United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

January 1, 1986

Utah
Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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In cooperation with

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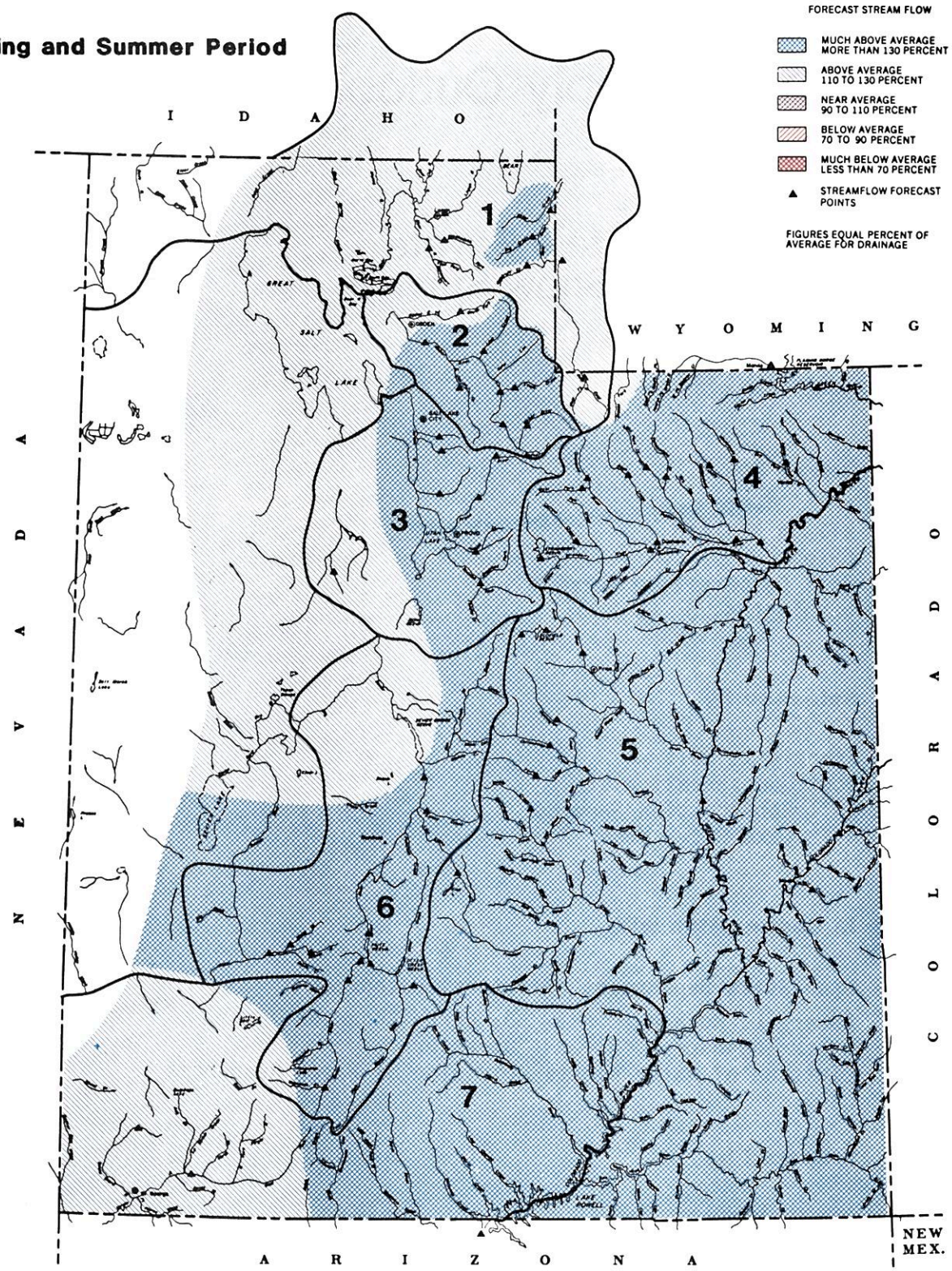
Streamflow Prospects for Utah

Spring and Summer Period



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

SUMMARY:

Excellent water supplies are forecasted for this season with the heavy fall precipitation and early snowfalls. Saturated mountain soil profiles and current snowpacks ranging from normal to twice normal support forecasts of spring and summer streamflows of the same magnitude

SNOWPACK:

Snowpack on all watersheds of the state which were surveyed was greater than normal for January 1. Southwestern Utah, compared to average, had the least snow with 114% while the Uinta Mountains came in at an impressive 174%.

PRECIPITATION:

Precipitation at mountain stations was well above average over the entire State for the October through December period ranging from 121% in the southwest to 163% over the Uinta Mountains.

RESERVOIRS:

Storage in 26 of the major reservoirs in Utah as of the end of December was at 134% of average for that date. Carryover was very good again this year in most reservoirs in the state.

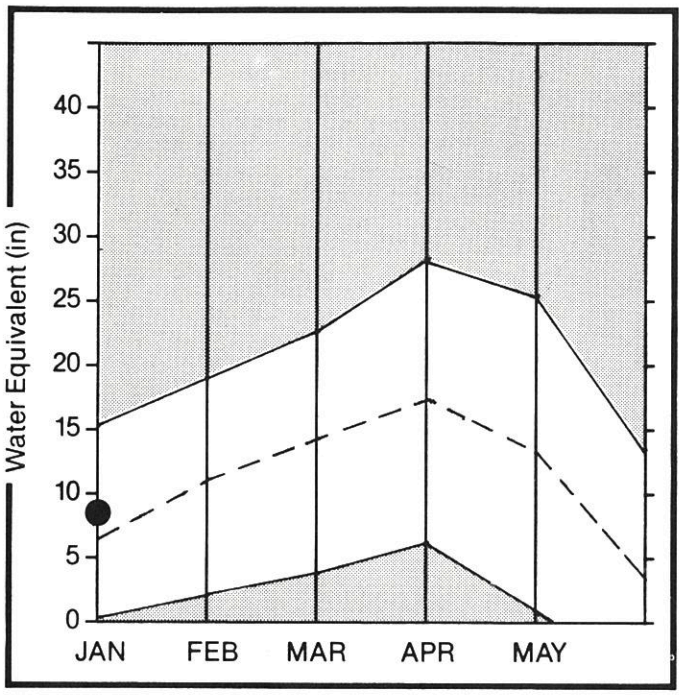
STREAMFLOW:

Water supply forecasts throughout the state are near to much above average ranging from 90% for South Willow Creek near Grantsville to more than three times average on 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

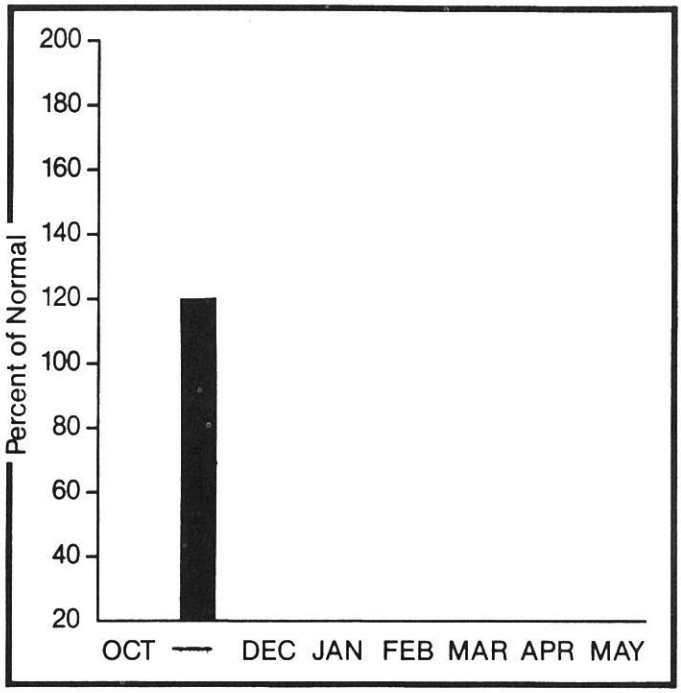
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River Watershed stands at 134% of the January 1 average. Snowpack on the Logan River is 131% of normal for this time of year. Streamflow forecasts range from 102% for Smith's Fork near Border to 137% for Big Creek near Randolph. Seasonal precipitation (October through December) is at 121% of average. Reservoir storage ranges from 103% of average in Hyrum Reservoir to 221% in Porcupine Reservoir.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	APR-JUL	110.0	127.0	115.0	145.5	82.7	1700			
BEAR near Woodruff	APR-JUL	139.0	153.0	110.0	164.0	53.2				
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	19.4	112.0	138.7	80.9	271			
BIG CREEK near Randolph	APR-JUL	5.3	7.3	137.0	188.7	75.5	60			
BEAR near Randolph	APR-JUL	110.0	143.0	130.0	197.3	62.7				
THOMAS FORK near Stateline	APR-SEP	35.0	36.0	102.0	131.4	74.3				
SMITHS FORK near Border	APR-SEP	119.0	122.0	102.0	130.3	74.8				
BEAR RIVER near Harer	APR-SEP	310.0	325.0	104.0	145.8	71.0				
LOGAN RIVER near Logan	APR-JUL	116.0	134.0	115.0	145.7	89.7	1140			
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	58.0	113.0	164.7	68.6				
LITTLE BEAR RIVER near Paradise	APR-JUN	38.0	45.6	120.0	178.9	63.2	520			
CUB RIVER near Preston	APR-JUL	46.8	51.0	108.0	175.1	66.2				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BEAR LAKE	1421.0	1073.7	1095.3	973.3
HYRUM	15.3	10.3	10.3	10.0
PORCUPINE	11.3	6.2	3.9	2.8
WOODRUFF NARROWS		NO REPORT		
WOODRUFF CREEK		NO REPORT		

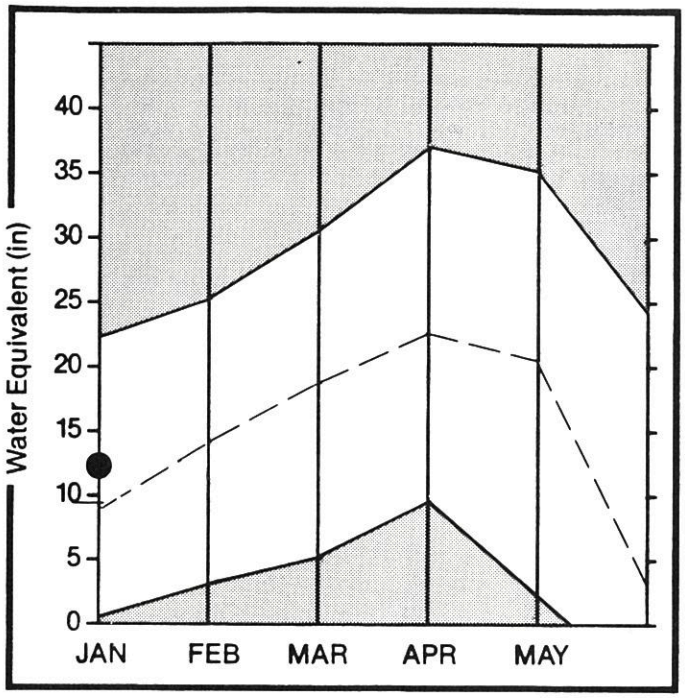
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR RIVER, UPPER IN UTAH	5	92	134
BEAR RIVER, LOWER IN UTAH	10	83	147
BEAR RIVER DRAINAGE IN UT	15	85	143
BEAR RIVER, UPPER (above	11	101	123
BEAR RIVER, LOWER (below	13	92	145
BEAR RIVER DRAINAGE	23	96	133
LOGAN RIVER	5	75	131
BAFT RIVER	0	0	0
BEAR RIVER BASIN	27	91	134

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Weber & Ogden Watersheds

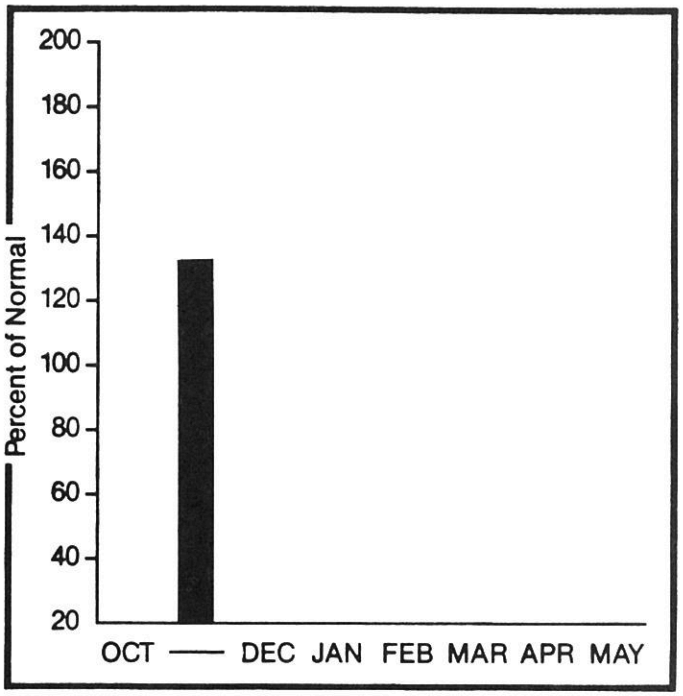
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River Watershed is 145% of the January 1 average. Ogden River snowpack is 154% of normal. Streamflow forecasts range from 121% of average for Pineview Reservoir Inflow to 160% for Chalk Creek near Coalville. Precipitation for the October through December period averaged 133% of normal across the basin. Reservoir storage as of the end of December stood at 136% of average and 78% of total usable capacity.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WEBER RIVER near Oakley	APR-JUN	102.0	142.0	139.0	176.5	105.9	2002			
ROCKPORT RESERVOIR inflow	APR-JUN	111.0	163.0	146.0	198.2	100.9				
CHALK CREEK near Coalville	APR-JUN	36.0	58.0	160.0	211.0	125.0	860			
WEBER RIVER near Coalville	APR-JUN	119.0	177.0	148.0	195.8	110.9				
LOST CREEK near Croyden	APR-JUN	15.6	20.7	132.0	198.7	70.5				
EAST CANYON CREEK near Morgan	APR-JUN	25.0	32.0	128.0	184.0	80.0				
HARDSCRABBLE CREEK near Porterville	APR-JUL	18.4	24.0	130.0	206.5	54.3				
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	57.0	70.0	122.0	157.9	82.5				
PINEVIEW RESERVOIR inflow	APR-JUN	115.0	140.0	121.0	150.4	86.1				
ECHO RESERVOIR inflow	APR-JUN	145.0	218.0	150.0	197.0	112.0				
WEBER RIVER at Gateway	APR-JUN	300.0	420.0	140.0	177.0	105.0				
FARMINGTON CREEK near Farmington	APR-JUL	8.2	10.0	121.0	195.1	48.8				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CAUSEY	6.9	1.9	5.2	2.1
EAST CANYON	48.1	41.0	46.6	33.3
ECHO	73.9	57.5	69.0	41.4
LOST CREEK	20.0	15.3	16.9	12.7
PINEVIEW	110.1	68.9	74.0	50.0
ROCKPORT	60.9	38.5	48.0	34.1
WILLARD BAY	165.5	155.1	168.2	104.9

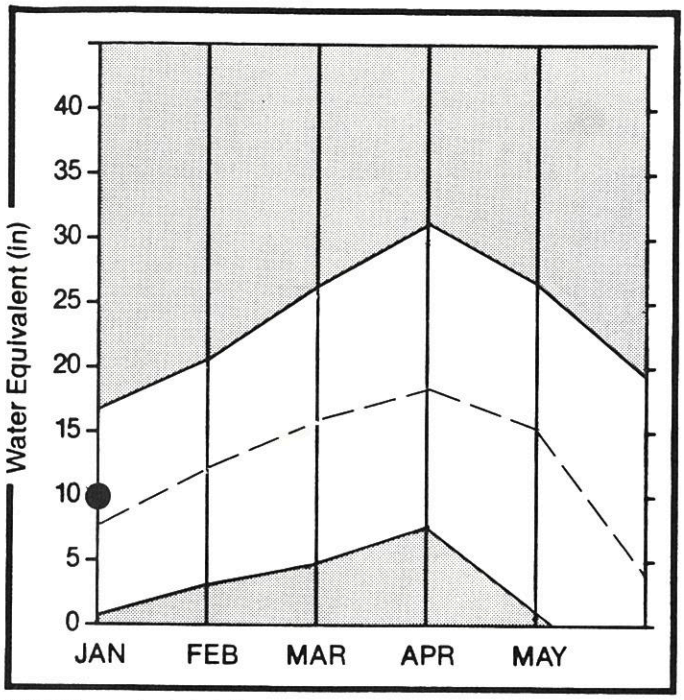
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
OGDEN RIVER	4	75	154
WEBER RIVER	13	84	145
WEBER & OGDEN WATERSHEDS	17	81	147

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

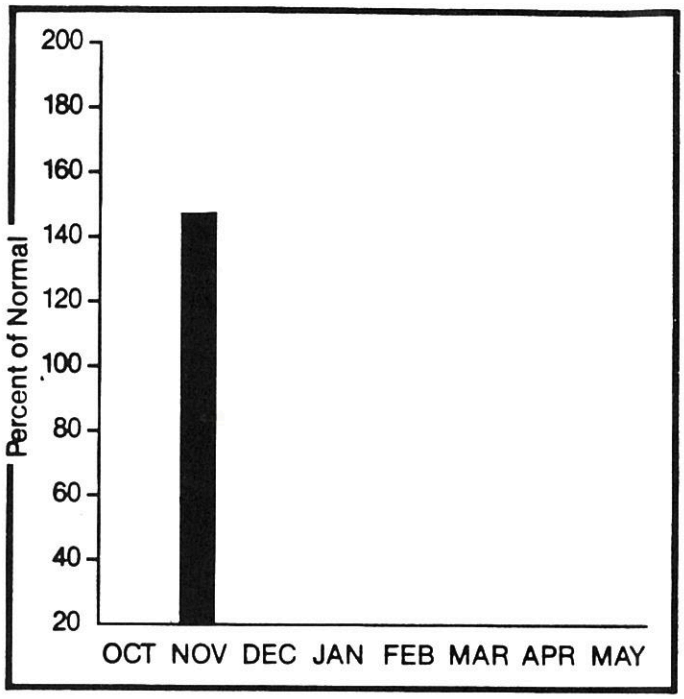
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Provo River is 152% of normal for the first of January. Snowpack for the entire Utah Lake drainage is 134% of average. The drainages along the Wasatch front east of Salt Lake Valley have 124% of normal snowpack. Streamflow forecasts range from near normal in Tooele County to more than twice normal on Emigration Creek near Salt Lake City. Mountain precipitation totals for October through December were 148% of average. Reservoir storage is 148% 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	APR-JUL	106.0	145.0	136.0	179.9	98.1				
PROVO below Deer Creek Dam	APR-JUL	118.0	170.0	144.0	184.7	95.8				
AMERICAN FORK near American Fk.	APR-JUL	31.0	44.0	142.0	242.0	58.0				
HOBBLE CREEK near Springville	APR-JUL	18.7	30.0	160.0	273.0	64.0				
STRAWBERRY RESERVOIR inflow	APR-JUL	53.0	88.0	166.0	194.3	128.3				
PAYSON CREEK near Payson	APR-JUL	6.2	9.1	146.0	250.0	41.0				
UTAH LAKE inflow	APR-JUL	238.0	425.0	178.0	229.4	128.6				
LITTLE COTTONWOOD CRK near SLC	APR-JUL	38.0	48.0	126.0	144.7	100.0				
BIG COTTONWOOD CRK near SLC	APR-JUL	37.0	50.0	135.0	151.4	116.2				
PARLEY'S CEEK near SLC	APR-JUL	14.8	21.0	141.0	182.4	108.1				
MILL CREEK near SLC	APR-JUL	5.8	9.0	155.0	206.9	103.4				
EMIGRATION CREEK near SLC	APR-JUL	3.7	9.0	243.0	414.2	100.0				
CITY CREEK near SLC	APR-JUL	7.7	11.0	142.0	243.9	59.0				
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	2.3	100.0	143.0	57.0				
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.7	90.0	166.7	33.3				
VERNON CREEK near Vernon	APR-JUN	827.0	992.0	119.0	183.9	56.0				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	128.0	123.3	93.5
SETTLEMENT CREEK	1.0	0.8	0.0	0.6
STRAWBERRY-ENLARGED	951.4	506.0	271.7	---
UTAH LAKE	883.9	900.0	1155.4	601.6
VERNON CREEK	0.6	0.2	0.0	0.4

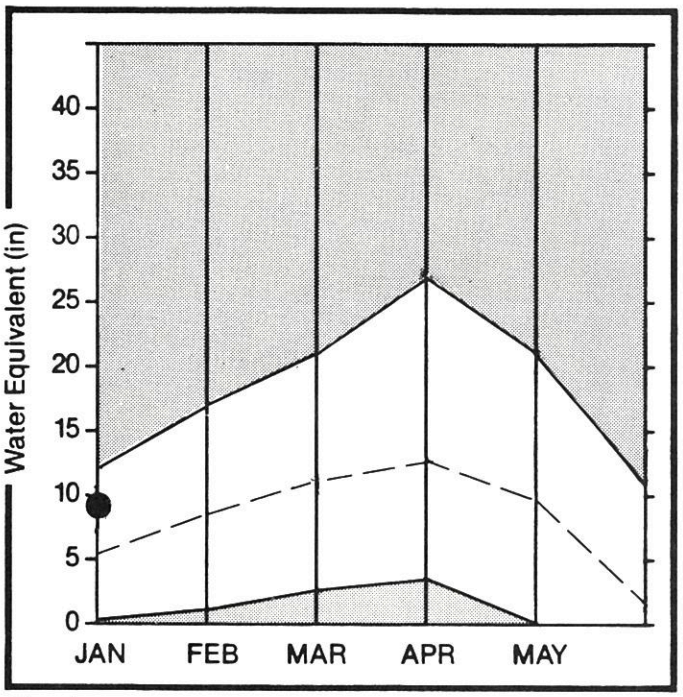
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	9	92	134
PROVO RIVER	4	108	152
JORDAN RIVER & GREAT SALT	5	72	124
TOOELE VALLEY WATERSHEDS	6	0	0
UTAH LAKE, JORDAN RIVER &	14	83	130

*Corrected for upstream diversions or changes in reservoir storage.
** Ave is for 1961-80 period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



*Based on selected stations

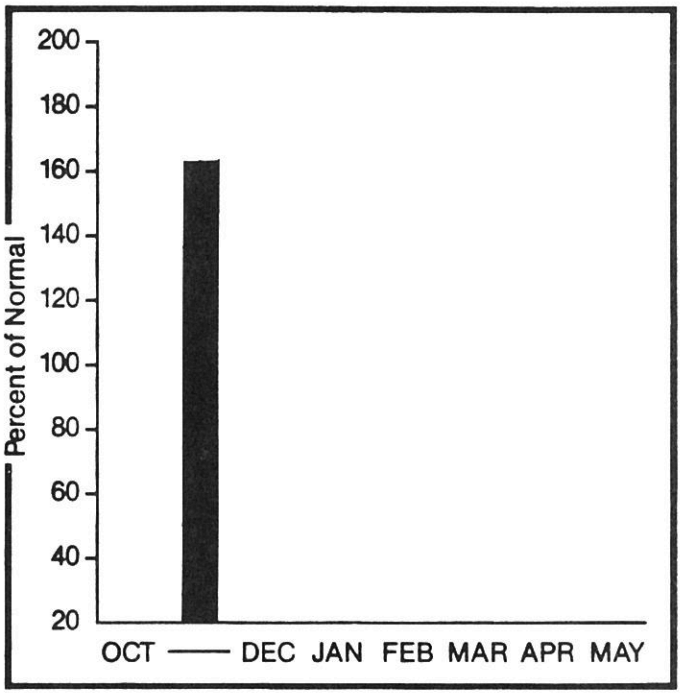
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

