840	03/25	54	16.2	26.6	23.2
GOOSEBERRY R.S.	8000	03/24	47	12.5	9.9	12.8
HARDSCRABBLE	6700	03/24	40	11.4	22.3	19.4
HARRIS FLAT	7700	03/24	26	7.8	2.5	8.7
HAYDEN FORK	9400	03/25	46	11.2	19.5	16.0
HENRY'S FORK	10000	04/02	55	13.2	18.9	14.0
HEWINTA G.S.	9500	03/26	40	9.3	9.6	9.7
HOLE-IN-THE-ROCK	9150	03/26	34	7.0	6.1	6.1
HOLE-IN-THE-ROCK 6S	8300	03/30	27	5.0	2.6	2.9
HICKERSON PARK	9100	03/26	41	8.4	7.0	7.1

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
HOBBLE CREEK SUMMIT	7420	03/25	27	8.2	17.3	14.8
HORSE RIDGE	8260	03/24	38	10.1	31.7	22.3
HUNTINGTON-HORSESHOE	9800	03/25	55	17.8	31.0	26.1
INDIAN CANYON	9100	03/25	45	11.3	19.8	13.5
JOHNSON VALLEY	8850	03/24	24	5.0	6.8	7.5
KILFOIL CREEK	7300	03/24	41	9.8	19.8	14.8
KIMBERLY MINE(UPPER)	9300	03/26	67	18.2	17.5	17.1
KING'S CABIN (UPPER)	8730	03/26	38	8.2	12.1	11.0
KLONDIKE NARROWS	7400	03/24	34	10.4	24.5	20.7
KLOB-CRYSTAL	9250	03/24	67	18.0	21.2	23.3
LAKEFORK BASIN	11100	04/02	66	15.2	26.1	21.4
LAKEFORK MOUNTAIN #1	10200	03/25	45	10.2	16.8	11.7
LAKEFORK MOUNTAIN #3	8400	03/25	26	5.5	9.2	6.2
LAMBS CANYON	7400	03/30	46	15.4	18.2	16.8
LASAL MOUNTAIN LOWER	8800	03/31	43	12.4	7.4	10.1
LASAL MOUNTAIN (UPP)	9850	03/31	72	22.9	17.8	17.1
LIGHTNING LAKE	10500	04/02	81	20.2	33.5	23.8
LILY LAKE	9050	03/26	47	11.5	17.6	15.2
LITTLE BEAR (LOWER)	6000	03/24	21	6.7	4.2	10.2
LITTLE BEAR (UPPER)	6550	03/24	26	7.3	12.8	13.2
LITTLE GRASSY CREEK	6100	03/24	8	2.3	0.0	2.3
LONG FLAT	8000	03/24	34	10.6	0.9	7.0
LONG VALLEY JCT.	7500	03/24	5	0.8	0.0	3.6
LOST CREEK RESERVOIR	6130	03/24	7	1.2	0.0	4.0
MAMMOTH-COTTONWOOD	8800	03/25	43	12.2	30.5	22.6
MERCHANT VALLEY (UP)	8750	03/26	32	8.1	16.2	11.7
MIDDLE BEAVER CREEK	8650	03/30	28	6.4	2.1	5.2
MIDDLE CANYON	7000	04/01	49	17.0	6.9	15.0
LDWAY VALLEY	9800	03/24	69	20.3	23.3	23.6
MILL CREEK	6950	03/30	54	17.1	21.6	22.0
MILL D SOUTH FORK	7400	03/31	46	16.2	18.2	20.3
MONTE CRISTO R.S.	8960	03/24	47	13.9	32.0	25.8
MOSBY MOUNTAIN(LOW)	9500	03/26	41	8.6	16.4	10.3
MT.BALDY R.S.	9500	03/24	65	18.4	28.2	25.0
MUD CREEK #2	8600	03/25	41	10.5	18.5	13.9
ONE MILE SUMMIT	7330	03/25	14	3.2	4.9	7.7
OTTER LAKE	9600	03/26	38	10.4	18.7	14.9
PANQUITCH LAKE	8200	03/26	22	6.4	0.0	4.5
PARADISE PARK	10100	03/26	52	12.6	20.2	14.1
PARLEY'S CANYON SUM.	7500	03/30	52	15.6	20.4	19.2
PAYSON R.S.	8050	03/25	52	16.6	17.2	19.7
PICKLE KEG SPRING	9600	03/24	49	13.0	13.3	17.2
PINE CANYON	8000	03/24	42	11.0	24.8	20.0
PINE CREEK	8800	03/26	60	17.0	15.2	17.2
REDDEN MINE LOWER	8500	03/25	41	11.1	24.8	18.8
RED PINE RIDGE	9200	03/25	46	12.5	18.3	18.0
REES'S FLAT	7300	03/25	28	8.9	13.1	13.8
REYNOLDS PARK	10400	04/02	67	15.4	26.7	17.7
ROCK CREEK	7900	03/25	22	5.3	9.7	6.8
ROCKY BASIN-SETTLEMT	8900	04/01	80	27.0	25.4	29.1
SEELEY CREEK R.S.	10000	03/25	51	14.7	21.9	18.2
SERGEANT LAKES	8300	04/02	35	9.1	10.5	18.8
SHINGLE MILL	6200	03/30	32	9.6	4.1	9.5
SILVER LAKE(BRIGHT.)	8730	03/31	62	19.3	33.0	26.3
SMITH & MOREHOUSE	7600	03/25	35	9.5	14.2	13.6
SNOWBIRD GAD VALLEY	9700	03/23	106	33.0	46.0	34.9
SOAPSTONE R.S.	7800	04/01	-	7.2E	15.0	12.1
SPIRIT LAKE	10300	03/26	68	16.8	14.1	13.5
SQUAW SPRINGS	9300	03/24	24	5.8	6.2	7.6

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
STEEL CREEK PARK	10100	03/26	65	16.3	20.9	16.4
STILLWATER CAMP	8550	03/26	35	7.7	12.3	11.0
STRAWBERRY DIVIDE	8400	03/31	41	11.6	23.1	19.9
STUART R.S.	7950	03/25	19	5.9	10.8	8.2
SUSC RANCH	8200	03/26	33	7.9	0.0	7.9
TALL POLES	8800	03/26	55	12.4	12.0	15.5
THAYNES CANYON	9200	04/01	61	18.5	28.0	-
THISTLE FLAT	8500	03/25	52	13.9	18.4	17.8
TIMPANOGGS DIVIDE	8140	03/25	42	13.0	33.5	25.5
TONY GROVE LAKE	8400	03/24	59	17.0	56.0	37.1
TONY GROVE R.S.	6250	03/24	20	5.8	11.9	12.1
TRIAL LAKE	9960	03/25	58	14.2	38.7	24.7
TROUT CREEK	9400	03/26	46	9.9	12.0	11.2
UPPER JOES VALLEY	8900	03/25	28	6.7	10.8	10.9
VERNON CREEK	7500	04/01	23	5.9	8.8	10.7
VIPONT	7670	03/25	34	9.8	20.0	16.5
WEBSTER FLAT	9200	03/24	58	16.6	14.3	18.8
WHITE RIVER #1	8550	03/25	36	9.1	17.4	14.0
WHITE RIVER #3	7400	03/25	14	4.7	0.0	7.3
WIDTSOE-ESCALANTE #3	9500	03/24	65	17.4	10.1	12.3
WRIGLEY CREEK	9000	03/24	37	9.9	12.1	11.9
YANKEE RESERVOIR	8700	03/26	46	13.2	6.9	10.4



United States
Department of
Agriculture

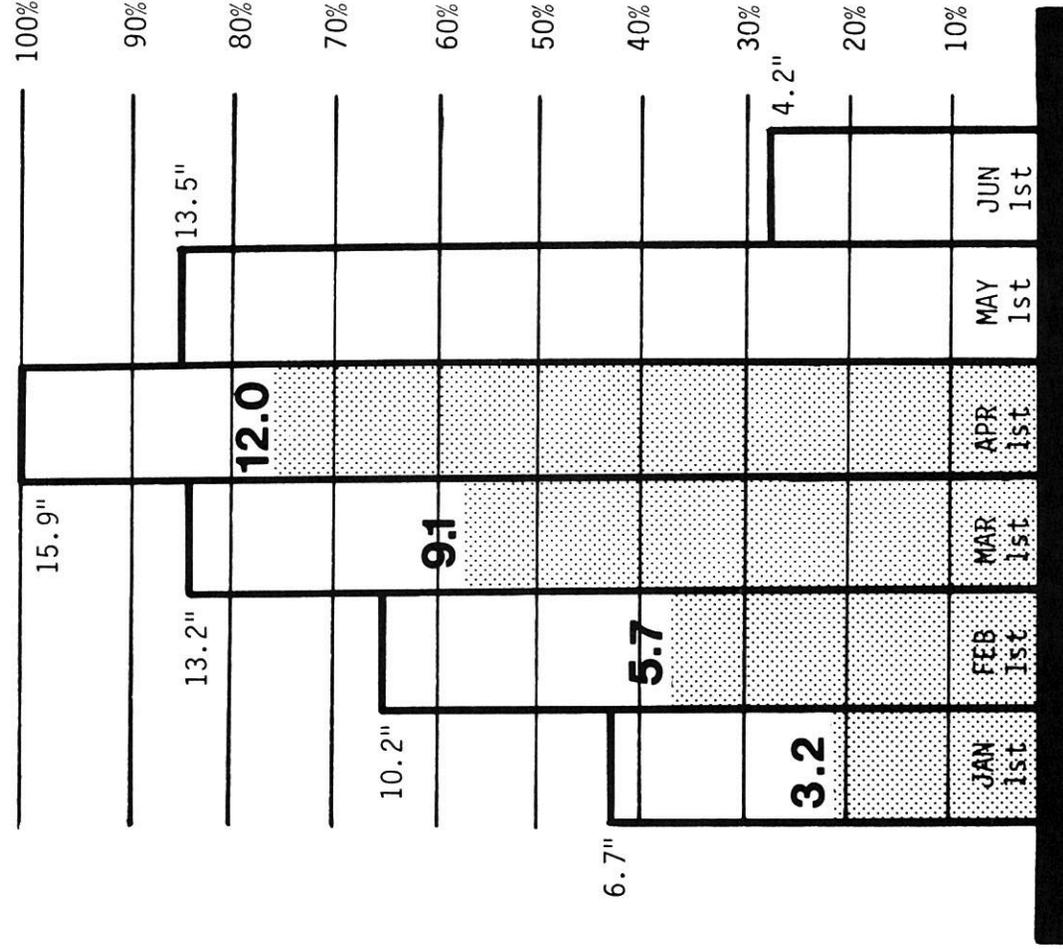
Soil
Conservation
Service

Salt Lake City,
Utah



Utah Snowpack Progress

1987



Statewide

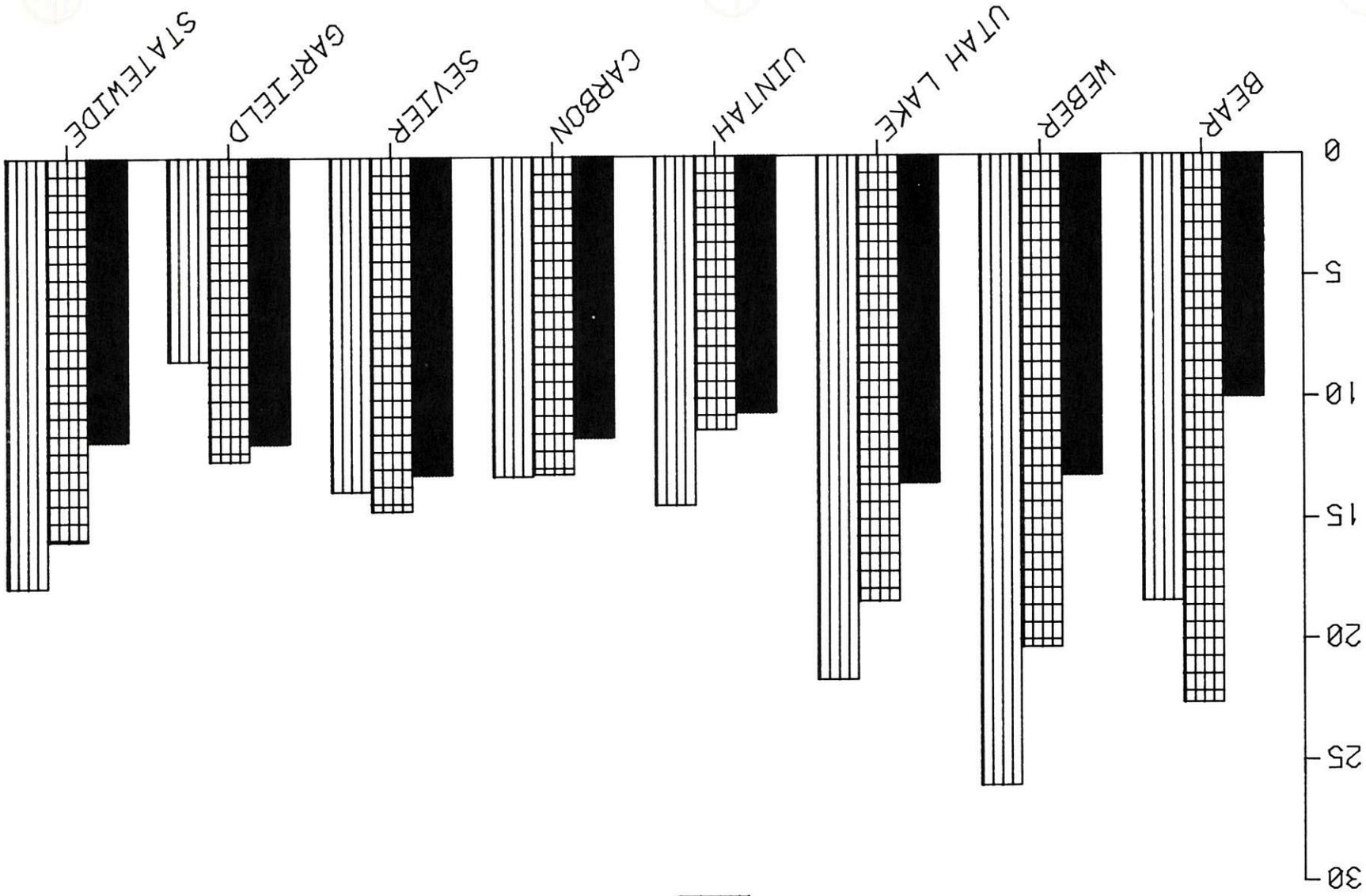
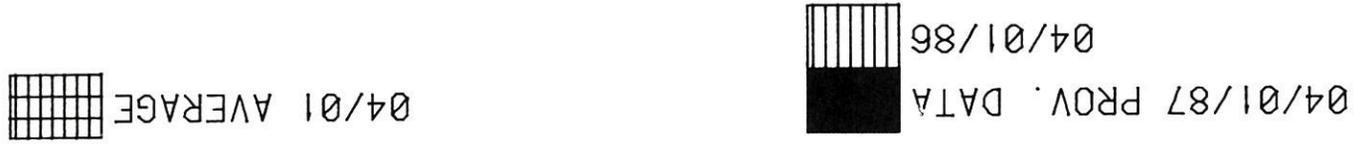
N O T E :

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.