January 1 snowpack on drainages in the Uintas was well above average ranging from 133% on Ashley Creek to 224% on Lakefork-Yellowstone Creeks. The ten courses on the Duchesne River averaged 90% above normal. Streamflow forecasts range from 125% for Black's Fork near Millburne to 202% for the Duchesne near Myton. October through December precipitation was 163% of average. Stored water in the reservoirs of the Uintah Basin is 143% 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	150.0	142.0	168.6	111.4				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	275.0	145.0	176.7	115.3				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	95.0	163.0	237.9	89.7	890			
ROCK CREEK near Mountain Home	APR-JUL	93.0	135.0	145.0	179.6	118.3	1980			
CURRANT CREEK near Fruitland	APR-JUL	20.0	31.0	155.0	200.0	110.0				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	95.0	135.0	170.0	107.1				
YELLOWSTONE RIVER near Altonah	APR-JUL	65.0	88.0	135.0	172.9	99.9				
DUCHESNE near Myton	APR-JUL	205.0	415.0	202.0	[illegible]	145.4				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	58.0	88.0	151.0	173.1	110.7				
UINTAH RIVER near Neola	APR-JUL	86.0	130.0	151.0	173.0	109.3				
DUCHESNE near Randlett	APR-JUL	257.0	500.0	194.0	268.5	120.[illegible]				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	37.5	144.0	176.9	107.7				
HENRY'S FORK near Manila	APR-SEP	48.0	67.0	139.0	185.0	104.2				
BLACK'S FORK near Millburne	APR-JUL	90.0	113.0	125.0	200.0	51.1				
FLAMING GORGE RESERVOIR inflow	APR-JUL	1248.0	1560.0	125.0	160.0	94.0				
ASHLEY CREEK near Vernal	APR-JUL	51.0	69.0	135.0	168.6	107.8				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	3117.0	3373.0	---
MOON LAKE	35.8	17.6	24.8	13.6
RED FLEET	26.0	19.0	18.8	---
STEINAKER	33.3	29.0	29.5	18.2
STARVATION	165.3	149.0	124.2	105.2
STRAWBERRY-ENLARGED	951.4	506.0	271.7	---

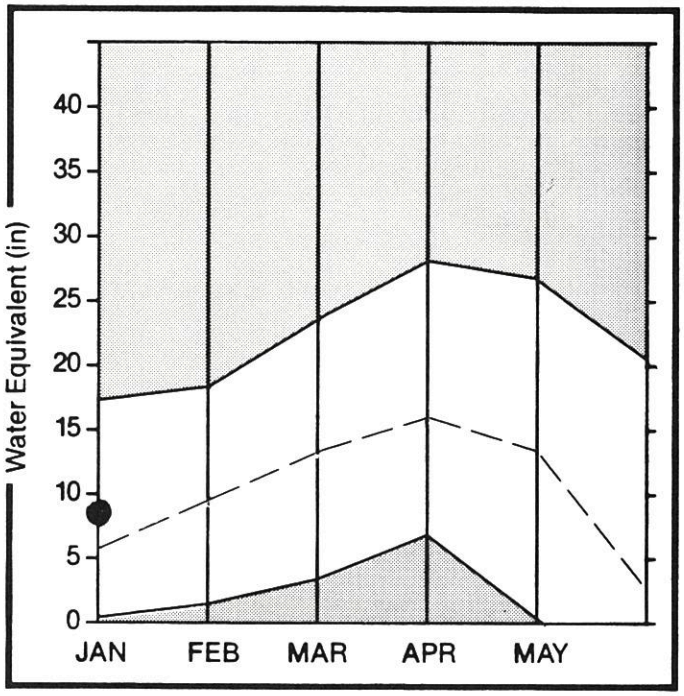
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	8	108	140
ASHLEY CREEK	2	102	133
BLACK'S FORK RIVER	3	104	139
SHEEP CREEK	2	134	157
DUCHESNE RIVER	10	107	190
LAKE FORK-YELLOWSTONE CRE	3	113	224
STRAWBERRY RIVER	4	105	169
UINTAH-WHITEROCKS RIVERS	2	113	174
UINTAH BASIN & DAGGET SCD	19	107	174

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

Mountain snowpack* (inches)



*Based on selected stations

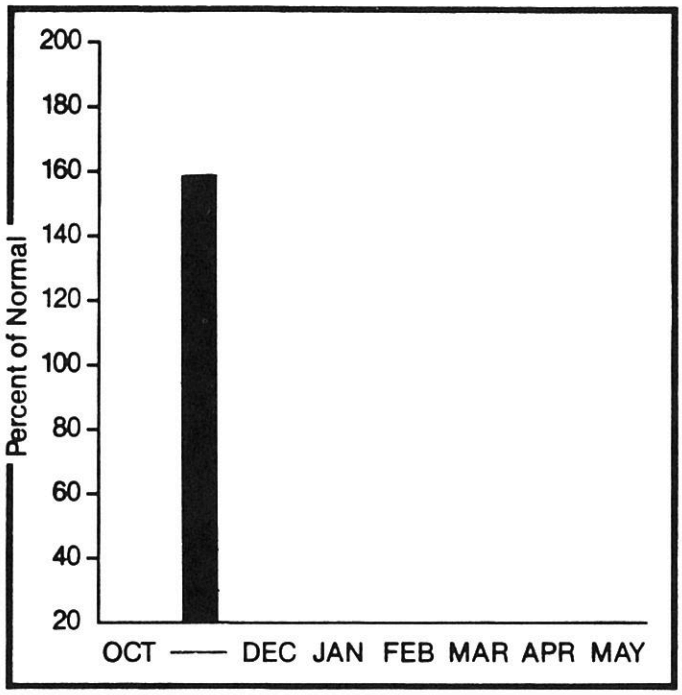
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on Southeastern Utah watersheds ranges from 121% of average on the Blue Mountains to 153% for the San Rafael. Streamflow is forecast 110% for Seven Mile Creek near Fish Lake ranging upward to 156% for Ferron Creek near Ferron. Precipitation at mountain stations for the October through December period was 159% of normal. Reservoir storage stands at 132% of average for the four area reservoirs with an established average ranging from 113% for Joe's Valley to 243% for Millsite.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	14.0	130.0	222.0	54.0				
SCOFIELD RESERVOIR inflow	APR-JUL	38.0	52.0	136.0	178.9	102.6				
PRICE near Heiner	APR-JUL	63.0	95.0	150.0	256.0	62.0				
HUNTINGTON CREEK near Huntington	APR-JUL	49.0	75.0	153.0	198.0	118.4				
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	73.0	155.0	193.6	117.0				
FERRON CREEK near Ferron	APR-JUL	37.0	58.0	156.0	200.0	113.5	654			
MUDDY CREEK near Emery	APR-JUL	18.5	26.0	140.0	200.0	81.1	223			
COLORADO near Cisco, UT	APR-JUL	3046.0	4600.0	151.0	209.0	105.0				
GREEN near Green Rv., UT	APR-JUL	3016.0	4000.0	132.0	168.6	94.6				
MILL CREEK near Moab	APR-JUL	5.5	8.6	156.0	218.2	90.9				
NAVAJO RESERVOIR inflow	APR-JUL	684.0	950.0	138.0	198.8	93.9				
SAN JUAN near Bluff, UT	APR-JUL	995.0	1300.0	130.0	198.7	78.7				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	7.2	110.0	169.2	46.2				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	2.5	4.1	2.0
JOE'S VALLEY	54.6	48.4	50.0	42.7
KEN'S LAKE	2.3	0.9	0.0	---
MILL SITE	16.7	7.3	9.3	3.0
SCOFIELD	65.8	45.0	47.0	30.3

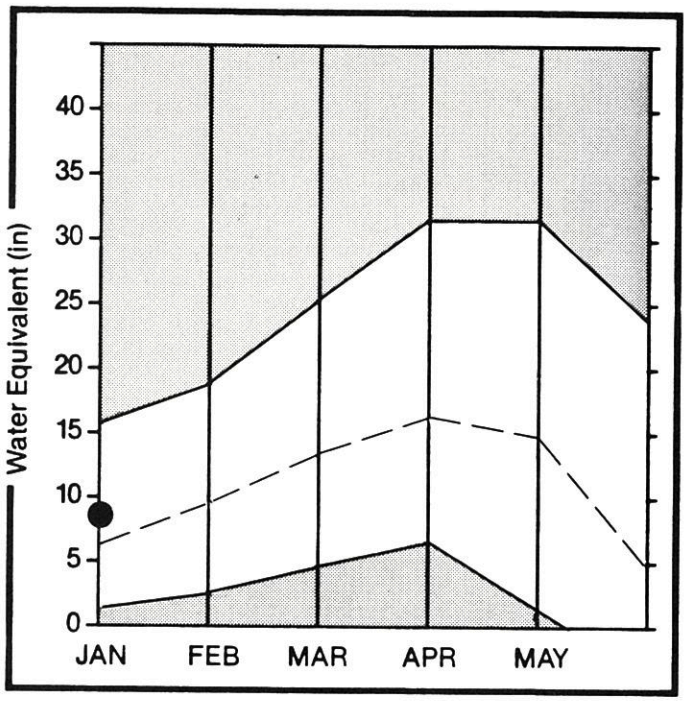
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	3	97	139
SAN RAFAEL RIVER	7	81	153
MUDDY RIVER	2	92	142
FREMONT RIVER	3	109	152
LASAL MOUNTAINS	2	182	136
BLUE MOUNTAINS	2	119	121
ESCALANTE RIVER	1	85	124
VIRGIN RIVER	4	56	117
CARBON, EMERY, WAYNE, GRA	24	88	138

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

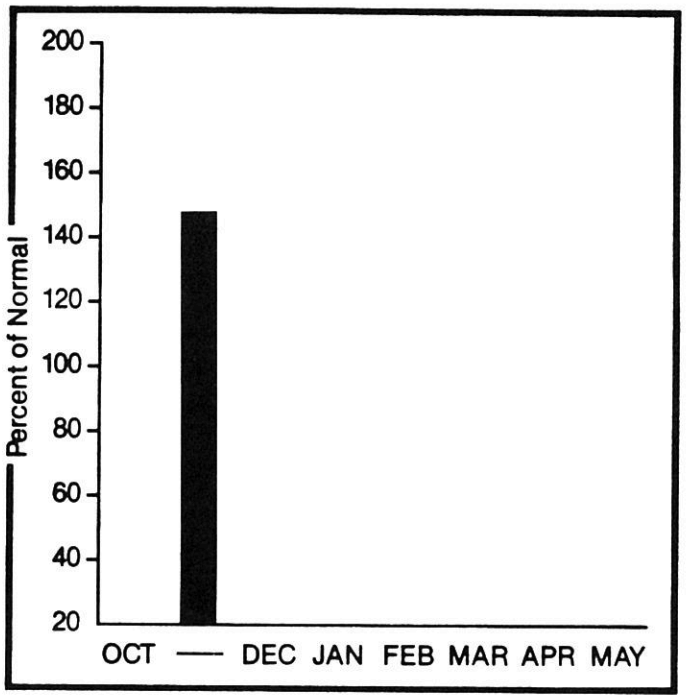
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River watershed ranges from 125% on the South Fork to 139% on the Lower Sevier. Beaver River snowpack is 189% of normal for January 1. Water supply forecasts on the Sevier range from 131% at Hatch to 346% on the Sigurd to Gunnison reach. The Beaver River is forecast 139% with Minersville Reservoir Inflow forecast 203% . October through December precipitation over the watershed was 151% of normal. Reservoir storage in the Sevier basin is 83% of capacity and 212% of average.

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

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	APR-JUL	48.0	63.0	131.0	187.5	87.5				
SEVIER near Circleville	APR-JUL	38.0	60.0	157.0	268.0	65.0				
SEVIER near Kingston	APR-JUL	29.0	40.0	137.0	255.2	51.7				
ANTIMONY CREEK near Antimony	APR-JUL	10.3	11.0	106.0	182.0	44.0				
E F SEVIER near Kingston	APR-JUL	18.9	30.0	159.0	264.0	106.0				
SEVIER blw Piute Dam	APR-JUL	45.0	70.0	155.0	264.4	80.0				
CLEAR CREEK near Sevier	APR-JUL	18.9	25.0	132.0	225.0	54.0				
SIGURD to GUNNISON	APR-JUL	26.0	90.0	346.0	497.7	245.2				
KINGSTON to VERMILLION DAM	APR-JUL	45.0	110.0	244.0	416.0	100.0				
VERMILLION DAM to GUNNISON	APR-JUL	35.0	100.0	285.0	436.0	117.0				
SALINA CREEK at Salina	APR-JUL	11.9	24.0	201.0	343.0	83.0				
SEVIER in Gunnison	APR-JUL	54.0	150.0	277.0	477.0	114.0				
CHALK CREEK near Fillmore	APR-JUL	16.4	18.9	115.0	176.8	54.9				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.5	128.0	171.4	85.7				
OAK CREEK near Oak City	APR-JUL	1.6	1.9	118.0	187.5	0.0				
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	20.0	134.0	228.0	59.0				
PLEASANT CREEK near Pleasant	APR-JUL	8.6	11.0	127.0	217.0	52.0				
SALT CREEK near Nephi	APR-JUL	13.5	15.1	111.0	207.4	14.8				
BEAVER RIVER near Beaver	APR-JUL	23.0	32.2	139.0	213.0	82.6	347			
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	19.7	134.0	232.9	41.1				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	18.1	203.0	280.9	123.6				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	16.8	15.8	9.5
MINERSVILLE (RkvFd)	26.0	15.1	22.2	9.3
OTTER CREEK	52.5	50.2	49.3	23.8
PIUTE	71.8	46.5	59.1	29.3
SEVIER BRIDGE	236.0	208.1	201.4	87.0
PANQUITCH LAKE	22.3	18.7	0.0	---

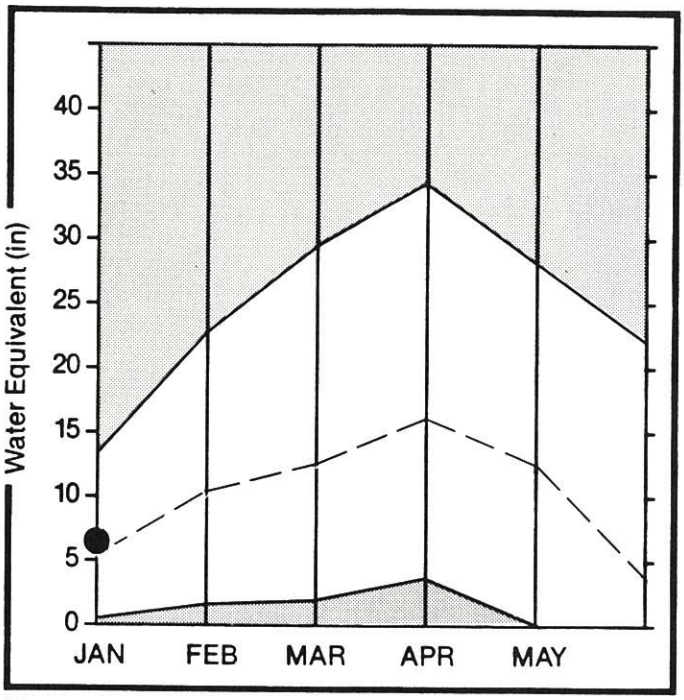
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	11	74	128
EAST FORK SEVIER RIVER	4	91	134
SOUTH FORK SEVIER RIVER	7	68	125
LOWER SEVIER RIVER (inclu	12	98	139
BEAVER RIVER	2	122	189
SEVIER & BEAVER RIVER BAS	25	90	139

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

Mountain snowpack* (inches)



*Based on selected stations

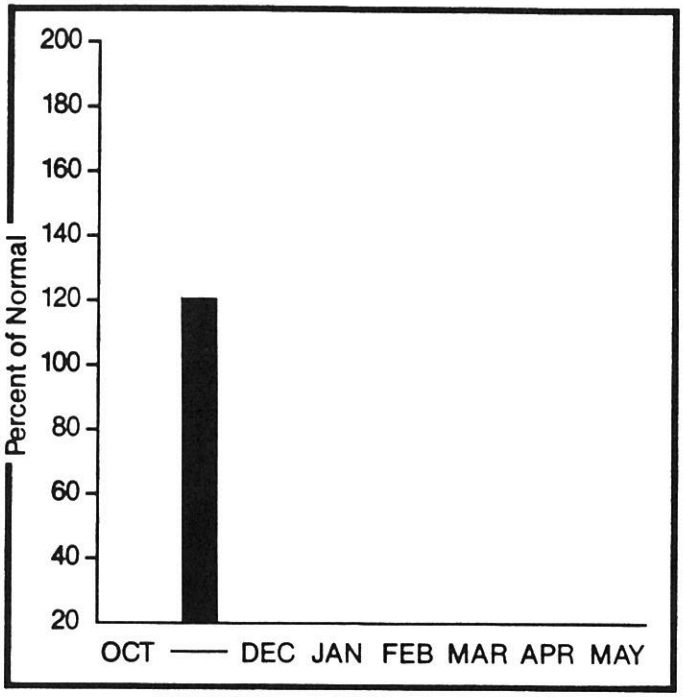
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on Southwestern Utah watersheds is slightly above average for January 1. Enterprise to New Harmony snowpack is 105% . Snow on the Virgin River is 117% of normal. Water supplies are forecast above average assuming normal snow accumulation for the remainder of the snow season. Forecasts range from 113% for Santa Clara to 145% for the Virgin. Mountain precipitation for October-December was 121% of average.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	APR-JUL	62.0	90.0	145.0	195.0	113.0				
SANTA CLARA near Pine Valley	APR-JUL	5.3	6.0	113.0	192.0	46.0				
COAL CREEK near Cedar City	APR-JUL	18.4	22.0	119.0	168.5	87.0				
LAKE POWELL inflow	APR-JUL	7462.0	10600.0	142.0	192.1	99.0				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BLUE MESA	830.0	566.0	663.0	432.4
LAKE POWELL	25002.0	22993.0	22605.0	---

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PAROWAN	4	85	116
ENTERPRISE TO NEW HARMONY	2	39	105
COAL CREEK	3	63	113
E. GARFIELD, KANE, WASHIN	9	68	114

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

United States
Department of
Agriculture

Soil
Conservation
Service

P. O. Box 11350
Salt Lake City, UT 84147

January 10, 1986

Users of Snow Survey and Water
Supply Forecast Information

Last April the Utah State Soil Conservation Commission mailed a letter informing you of certain organizational changes planned for the Cooperative Snow Survey Program. Attached to the letter was a questionnaire which solicited your help in providing the information needed to make decisions regarding the future disposition of a portion of the manually measured snow course network in Utah.

Analysis of the returned questionnaires made it possible to identify those snow courses whose elimination would have the least impact on the user. The listing of January 1 snow measurements in the January 1 "Utah Water Supply Outlook Report" has each discontinued snow course identified with an asterisk in the current data section. If you have any comments or questions concerning the elimination of these snow measurements please contact the Snow Survey Staff at the above address or call (801) 524-5213.

Thank you very much for providing input into this important decision making process.

Sincerely,

Jon D. Pruit, Acting

FRANCIS T. HOLT
State Conservationist

Utah Snow Course Measurements

January 1, 1986

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
ASHLEY TWIN LAKES	10500	Not scheduled this month			-	-
ATWOOD LAKE	10500	01/01	-	9.5	-	-
BEAVER CREEK DIVIDE	8280	12/26	26	7.2	6.9	4.8
BEAVER CREEK R.S.	7500	*			5.5	3.7
BEAVER CREEK-SKUNK	7150	*			9.3	4.8
BEAVER DAMS	8000	12/28	22	6.3	6.0	4.3
BEAVER RACE TRACK	6020	*			-	-
BEN LOMOND PEAK	8000	12/26	63	20.3	26.5	12.6
BEN LOMOND TRAIL	6000	12/26	44	13.9	15.6	5.5
BEVAN'S CABIN	6450	01/02	19	4.8	-	5.5
BIG FLAT	10290	12/31	52	15.0	-	6.6
BIRCH CROSSING	8100	01/06	16	4.0	3.7	3.3
BLACK'S FLAT-U.M. CK	9400	12/28	24	6.5	6.9	4.9
BLACK'S FORK	9200	01/01	-	7.9E	8.1	5.4
BLACK'S FORK GS-EF	9340	12/26	17	4.2	4.3	3.4
BLACK'S FORK JUNCTN	8930	12/26	19	4.5	5.4	3.5
BOX CREEK	9300	12/29	25	6.8	8.2	5.0
BRIAN HEAD	10000	12/30	36	11.2	12.8	8.7
BROWN DUCK RIDGE	10600	12/27	44	13.5	12.5	5.7
BRYCE CANYON	8000	12/30	10	2.5	2.7	2.0
BUCK FLAT	9800	12/28	32	10.0	11.7	6.7
BUCK PASTURE	9700	Not scheduled this month			-	-
BUCKBOARD FLAT	9000	12/19	28	8.0	5.9	7.1
BUG LAKE	7950	12/26	34	10.3	11.1	6.1
BURNT CREEK	7900	*			1.3	2.4
BURT'S-MILLER RANCH	7900	12/26	12	3.6	2.8	2.3
CAMP JACKSON	8600	12/19	30	8.6	8.0	6.6
CASTLE VALLEY	9580	12/31	28	6.1	9.2	6.1
CEDAR CITY GOLF COUR	5800	*			.5	-
CHALK CREEK #1	9100	12/26	48	15.7	14.3	8.8
CHALK CREEK #2	8200	12/26	32	9.1	8.9	6.1
CHALK CREEK #3	7500	12/26	19	4.6	4.9	3.5
CHEPETA	10300	12/27	35	10.1	7.6	-
CHEPETA-WHITERKS. LK	10350	Not scheduled this month			-	-
CLEAR CREEK MEADOWS	9420	"		"	14.8	8.0
CLEAR CREEK RIDGE #1	9200	12/27	31	8.7	11.0	7.7
CLEAR CREEK RIDGE #2	8000	12/27	26	6.5	8.4	6.2
CLEAR CREEK RIDGE #3	6600	12/27	19	4.1	5.1	3.5
CUB RIVER R.S.	5450	12/26	20	4.8	5.0	3.5
CURRANT CREEK	8000	12/27	26	7.7	7.7	3.9
DANIELS-STRAWBERRY	8000	12/27	31	10.8	9.3	5.7
DESERET PEAK	9250	Not scheduled this month			-	9.2
DILL'S CAMP	9200	12/28	24	7.2	8.4	5.2
DONKEY RESERVOIR	9800	12/29	16	3.9	-	-
DRY BREAD POND	8350	12/27	26	7.8	12.4	6.8
DRY VALLEY DIVIDE AL	8100	*			7.4	6.7
DUCK CREEK R.S.	8700	01/01	-	5.9E	9.2	5.1
EAST PORTAL	7560	*			8.8	4.8
EAST SHINGLE LAKE	9800	Not scheduled this month			-	-
FARMINGTON CANYON	8000	12/26	51	16.7	21.9	12.6
FARMINGTON CANYON L.	6950	12/26	43	12.4	16.8	9.5
FARNSWORTH LAKE	9600	12/28	30	8.9	10.4	7.9
FISH LAKE	8700	12/29	22	5.2	3.8	3.1
FIVE POINT LAKE	11000	01/01	-	8.4	-	-
FRANKLIN BASIN	8020	12/26	35	11.0	15.9	7.6
G.B.R.C. HEADQUARTER	8700	12/20	32	10.2	9.8	6.8
G.B.R.C. MEADOWS	10000	12/28	39	12.7	14.2	9.0
GARDEN CITY SUMMIT	7600	12/26	32	9.8	11.5	7.3
GEORGE PEAK	9000	Not scheduled this month			-	-
GOOSEBERRY R.S.	8000	12/28	23	6.7	6.7	5.2
GRIZZLY RIDGE	8500	*			4.3	4.3
HARDSCRABBLE	6700	12/26	40	12.5	16.5	-
HARRIS FLAT	7700	12/31	17	3.8	7.4	3.2
HAYDEN FORK	9400	12/26	24	7.1	8.5	5.6
HENRY'S FORK	10000	Not scheduled this month			-	-
HEWINTA G.S.	9500	12/26	19	4.2	4.5	3.5
HOLE-IN-THE-ROCK	9150	12/26	15	3.4	-	2.2
HOLE-IN-THE-ROCK GS	8300	Not scheduled this month			-	-
HICKERSON PARK	9100	12/27	16	3.4	3.0	1.9
HOBBLE CREEK SUMMIT	7420	12/27	30	8.5	9.9	5.9
HORSE RIDGE	8260	12/27	34	10.3	15.0	7.6
HUNTINGTON-HORSESHOE	9800	12/28	38	13.8	13.2	7.9
INDIAN CANYON	9100	12/27	31	7.9	8.0	5.3
JACKSON PARK	10600	*			8.1	2.7
JOHNSON VALLEY	8850	12/29	19	4.9	4.5	2.9
KILFOIL CREEK	7300	12/27	29	7.3	10.2	4.8
KIMBERLY MINE(UPPER)	9300	12/31	36	9.3	9.3	6.0
KING'S CABIN (UPPER)	8730	12/27	21	5.4	5.5	4.4
KLONDIKE NARROWS	7400	12/26	31	9.5	14.0	7.7
KOLOB-CRYSTAL	9250	12/31	34	9.6	-	6.5
LAKEFORK BASIN	11100	01/01	-	10.3	-	-
LAKEFORK MOUNTAIN #1	10200	12/27	29	8.8	6.9	4.2
LAKEFORK MOUNTAIN #3	8400	12/27	19	4.8	4.6	2.2
LAMBS CANYON	7400	12/30	32	9.4	12.9	7.4
LASAL MOUNTAIN LOWER	8800	12/18	23	6.6	3.3	4.7
LASAL MOUNTAIN (UPP)	9850	12/18	33	9.2	5.4	6.9
LIGHTNING LAKE	10500	01/01	-	15.3	-	-
LILY LAKE	9050	12/26	31	9.1	9.1	-
LITTLE BEAR (LOWER)	6000	12/26	28	7.6	8.5	3.6
LITTLE BEAR (UPPER)	6550	12/26	32	9.1	9.6	4.2
LITTLE GRASSY CREEK	6100	12/30	3	0.4	5.6	1.2
LONG FLAT	8000	12/30	12	3.6	4.6	2.6
LONG VALLEY JCT.	7500	12/29	14	3.8	6.7	1.9
LOST CREEK RESERVOIR	6130	12/27	17	3.5	4.1	1.9
MAMMOTH-COTTONWOOD	8800	12/28	42	14.3	14.8	8.1
MERCHANT VALLEY (UP)	8750	12/31	38	9.6	7.9	5.2
MIDDLE BEAVER CREEK	8650	Not scheduled this month			-	-
MIDDLE CANYON	7000	01/02	27	6.7	-	5.9
MIDDLE FORK	9600	*			-	-
MIDWAY VALLEY	9800	12/31	34	9.0	15.3	8.3
MILL CREEK	6950	12/31	33	9.7	13.3	7.4
MILL D SOUTH FORK	7400	12/31	29	8.6	13.6	7.8
MONTE CRISTO R.S.	8960	12/26	35	11.2	16.0	9.7
MONTICELLO PARK	7050	*			2.0	1.8
MOSBY MOUNTAIN(LOW)	9500	12/27	27	7.3	6.4	4.2
MT.BALDY R.S.	9500	12/28	43	13.7	13.5	9.1
MUD CREEK #2	8600	12/28	29	7.5	8.4	5.7
OAK CREEK	7760	01/01	28	7.2	6.4	5.0
ONE MILE SUMMIT	7330	Not scheduled this month			-	-
ORANGE OLSEN	7200	*			4.5	1.6
OTTER LAKE	9600	12/31	38	9.9	8.1	5.1
PANQUITCH LAKE	8200	12/31	13	3.6	4.3	2.5
PARADISE PARK	10100	12/27	32	9.8	8.7	5.6
PARK CITY SUMMIT	9300	Not scheduled this month			19.5	14.7
PARLEY'S CANYON SUM.	7500	12/30	33	9.3	12.6	7.7
PAYSON R.S.	8050	01/01	33	8.9	11.9	7.7
PICKLE KEG SPRING	9600	12/28	27	7.8	8.7	6.1
PINE CANYON	8000	12/27	31	9.8	15.1	6.8
PINE CREEK	8800	12/31	34	9.9	9.1	6.8
REDDEN MINE LOWER	8500	12/26	33	10.9	11.9	6.6
RED PINE RIDGE	9200	12/28	27	8.1	11.2	6.7
REES'S FLAT	7300	01/01	30	7.6	8.4	5.6
REYNOLDS PARK	10400	Not scheduled this month			-	-
ROCK CREEK	7900	12/27	24	6.6	7.7	2.2
ROCKY BASIN-SETTLEMT	8900	01/02	35	11.3	-	18.1
SAGEBRUSH FLAT	6300	*			4.8	2.0
SEELEY CREEK R.S.	10000	12/28	31	9.8	13.1	4.7
SERGEANT LAKES	8300	Not scheduled this month			-	-
SHINGLE MILL	6200	12/30	15	3.7	3.3	4.3
SILVER LAKE(BRIGHT.)	8730	12/31	41	12.9	17.3	10.0
SMITH & MOREHOUSE	7600	12/26	27	7.6	9.2	5.3
SNOWBIRD GAD VALLEY	9700	Not scheduled this month			-	11.9
SOAPSTONE R.S.	7800	01/01	-	6.7E	7.2	5.4
SPIRIT LAKE	10300	12/27	27	7.6	5.2	5.1
SQUAW SPRINGS	9300	12/29	20	4.8	4.2	3.1
STEEL CREEK PARK	10100	12/26	36	9.7	8.0	6.3
STEEP HOLLOW #1	8500	*			22.4	13.2
STEEP HOLLOW #2	7700	*			17.4	8.9
STILLWATER CAMP	8550	12/26	21	5.5	5.8	4.0
STRAWBERRY DIVIDE	8400	12/31	44	12.1	11.7	7.9
STUART R.S.	7950	12/28	19	4.1	6.2	3.1
SUSC RANCH	8200	01/06	17	5.0	5.8	3.4
TALL POLES	8800	01/06	28	6.5	8.6	6.0
THISTLE FLAT	8500	Not scheduled this month			-	2.2
TIMPANOGOS DIVIDE	8140	01/01	44	14.0	-	10.4
TONY GROVE LAKE	8400	12/26	52	17.5	22.2	14.2
TONY GROVE R.S.	6250	12/26	25	6.6	8.7	4.6
TRIAL LAKE	9960	12/26	49	15.8	14.0	10.7
TROUT CREEK	9400	12/27	23	6.2	5.9	4.3
UPPER JOES VALLEY	8900	12/28	21	5.3	8.6	4.2
VERNON CREEK	7500	01/07	25	6.2	-	4.0
VIPONT	7670	Not scheduled this month			-	7.2
WEBSTER FLAT	9200	12/31	26	6.5	11.7	6.4
WHITE RIVER #1	8550	12/27	30	8.1	7.6	5.3
WHITE RIVER #3	7400	12/27	21	4.9	5.1	3.8
WIDTSOE-ESCALANTE #3	9500	12/29	23	6.2	7.3	5.0
WILLOW FLAT	6100	12/26	32	9.2	8.8	6.1
WRIGLEY CREEK	9000	12/28	24	6.6	7.4	4.3
YANKEE RESERVOIR	8700	12/30	17	4.0	5.3	4.1

N O T E * These sites have been discontinued during the past summer as a result of the Soil Conservation Service Snow Course Reduction Plan, PHASE-I. These sites have proved to be duplicative in nature.

Black's Fork, Duck Creek R. S., and Soapstone R. S. snow courses have also been discontinued as a result of statistical testing in PHASE-II of the above mentioned plan. For these sites, however, estimates will be produced and published monthly for the next five years.

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

Utah State University
Utah State Department of Natural Resources
- Division of Wildlife Resources
- Division of Water Resources
- Division of Water Rights
- Bear River Commissioner
- Price River Commissioner
- Provo River Commissioner
- Sevier River Commissioners
- Spanish Fork River Commissioner
- Utah Lake and Jordan River Commissioner

Federal

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

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

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

Municipality

Manti
Salt Lake City

Public

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

All programs and services of U.S. Dept. of Agriculture are available to everyone without regard to race, creed, color, sex, age, handicap, or national origin.

United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

February 1, 1986

Utah
Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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

Released by

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

In cooperation with

Utah State Department of Natural Resources

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

Prepared by

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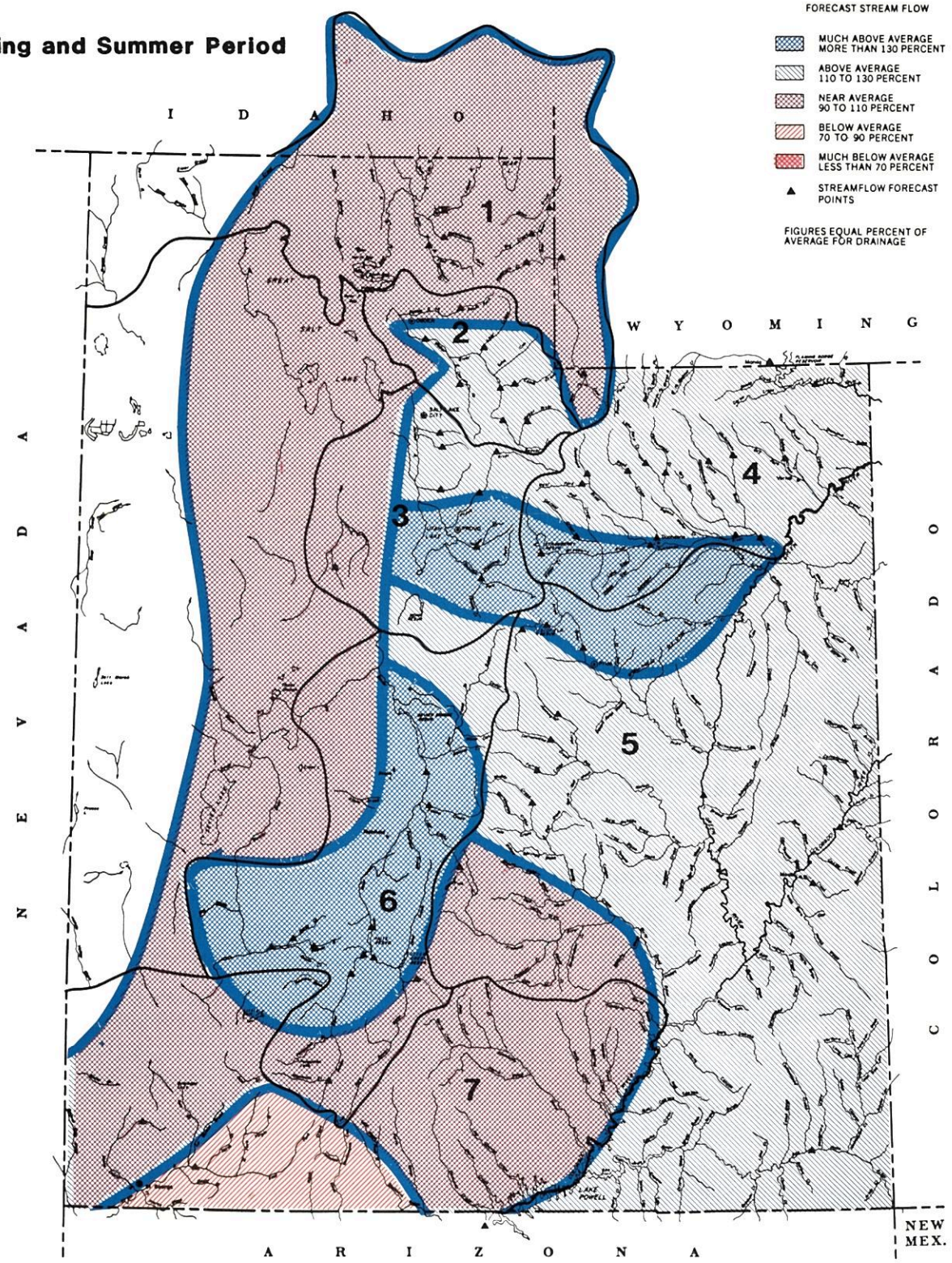
Salt Lake City, Utah 84147

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:

Spring and summer streamflow forecasts have had to be reduced from the levels forecast a month ago. The majority of forecasts are still near to much above average but some exceptions could lead to water shortages by the end of the irrigation season if the dry trend of the last two months continues.

SNOWPACK:

Snowpack on the watersheds of the state increased much less than normal in January. The Bear and Weber basins increased about 75%, central and eastern basins about 50% and the extreme southwest less than 10% of the normal January increase. Southwestern Utah is now at 71% with the other basins of the state ranging upward to 119% of the February 1 average on the Uinta Mountains.

PRECIPITATION:

January precipitation at mountain stations was 30 to 80% below average across the State. Seasonal (October through January) precipitation, however, remains near to much above average ranging from 93% in the southwest to 143% on the southeastern Utah drainages.

RESERVOIRS:

Stored water in 25 key irrigation reservoirs in Utah as of the end of January was 133% of average and 87% of total usable capacity. Prospects for filling are very good again this year in most areas of the state.

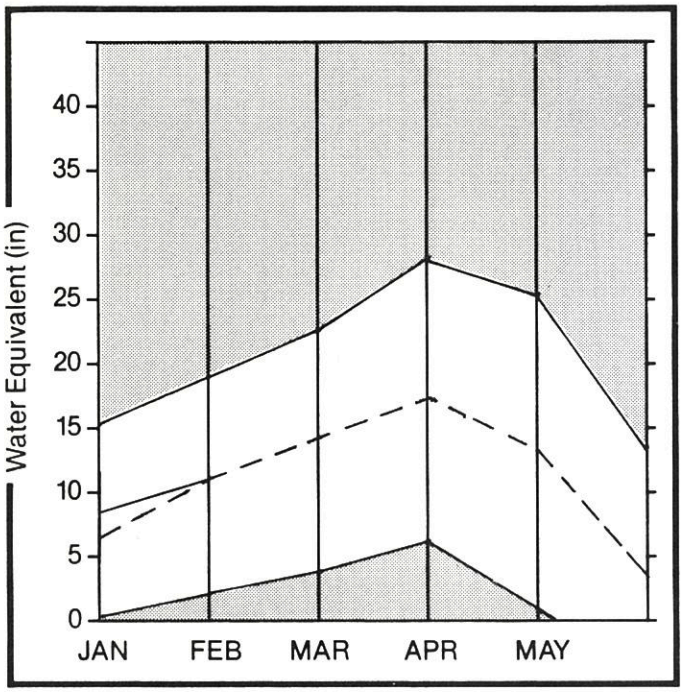
STREAMFLOW:

Water supply forecasts have generally dropped from the volumes forecast last month but remain near to well above average on nearly all streams. Forecasts range from 80% for the Virgin near Hurricane to 346% 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

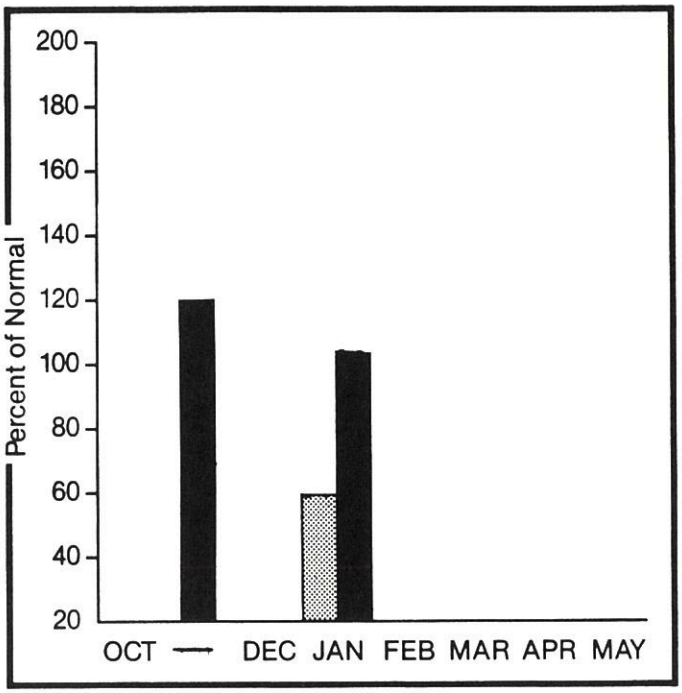
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River Watershed as a result of below normal precipitation during January has fallen by 31 percentage points from the levels measured last month. The Bear is 103% of the Feburary 1 average and the Logan is 94% of normal for the first of February. Streamflow forecasts now range from 95% to 132% of average. Mountain precipitation was only 58% of normal for January but the total for the water year is still 105% of average. Reservoir storage is 109% of average and 74% of capacity.

For more information contact your local Soil Conservation Service office:

Tremonton Field Office	801-257-5403
Logan Field Office	801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	APR-JUL	110.0	118.0	107	135	84	1550			
BEAR near Woodruff	APR-JUL	139.0	135.0	97	145	60				
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	17.0	98	127	69	250			
BIG CREEK near Randolph	APR-JUL	5.3	7.0	132	189	75	55			
BEAR near Randolph	APR-JUL	110.0	110.0	100	161	39				
THOMAS FORK near Stateline	APR-SEP	35.0	35.0	100	100	100				
SMITHS FORK near Border	APR-SEP	119.0	120.0	100	123	82				
BEAR RIVER near Harer	APR-SEP	310.0	297.0	95	131	67				
LOGAN RIVER near Logan	APR-JUL	116.0	118.0	101	126	79	990			
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	55.0	107	151	73				
LITTLE BEAR RIVER near Paradise	APR-JUN	38.0	41.0	107	163	53	504			
CUB RIVER near Preston	APR-JUL	46.8	45.0	96	115	68				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BEAR LAKE	1421.0	1057.7	1077.2	970.6
HYRUM	15.3	10.3	10.3	10.3
PORCUPINE	11.3	7.0	3.6	2.9
WOODRUFF NARROWS	55.8	36.0	55.5	---
WOODRUFF CREEK	3.5	1.7	3.4	---

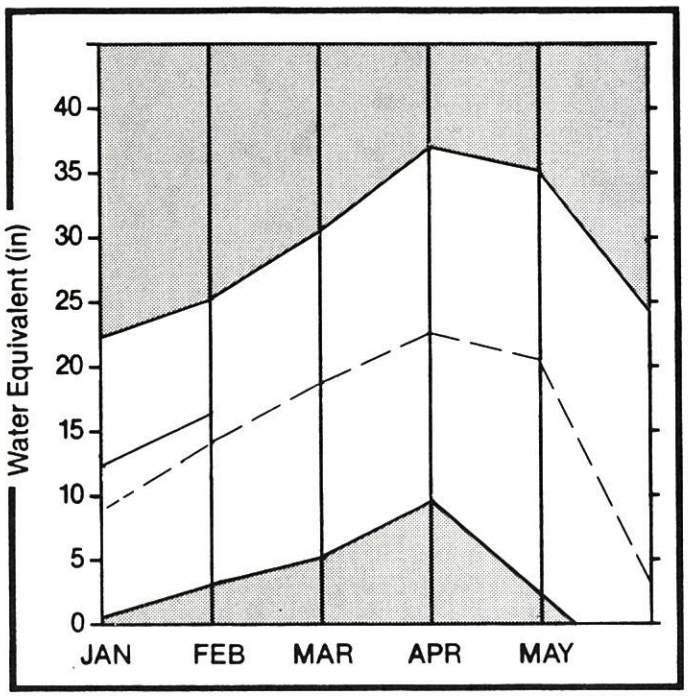
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR RIVER, UPPER IN UTAH	5	102	106
BEAR RIVER, LOWER IN UTAH	10	102	104
BEAR RIVER DRAINAGE IN UT	15	102	105
BEAR RIVER, UPPER (above	11	116	101
BEAR RIVER, LOWER (below	15	112	107
BEAR RIVER DRAINAGE	25	114	105
LOGAN RIVER	5	92	94
BAFT RIVER	0	0	0
BEAR RIVER BASIN	25	110	103

*Corrected for upstream diversions or storage in reservoirs.
Average is for 1961-90 period.

Weber & Ogden Watersheds

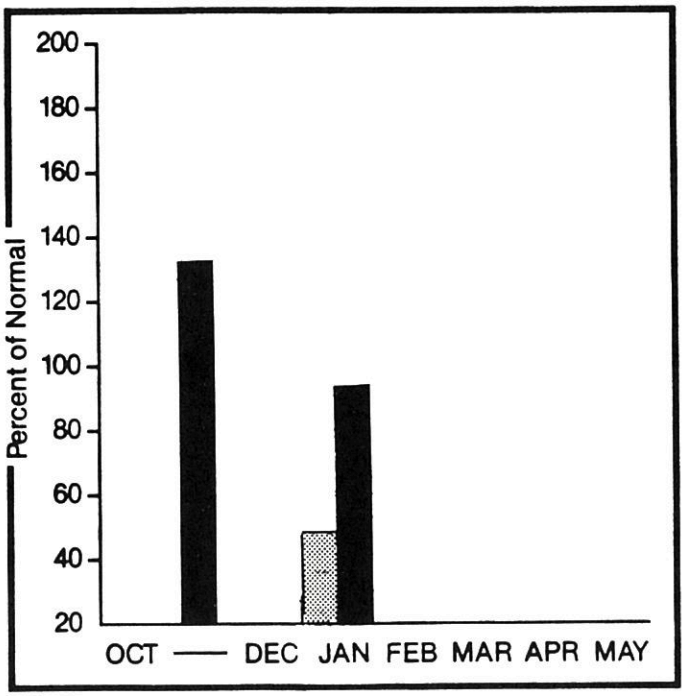
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River Watershed as a percent of average has decreased by 31% during January due to below normal precipitation. The Weber has 117% and the Ogden 114% of normal February 1 snowpack. Streamflow Forecasts have decreased from the levels forecast a month ago but remain above average ranging from 103% to 152% of average. Mountain precipitation was only 48% of the January average but remains at 96% for the water year accumulation. Reservoir storage is 130% of average for February 1.