1987 SNOWPACK COMPARISON

April 1, 1987





United States
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Agriculture

Soil
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Service

Salt Lake City,
Utah



Utah Water Supply Outlook

May 1, 1987

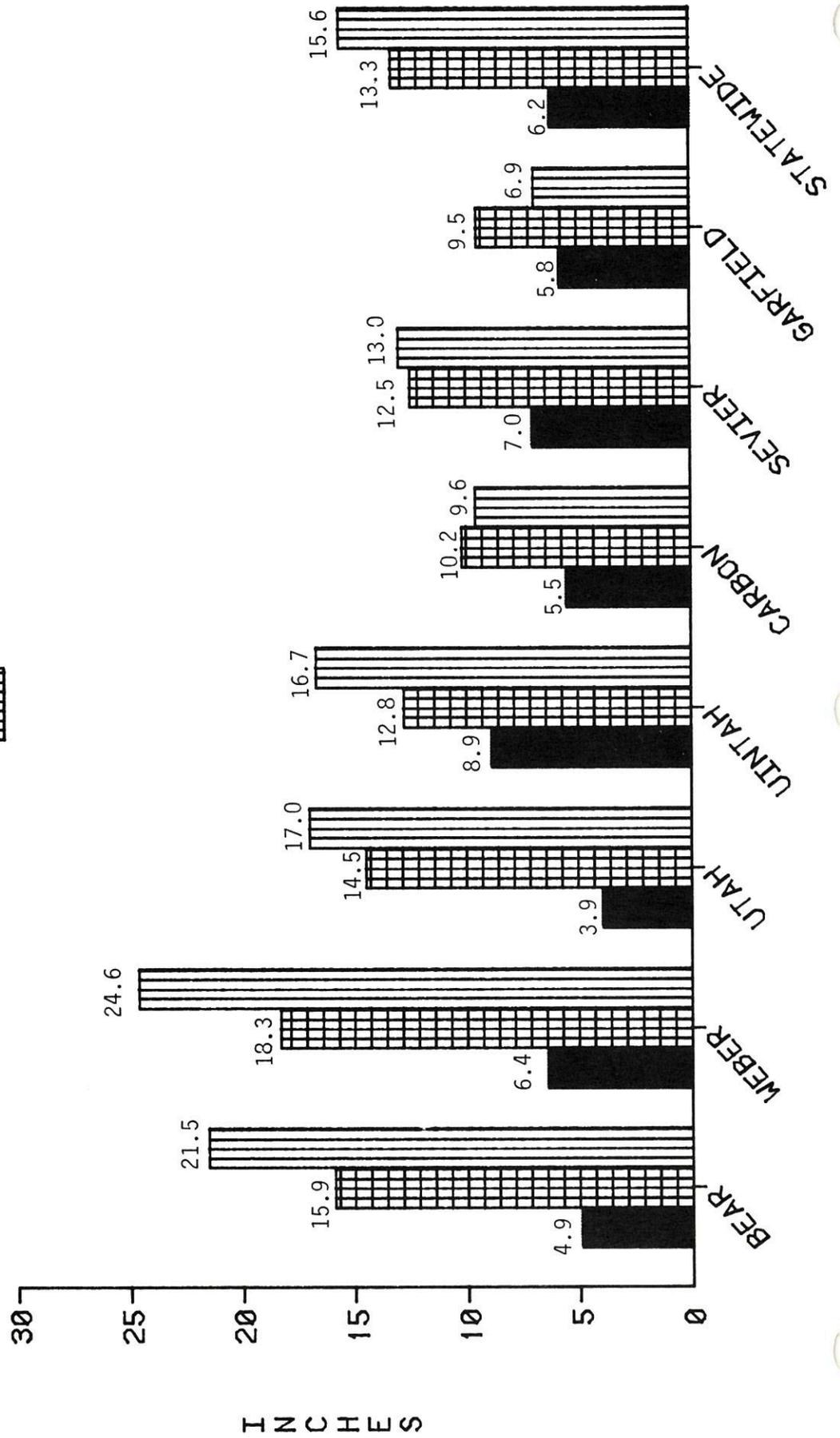


1987 SNOWPACK COMPARISON

MAY 1, 1987

5/1 AVERAGE

5/1/87
5/1/86





United States
Department of
Agriculture

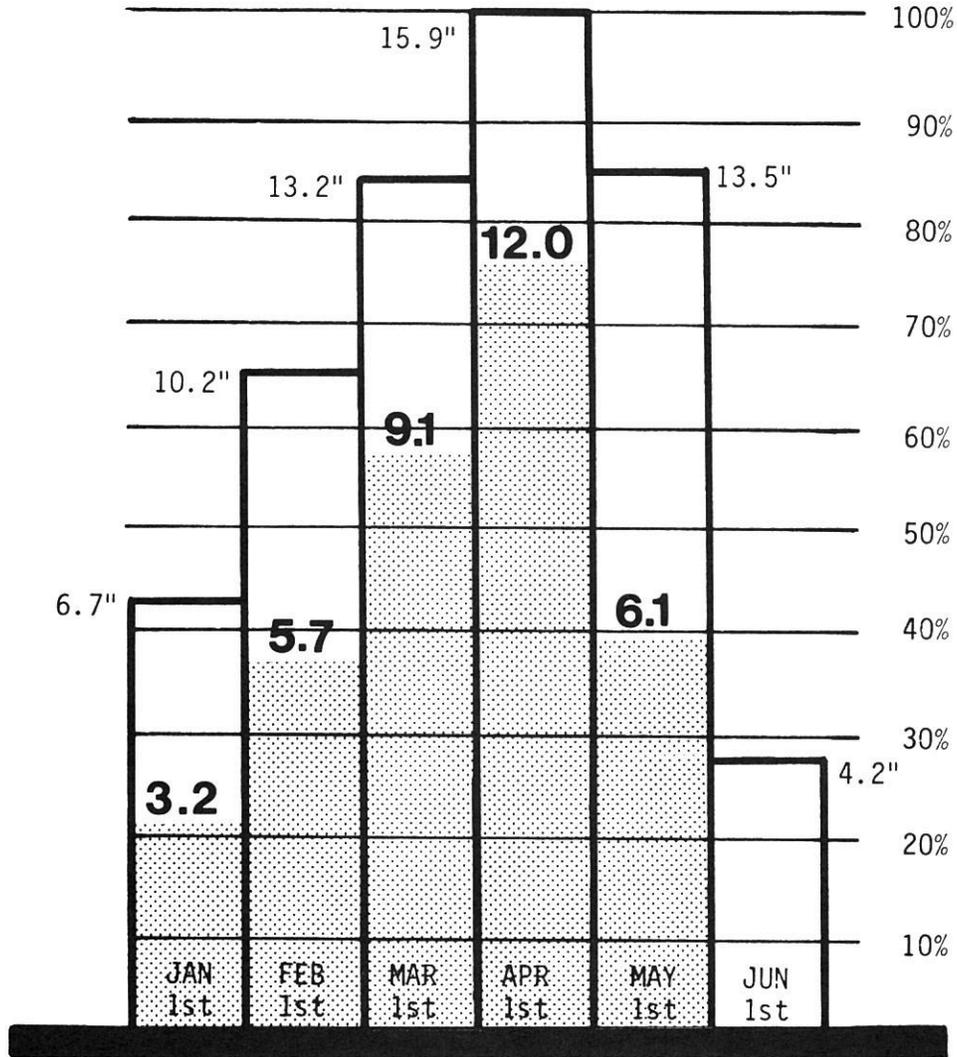
**Soil
Conservation
Service**

Salt Lake City,
Utah



Utah Snowpack Progress

1987



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.

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
STEEL CREEK PARK	10100	04/23	52	16.6	25.0	19.0
STILLWATER CAMP	8550	04/23	8	2.1	10.0	8.4
STRAWBERRY DIVIDE	8400	05/01	0	0.0	20.5	14.9
STUART R.S.	7950	04/24	0	0.0	0.0	2.3
SUSC RANCH	8200	04/28	0	0.0	0.0	2.7
TALL POLES	8800	04/28	18	4.9	8.0	12.7
THAYNES CANYON	9200				-	-
THISTLE FLAT	8500				-	17.5
TIMPANOGOS DIVIDE	8140	04/24	12	5.1	30.6	23.0
TONY GROVE LAKE	8400	04/23	26	9.1	53.2	35.8
TONY GROVE R.S.	6250	04/23	0	0.0	.2	3.8
TRIAL LAKE	9960	04/23	40	13.7	45.9	26.6
TROUT CREEK	9400	04/24	18	5.1	12.6	10.1
UPPER JOES VALLEY	8900	04/24	1	0.1	5.5	6.6
VERNON CREEK	7500	04/30	-	0.0E	-	5.1
VIPONT	7670				-	8.0
WEBSTER FLAT	9200	24/23	24	9.7	9.7	16.3
WHITE RIVER #1	8550	04/24	6	1.3	13.3	10.6
WHITE RIVER #3	7400	04/24	0	0.0	0.0	0.8
WIDTSOE-ESCALANTE #3	9500	04/23	37	12.0	6.6	10.5
WRIGLEY CREEK	9000	04/24	12	3.5	7.3	9.0
YANKEE RESERVOIR	8700	04/23	15	5.0	1.4	7.3

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
HOBBLE CREEK SUMMIT	7420	04/24	0	0.0	9.2	8.3
HORSE RIDGE	8260	04/23	8	2.9	28.2	20.0
HUNTINGTON-HORSESHOE	9800	04/23	43	16.1	34.9	27.4
INDIAN CANYON	9100	04/24	20	7.2	18.3	10.9
JOHNSON VALLEY	8850	04/24	0	0.0	0.0	4.6
KILFOIL CREEK	7300	04/23	16	5.6	14.9	10.7
KIMBERLY MINE (UPPER)	9300	04/23	38	13.4	20.0	17.2
KING'S CABIN (UPPER)	8730	04/24	13	4.0	9.9	9.8
KLONDIKE NARROWS	7400	04/23	0	.0	15.7	15.8
KOLOB-CRYSTAL	9250	04/23	29	11.6	14.5	21.6
LAKEFORK BASIN	11100	04/29	43	15.0	28.8	22.4
LAKEFORK MOUNTAIN #1	10200	04/24	31	10.1	19.4	12.1
LAKEFORK MOUNTAIN #3	8400	04/24	0	0.0	3.6	2.0
LAMBS CANYON	7400	04/28	0	0.0	10.4	11.0
LASAL MOUNTAIN LOWER	8800	04/28	11	4.4	0.0	5.3
LASAL MOUNTAIN (UPP)	9850	04/28	44	17.6	17.0	14.4
LIGHTNING LAKE	10500	04/29	60	21.0	33.3	25.8
LILY LAKE	9050	04/23	16	5.6	18.5	14.2
LITTLE BEAR (LOWER)	6000	04/23	0	0.0	.4	1.9
LITTLE BEAR (UPPER)	6550	04/23	0	0.0	1.1	5.6
LITTLE GRASSY CREEK	6100	04/23	0	0.0	0.0	0.1
LONG FLAT	8000	04/23	0	0.0	0.0	2.0
LONG VALLEY JCT.	7500	04/23	0	0.0	0.0	0.0
LOST CREEK RESERVOIR	6130	04/23	0	0.0	0.0	0.0
MAMMOTH-COTTONWOOD	8800	04/23	20	6.9	27.4	20.9
MERCHANT VALLEY (UP)	8750	04/23	8	2.7	15.7	7.9
MIDDLE BEAVER CREEK	8650				-	4.0
MIDDLE CANYON	7000	04/30	0	0.0	4.1	10.0
MIDWAY VALLEY	9800	04/23	43	18.4	25.3	24.1
MILL CREEK	6950	04/29	20	8.6	24.3	20.6
MILL D SOUTH FORK	7400	04/29	0	0.0	14.6	15.4
MONTE CRISTO R.S.	8960	04/23	25	9.8	33.0	26.5
MOSEBY MOUNTAIN (LOW)	9500	04/24	26	7.5	17.7	10.5
MT. BALDY R.S.	9500	04/24	46	16.6	32.2	26.2
MUD CREEK #2	8600	04/24	8	2.6	12.0	8.9
OAK CREEK	7760	04/23	9	2.8	12.5	9.5
ONE MILE SUMMIT	7330				-	0.0
OTTER LAKE	9600	04/23	26	8.9	20.9	14.5
PANQUITCH LAKE	8200	04/23	0	0.0	0.0	1.3
PARADISE PARK	10100	04/24	35	12.0	23.8	15.2
PARLEY'S CANYON SUM.	7500	04/28	5	1.6	20.3	14.2
PAYSON R.S.	8050	04/23	23	8.2	17.4	16.3
PICKLE KEG SPRING	9600	04/24	25	9.4	12.7	15.8
PINE CANYON	8000	04/23	7	2.6	19.4	14.8
PINE CREEK	8800	04/23	23	8.7	19.2	15.5
REDDEN MINE LOWER	8500	04/23	10	4.2	25.4	17.9
RED PINE RIDGE	9200	04/24	20	7.6	15.9	15.9
REES'S FLAT	7300	04/23	1	0.1	8.4	11.0
REYNOLDS PARK	10400	04/29	37	12.2	21.6	18.0
ROCK CREEK	7900	04/24	0	0.0	2.6	1.4
ROCKY BASIN-SETTLEMT	8900	04/30	34	14.1	31.9	30.0
SEELEY CREEK R.S.	10000	04/24	38	15.3	25.6	19.0
SERGEANT LAKES	8300	04/29	0	0.0	3.4	11.7
SHINGLE MILL	6200	04/30	0	0.0	0.0	3.3
SILVER LAKE (BRIGHT.)	8730	04/29	22	10.6	36.6	28.2
SMITH & MOREHOUSE	7600	04/23	1	.3	9.4	9.2
SNOWBIRD GAD VALLEY	9700	04/23	78	30.2	-	40.0
SOAPSTONE R.S.	7800	04/23	-	0.0E	0.0	7.2
SPIRIT LAKE	10300	04/24	43	16.4	19.0	15.9
SQUAW SPRINGS	9300	04/23	0	0.0	0.0	4.9