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

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

1Mar CST	FORECAST POINT	FORECAST PERIOD	30 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
154, 151%	WEBER RIVER near Oakley	APR-JUN	102.0	132.0	129	161	101	1850	2454		
179 162%	ROCKPORT RESERVOIR inflow	APR-JUN	~~111.0~~	150.0	135%	179	98				
68 189%	CHALK CREEK near Coalville	APR-JUN	36.0	55.0	152	192	117	800	995		
195 164%	WEBER RIVER near Coalville	APR-JUN	119.0	165.0	138	176	107				
26.5 170%	LOST CREEK near Croydon	APR-JUN	15.6	20.1	128	186	77				
40. 160%	EAST CANYON CREEK near Morgan	APR-JUN	25.0	29.0	116	160	76				
28.7 155%	HARDSCRABBLE CREEK near Porterville	APR-JUL	18.4	20.0	108	174	43				
81.5 148%	SOUTH FORK OGDEN RIVER near Huntevil	APR-JUN	57.0	60.0	105	137	72	Could be higher			
164 143%	PINEVIEW RESERVOIR inflow	APR-JUN	115.0	120.0	104	130	76	"	"		
255 176%	ECHO RESERVOIR inflow	APR-JUN	145.0	189.0	130	168	99				
485 162%	WEBER RIVER at Gateway	APR-JUN	300.0	381.0	127	160	96	"	"		
12.3 150%	FARMINGTON CREEK near Farmington	APR-JUL	8.2	8.5	103	171	37				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CAUSEY	6.9	1.8	5.7	2.2
EAST CANYON	48.1	41.4	39.0	34.7
ECHO	73.9	58.6	48.6	45.8
LOST CREEK	20.0	14.9	14.9	13.1
PINEVIEW	110.1	75.2	54.8	49.6
ROCKPORT	60.9	34.6	40.4	31.9
WILLARD BAY	165.5	148.6	148.2	110.6

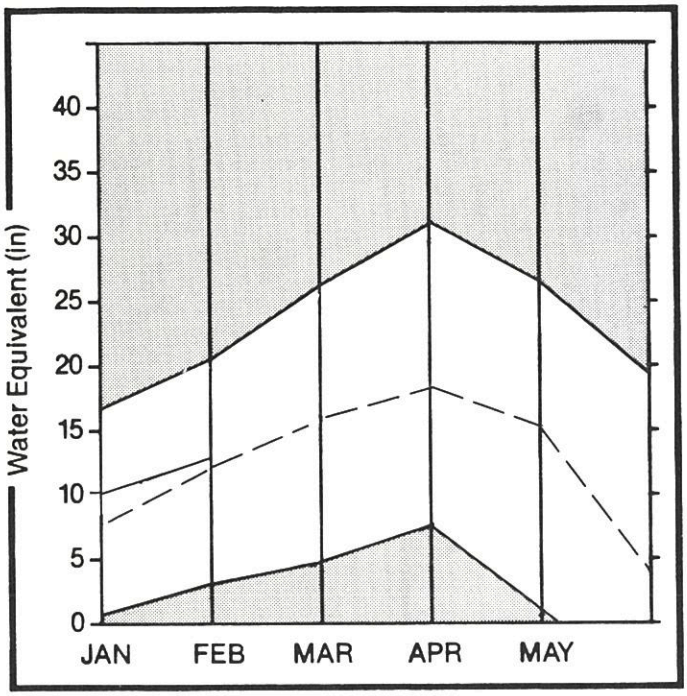
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
OGDEN RIVER	4	94	114
WEBER RIVER	12	104	117
WEBER & OGDEN WATERSHEDS	16	101	116

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

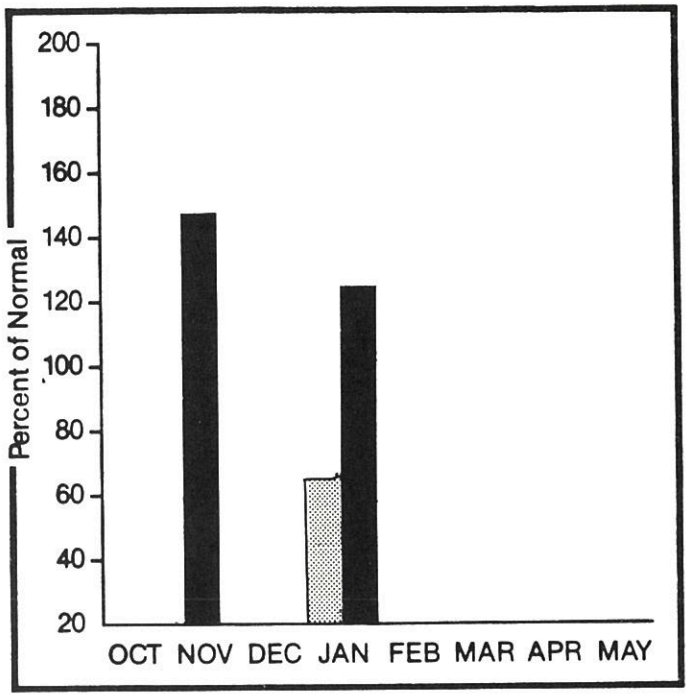
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the watershed draining into the Great Salt Lake through the Jordan River has decreased as a percent of average by 30 to 40% during January because of abnormally low precipitation. Snowpack over the entire basin is now 100% of the February 1 average. Most streamflow forecasts showed decreases of 5 to 10 percent from last month. Mountain precipitation was 67% of average for January but water year totals are still 127% of average. Reservoir storage at the end of January was 153% 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	30 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	APR-JUL	106.0	130.0	122	158	93				
PROVO below Deer Creek Dam	APR-JUL	118.0	155.0	131	164	92				
AMERICAN FORK near American Fk.	APR-JUL	118.0	40.0	33	57	15				
HOBBLE CREEK near Springville	APR-JUL	18.7	28.0	149						
STRAWBERRY RESERVOIR inflow	APR-JUL	72.0	95.0	132	157	104				
PAYSON CREEK near Payson	APR-JUL	6.2	8.3	133						
UTAH LAKE inflow	APR-JUL	238.0	400.0	168	202	132				
LITTLE COTTONWOOD CRK near SLC	APR-JUL	38.0	46.0	121	139	103				
BIG COTTONWOOD CRK near SLC	APR-JUL	37.0	48.0	129	146	114				
PARLEY'S CEEK near SLC	APR-JUL	14.8	20.0	135	169	108				
MILL CREEK near SLC	APR-JUL	5.8	8.5	146	190	103				
EMIGRATION CREEK near SLC	APR-JUL	3.7	4.4	118						
CITY CREEK near SLC	APR-JUL	7.7	10.0	129	156	104				
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	2.2	95	174	43				
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.7	90	167	33				
VERNON CREEK near Vernon	APR-JUN	0.8	0.9	114	175	55				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY*	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	134.0	118.2	94.3
GRANTSVILLE	4.3	1.9	---	---
SETTLEMENT CREEK	1.0	0.8	0.0	0.5
STRAWBERRY-ENLARGED	951.0	509.0	271.7	---
UTAH LAKE	883.9	1002.0	1166.6	648.6
VERNON CREEK	0.6	0.2	0.0	0.5

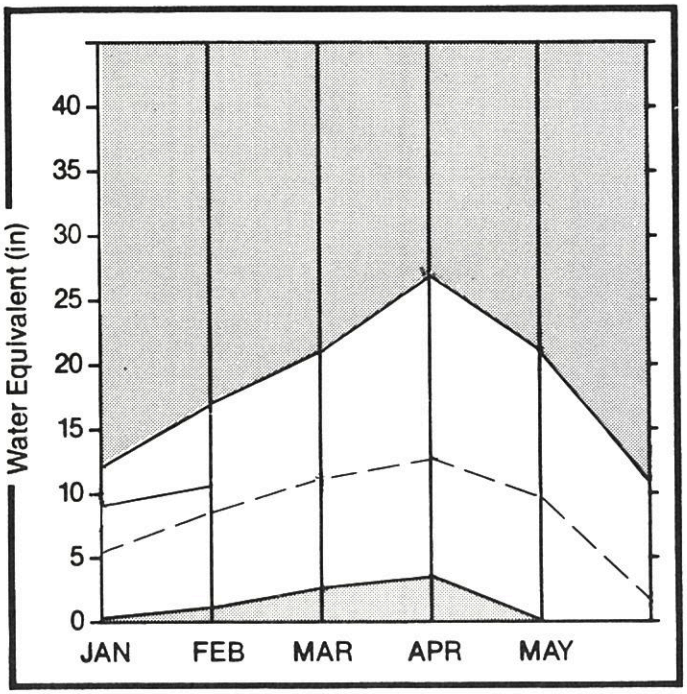
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	9	96	103
PROVO RIVER	4	111	110
JORDAN RIVER & GREAT SALT	6	87	96
TOOELE VALLEY WATERSHEDS	1	80	115
UTAH LAKE, JORDAN RIVER &	16	91	100

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Uintah Basin & Dagget SCD's

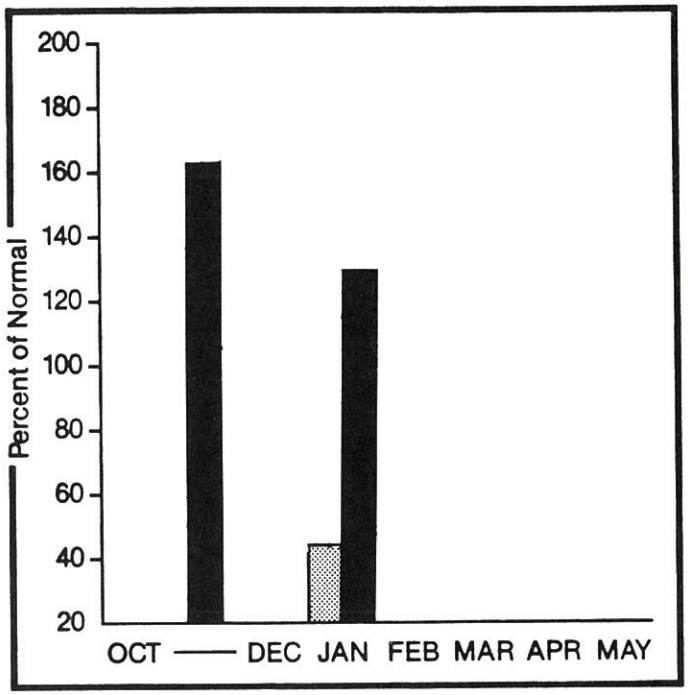
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Uintas, although still above the February 1 average on most drainages, experienced losses as a percent of average of from 28% to 82% during January due to below average precipitation. Snowpack ranges from 95% on Ashley Creek to 142% of the February 1 average on the Lakefork River. Forecasts decreased 12 to 27% from January 1 levels. Precipitation for January was only 45% of average. Water year precipitation now stands at 131%. Reservoir storage is well above 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	130.0	123	146	99				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	235.0	124	150	99				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	80.0	137	164	114	750			
ROCK CREEK near Mountain Home	APR-JUL	93.0	115.0	123	153	102	1700			
CURRANT CREEK near Fruitland	APR-JUL	20.0	26.0	130	155	105				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	85.0	121	151	96				
YELLOWSTONE RIVER near Altonah	APR-JUL	65.0	80.0	123	158	88				
DUCHESNE near Myton	APR-JUL	205.0	325.0	158	195	112				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	58.0	75.0	129	169	90				
UINTAH RIVER near Neola	APR-JUL	86.0	115.0	133	176	92				
DUCHESNE near Randlett	APR-JUL	257.0	425.0	165	239	91				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	32.0	123	150	96				
HENRY'S FORK near Manila	APR-SEP	48.0	60.0	125	169	92				
BLACK'S FORK near Millburne	APR-JUL	90.0	100.0	111	149	78				
FLAMING GORGE RESERVOIR inflow	APR-JUL	1248.0	1375.0	110	140	83				
ASHLEY CREEK near Vernal	APR-JUL	51.0	60.0	117	147	94				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	3014.0	3309.8	---
MOON LAKE		NO REPORT		
RED FLEET	26.0	20.0	19.0	---
STEINAKER	33.3	31.3	30.2	19.7
STARVATION	165.3	147.0	123.4	113.0
STRAWBERRY-ENLARGED	951.4	509.0	271.7	---

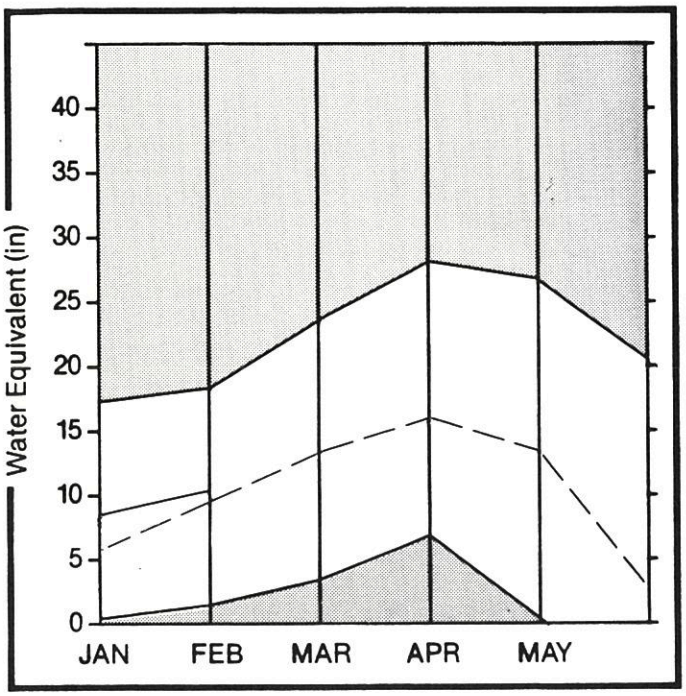
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	8	105	103
ASHLEY CREEK	2	92	95
BLACK'S FORK RIVER	3	108	111
SHEEP CREEK	2	114	103
DUCHESNE RIVER	10	105	129
LAKE FORK-YELLOWSTONE CRE	3	116	142
STRAWBERRY RIVER	4	104	121
UINTAH-WHITEROCKS RIVERS	2	93	119
UINTAH BASIN & DAGGET SCD	19	105	119

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

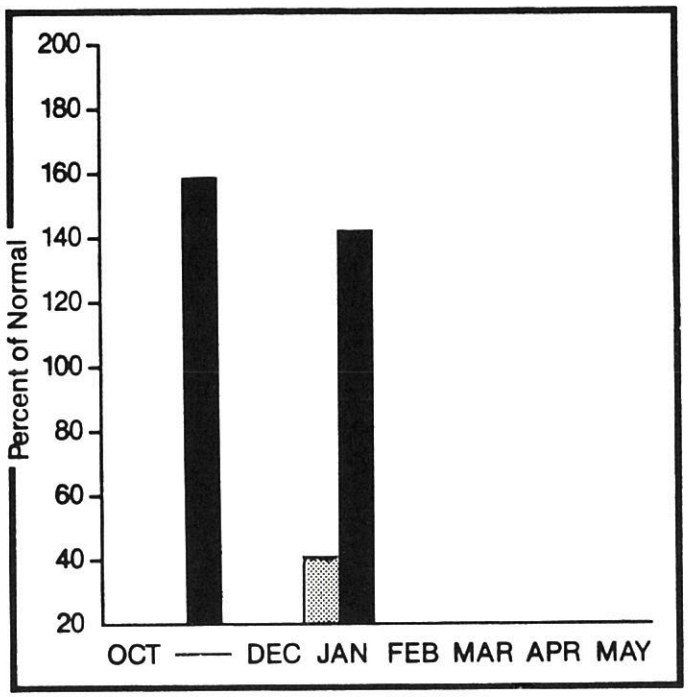
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on Southeastern Utah drainages as a percent of average has lost between 30 and 60 percentage points due to much below normal precipitation during January. Snowpack ranges from 88 to 120% of the February 1 average. Streamflow forecasts have generally decreased from last month and now range from 100 to 146% of average. Precipitation at mountain stations was only 40% of average in January but water year accumulation is still 143% of normal. Reservoir storage is 130% of the February 1 average.

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

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	APR-JUL	48.0	52.0	108	154	71				
SEVIER near Circleville	APR-JUL	38.0	50.0	131	132	132				
SEVIER near Kingston	APR-JUL	29.0	32.0	110	207	38				
ANTIMONY CREEK near Antimony	APR-JUL	10.3	10.0	97						
E F SEVIER near Kingston	APR-JUL	18.9	25.0	132	206	95				
SEVIER blw Piute Dam	APR-JUL	45.0	58.0	128	216	64				
CLEAR CREEK near Sevier	APR-JUL	18.9	22.0	116	116	116				
SIGURD to GUNNISON	APR-JUL	26.0	90.0	346	450	254				
KINGSTON to VERMILLION DAM	APR-JUL	45.0	70.0	155						
VERMILLION DAM to GUNNISON	APR-JUL	35.0	90.0	257						
SALINA CREEK at Salina	APR-JUL	11.9	22.0	184						
SEVIER nr Gunnison	APR-JUL	54.0	145.0	268						
CHALK CREEK near Fillmore	APR-JUL	16.4	17.7	107	159	61				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.2	120	171	86				
OAK CREEK near Oak City	APR-JUL	1.6	1.7	106	188	13				
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	19.0	127						
PLEASANT CREEK near Pleasant	APR-JUL	8.6	11.0	127						
SALT CREEK near Nephi	APR-JUL	13.5	13.5	100	185	15				
BEAVER RIVER near Beaver	APR-JUL	23.0	32.0	139	204	87	347			
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	19.0	130	219	41				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	17.0	191	258	124				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	16.8	15.0	11.7
MINERSVILLE (RkvFd)	26.0	19.1	22.2	11.2
OTTER CREEK	52.5	50.2	48.2	27.5
PIUTE	71.8	62.4	61.9	36.9
SEVIER BRIDGE	236.0	206.2	210.4	101.1
PANGUITCH LAKE	22.3	19.1	20.0	---

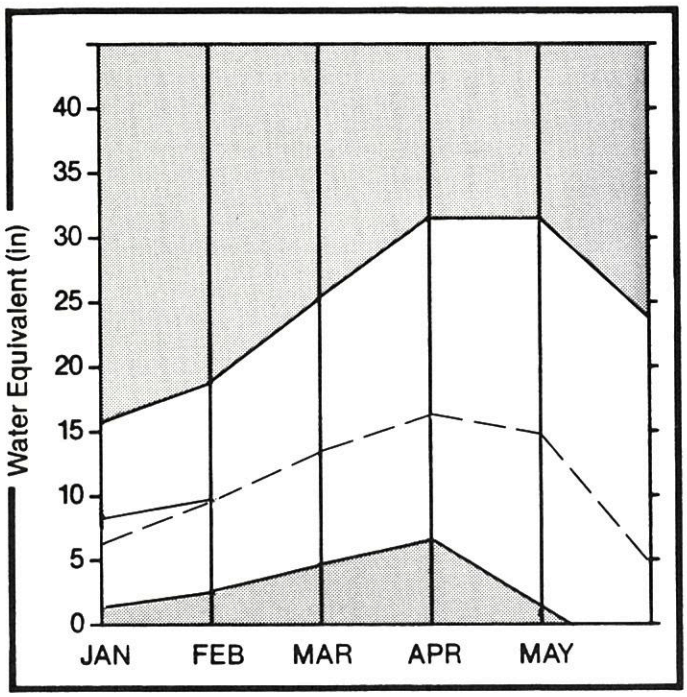
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	11	64	84
EAST FORK SEVIER RIVER	4	72	84
SOUTH FORK SEVIER RIVER	7	61	84
LOWER SEVIER RIVER (inclu	12	98	110
BEAVER RIVER	3	126	151
SEVIER & BEAVER RIVER BAS	26	89	106

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

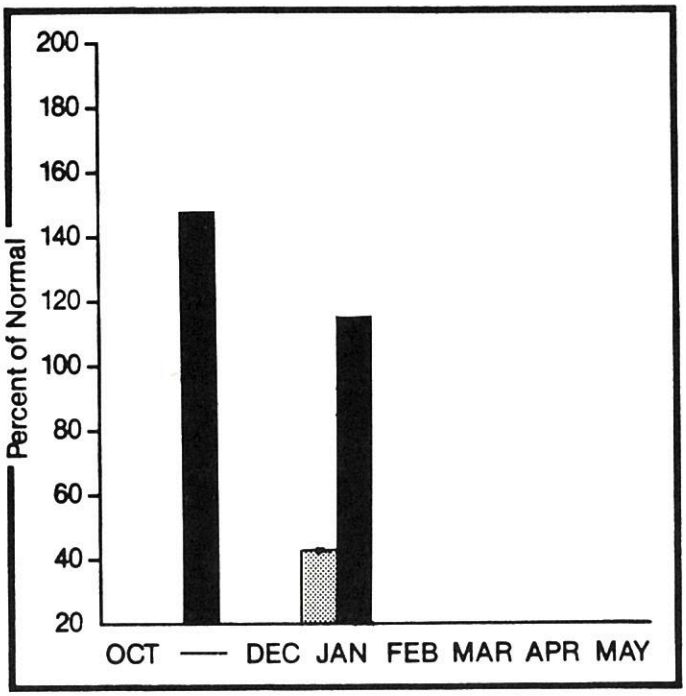
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River watershed increased only 40% as much as it normally should in January because of much below average precipitation. The Sevier River Basin including the Beaver River watershed has 106% of normal snowpack for February 1. The Beaver River watershed alone has 151% of average February 1 snowpack. Streamflow forecasts are generally less than those of last month ranging from 97 to 346% of average. Water year precipitation is 115% of normal. Reservoir storage is 170% of average.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	13.5	126	168	84				
SCOFIELD RESERVOIR inflow	APR-JUL	38.0	52.0	136	171	111				
PRICE near Heiner	APR-JUL	63.0	92.0	146						
HUNTINGTON CREEK near Huntington	APR-JUL	49.0	60.0	122	159	96				
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	55.0	117	155	79				
FERRON CREEK near Ferron	APR-JUL	37.0	45.0	121	162	81	510			
MUDDY CREEK near Emery	APR-JUL	18.5	21.5	116	162	70	175			
COLORADO near Cisco, UT	APR-JUL	3046.0	4000.0	131	180	93				
GREEN near Green Rv., UT	APR-JUL	3016.0	3775.0	125	158	92				
MILL CREEK near Moab	APR-JUL	5.5	6.5	118	164	73				
NAVAJO RESERVOIR inflow	APR-JUL	729.0	800.0	110	161	70				
SAN JUAN near Bluff, UT	APR-JUL	995.0	1100.0	110	168	65				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	154	46				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	2.8	2.7	2.3
JOE'S VALLEY	54.6	45.0	49.5	43.6
KEN'S LAKE	2.3	1.1	0.6	---
MILL SITE	16.7	10.3	10.1	3.5
NAVAJO	1696.0	1250.0	1465.0	790.8
SCOFIELD	65.8	46.5	49.0	31.3

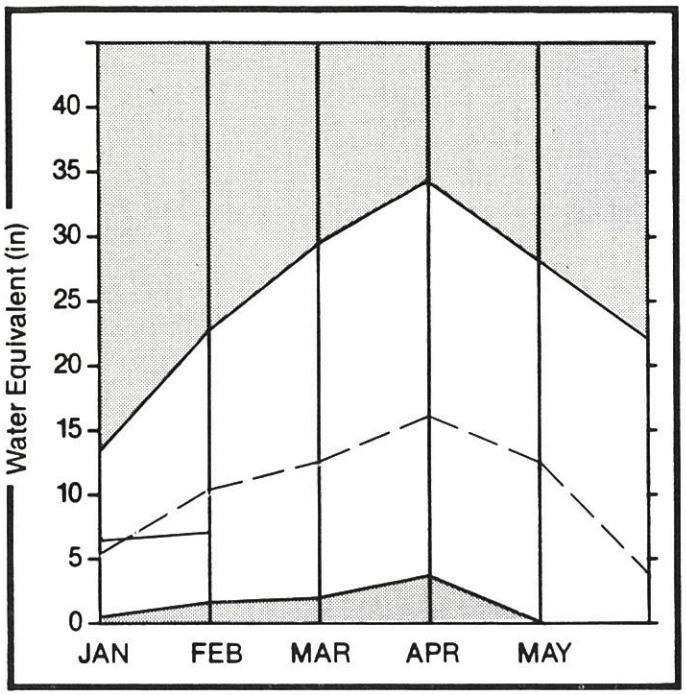
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	3	91	100
SAN RAFAEL RIVER	7	97	120
MUDDY RIVER	2	117	113
FREMONT RIVER	3	95	93
LASAL MOUNTAINS	0	0	0
BLUE MOUNTAINS	2	78	88
CARBON, EMERY, WAYNE, GRA	23	84	99

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

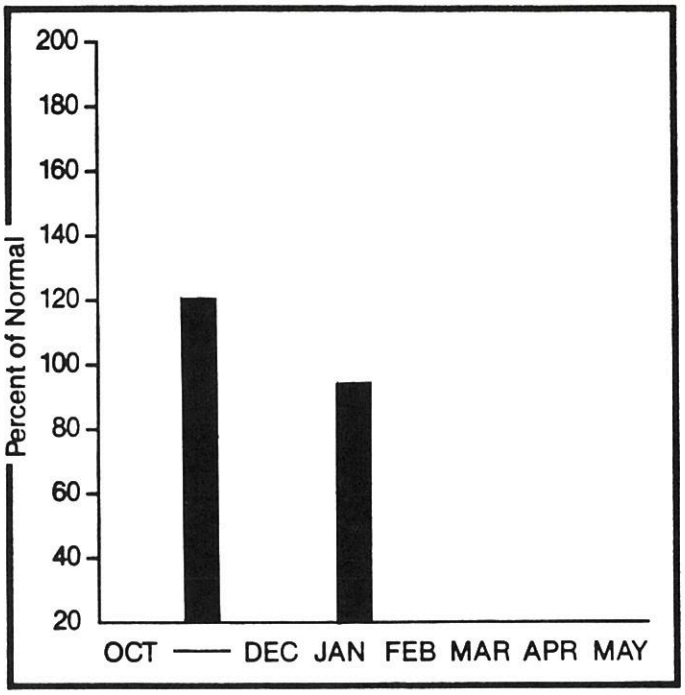
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on all drainages surveyed is below normal for February 1. Enterprise to New Harmony drainages are only 39% of average, Coal Creek is 79% and the Escalante River is 94%. All courses in the E. Garfield, Kane, Washington and Iron County area average 71% of normal. Streamflow forecasts range from 80 to 127%. Precipitation at mountain stations was extremely light in January with only 19% of normal recorded. Accumulation of precipitation for the October 1 through January period is 93% of average.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	APR-JUL	62.0	50.0	81	127	35				
SANTA CLARA near Pine Valley	APR-JUL	5.3	5.5	103	113	113				
COAL CREEK near Cedar City	APR-JUL	18.4	19.6	106	152	76				
LAKE POWELL inflow	APR-JUL	7462.0	9500.0	127	170	89				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BLUE MESA	830.0	465.0	557.0	379.4
LAKE POWELL	25002.0	22750.0	21989.0	---
Lower Gunlock	11000.0			

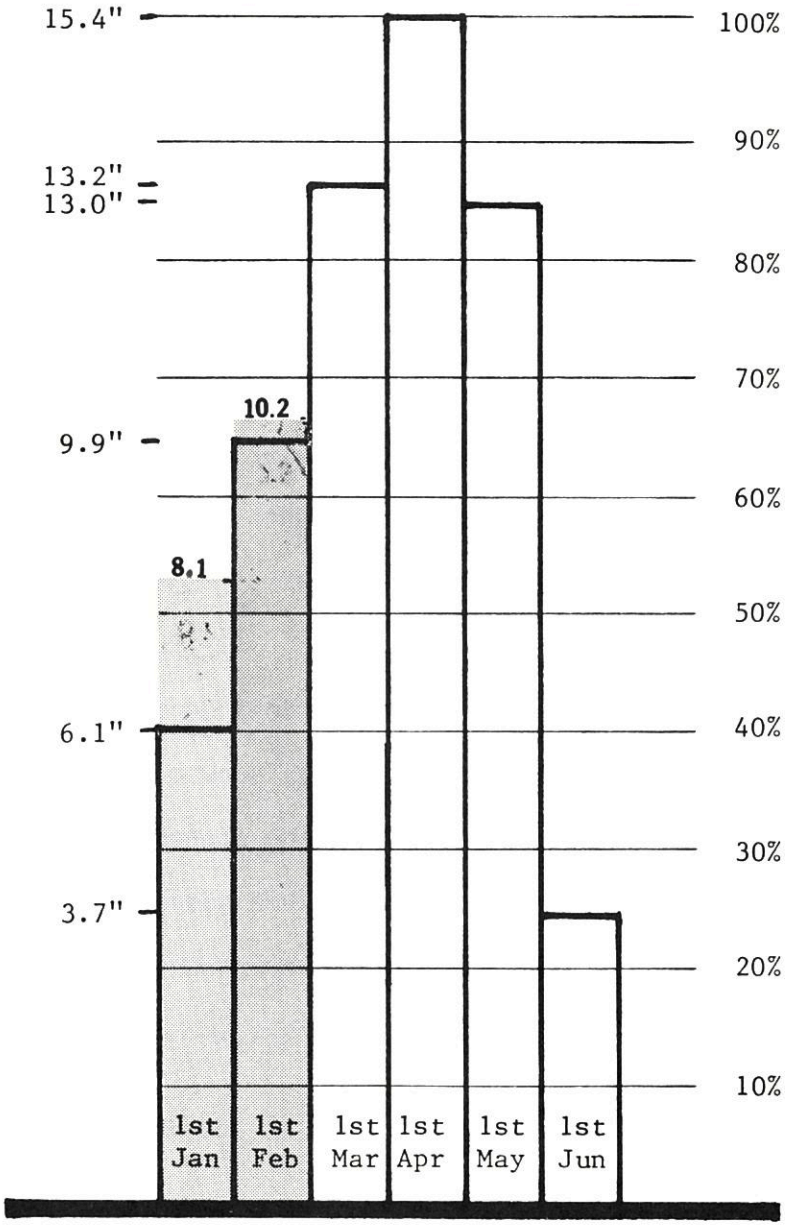
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
VIRGIN RIVER	5	56	73
PAROWAN	4	66	73
ENTERPRISE TO NEW HARMONY	2	26	39
COAL CREEK	3	63	79
ESCALANTE RIVER	1	78	94
E. GARFIELD, KANE, WASHIN	9	59	71

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

GS Streamflow @ Gunlock

Utah Snowpack Progress



Statewide

Snow water equivalent in inches is compared to maximum* seasonal amounts at 100 %.

* Monthly S.W.E. averages for each course in the state is accumulated and averaged by month

NOTE TO RECEPIENTS OF THE UTAH WATER SUPPLY OUTLOOK

The results of traditional once a month manual snow course measurements will no longer be published in this report.

In keeping with the newly established west-wide snow survey report format, this data will be summarized, published and mailed each fall.

Please contact your nearest Soil Conservation Service office for the current manual snow course information or for assistance in obtaining access to the Services' Centralized Forecast System via computer terminal and telephone communication. Current snow and precipitation data and analysis are available daily by this method.

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United States
Department of
Agriculture

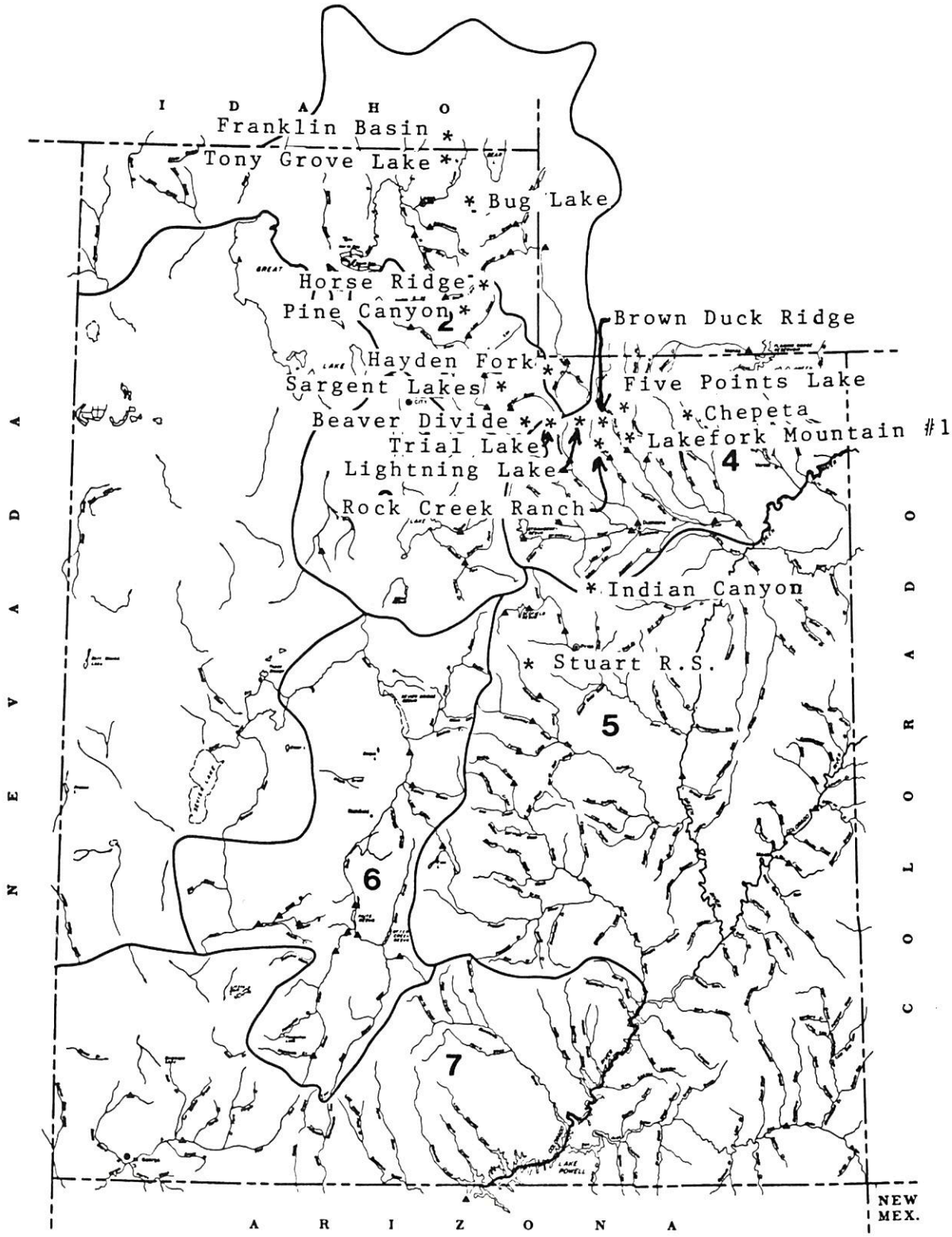
**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

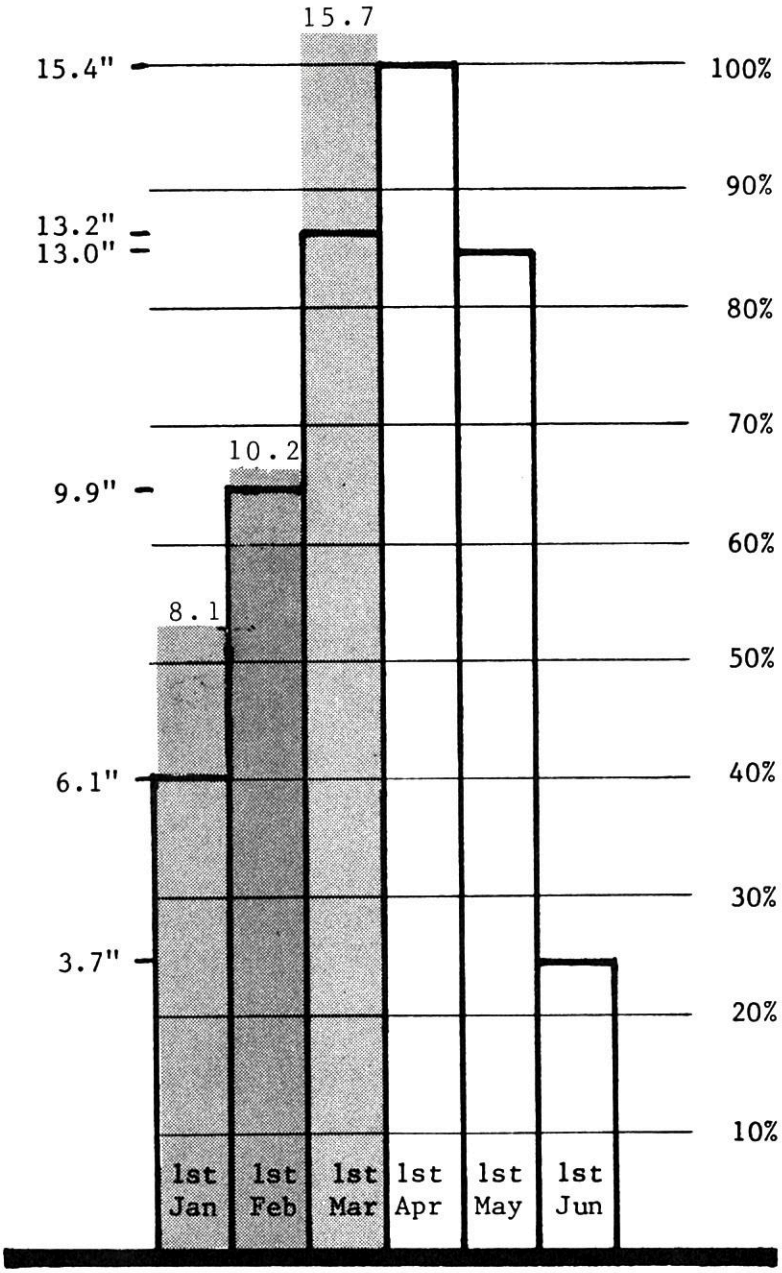
March 1, 1986

*=NEW RECORD MARCH 1 SNOW WATER EQUIVALENT



☆U.S. GOVERNMENT PRINTING OFFICE:1986— 676-136/40002

Utah Snowpack Progress



Statewide

Snow water equivalent in inches is compared to maximum seasonal amounts at 100 %.

Monthly S.W.E. averages for each course in the state are accumulated and averaged by month

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

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	APR-JUN	62.0	45.0	72	110	34	600			
SANTA CLARA near Pine Valley	APR-JUN	5.3	4.7	88						
COAL CREEK near Cedar City	APR-JUL	18.4	21.0	114	152	92	350			
LAKE POWELL inflow	APR-JUL	7462.0	11000.0	147	183	116				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BLUE MESA	830.0	396.0	430.0	344.0
LAKE POWELL	25002.0	22446.0	21348.0	---

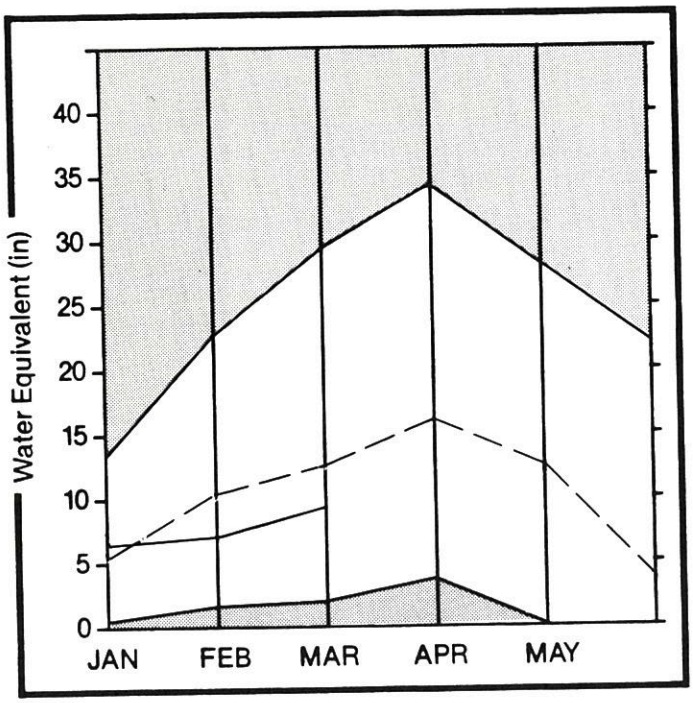
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
VIRGIN RIVER	5	77	83
PAROWAN	4	85	74
ENTERPRISE TO NEW HARMONY	2	23	30
COAL CREEK	3	85	83
ESCALANTE RIVER	1	99	96
E. GARFIELD, KANE, WASHIN	12	73	73

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

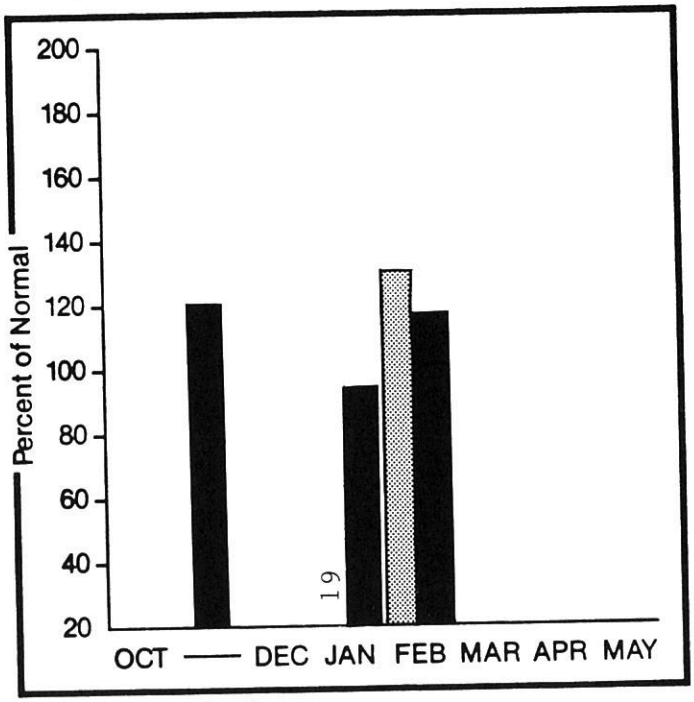
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Virgin River snowpack is 83% of average for March 1. Enterprise-New Harmony snowpack is only 30% of what has normally accumulated by March 1 due to above average temperature and early melt. Streamflow is forecast below average on the Virgin and Santa Clara, above average on Coal Creek, and much above average for Lake Powell Inflow. Mountain precipitation was 130% of average for February with water year accumulation of 117%. Reservoir storage is only half of capacity with most reservoirs not expected to fill.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	APR-JUL	48.0	52.0	108	146	77	500			
SEVIER near Circleville	APR-JUL	38.0	50.0	131						
SEVIER near Kingston	APR-JUL	29.0	32.0	110	190	52	500			
ANTIMONY CREEK near Antimony	APR-JUL	10.3	7.4	71						
E F SEVIER near Kingston	APR-JUL	18.9	22.0	116	180	79				
SEVIER blw Piute Dam	APR-JUL	45.0	50.0	111	178	56				
CLEAR CREEK near Sevier	APR-JUL	18.9	21.0	111			300			
SIGURD to GUNNISON	APR-JUL	26.0	90.0	346	438	262				
KINGSTON to VERMILLION DAM	APR-JUL	45.0	60.0	133						
VERMILLION DAM to GUNNISON	APR-JUL	35.0	90.0	257						
SALINA CREEK at Salina	APR-JUL	11.9	22.0	184			600			
SEVIER nr Gunnison	APR-JUL	54.0	140.0	259						
CHALK CREEK near Fillmore	APR-JUL	16.4	17.7	107	146	73				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.4	125	171	86				
OAK CREEK near Oak City	APR-JUL	1.6	1.7	106	188	56				
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	19.0	127						
PLEASANT CREEK near Pleasant	APR-JUL	8.6	11.0	127						
SALT CREEK near Nephi	APR-JUL	13.5	13.5	100	178	22				
BEAVER RIVER near Beaver	APR-JUL	23.0	40.0	173	226	130	475			
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	22.8	156	233	75				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	22.7	255	303	202				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	18.0	15.0	14.0
MINERSVILLE (RkvFd)	26.0	20.2	23.8	12.9
OTTER CREEK	52.5	52.0	47.7	31.2
PIUTE	71.8	66.7	71.8	41.5
SEVIER BRIDGE	236.0	231.9	217.2	119.6
PANQUITCH LAKE	22.3	19.2	20.3	---

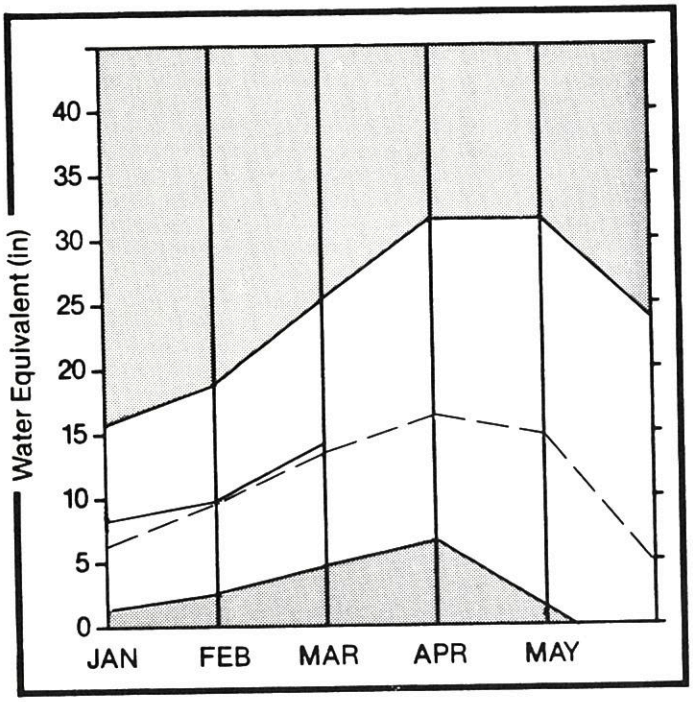
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	11	84	86
EAST FORK SEVIER RIVER	4	92	88
SOUTH FORK SEVIER RIVER	7	81	86
LOWER SEVIER RIVER (inclu	12	108	104
BEAVER RIVER	3	139	146
SEVIER & BEAVER RIVER BAS	26	103	103

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

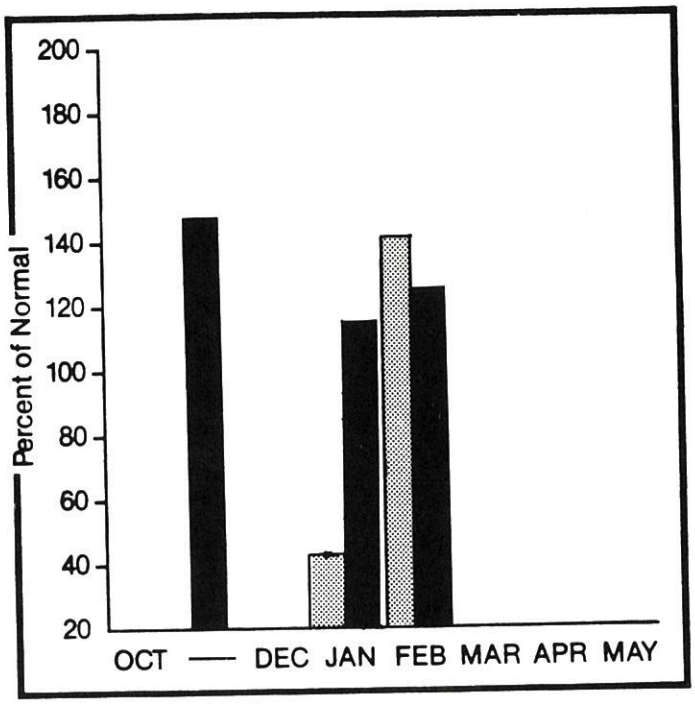
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Sevier River snowpack ranges from 86% of the March 1 average on the South Fork to 104% on the Lower Sevier. Beaver River snowpack is 146% of average. Streamflow forecasts, with the exception of Antimony Creek, remain above to much above average. Mountain precipitation, although of a lesser magnitude than received in the north, was 142% of the February average with water year accumulation of 125% of the October-February average. Reservoir storage is 96% of useable capacity and 177% of average.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	13.5	126	159	93				
SCOFIELD RESERVOIR inflow	APR-JUL	38.0	55.0	144	171	124				
PRICE near Heiner	APR-JUL	63.0	92.0	146						
HUNTINGTON CREEK near Huntington	APR-JUL	49.0	70.0	142	171	124				
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	60.0	127	162	94				
FERRON CREEK near Ferron	APR-JUL	37.0	48.0	129	168	92	600			
MUDDY CREEK near Emery	APR-JUL	18.5	24.0	129	168	92	200			
COLORADO near Cisco, UT	APR-JUL	3046.0	4350.0	142	183	112				
GREEN near Green Rv., UT	APR-JUL	3016.0	4700.0	155	183	129				
MILL CREEK near Moab	APR-JUL	5.5	6.5	118	164	73				
NAVAJO RESERVOIR inflow	APR-JUL	729.0	850.0	116	158	82				
SAN JUAN near Bluff, UT	APR-JUL	995.0	1150.0	115	163	77				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	7.1	109	154	77				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	2.9	4.4	3.0
JOE'S VALLEY	54.6	38.3	49.3	44.6
KEN'S LAKE	2.3	1.3	0.6	---
MILL SITE	16.7	9.2	11.0	4.0
NAVAJO	1696.0	1196.0	1372.0	752.3
SCOFIELD	65.8	49.3	51.0	32.2