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500	04/29	41	11.1	22.3	18.0
ATWOOD LAKE	10500	04/29	27	8.6	15.3	13.3
BEAVER CREEK DIVIDE	8280	04/23	0	0.0	8.0	6.5
BEAVER DAMS	8000	04/24	0	0.0	1.0	8.0
BEN LOMOND PEAK	8000	04/23	42	18.4	53.7	39.4
BEN LOMOND TRAIL	6000	04/23	0	0.0	11.7	9.6
BEVAN'S CABIN	6450	04/30	0	0.0	2.6	5.5
BIG FLAT	10290	04/23	48	14.9	31.8	21.6
BIRCH CROSSING	8100	04/28	0	0.0	0.0	2.0
BLACK'S FLAT-U.M. CK	9400	04/24	14	3.5	8.2	9.4
BLACK'S FORK	9200	04/24	-	0.0E	7.9	11.9
BLACK'S FORK GS-EF	9340	04/23	19	6.8	10.7	9.9
BLACK'S FORK JUNCTN	8930	04/23	8	2.7	8.0	8.3
BOX CREEK	9300	04/23	18	6.2	13.7	13.2
BRIAN HEAD	10000	04/23	53	20.0	24.3	22.0
BRIGHTON	8750	04/30	30	11.8	-	40.2
BROWN DUCK RIDGE	10600	04/24	55	19.0	34.9	22.4
BRYCE CANYON	8000	04/27	0	0.0	0.0	0.6
BUCK FLAT	9800	04/24	26	9.6	22.0	17.2
BUCK PASTURE	9700	04/29	27	9.2	22.6	17.2
BUCKBOARD FLAT	9000	04/27	20	8.0	3.1	8.3
BUG LAKE	7950	04/23	25	8.0	26.6	19.4
BURT'S-MILLER RANCH	7900	04/23	0	0.0	0.0	2.4
CAMP JACKSON	8600	04/27	8	3.0	0.0	7.5
CASTLE VALLEY	9580	04/23	16	5.9	7.9	8.5
CHALK CREEK #1	9100	04/23	41	15.2	37.6	25.0
CHALK CREEK #2	8200	04/23	19	6.6	20.4	14.4
CHALK CREEK #3	7500	04/23	0	0.0	0.0	3.1
CHEPETA	10300	04/24	31	10.1	23.2	13.9
CHEPETA-WHITERKS. LK	10350	04/29	41	13.5	19.1	15.7
CLEAR CREEK MEADOWS	9420				-	20.6
CLEAR CREEK RIDGE #1	9200	04/24	17	6.1	21.1	18.0
CLEAR CREEK RIDGE #2	8000	04/24	9	2.9	12.2	10.8
CLEAR CREEK RIDGE #3	6600	04/24	0	0.0	0.0	0.1
CURRENT CREEK	8000	04/24	0	0.0	0.0	2.8
DANIELS-STRAWBERRY	8000	04/24	0	0.0	17.2	9.9
DESERET PEAK	9250				24.1	26.9
DILL'S CAMP	9200	04/24	11	3.8	9.8	9.4
DONKEY RESERVOIR	9800	04/23	32	8.1	-	5.5
DRY BREAD POND	8350	04/23	3	1.0	24.2	18.2
DUCK CREEK R.S.	8700	04/23	-	0.0E	0.0	9.2
EAST SHINGLE LAKE	9800	04/29	36	12.2	45.5	28.9
EAST WILLOW CREEK	8250	04/28	-	1.0E	-	7.2
FARMINGTON CANYON	8000	04/24	40	17.1	44.7	33.7
FARMINGTON CANYON L.	6950	04/24	26	10.4	30.6	23.7
FARNSWORTH LAKE	9600	04/24	54	19.9	22.6	22.9
FISH LAKE	8700	04/24	5	1.7	3.6	5.9
FIVE POINT LAKE	11000	04/29	41	13.1	20.4	18.4
G.B.R.C. HEADQUARTER	8700	04/24	29	10.9	20.2	17.6
G.B.R.C. MEADOWS	10000	04/24	51	19.4	32.9	27.2
GARDEN CITY SUMMIT	7600	04/23	12	4.2	23.5	17.2
GEORGE CREEK	8840				-	-
GOOSEBERRY R.S.	8000	04/24	16	5.4	7.6	10.0
HARDSCRABBLE	6700	04/24	0	0.0	13.0	11.1
HARRIS FLAT	7700	04/23	0	0.0	0.0	2.9
HAYDEN FORK	9400	04/23	25	8.5	22.4	16.1
HENRY'S FORK	10000	04/29	34	11.2	14.2	13.4
HEWINTA G.S.	9500	04/23	22	7.1	10.2	10.2
HOLE-IN-THE-ROCK	9150	04/24	14	4.0	6.7	6.0
HOLE-IN-THE-ROCK GS	8300				-	0.0
HICKERSON PARK	9100	04/24	21	6.0	6.8	6.5

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

STREAMFLOW FORECASTS

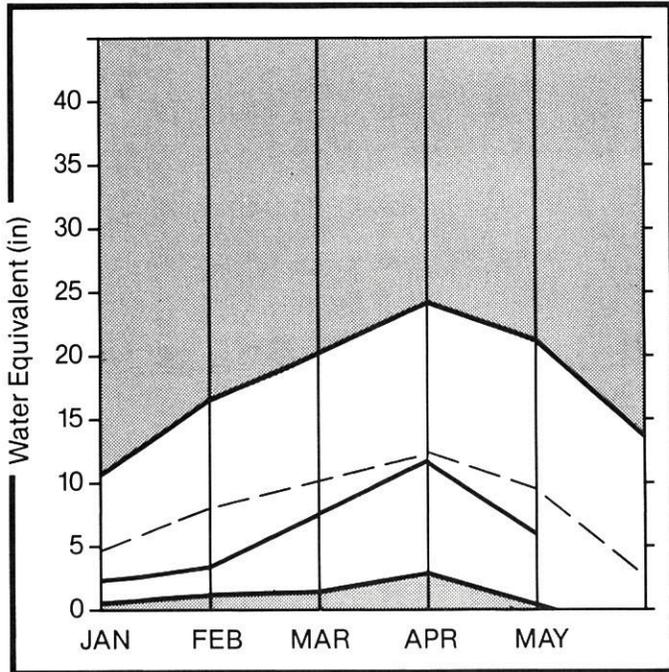
FORECAST POINT	FORECAST PERIOD	25 YR.	MOST PROBABLE	MOST PROBABLE	REAS. MAX.	REAS. MAX.	REAS. MIN.	REAS. MIN.
		AVG. (1000AF)	(1000AF)	(% AVG.)	(1000AF)	(% AVG.)	(1000AF)	(% AVG.)
VIRGIN near Hurricane	MAY-JUN	43.8	28.0	64	49.0	112	7.0	16
SANTA CLARA near Pine Valley	MAY-JUN	4.0	2.1	53				
COAL CREEK near Cedar City	MAY-JUL	16.8	9.6	57	15.0	89	6.0	36
LAKE POWELL inflow	APR-JUL	8046.0	7000.0	87	8860.0	110	5300.0	66
	MAY-JUL	6475.0	5200.0	80	6690.0	103	3840.0	59

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
GUNLOCK	10.4	7.0	9.3	---	VIRGIN RIVER	5	80	61
LAKE POWELL	25002.0	0.0	22220.0	---	PAROWAN	4	89	68
QUAIL CREEK	40.0	32.0	24.0	---	ENTERPRISE TO NEW HARMONY	2	0	0
UPPER ENTERPRISE	10.0	3.0	5.0	---	COAL CREEK	3	80	65
LOWER ENTERPRISE	2.6	0.6	1.3	---	ESCALANTE RIVER	1	182	114
					E. GARFIELD, KANE, WASHIN	12	84	61

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:

The snowpack in southwestern Utah lost twice as much melt water last month than is normal for April in response to the warmer and drier than normal weather conditions experienced during the month. Snow water ranges from 0% on the Enterprise-New Harmony snow courses to 114% of average on the Escalante River courses. Streamflow forecasts on the Virgin River, Santa Clara River and Coal Creek are 64, 53 and 57% of average respectively. Area reservoirs are still holding only about 68% of their cumulative capacity.