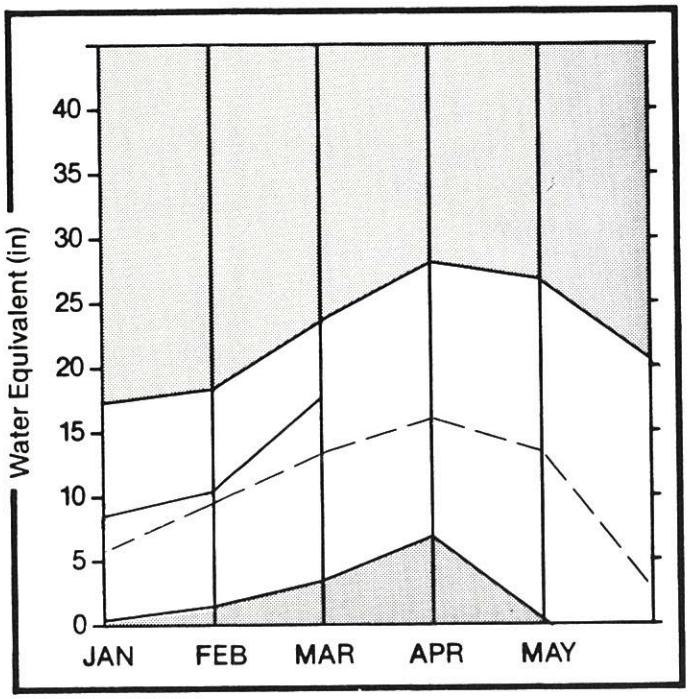
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	3	139	139
SAN RAFAEL RIVER	7	133	133
MUDDY RIVER	2	144	124
FREMONT RIVER	3	118	115
LASAL MOUNTAINS	2	160	103
BLUE MOUNTAINS	2	92	95
CARBON, EMERY, WAYNE, GRA	20	129	123

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

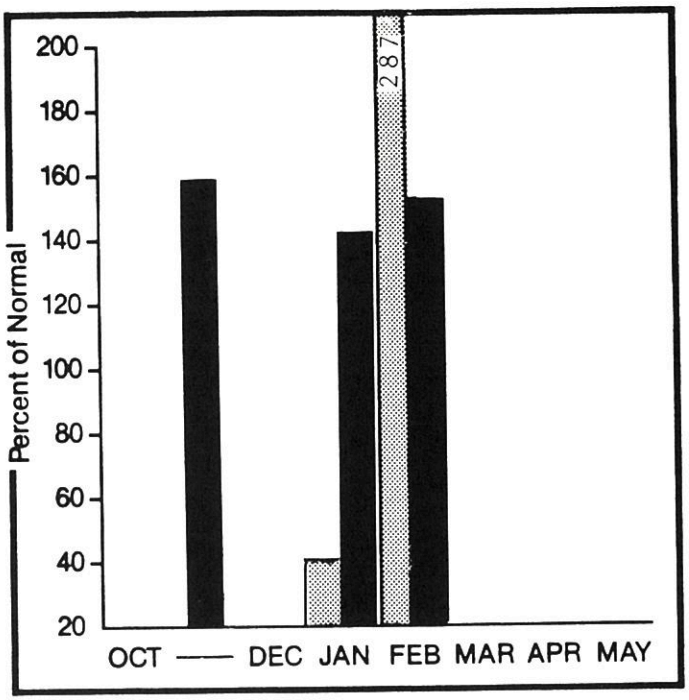
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Southeastern Utah snowpack ranges from record levels in the north to below average in the south for individual snow courses. Basin averages range from 139% on the Price River down to 95% for the Blue Mountains. Forecasts for April-July streamflow are for above to much above average flows ranging from 109 to 155% of average for the forecast period. Precipitation at mountain stations was 287% of the February norm bringing the water year accumulation to 152% of average. Reservoir storage is 155% of average.

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

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	160.0	152	169	133				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	290.0	153	174	133				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	100.0	172	193	152	750			
ROCK CREEK near Mountain Home	APR-JUL	93.0	135.0	145	169	127	2000			
CURRANT CREEK near Fruitland	APR-JUL	20.0	32.0	160	180	140				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	95.0	135	161	114				
YELLOWSTONE RIVER near Altonah	APR-JUL	65.0	90.0	138	174	103				
DUCHESNE near Myton	APR-JUL	205.0	440.0	214	246	176				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	58.0	85.0	146	188	105				
UINTAH RIVER near Neola	APR-JUL	86.0	130.0	151	192	110				
DUCHESNE near Randlett	APR-JUL	257.0	525.0	204	275	133				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	42.0	161	181	138				
HENRY'S FORK near Manila	APR-SEP	48.0	62.5	130	169	100				
BLACK'S FORK near Millburne	APR-JUL	90.0	120.0	133	169	102				
FLAMING GORGE RESERVOIR inflow	APR-JUL	1248.0	1900.0	152	178	129				
ASHLEY CREEK near Vernal	APR-JUL	51.0	64.5	126	151	106				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	2958.0	3036.5	---
MOON LAKE	35.8	21.8	28.3	16.8
RED FLEET	26.0	20.7	20.4	---
STEINAKER	33.3	32.6	30.2	21.1
STARVATION	165.3	147.3	126.0	112.1
STRAWBERRY-ENLARGED	951.4	354.7	244.0	---

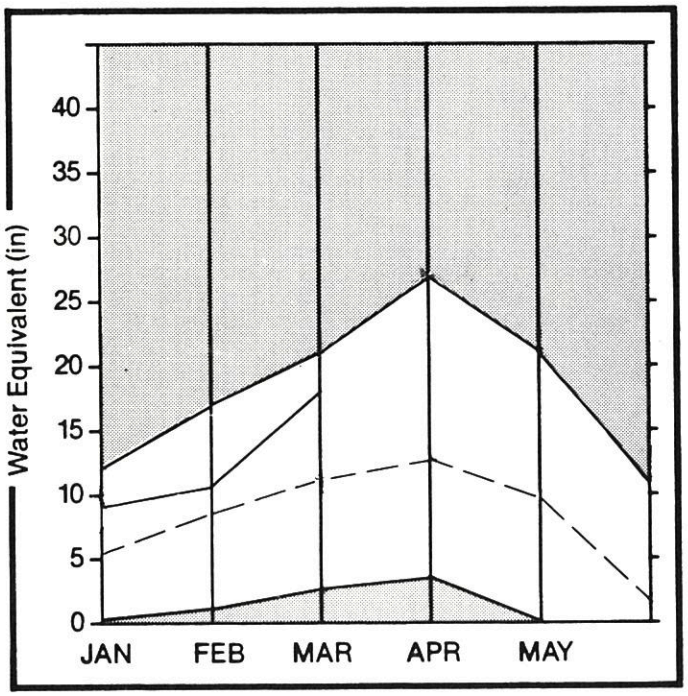
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	8	128	121
ASHLEY CREEK	2	128	119
BLACK'S FORK RIVER	3	132	126
SHEEP CREEK	2	117	112
DUCHESNE RIVER	11	159	163
LAKE FORK-YELLOWSTONE CRE	3	186	186
STRAWBERRY RIVER	4	136	150
UINTAH-WHITEROCKS RIVERS	2	169	169
UINTAH BASIN & DAGGET SCD	20	151	150

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Uintah Basin & Dagget SCD's

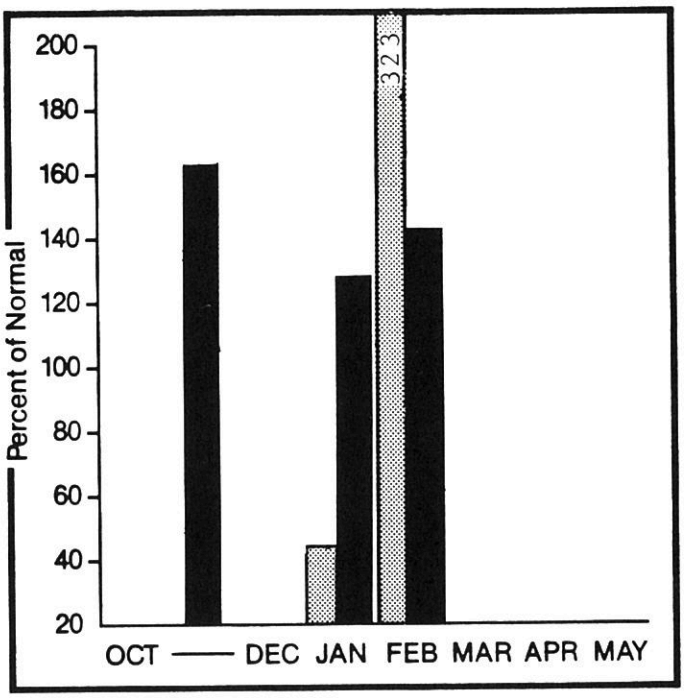
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Heavy February precipitation increased the snowpack on all drainages. Several south slope courses set new records. Snowpack ranges from 112% on Sheep Creek to 186% of the March 1 average on the Lakefork and Yellowstone drainage. Streamflow forecasts are for much above average water supplies ranging from 126 to 214% of average. February precipitation at mountain stations was 323% of normal bringing the total for the water year to 142% of average. Reservoir storage is 86% of capacity and 134% of 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	APR-JUL	106.0	160.0	150	180	127	2300			
PROVO below Deer Creek Dam	APR-JUL	118.0	200.0	169	196	141				
AMERICAN FORK near American Fk.	APR-JUL	31.0	50.0	161	181	148	550			
HOBBLE CREEK near Springville	APR-JUL	18.7	32.0	171						
STRAWBERRY RESERVOIR inflow	APR-JUL	72.0	120.0	166	188	143				
PAYSON CREEK near Payson	APR-JUL	6.2	9.0	145						
UTAH LAKE inflow	APR-JUL	238.0	450.0	189	217	162				
LITTLE COTTONWOOD CRK near SLC	APR-JUL	38.0	52.0	136	153	124				
BIG COTTONWOOD CRK near SLC	APR-JUL	37.0	53.0	143	154	124				
PARLEY'S CEEK near SLC	APR-JUL	14.8	23.0	155	189	135				
MILL CREEK near SLC	APR-JUL	5.8	10.0	172	207	155				
EMIGRATION CREEK near SLC	APR-JUL	3.7	7.0	189						
CITY CREEK near SLC	APR-JUL	7.7	12.0	155	182	143				
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	2.2	95	174	43				
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.7	90	133	33				
VERNON CREEK near Vernon	APR-JUN	0.83	0.91	110	167	53				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	139.3	113.7	95.5
GRANTSVILLE	3.3	2.3	---	---
SETTLEMENT CREEK	1.0	0.8	0.0	0.5
STRAWBERRY-ENLARGED	951.4	354.7	244.0	---
UTAH LAKE	883.9	1058.7	1166.6	689.4
VERNON CREEK	0.6	0.5	0.0	0.5

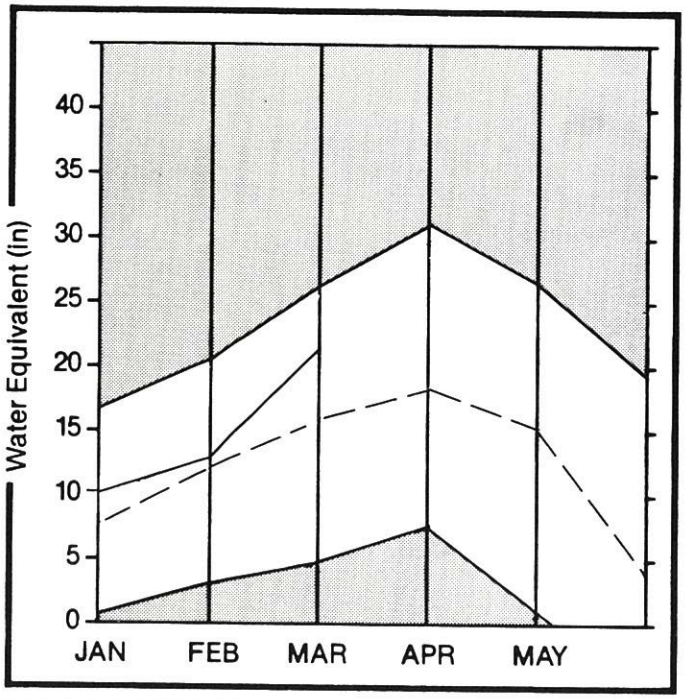
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	10	137	138
PROVO RIVER	5	159	156
JORDAN RIVER & GREAT SALT	5	102	112
TOOELE VALLEY WATERSHEDS	4	81	89
UTAH LAKE, JORDAN RIVER &	13	115	121

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

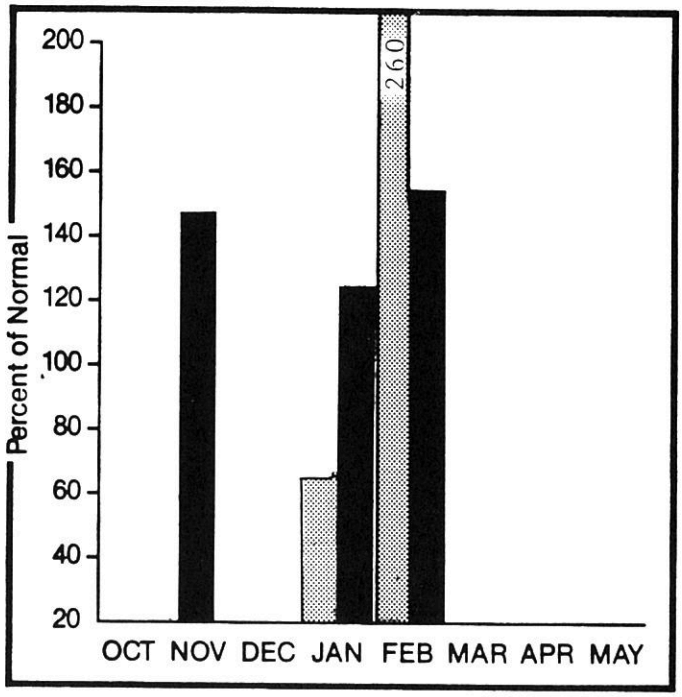
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Jordan River watershed has increased substantially from that of a month ago as a result of heavy precipitation and now stands at 122% of average. Tooele Valley watersheds, however, have decreased by 26% and are now only 89% of average due to warm temperatures and below average rainfall. Streamflow forecasts now range from 90 to 189%. Mountain precipitation was 260% of average on the Provo River-Utah Lake watershed in February and 157% for the water year. Reservoirs are 153% of 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WEBER RIVER near Oakley	APR-JUN	102.0	154.0	150	176	129	2464			
ROCKPORT RESERVOIR inflow	APR-JUN	111.0	180.0	162	197	132				
CHALK CREEK near Coalville	APR-JUN	36.0	70.0	194	225	164	1000			
WEBER RIVER near Coalville	APR-JUN	119.0	196.0	164	194	139				
LOST CREEK near Croyden	APR-JUN	15.6	26.5	169	212	128				
EAST CANYON CREEK near Morgan	APR-JUN	25.0	32.0	128	164	100				
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	24.6	133	185	87				
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	57.0	81.5	142	167	116				
PINEVIEW RESERVOIR inflow	APR-JUN	115.0	170.0	147	168	123				
ECHO RESERVOIR inflow	APR-JUN	145.0	257.0	177	206	151				
WEBER RIVER at Gateway	APR-JUN	300.0	511.0	170	193	147				
FARMINGTON CREEK near Farmington	APR-JUL	8.2	11.2	136	183	85				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CAUSEY	6.9	3.5	1.8	2.3
EAST CANYON	48.1	43.5	26.6	35.6
ECHO	73.9	46.0	43.1	49.5
LOST CREEK	20.0	12.3	13.2	13.4
PINEVIEW	110.1	94.7	51.4	48.7
ROCKPORT	60.9	39.8	31.7	30.2
WILLARD BAY	165.5	154.8	147.8	116.4

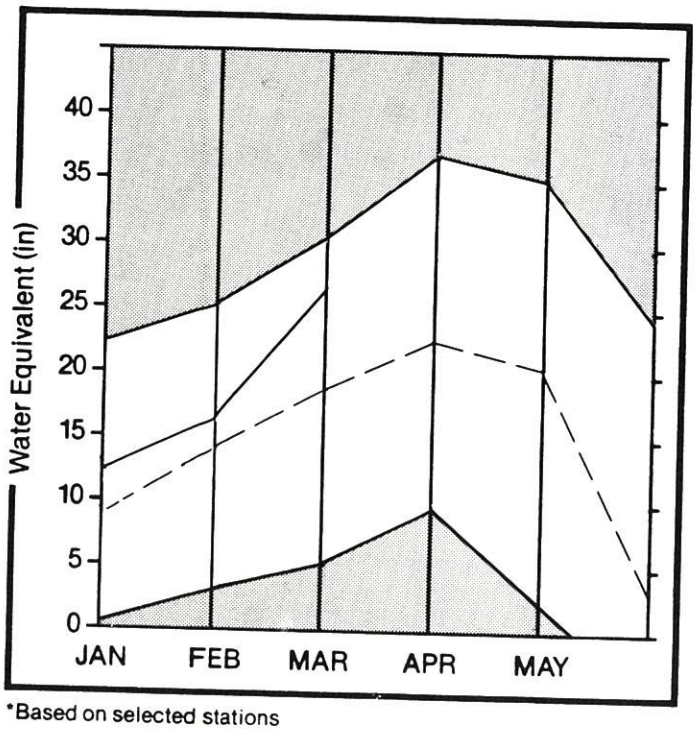
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
OGDEN RIVER	4	132	143
WEBER RIVER	13	136	144
WEBER & OGDEN WATERSHEDS	17	135	144

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

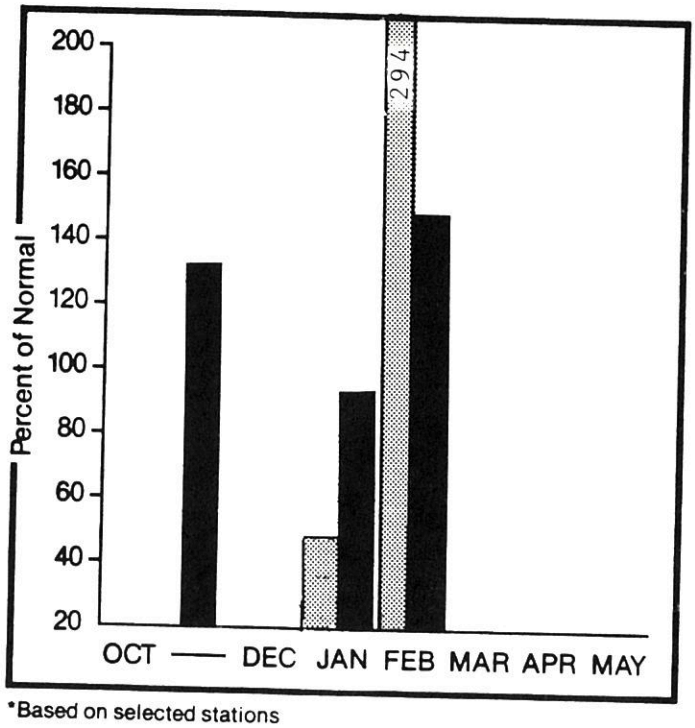
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Several snow courses in the Weber River watershed have record March 1 snowpack as a result of record February precipitation. Snowpack on the Ogden River watershed is 143% of average and the Weber drainage is 144%. Streamflow forecasts now range from 128 to 194% of average for the upcoming April-June forecast period. Precipitation at mountain stations was nearly three times normal for February with amounts ranging to 25 inches recorded. Reservoir storage is 81% of capacity and 133% of average.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	APR-JUL	110.0	149.0	135	157	117	2042			
BEAR near Woodruff	APR-JUL	139.0	181.0	130	169	107				
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	23.0	132	156	110	342			
BIG CREEK near Randolph	APR-JUL	5.3	9.5	179	226	132	89			
BEAR near Randolph	APR-JUL	110.0	222.0	201	258	145				
THOMAS FORK near Stateline	APR-SEP	35.0	50.4	144	169	120				
SMITHS FORK near Border	APR-SEP	119.0	170.0	142	167	118				
BEAR RIVER near Harer	APR-SEP	310.0	419.0	135	163	111				
LOGAN RIVER near Logan	APR-JUL	116.0	162.0	139	159	122	1421			
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	69.0	135	169	104				
LITTLE BEAR RIVER near Paradise	APR-JUN	38.0	51.0	134	171	97	741			
CUB RIVER near Preston	APR-JUL	46.8	60.0	128	167	90				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BEAR LAKE	1421.0	1089.0	1061.2	979.6
HYRUM	15.3	10.7	10.3	10.8
PORCUPINE	11.3	9.3	4.6	3.7
WOODRUFF NARROWS	55.8	34.2	57.8	---
WOODRUFF CREEK		NO REPORT		

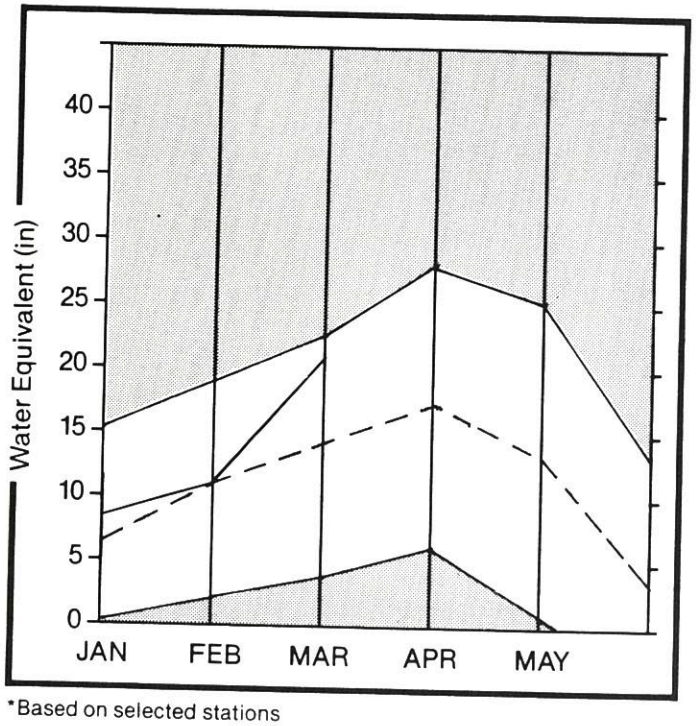
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR RIVER, UPPER IN UTAH	5	148	143
BEAR RIVER, LOWER IN UTAH	10	141	145
BEAR RIVER DRAINAGE IN UT	15	143	145
BEAR RIVER, UPPER (above	11	165	144
BEAR RIVER, LOWER (below	18	154	150
BEAR RIVER DRAINAGE	28	157	147
LOGAN RIVER	5	144	147
RAFT RIVER	4	151	124
BEAR RIVER BASIN	36	156	145

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

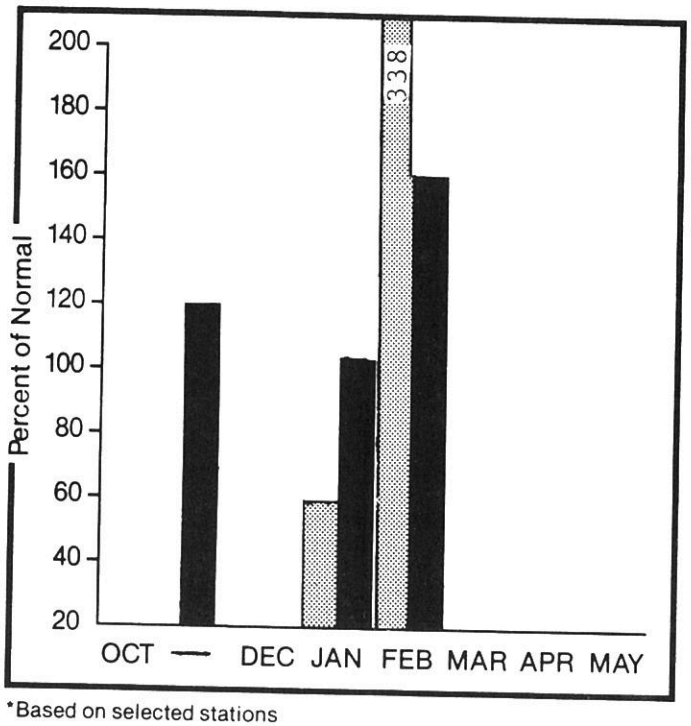
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Extremely heavy precipitation during February resulted in a dramatic increase in snowpack. Snowpack on the Bear River drainage is 147% of the March 1 average. Logan River snowpack is also 147% of the norm. Streamflow forecasts now range from 128 to 201% of average. Precipitation at mountain stations averaged 338% of average across the basin during February. Water year total accumulation is 161% of average. Reservoir storage as of the end of February was 112% of average.