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

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

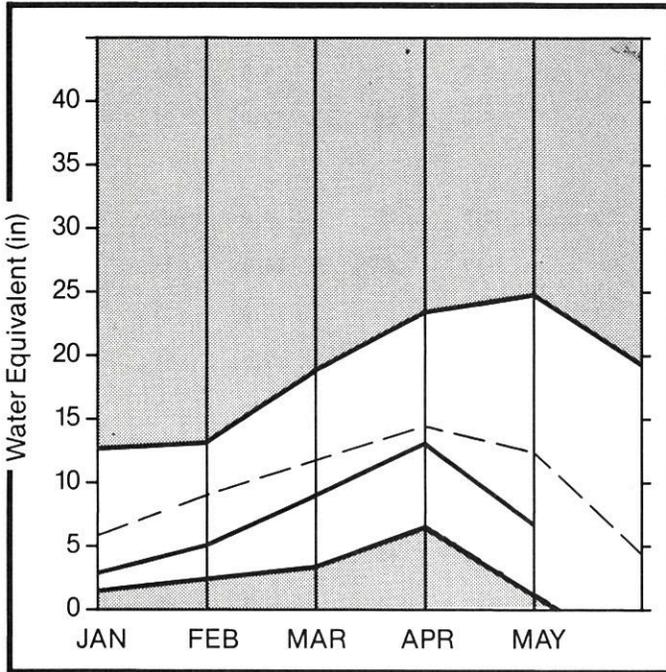
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	MAY-JUL	44.9	35.0	78	48.0	107	26.0	58
SEVIER near Circleville	MAY-JUL	36.2	25.0	69				
SEVIER near Kingston	MAY-JUL	25.7	18.0	70	34.0	132	4.0	16
ANTIMONY CREEK near Antimony	MAY-JUL	6.9	5.5	80				
E F SEVIER near Kingston	MAY-JUL	16.4	12.0	73	22.0	134	5.0	30
SEVIER blw Piute Dam	MAY-JUL	42.0	29.0	69	57.0	136	4.0	10
CLEAR CREEK near Sevier	MAY-JUL	18.5	14.8	80				
SIGURD to GUNNISON	MAY-JUL	36.4	51.0	140	85.0	234	18.0	49
KINGSTON to VERMILLION DAM	MAY-JUN	32.7	34.0	104				
VERMILLION DAM to GUNNISON	MAY-JUL	19.0	26.6	140				
SALINA CREEK at Salina	MAY-JUN	16.2	10.2	63				
SEVIER nr Gunnison	MAY-JUL	79.6	78.0	98				
CHALK CREEK near Fillmore	MAY-JUL	13.2	9.8	74	13.0	98	7.0	53
CHICKEN CREEK near Levan	APR-JUL	3.5	2.2	63	3.0	86	1.0	29
CREEK near Oak City	MAY-JUL	1.1	0.4	36	1.0	91	0.0	0
EPHRAIM CREEK near Ephraim	MAY-JUL	22.0	11.5	52				
PLEASANT CREEK near Pleasant	MAY-JUL	11.6	5.6	48				
SALT CREEK near Nephi	MAY-JUL	10.8	7.3	68	13.0	120	1.0	9
BEAVER RIVER near Beaver	MAY-JUL	24.0	19.0	79	27.0	113	11.0	46
NORTH CREEK near Beaver (combined N	MAY-JUL	12.7	10.5	83	18.0	142	3.0	24
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	8.0	90	11.0	124	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.	AVERAGE
GUNNISON	20.3	20.3	18.2	14.9	UPPER SEVIER RIVER (south	11	76	60
MINERSVILLE (RkyFd)	26.0	24.4	23.1	14.6	EAST FORK SEVIER RIVER	4	90	62
OTTER CREEK	52.6	52.6	52.5	39.5	SOUTH FORK SEVIER RIVER	7	71	60
PIUTE	71.8	69.5	65.1	44.7	LOWER SEVIER RIVER (inclu	12	51	53
SEVIER BRIDGE	236.0	211.1	223.4	136.0	BEAVER RIVER	3	39	60
QUITCH LAKE	22.3	20.3	21.5	---	SEVIER & BEAVER RIVER BAS	26	54	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.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowmelt during April was more normal as a result of above average temperature and below average precipitation. This combination of factors has brought the May 1 snowpack over the Sevier Basin to 56% of average. Forecasts of spring and summer streamflow have suffered an average reduction of 18% from the levels forecast one month ago. Forecasts now range from 36 to 140% of average. Stored water in the reservoirs on the Sevier is 151% of average and 93% of capacity.

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

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	MAY-JUL	11.1	5.9	59	8.0	72	4.0	36
SCOFIELD RESERVOIR inflow	MAY-JUL	41.5	17.0	41	24.0	58	12.0	29
PRICE near Heiner	MAY-JUL	70.0	32.0	46				
ELECTRIC LAKE Inflow	MAY-JUL	13.9	6.0	43	8.0	58	4.0	29
HUNTINGTON CREEK near Huntington	MAY-JUL	48.9	23.0	47	31.0	63	16.0	33
COTTONWOOD CREEK near Orangeville	MAY-JUL	43.0	23.0	53	36.0	84	10.0	23
FERRON CREEK near Ferron	MAY-JUL	38.0	21.0	55	29.0	76	13.0	34
MUDDY CREEK near Emery	APR-JUL	21.0	11.5	55	16.0	76	7.0	33
COLORADO near Cisco, UT	APR-JUL	3457.0	3250.0	94	4080.0	118	2525.0	73
	MAY-JUL	2649.0	2490.0	94	3130.0	118	1935.0	73
GREEN near Green Rv., UT	APR-JUL	3182.0	2100.0	66	2705.0	85	1495.0	47
	MAY-JUL	2599.0	1715.0	66	2210.0	85	1220.0	47
MILL CREEK near Moab	MAY-JUL	4.7	5.0	106	6.0	128	4.0	85
NAVAJO RESERVOIR inflow	APR-JUL	764.0	925.0	121	1140.0	149	740.0	97
	MAY-JUL	540.0	653.0	121	805.0	149	525.0	97
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1300.0	119	1640.0	150	1025.0	94
	MAY-JUL	793.0	944.0	119	1190.0	150	745.0	94
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	5.0	77	6.0	92	4.0	62

RESERVOIR STORAGE

(1000AF)

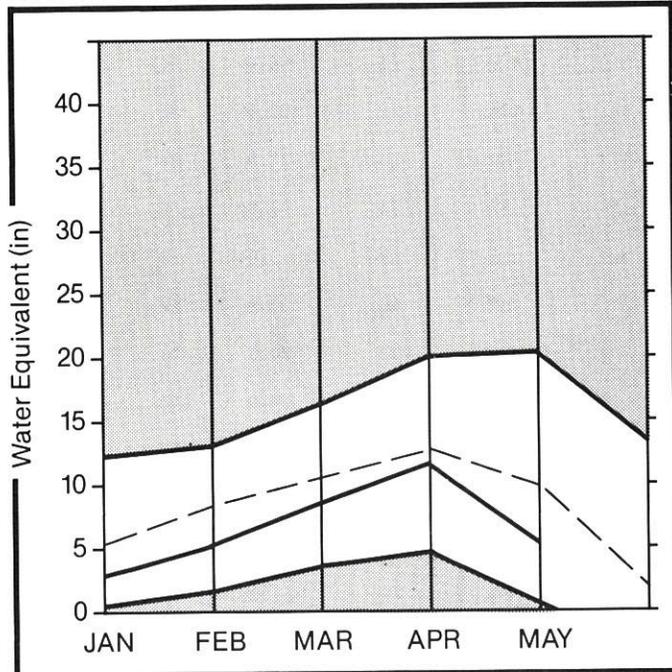
WATERSHED SNOWPACK ANALYSIS

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	4.1	3.7	3.9	PRICE RIVER	3	15	19
JOE'S VALLEY	54.6	48.2	48.1	46.8	SAN RAFAEL RIVER	7	47	54
KEN'S LAKE	2.3	1.0	1.6	---	MUDDY RIVER	2	21	18
MILL SITE	16.7	14.8	9.9	6.3	FREMONT RIVER	3	44	26
SCOFIELD	65.8	57.9	45.7	36.6	LASAL MOUNTAINS	2	129	112
					BLUE MOUNTAINS	2	355	70
					WILLOW CREEK - WHITE RIVE	0	0	0
					CARBON, EMERY, WAYNE, GRA	20	57	54

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

Snowpack in southeastern Utah ranges from 12% of average on the Book Cliffs to 112% on the La Sals following a warmer and drier than normal April which saw almost twice normal snowmelt. Water supply forecasts range from 41 to 121% of average with Mill Creek near Moab and the San Juan River being two of only four streams in the State with above average flows expected this irrigation season. Stored water in area reservoirs is more than one-third greater in volume than is normal for the end of April.