For more information contact your local Soil Conservation Service office:

Tremonton Field Office 801-257-5403
Logan Field Office 801-753-5616

STREAMFLOW:

Streamflow forecasts have generally increased by 20 to 40% from the levels forecast a month ago due to heavy precipitation. The exceptions are in western and southern Utah where decreases of as much as 26% are projected. Warm weather during the last week of February and first week of March has melted a substantial amount of low and mid-elevation snow producing high early flows of water that would normally be stored in the snowpack for approximately another month.

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:

Record precipitation in areas of northern Utah produced record snowpack on some snow courses and flooding on the Bear and Weber Rivers. Preliminary estimates indicated the Weber at Gateway had set a new record peak flow. The situation in southern Utah is just opposite. Shallow snowpack, warm temperatures, early runoff and half-full reservoirs could lead to rationing.

SNOWPACK:

Snowpack across the state varies from record amounts in the north to no snow on some courses in the south. Rain on snow and warm temperatures have been responsible for some snow losses at lower elevations which resulted in flooding on the Bear and Weber and their tributaries. Areas of below to much below average snowpack exist in the Oquirrh Mountains, Blue Mountain, Upper Sevier and extreme southwestern corner of the state. Snowpack now ranges from 73% in the southwest to 150% of the March 1 average in the Uintas.

PRECIPITATION:

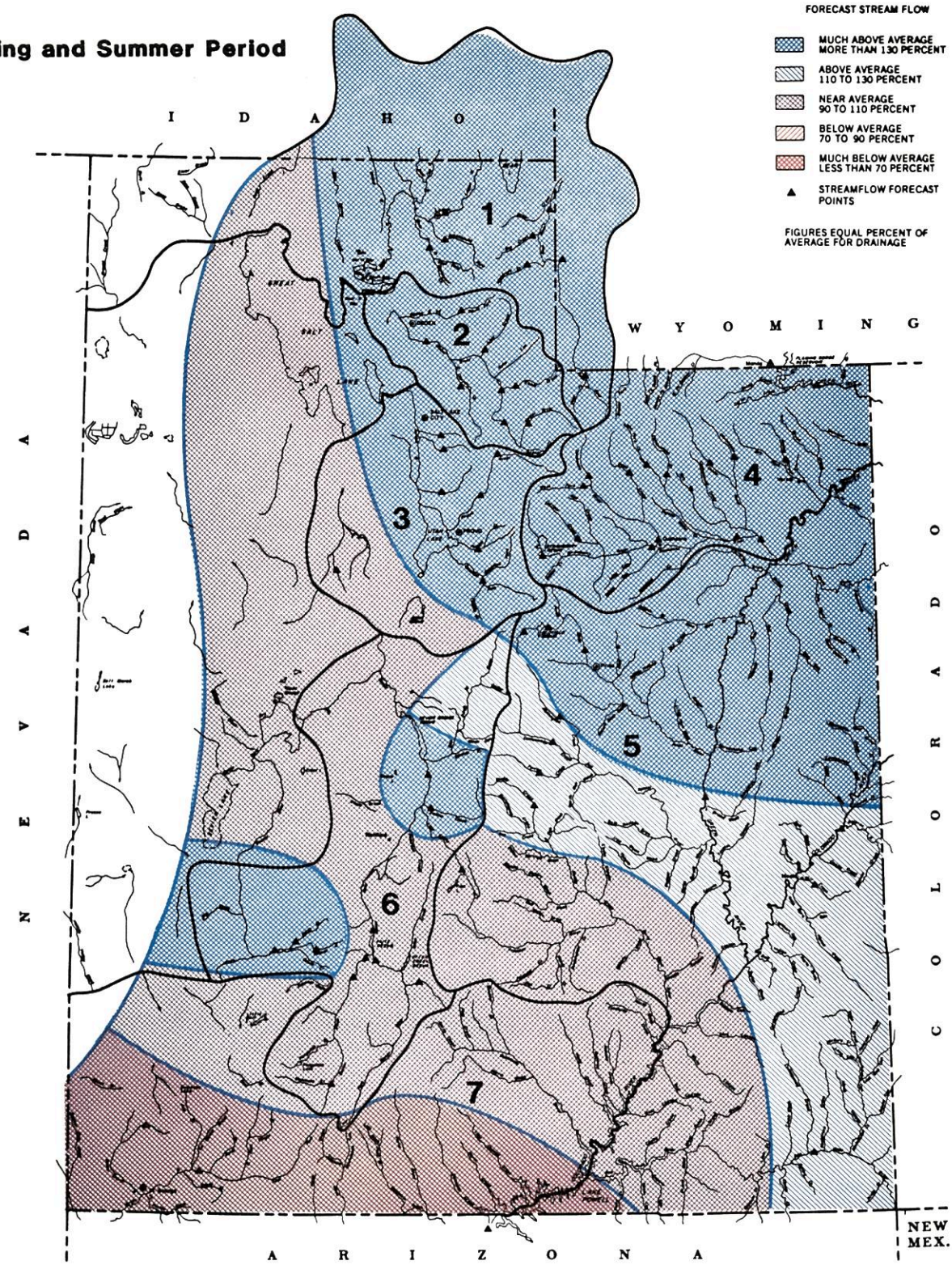
Precipitation at mountain stations for February was received in record amounts at some locations. Rainfall in excess of 15 inches was measured at several stations with Ben Lomond Peak, northeast of Ogden, receiving 25 inches. Mountain precipitation was above average across the state during February although southern Utah received much less than the north. Accumulations for the water year are also above average across the state ranging from 117% in the southwest to 161% on the Weber-Ogden drainage.

RESERVOIRS:

Useable water stored in 28 of the key irrigation reservoirs in the state as of the end of February was 138% of average and 79% of useable capacity. Normally these reservoirs are only holding 58% of their cumulative capacity. The only area in which reservoirs are not expected to fill is the Pine Valley-Bull Valley Mountain area of southwestern Utah where the snowmelt runoff peak is believed to have already occurred and releases for irrigation have already begun.

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.

Utah
Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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

Released by

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

In cooperation with

Utah State Department of Natural Resources

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

Prepared by

Jon G. Werner
Snow Survey Supervisor
Soil Conservation Service
125 So. State St., Fed. Bldg.
P. O. Box 11350
Salt Lake City, Utah 84147

United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

April 1, 1986

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Streamflow Prospects for Utah

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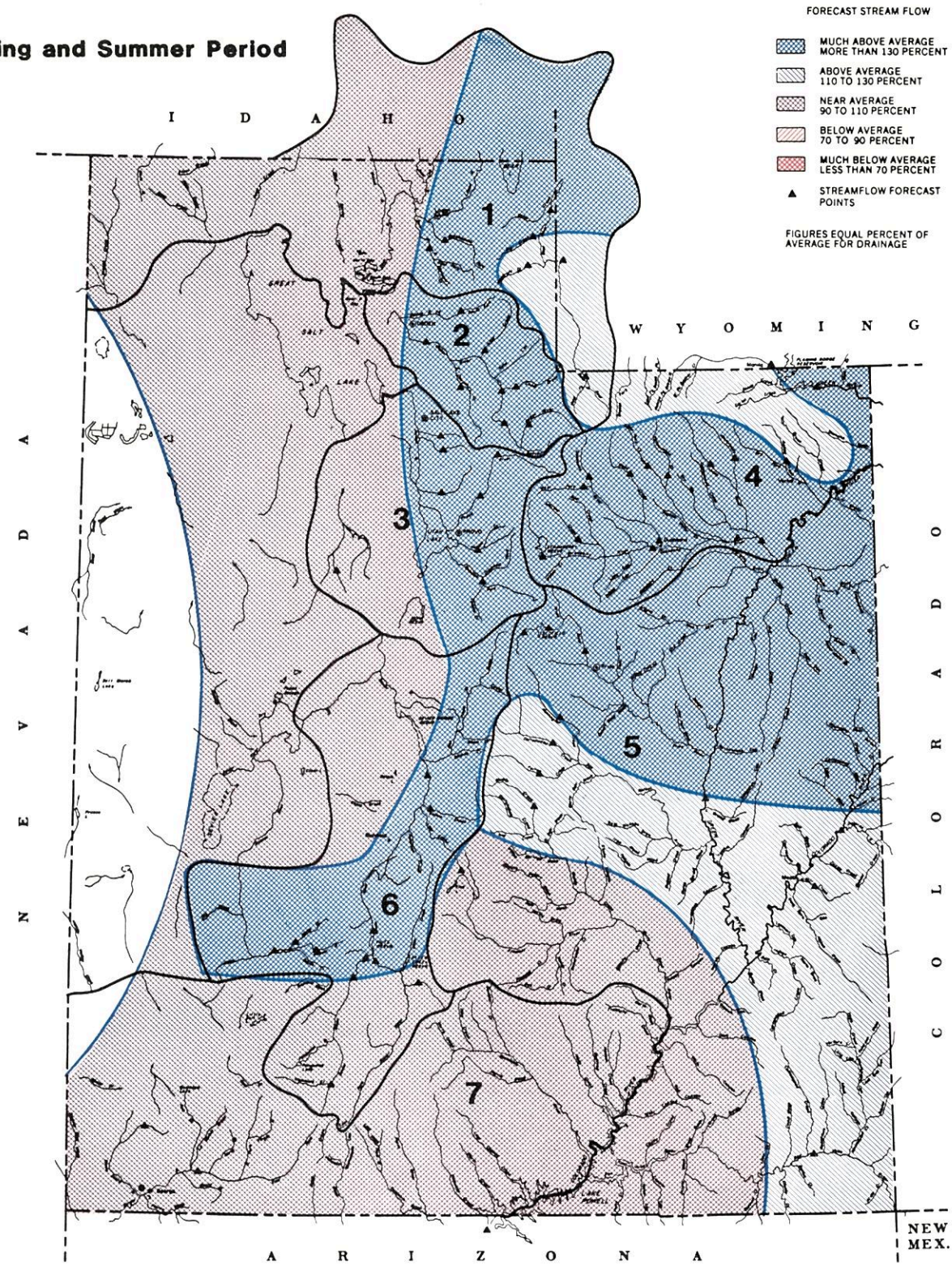

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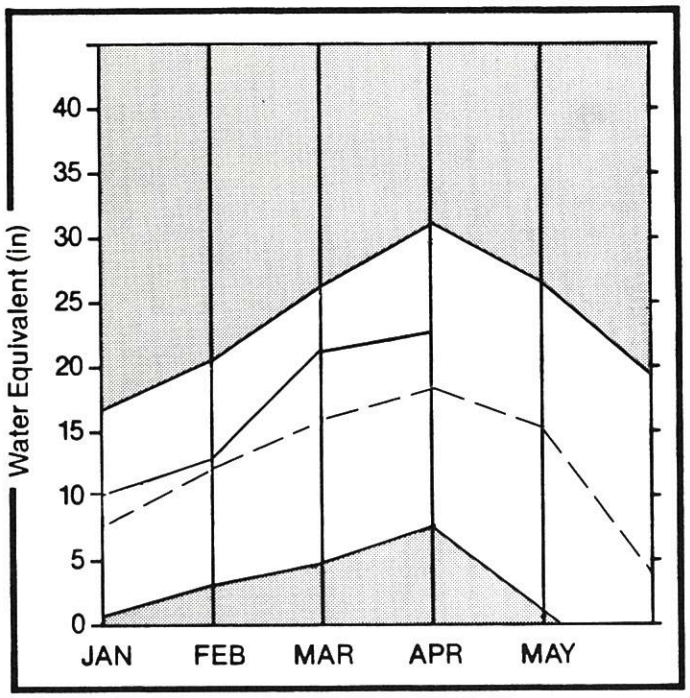
Utah Lake, Jordan River & Tooele Valley

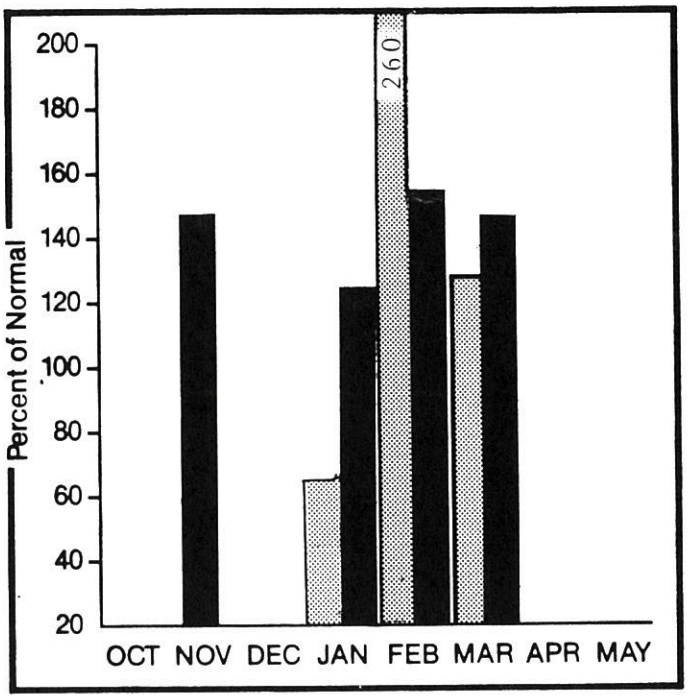
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Utah Lake watershed is 119% of average. The Provo River drainage has 140% of normal April 1 snowpack with Trial Lake snow course at a record 38.7 inches of water content. Tooele Valley snowpack remains below average at 78%. Streamflow forecasts have generally increased slightly or remained at the same level as forecast last month. Forecasts now range from 90 to 197% of average. March precipitation at mountain stations was 28% above average. Reservoir storage is 147% 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

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VERNON CREEK near Vernon	APR-JUN	827.0	910.0	110	161	59				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	108.8	123.3	97.9
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SETTLEMENT CREEK	1.0	0.8	0.3	0.6
STRAWBERRY-ENLARGED	951.4	528.8	290.9	---
UTAH LAKE	883.9	1095.3	1187.1	722.9
VERNON CREEK	0.6	0.5	0.2	0.5

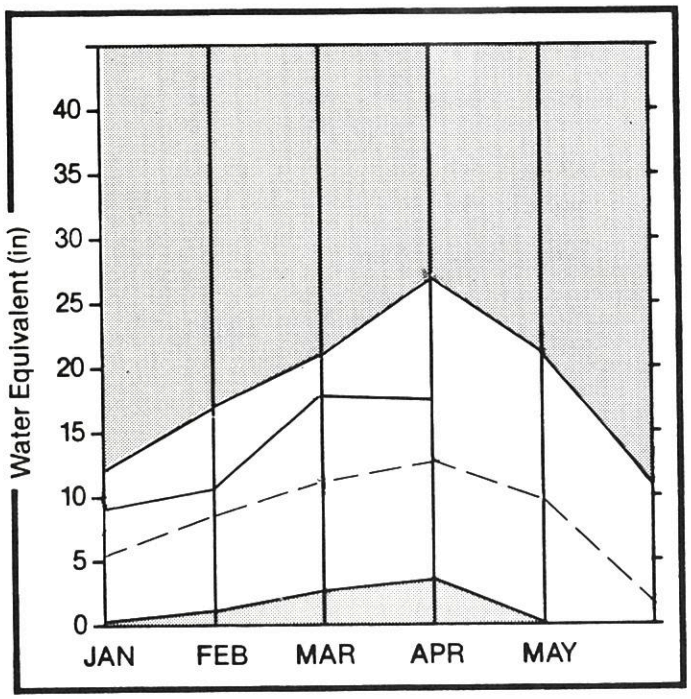
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	9	118	119
PROVO RIVER	4	148	140
JORDAN RIVER & GREAT SALT	6	101	113
TOOELE VALLEY WATERSHEDS	4	65	78
UTAH LAKE, JORDAN RIVER &	19	99	109

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Uintah Basin & Dagget SCD's

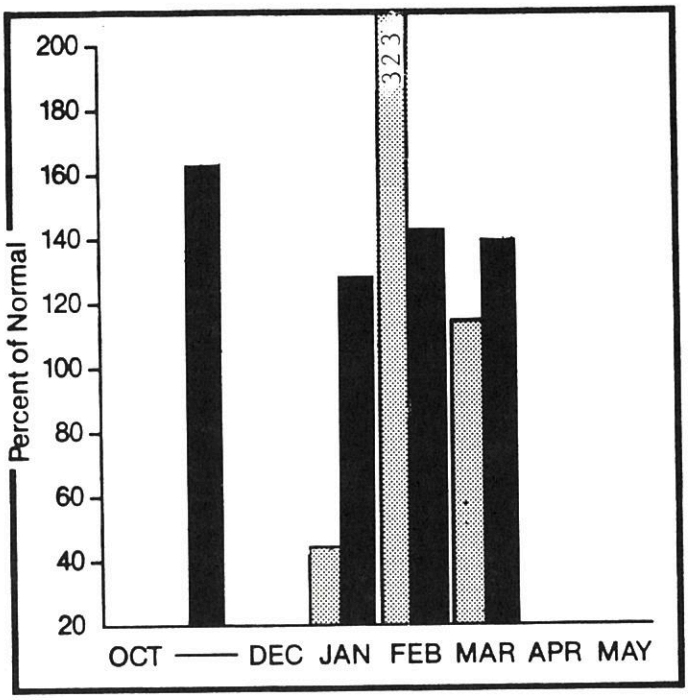
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Uintas is 135% of the average for April 1. Several snow courses on the south slope have record snowpack. Streamflow forecasts are down somewhat from levels forecast a month ago. Above to much above average flows, however, are still being forecast ranging from 122 to 185% of average. Mountain precipitation for March was 115% of average bringing water year accumulation to 140% of average. Reservoir storage at the end of March was 82% of capacity and 124% 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	145.0	138	152	124				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	260.0	137	154	123				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	88.0	151	169	136	1200			
ROCK CREEK near Mountain Home	APR-JUL	93.0	125.0	134	153	118	2500			
CURRANT CREEK near Fruitland	APR-JUL	20.0	30.0	150	165	135				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	94.0	134	157	117				
YELLOWSTONE RIVER near Altonah	APR-JUL	65.0	88.0	135	174	97				
DUCHESNE near Myton	APR-JUL	205.0	380.0	185	211	154				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	58.0	78.0	134	174	95				
UINTAH RIVER near Neola	APR-JUL	86.0	115.0	133	173	94				
DUCHESNE near Randlett	APR-JUL	257.0	475.0	184	255	115				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	39.0	150	165	135				
HENRY'S FORK near Manila	APR-SEP	48.0	59.0	122	160	96				
BLACK'S FORK near Millburne	APR-JUL	90.0	114.0	126	160	99				
FLAMING GORGE RESERVOIR inflow	APR-JUL	1248.0	1800.0	144	165	125				
ASHLEY CREEK near Vernal	APR-JUL	51.0	64.0	125	147	108				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	2913.3	2987.3	---
MOON LAKE	35.8	25.0	32.7	18.3
RED FLEET	26.0	20.8	20.4	---
STEINAKER	33.3	32.6	30.0	22.6
STARVATION	165.3	134.0	135.7	114.1
STRAWBERRY-ENLARGED	951.4	528.8	290.9	---

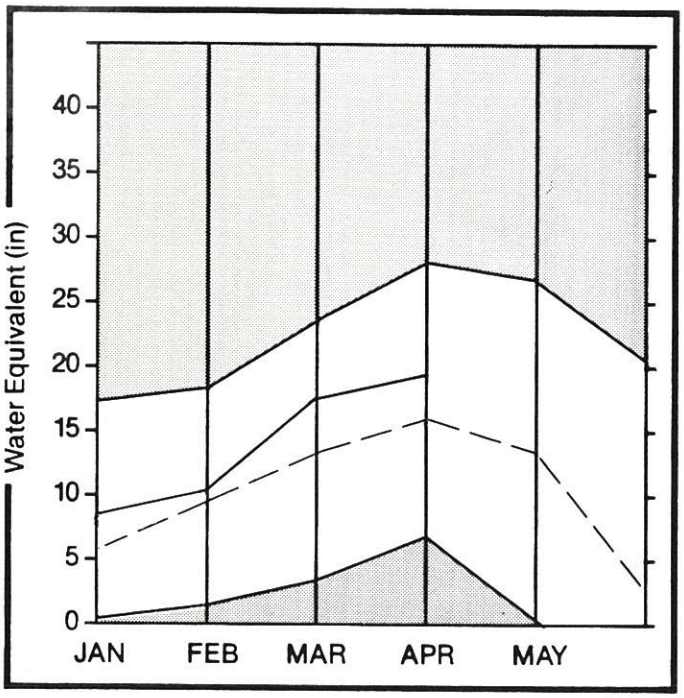
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	13	126	130
ASHLEY CREEK	2	118	113
BLACK'S FORK RIVER	3	133	119
SHEEP CREEK	2	103	109
DUCHESNE RIVER	13	135	140
LAKE FORK-YELLOWSTONE CRE	3	141	144
STRAWBERRY RIVER	4	119	127
UINTAH-WHITEROCKS RIVERS	2	141	158
UINTAH BASIN & DAGGET SCD	27	131	135

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

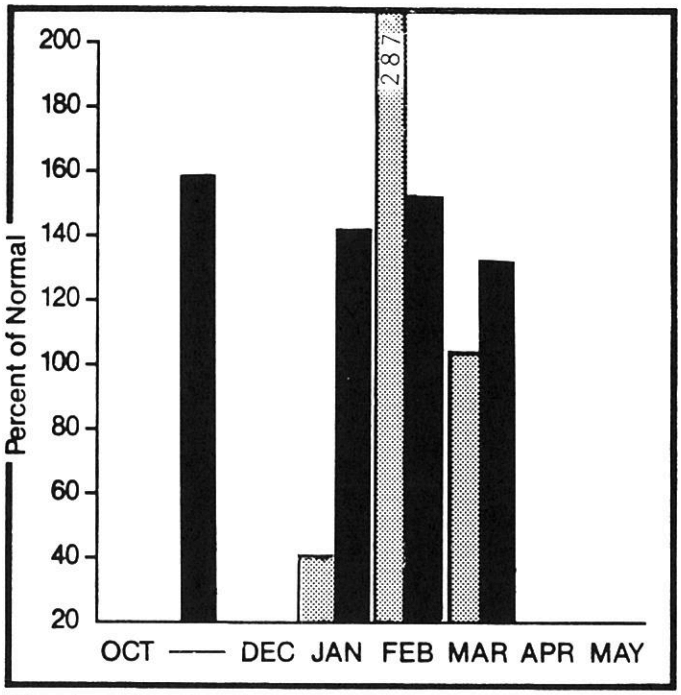
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the watersheds of southeastern Utah ranges from 82% of the April 1 average on the Blue Mountains to 118% on the San Rafael River. Streamflow forecasts are the same or slightly lower than the forecasts released a month ago. Forecasts now range from 100 to 149% of the forecast period (April through July) average. Mountain precipipation in March was 105% of normal. Total accumulated precipitation for the water year is 132% of average. Reservoir storage is 156% of normal and 71% of capacity.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	13.5	126	150	103				
SCOFIELD RESERVOIR inflow	APR-JUL	38.0	55.0	144	163	129				
PRICE near Heiner	APR-JUL	63.0	92.0	146						
HUNTINGTON CREEK near Huntington	APR-JUL	49.0	70.0	142	161	129				
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	57.0	121	151	91				
FERRON CREEK near Ferron	APR-JUL	37.0	45.0	121	146	97	650			
MUDDY CREEK near Emery	APR-JUL	18.5	22.0	118	141	97	250			
COLORADO near Cisco, UT	APR-JUL	3046.0	4300.0	141	171	116				
GREEN near Green Rv., UT	APR-JUL	3016.0	4500.0	149	171	127				
MILL CREEK near Moab	APR-JUL	5.5	6.0	109	127	91				
NAVAJO RESERVOIR inflow	APR-JUL	729.0	850.0	116	154	88				
SAN JUAN near Bluff, UT	APR-JUL	995.0	1120.0	112	153	82				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	123	77				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	3.7	3.0	3.8
JOE'S VALLEY	54.6	47.8	48.1	45.6
KEN'S LAKE	2.3	1.4	0.9	---
MILL SITE	16.7	7.4	12.0	4.6
NAVAJO	1696.0	1210.0	1394.0	752.1
SCOFIELD	65.8	43.7	50.9	33.3