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

W SOR

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

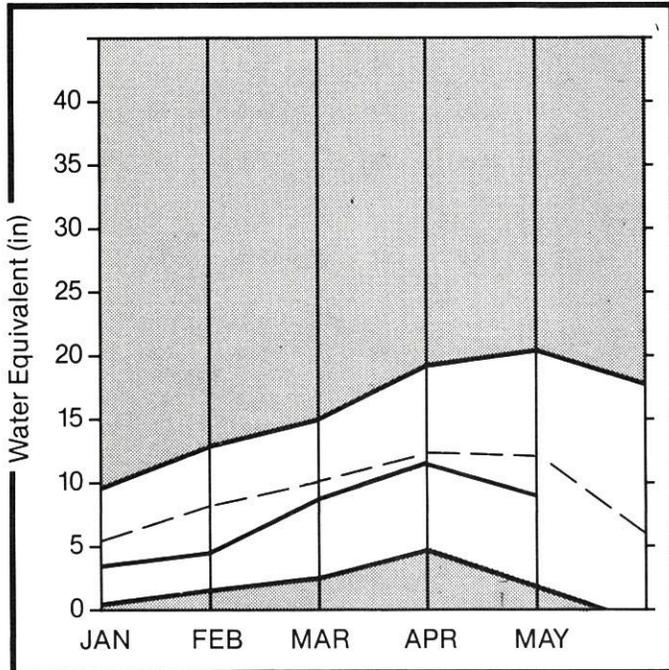
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
DUCHESNE RIVER near Tabiona	MAY-JUL	96.0	56.0	58	68.0	71	44.0	46
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	110.0	58	136.0	72	85.0	45
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	30.0	43	40.0	58	21.0	30
ROCK CREEK near Mountain Home	MAY-JUL	90.0	54.0	60	68.0	76	43.0	48
CURRENT CREEK near Fruitland	MAY-JUL	16.6	5.0	30	8.0	48	3.0	18
LAKEFORK RIVER near Mountain Home	MAY-JUL	67.0	48.0	72	59.0	88	38.0	57
YELLOWSTONE RIVER near Altonah	MAY-JUL	62.0	47.0	76	64.0	103	30.0	48
DUCHESNE near Myton	MAY-JUL	186.0	80.0	43	128.0	69	24.0	13
WHITE ROCKS RIVER near Whiterocks	MAY-JUL	57.0	43.0	75	60.0	105	26.0	46
UINTAH RIVER near Neola	MAY-JUL	84.0	62.0	77	93.0	111	31.0	37
DUCHESNE near Randlett	APR-JUL	257.0	175.0	68	347.0	135	70.0	27
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	15.5	55	20.0	71	11.0	39
HENRY'S FORK near Manila	APR-SEP	51.0	53.0	104	68.0	133	42.0	82
BLACK'S FORK near Millburne	APR-JUL	90.0	75.0	83	98.0	109	55.0	61
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	850.0	59	1110.0	77	620.0	43
	APR-JUL	1267.0	780.0	62	1010.0	80	575.0	45
ASHLEY CREEK near Vernal	MAY-JUL	50.0	37.0	74	47.0	94	29.0	58

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	
FLAMING GORGE	3749.0	3136.9	2939.0	---	UPPER GREEN RIVER in UTAH	13	59	69
MOON LAKE	35.8	27.4	25.4	18.1	ASHLEY CREEK	2	40	46
RED FLEET	26.0	20.8	19.7	---	BLACK'S FORK RIVER	3	60	70
STEINAKER	33.3	31.3	29.1	23.0	SHEEP CREEK	2	87	100
STARVATION	165.3	163.8	146.6	113.5	DUCHESNE RIVER	16	46	65
STRAWBERRY-ENLARGED	951.4	551.8	421.6	---	LAKE FORK-YELLOWSTONE CRE	3	50	80
					STRAWBERRY RIVER	4	13	19
					UINTAH-WHITEROCKS RIVERS	4	51	78
					UINTAH BASIN & DAGGET SCD	29	51	67

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:

Snowmelt on the high Uintas usually commences after mid-April with the highest sites normally avoiding melt until well into May. This year, however, the highest snow course in the State (Lakefork Basin, elevation 11,100') began melt on April 15--27 days earlier than usual. Earlier and greater (4 1/2 times) than normal melt have left May 1 snow at 67% of average. Forecasts now range from 30 to 104% of average with most forecasts in the 40 to 70% range. Reservoir storage is much above average.

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

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.)
PROVO near Hailstone	MAY-JUL	100.0	52.0	52	71.0	71	35.0	35
PROVO below Deer Creek Dam	MAY-JUL	108.0	56.0	52	82.0	76	30.0	28
AMERICAN FORK near American Fk.	MAY-JUL	30.0	20.0	67	24.0	80	17.0	57
HOBBLE CREEK near Springville	MAY-JUL	16.8	6.7	40				
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	26.0	43	37.0	62	15.0	25
PAYSON CREEK near Payson	MAY-JUL	5.8	3.1	53				
UTAH LAKE inflow	MAY-JUL	211.0	140.0	66	205.0	97	75.0	36
LITTLE COTTONWOOD CRK near SLC	MAY-JUL	38.0	26.0	68	29.0	76	24.0	63
BIG COTTONWOOD CRK near SLC	MAY-JUL	35.0	26.0	74	29.0	83	22.0	63
PARLEY'S CREEK near SLC	MAY-JUL	13.0	6.0	46	10.0	77	2.0	15
MILL CREEK near SLC	MAY-JUL	5.9	3.6	61	4.0	68	3.0	51
EMIGRATION CREEK near SLC	MAY-JUL	3.2	1.3	41				
CITY CREEK near SLC	MAY-JUL	7.8	3.8	49	5.0	64	3.0	38
SETTLEMENT CREEK near Tooele	MAY-JUL	2.1	1.8	86	3.0	143	1.0	48
SOUTH WILLOW CREEK near Grantsville	MAY-JUL	2.7	1.6	59	3.0	111	0.0	0
VERNON CREEK near Vernon	MAY-JUN	0.8	0.4	50	0.8	96	0.1	13

RESERVOIR STORAGE (1000AF)

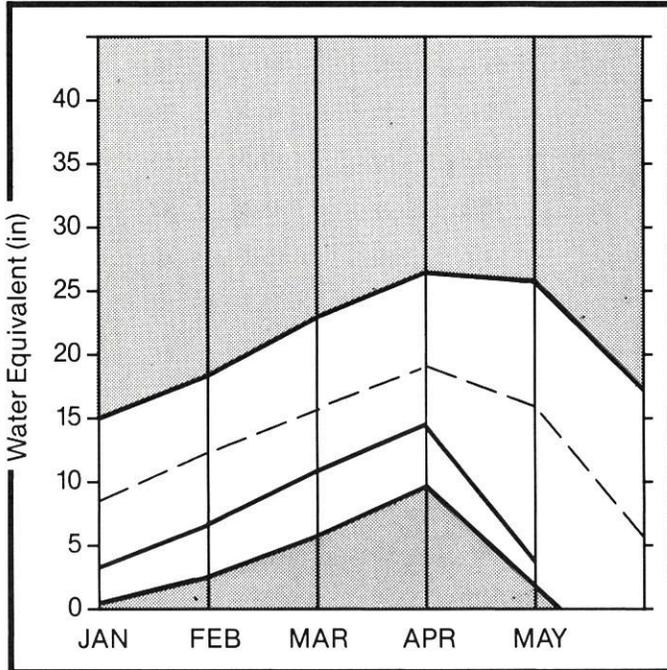
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
DEER CREEK	149.7	146.1	97.4	106.9	PROVO RIVER & UTAH LAKE	10	22	28
GRANTSVILLE	3.3	3.2	3.3	---	PROVO RIVER	5	18	26
SETTLEMENT CREEK	1.0	0.8	0.9	0.7	JORDAN RIVER & GREAT SALT	5	20	23
STRAWBERRY-ENLARGED	951.4	551.8	421.6	---	TOOELE VALLEY WATERSHEDS	3	37	31
UTAH LAKE	883.9	849.0	1248.6	766.8	UTAH LAKE, JORDAN RIVER &	18	23	27
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.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

During an average April the Provo R.-Utah Lake-Jordan R. watershed only loses 3.1 inches of snow water to melt. This April the watershed lost 10.7 inches--almost three and one-half times normal April melt. The abnormally high melt combined with below normal April 1 snowpack have left May 1 snowpack at only 27% of normal. Streamflow forecasts, down an average of 15% from last month, now range from 40 to 86% of average. Reservoir storage is above average.

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

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.)
WEBER RIVER near Oakley	MAY-JUN	93.0	71.0	76	86.0	92	57.0	61
ROCKPORT RESERVOIR inflow	MAY-JUN	102.0	68.0	67	92.0	90	46.0	45
CHALK CREEK near Coalville	MAY-JUN	34.0	25.0	74	35.0	103	17.0	50
WEBER RIVER near Coalville	MAY-JUN	105.0	69.0	66	93.0	89	46.0	44
LOST CREEK near Croyden	MAY-JUN	11.2	5.6	50	9.0	80	2.0	18
EAST CANYON CREEK near Morgan	MAY-JUN	19.0	11.0	58	18.0	95	7.0	37
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	12.0	65	19.0	103	5.0	27
SOUTH FORK OGDEN RIVER near Huntsvil	MAY-JUN	43.0	25.0	58	37.0	86	15.0	35
PINEVIEW RESERVOIR inflow	MAY-JUN	74.0	30.0	41	45.0	61	17.0	23
WHEELER CREEK near Huntsville	APR-JUL	6.5	3.8	58	5.0	77	3.0	46
ECHO RESERVOIR inflow	MAY-JUN	128.0	85.0	66	114.0	89	57.0	45
WEBER RIVER at Gateway	APR-JUN	328.0	225.0	69	287.0	88	163.0	50
FARMINGTON CREEK near Farmington	MAY-JUL	6.7	4.2	63	7.0	104	2.0	30

RESERVOIR STORAGE (1000AF)

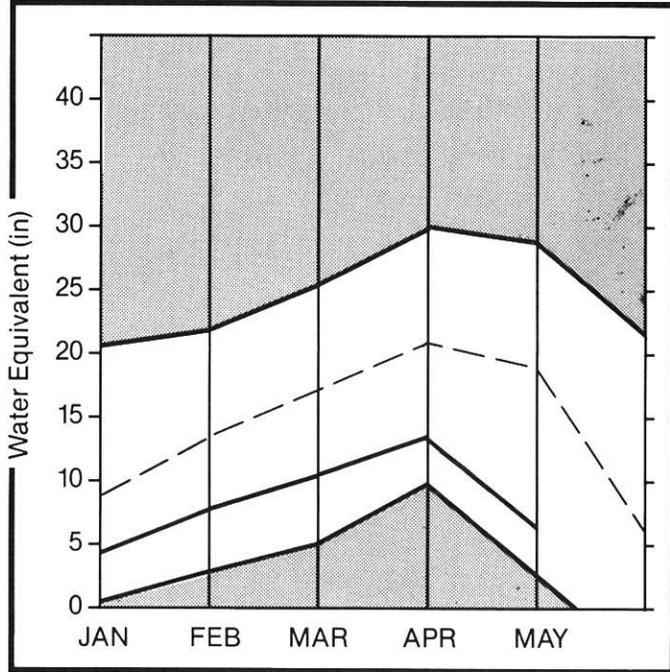
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
CAUSEY	6.9	7.1	2.9	2.6	OGDEN RIVER	4	24	31
EAST CANYON	48.1	44.1	40.2	41.5	WEBER RIVER	15	27	36
ECHO	73.9	70.7	26.9	54.2	WEBER & OGDEN WATERSHEDS	19	26	35
LOST CREEK	20.0	19.0	14.2	14.3				
PINEVIEW	110.1	67.7	78.6	76.6				
ROCKPORT	60.9	45.1	24.1	36.8				
WILLARD BAY	165.5	165.1	160.1	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.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum		Average	
Minimum		Current	

WATER SUPPLY OUTLOOK:

April snowmelt was more than twice normal as a result of record warm temperatures and below average precipitation. High temperatures and low precipitation coupled with an already low snowpack have produced a May 1 snowpack with only 35% as much water content as usual. Streamflow forecasts for the May-June period fell an average of 11% from levels forecast last month as a result of below normal April precipitation. All reservoirs have above average water in storage except Pineview which will not fill.

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

BEAR RIVER BASIN

STREAMFLOW FORECASTS

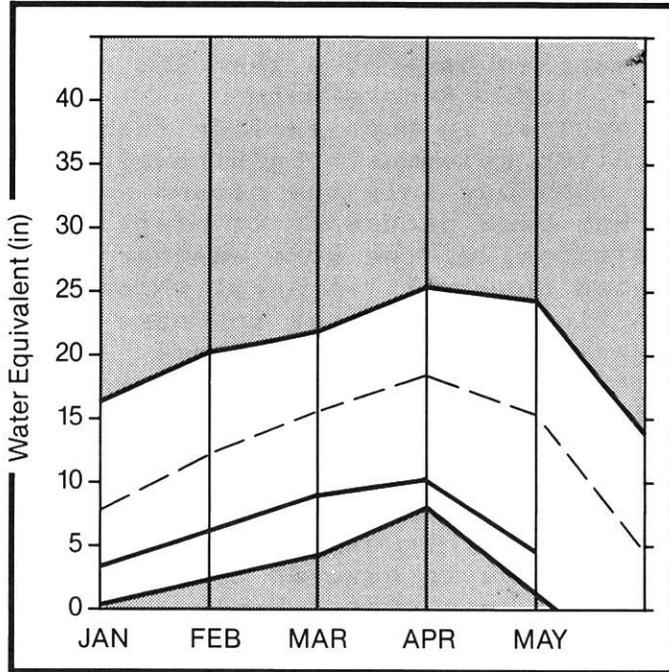
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	MAY-JUL	105.0	66.0	63	81.0	77	54.0	51
BEAR near Woodruff	MAY-JUL	126.0	60.0	48	97.0	77	36.0	29
WOODRUFF CREEK near Woodruff	MAY-JUL	15.1	6.8	45	10.0	66	4.0	26
BIG CREEK near Randolph	APR-JUL	5.3	3.0	57	6.0	113	0.8	15
BEAR near Randolph	MAY-JUL	95.0	39.0	41	83.0	87	10.0	11
THOMAS FORK near Stateline	APR-SEP	37.0	10.0	27	17.0	46	4.0	11
SMITHS FORK near Border	APR-SEP	122.0	50.0	41	75.0	61	35.0	29
BEAR RIVER near Harer	APR-SEP	326.0	93.0	29	155.0	48	38.0	12
LOGAN RIVER near Logan	MAY-JUL	107.0	60.0	56	75.0	70	46.0	43
BLACKSMITH FORK near Hyrum	MAY-JUL	38.0	14.1	37	27.0	71	3.0	8
LITTLE BEAR RIVER near Paradise	MAY-JUN	29.0	10.7	37	21.0	72	3.0	10
CUB RIVER near Preston	MAY-JUL	42.9	15.8	37	31.0	72	5.0	12

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	
BEAR LAKE	1421.0	1118.9	1123.8	1059.0	BEAR RIVER, UPPER IN UTAH	6	31	42
HYRUM	15.3	15.4	11.2	13.2	BEAR RIVER, LOWER IN UTAH	8	19	25
PORCUPINE	11.3	11.3	11.8	9.5	BEAR RIVER DRAINAGE IN UT	13	24	32
WOODRUFF NARROWS	55.8	57.8	57.7	---	BEAR RIVER, UPPER (above	12	25	36
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER (below	11	14	19
					BEAR RIVER DRAINAGE	21	20	27
					LOGAN RIVER	5	17	24
					RAFT RIVER	0	0	0
					BEAR RIVER BASIN	23	21	28

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.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Snow surveys taken the last week in April on the Bear River watershed reveal the effects of the record warm temperatures and low precipitation experienced during the month. Snowpack over the entire drainage is only 28% of normal. The amount of snow water lost to melt was more than twice as great as usual this April. Forecasts of spring and summer streamflow now range from 27 to 63% of average assuming normal precipitation during the remainder of the forecast period. Reservoir storage is above average.

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

generally 45-75% of normal in the North, 60 to 85% in the South and near normal over eastern areas of the State.

RESERVOIRS:

Twenty-six key irrigation reservoirs in Utah are holding 88% of their accumulated useable capacity which is 117% of average for the end of April. About half of the reservoirs sampled have more than 95% of their useable capacity filled. Record warm temperatures in April resulted in much earlier than normal demand for irrigation releases. On Strawberry Reservoir, for example, this was only the second year in the last 27 that it has been necessary to start releases in April. Additionally, the warm weather produced greatly increased snow melt in April which will reduce late season flows and further increase the demand for stored water. Much below average precipitation in April also increased demand for and decreased the supply of stored water.

STREAMFLOW:

The abnormally warm and dry weather experienced in April has had and will continue to have an impact on the runoff timing and volume this year. Early and rapid snow melt will lead to early runoff peaks but low late-season flows. With numerous precipitation stations in northern Utah reporting seasonal accumulations in the bottom 10% of their record, there may be some reason for concern if dry conditions persist. The majority of "most probable" forecasts across the State now range from 30 to 70% of average assuming normal precipitation through the forecast period. If below normal precipitation persists, observed flows may more nearly approximate the "reasonable minimum" forecasts presented in this report. If "reasonable minimum" flows materialize, unforeseen water shortages may also materialize, especially in areas where stored water is unavailable.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

GENERAL OUTLOOK

SUMMARY:

Much warmer and drier weather than normal in April produced melt on some sites nearly a month earlier than usual and caused the loss of two to more than four times more water to melt than normal. Earlier and heavier than normal melt will compress the runoff season and reduce late season streamflow levels. Persistence of below normal precipitation will necessitate an increased reliance on stored water. Water shortages are expected to materialize in areas relying on natural streamflow and areas lacking adequate stored water. Timely, above normal precipitation could reduce the impact of impending shortfalls.

SNOWPACK:

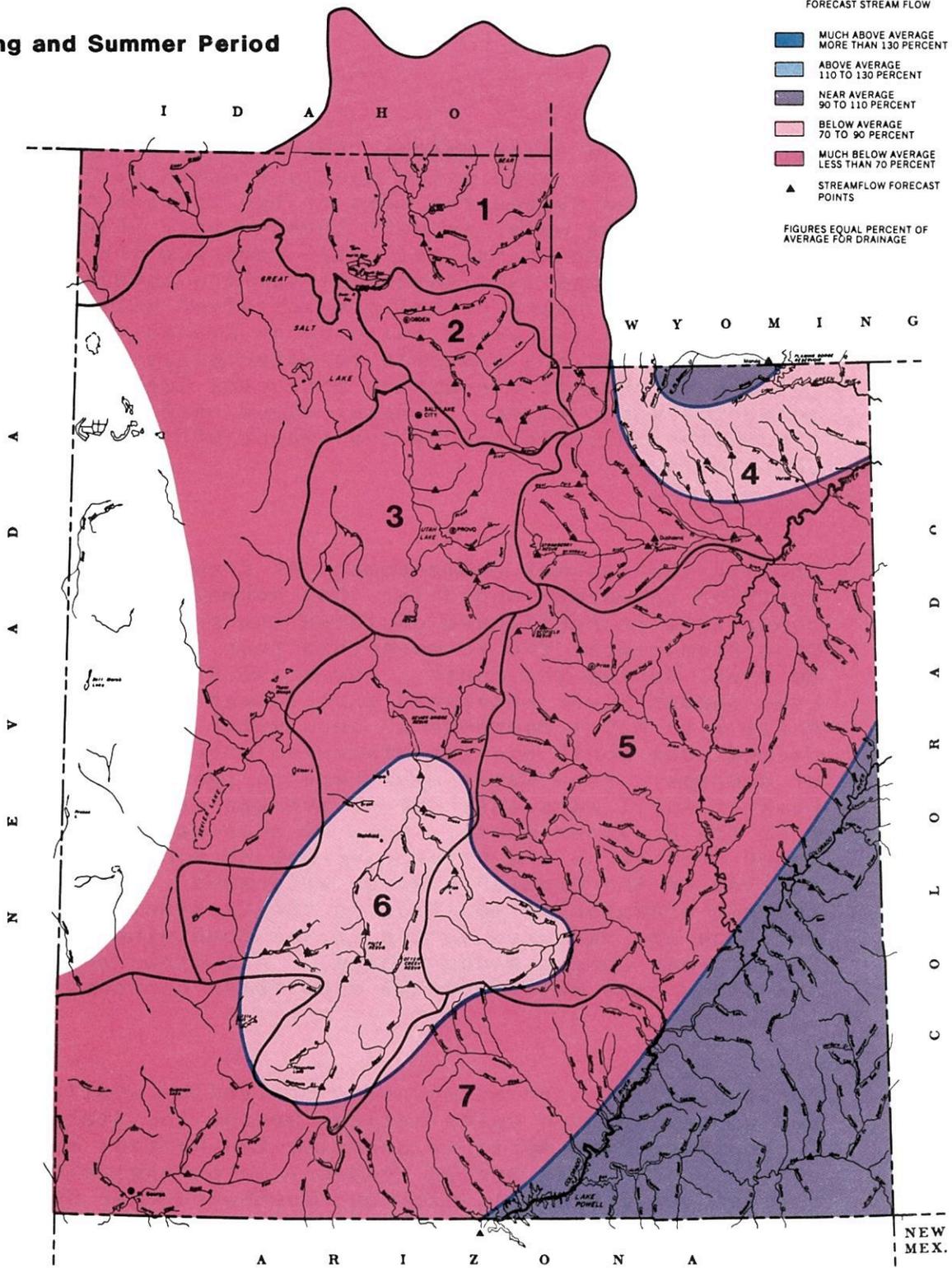
Earlier than normal commencement of snowmelt in addition to warmer and drier than normal weather conditions in April have depleted the snowpack in Utah from almost two to more than four times as much as usual during the month. The Provo River-Utah Lake-Jordan River watershed experienced the greatest April 1 to May 1 decrease in snow water content on record. One month ago the statewide snowpack was 77% of average. Snow water measurements taken the last week of April were only 45% of average--a drop of 32% from the previous month. Area by area percentages range from 0% on the Enterprise-New Harmony drainages to 114% on the Escalante River watershed. Near average snowpack in addition to the Escalante River drainage was measured on the La Sal Mountains and on Sheep Creek (north slope Uintas). All other areas of the State have below average snow water content.

PRECIPITATION:

April precipitation at mountain and valley stations was generally much below average across the State. In northern Utah April is normally the wettest month of the year. This April, however, an extensive area east of the Great Salt Lake and southward over Utah Lake received less than 20% of normal. Some stations reported the lowest April amounts ever recorded dating back to the early 1900's (Deer Creek Dam-3%, Echo Dam-4% and Morgan-5%). Elsewhere in northern Utah precipitation amounts were generally 10 to 40% of average. April precipitation in southern Utah was generally 30 to 60% and eastern Utah was 40 to 80% of normal. October through April precipitation is

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.

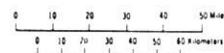


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Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah



Utah Water Supply Outlook

June 1, 1987



GENERAL OUTLOOK

SUMMARY:

The heavy rains during the latter half of May have brightened the prospects for adequate water supplies this growing season but, with mid-summer flows of only 20-60% of average projected, water users relying on natural streamflow rather than stored water could be facing water shortages by mid-summer without continued heavy precipitation.

SNOWPACK:

Snowpack on June 1, following below normal accumulation and early melt this winter season, was only 15% of average statewide. Percentages range from 0% in southeastern Utah to 40% of the June 1st. average on the Uintas. Only the most protected snow courses in the highest accumulation areas at elevations greater than 9500 feet were still reporting snow. The Snowbird-Gad Valley snow course, for example, at 9700 feet had 5.2 inches of water content this year versus the long-term average of 29.5 inches. The heavy rains during the last half of May came in the form of snow at higher elevations which augmented the snowpack or at least slowed the melt rate. Without the May storms the snowpack could have possibly been exhausted prior to June 1.

PRECIPITATION:

Precipitation at mountain stations during May ranged from much below average on the Lower Sevier to much above average on the Upper Provo. Trial Lake, on the Upper Provo, received 8.6 inches of precipitation last month making this May the wettest since records began in 1952. Only two areas reported below normal precipitation--the extreme eastern end of the Uintas and an area in southwestern Utah running approximately from Fillmore to Enterprise. Elsewhere, rainfall amounts ranged from near normal on the Weber watershed to much above average over the remainder of the State. Valley precipitation during May followed the same trend as was reported at mountain stations with some stations in northwestern Utah receiving record rainfall while extremely dry weather was experienced from Scipio to Milford. Seasonal precipitation, October through May, is below normal over most of northern and central Utah, near normal over the western deserts and above normal at some eastern Utah stations.

RESERVOIRS:

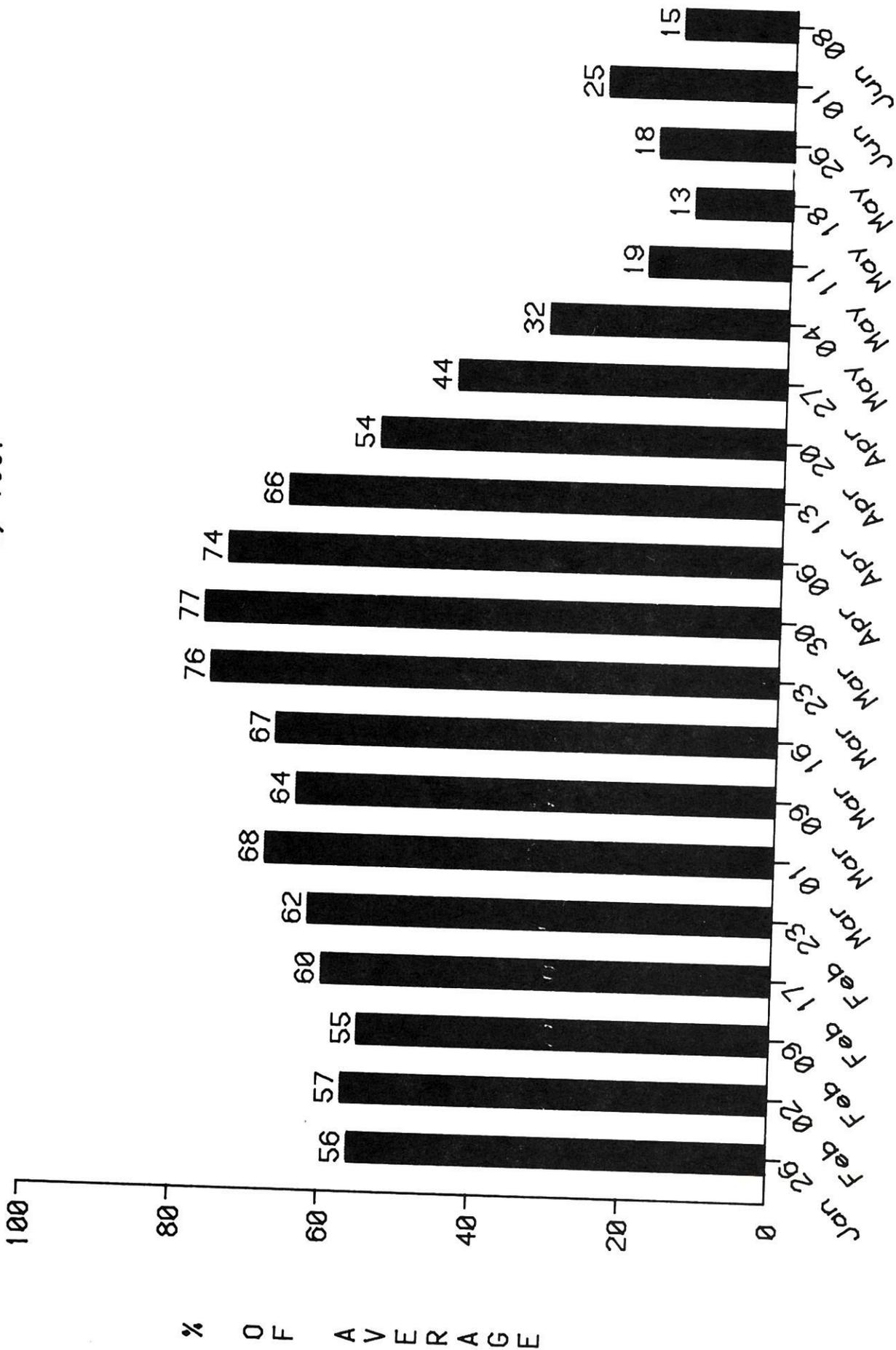
A sampling of 23 key irrigation reservoirs at the end of May showed useable stored water at 86% of capacity which is 109% of average for this time of year. Heavy rainfall during the last half of May enabled reservoir operators in northern Utah to reduce irrigation releases and, in some instances, refill reservoirs which had filled but had been drawn down due to heavy, early release demands. The importance of the May rains to late season reservoir storage cannot be overstated. They may mean the difference between shortages or adequate water supplies as the meager snowmelt runoff declines in the summer months. Reservoir storage now ranges from 66% of capacity in Pineview to 109% in Joes Valley.

STREAMFLOW:

Record high rainfall on some areas of northern Utah during May increased flow from the levels that could have been expected from melt of the sub-normal snowpack. May streamflow ranged from one-fifth normal for inflow to Pineview Reservoir to slightly above normal on the Upper Bear. As the summer progresses streamflow is expected to decline to 20-60% of normal in many areas. Late summer flows on the Weber, Provo, Bear and Duchesne Rivers, for example, are forecast in the 40 to 60% of normal range. Water users relying on surface water supplies rather than stored or pumped water are likely to experience some shortages by mid-summer. Users relying on stored water will have adequate supplies in most areas.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

STATEWIDE SNOOTEL PACK PROGRESS
 SNOTEL DATA
 As of June 8, 1987



1987 SNOWPACK COMPARIISON

June 1, 1987

06/01 AVERAGE

06/01/87
06/01/86