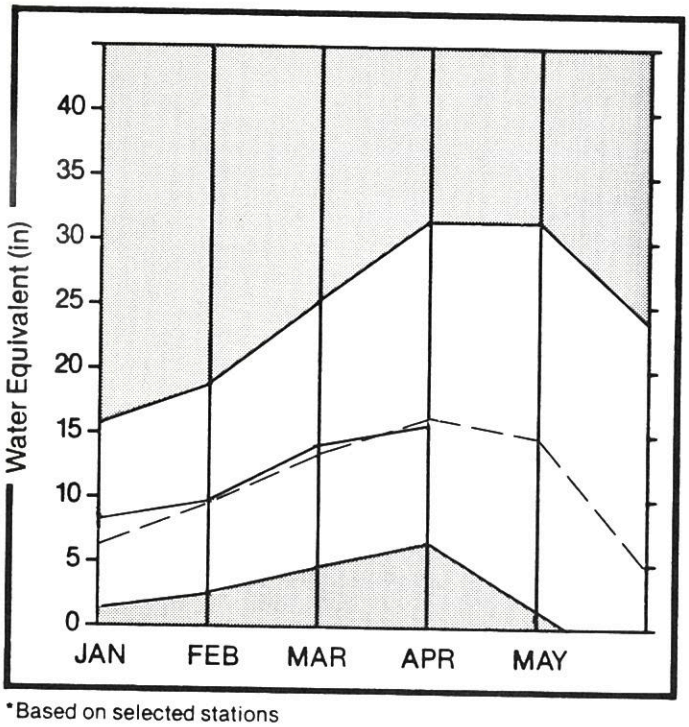
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	3	106	105
SAN RAFAEL RIVER	7	116	118
MUDDY RIVER	2	129	103
FREMONT RIVER	4	85	97
LASAL MOUNTAINS	2	135	95
BLUE MOUNTAINS	2	80	82
CARBON, EMERY, WAYNE, GRA	22	106	105

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

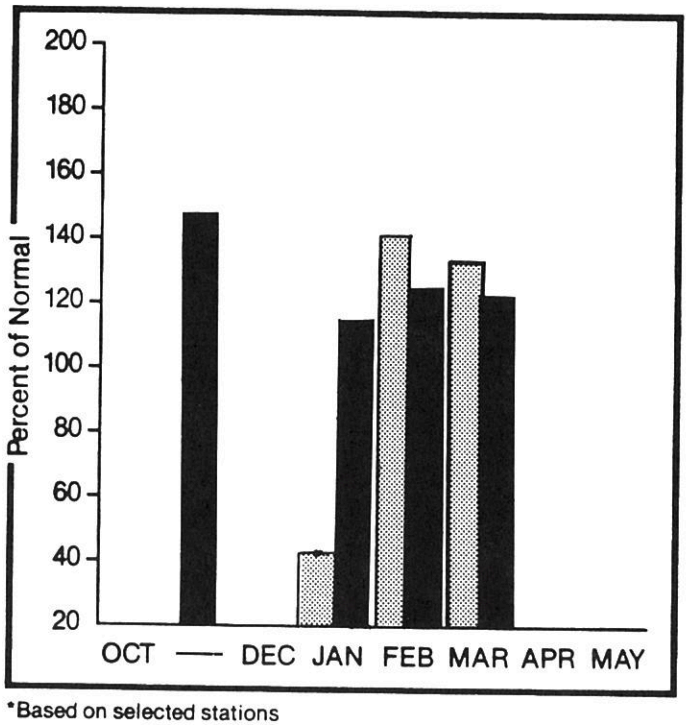
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Upper Sevier is 76% of average. The Lower Sevier is slightly above average with 101%. The Beaver River snowpack remains heavy with 139% of average April 1 water content. Streamflow forecasts now range from 80% to 384% of average across the basin. Precipitation at mountain stations was 133% of the March average. Total accumulated precipitation for the water year is 123% of normal. Reservoir storage is 96% of usable capacity and 156% of normal for the end of March.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	APR-JUL	48.0	52.0	108	140	85	500			
SEVIER near Circleville	APR-JUL	38.0	50.0	131	132	132				
SEVIER near Kingston	APR-JUL	29.0	32.0	110	172	62	450			
ANTIMONY CREEK near Antimony	APR-JUL	10.3	9.5	92						
E F SEVIER near Kingston	APR-JUL	18.9	25.0	132	190	101				
SEVIER blw Piute Dam	APR-JUL	45.0	50.0	111	176	60				
CLEAR CREEK near Sevier	APR-JUL	18.9	21.0	111			325			
SIGURD to GUNNISON	APR-JUL	26.0	100.0	384	465	308				
KINGSTON to VERMILLION DAM	APR-JUL	45.0	60.0	133						
VERMILLION DAM to GUNNISON	APR-JUL	35.0	95.0	271						
SALINA CREEK at Salina	APR-JUN	11.9	22.0	184			600			
SEVIER nr Gunnison	APR-JUL	54.0	150.0	277						
CHALK CREEK near Fillmore	APR-JUL	16.4	15.0	91	116	67				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.1	117	143	86				
OAK CREEK near Oak City	APR-JUL	1.6	1.7	106	188	62				
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	20.0	134						
PLEASANT CREEK near Pleasant	APR-JUL	8.6	12.0	139						
SALT CREEK near Nephi	APR-JUL	13.5	10.9	80	156	7				
BEAVER RIVER near Beaver	APR-JUL	23.0	38.3	166	209	126	450			
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	22.0	150	226	75				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	18.0	202	247	157				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	18.5	15.5	16.3
MINERSVILLE (RkvFd)	26.0	22.9	26.0	14.3
OTTER CREEK	52.5	52.5	47.5	35.8
PIUTE	71.8	71.7	71.6	46.2
SEVIER BRIDGE	236.0	221.3	210.1	136.2
PANQUITCH LAKE	22.3	20.0	20.9	---

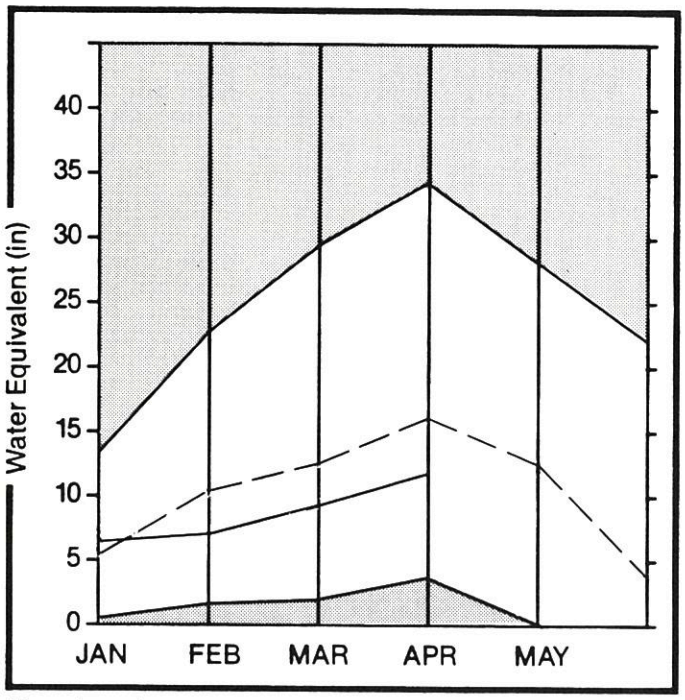
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	11	79	76
EAST FORK SEVIER RIVER	4	83	79
SOUTH FORK SEVIER RIVER	7	77	75
LOWER SEVIER RIVER (inclu	13	102	101
BEAVER RIVER	3	144	139
SEVIER & BEAVER RIVER BAS	27	100	98

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

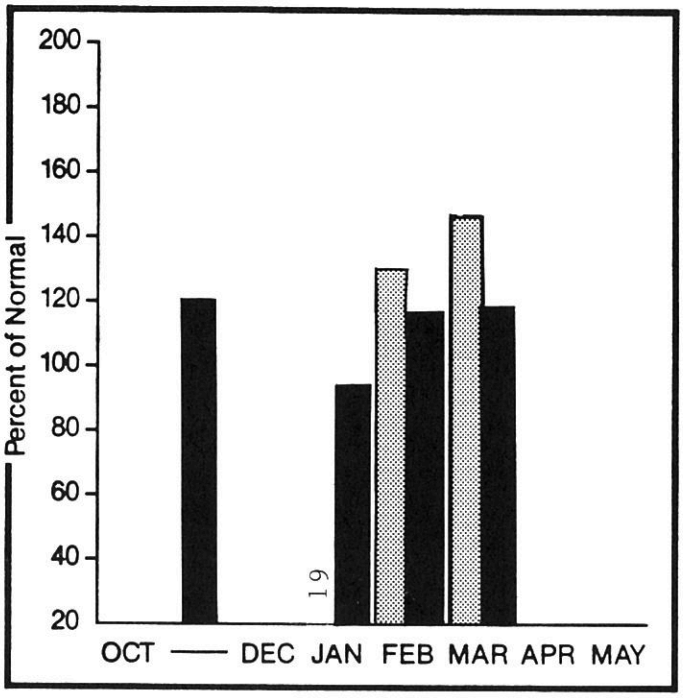
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Virgin River snowpack is 77% of normal for April 1. Parowan Creek, Coal Creek and Escalante River snowpack is 72, 75 and 88% of average respectively. Enterprise-New Harmony snowpack is a scant 9% of average. Mild temperatures have reduced the snowpack by 2 to 21% of average compared to a month ago despite March precipitation of 146% of average. As a result of heavy March precipitation streamflow forecasts have increased from 3 to 16% from levels forecast last month. Reservoir storage has improved.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	APR-JUN	62.0	55.0	88	123	56	600			
SANTA CLARA near Pine Valley	APR-JUN	5.3	5.3	100						
COAL CREEK near Cedar City	APR-JUL	18.4	22.0	119	147	98	350			
LAKE POWELL inflow	APR-JUL	7462.0	10800.0	144	173	120				

RESERVOIR STORAGE (1000AF)

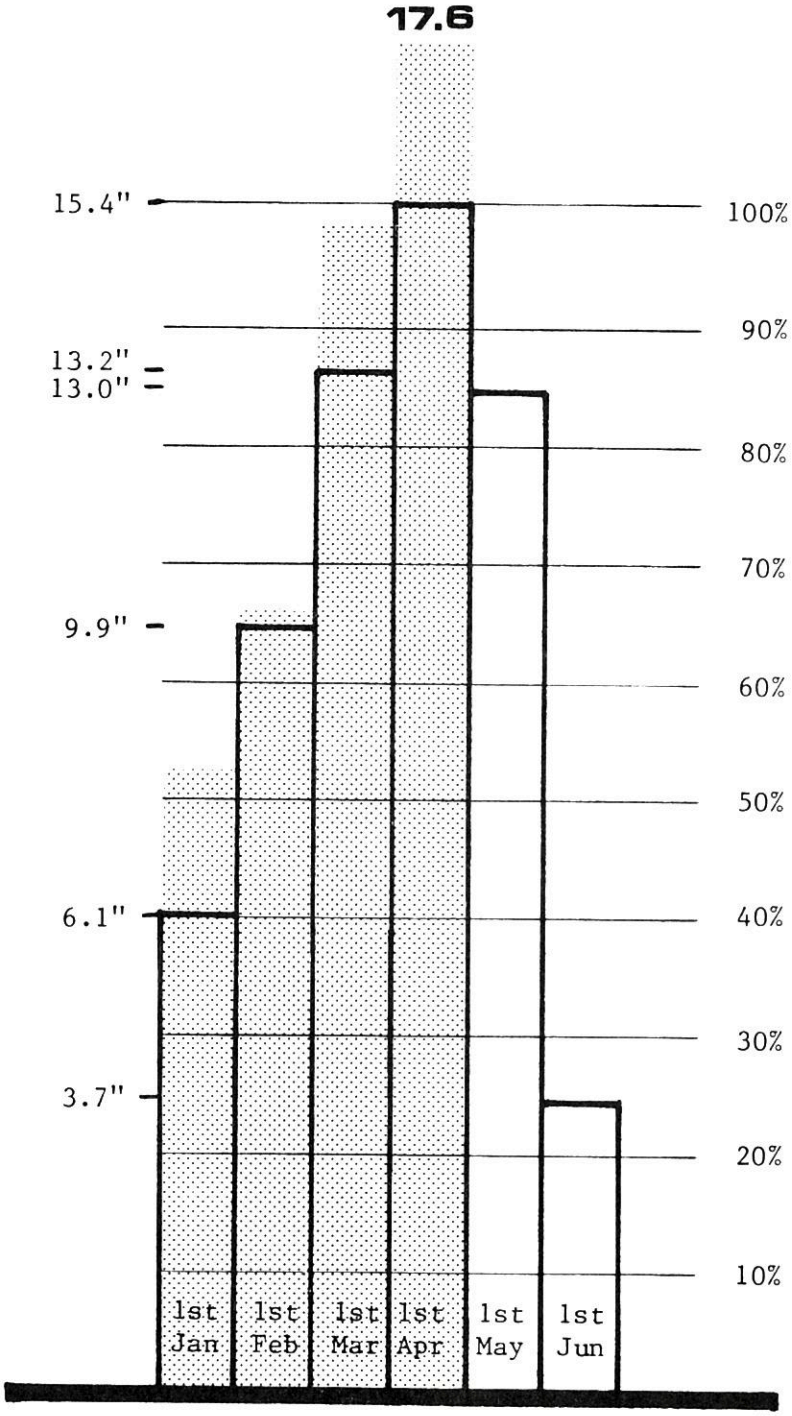
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
LAKE POWELL	25002.0	22015.0	21399.0	---

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
VIRGIN RIVER	5	86	77
PAROWAN	4	76	72
ENTERPRISE TO NEW HARMONY	2	18	9
COAL CREEK	3	81	75
ESCALANTE RIVER	2	78	88
E. GARFIELD, KANE, WASHIN	12	76	66

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

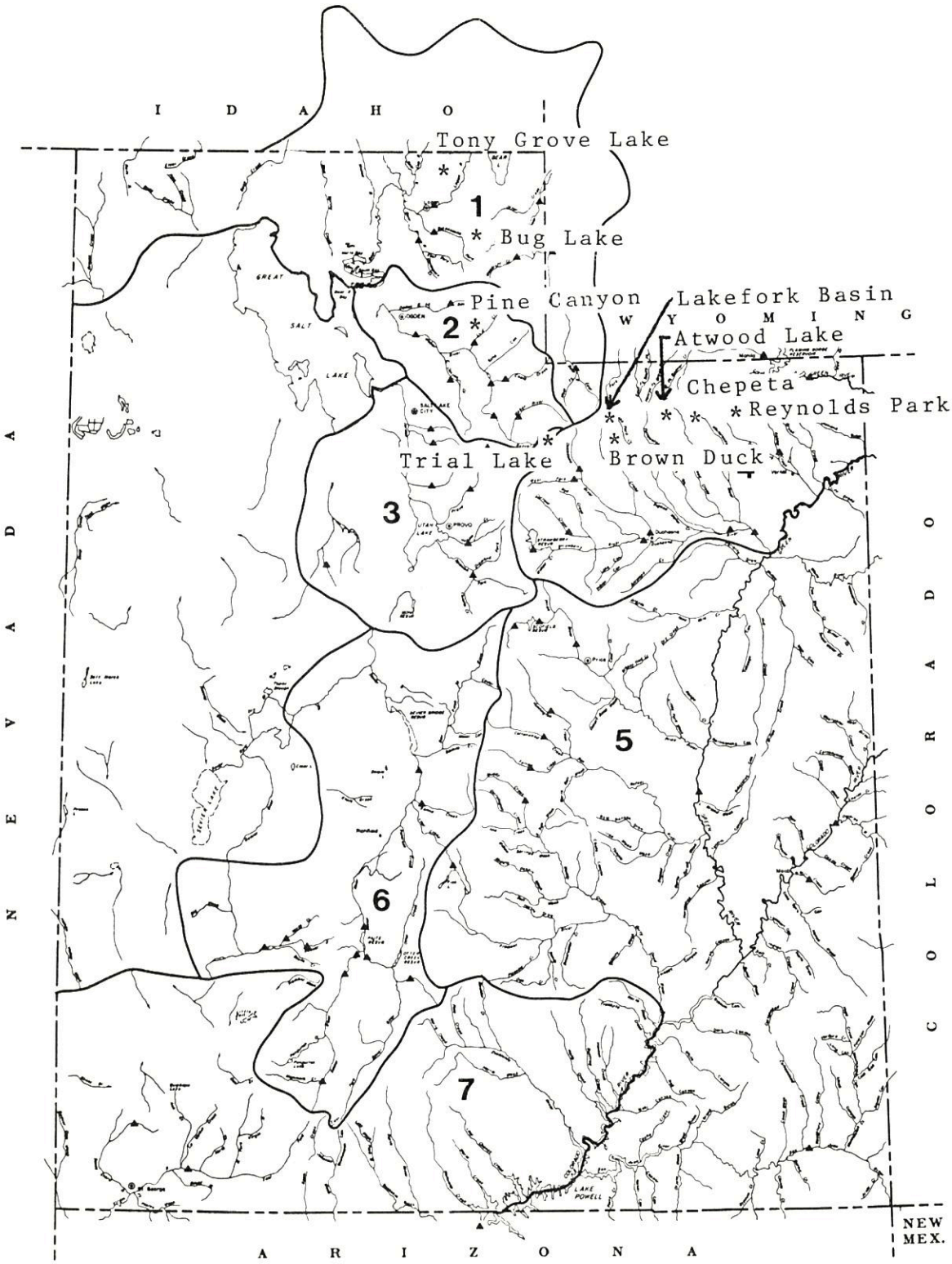
Utah Snowpack Progress



Statewide

Average monthly snow water equivalent for the current water year is compared to 1961-80, 20 year average monthly snow water equivalent.
Peak average snow water equivalent achieved on April 1 equals 100%.

*=NEW RECORD APRIL 1 SNOW WATER EQUIVALENT



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United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

May 1, 1986

Utah
Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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Soil Conservation Service
Washington, D. C.

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State Conservationist
Soil Conservation Service
Salt Lake City, Utah

In cooperation with

Utah State Department of Natural Resources

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State Engineer	Director
Division of Water Rights	Division of Water Resources

Prepared by

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Snow Survey Supervisor
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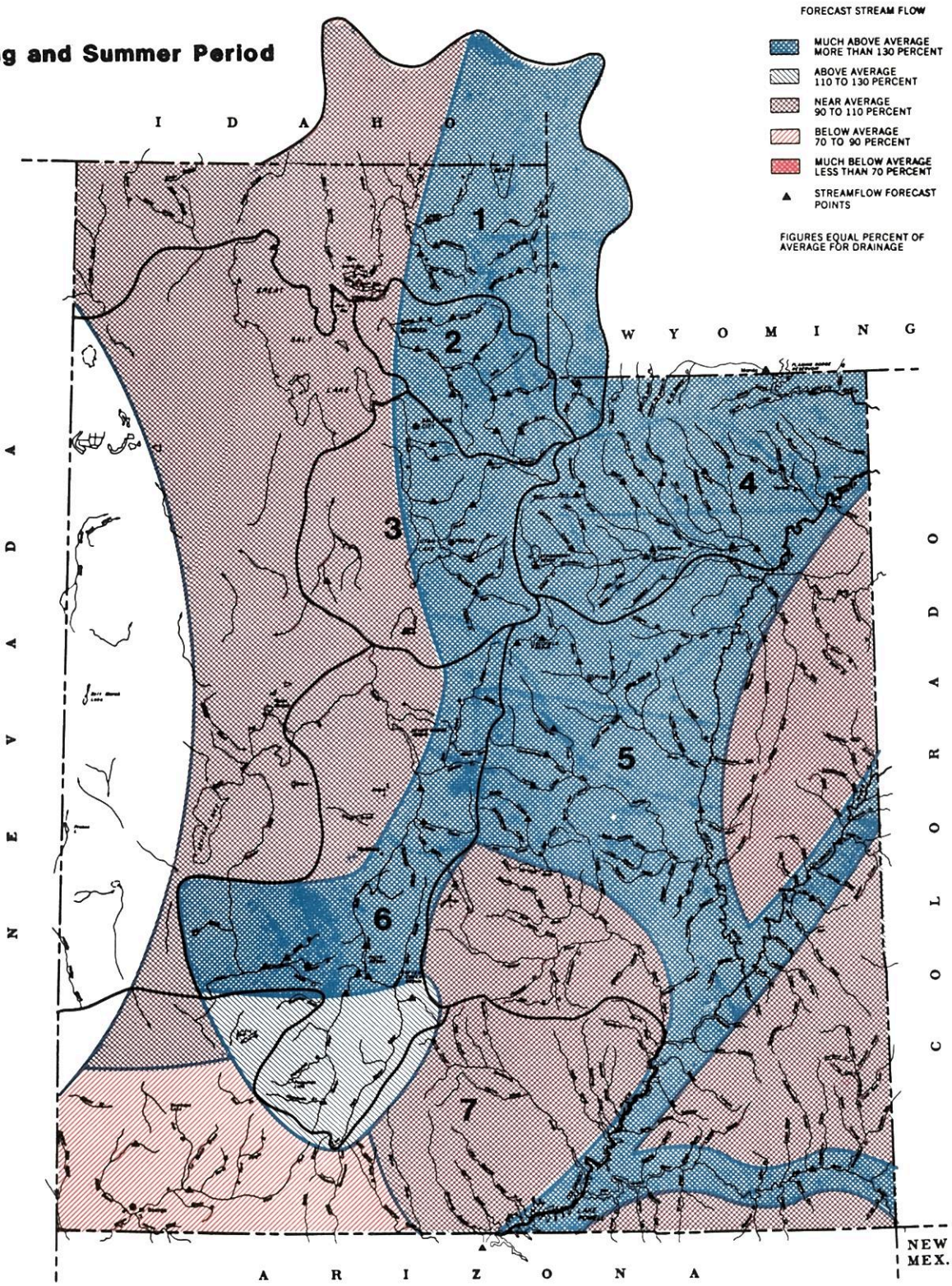
Streamflow Prospects for Utah

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:

April continued the trend of above average mountain precipitation to three consecutive months. Snowmelt during April was slowed at high elevations due to extended periods of storminess. The water supply outlook improved in some of the water short areas of southern Utah, although shortages are still expected. The situation in the water-logged North has become more critical as snowpack on the tributaries to the swollen Great Salt Lake approaches the level recorded in 1983 and the elevation of the Lake nears the historical peak of 4211.6 feet.

SNOWPACK:

Snowpack varies from much above average on the Wasatch and Uinta mountains to much below average in the Enterprise to New Harmony area of southwest Utah. Two notable exceptions to this general north-south trend are the Oquirrh-Stansbury mountain area around Tooele Valley which, although improved, is still below average and the Beaver River watershed in southern Utah which is much above average. Two sites on the Weber, one site on the Provo and three sites on tributaries to the Duchesne set new records this month for maximum May 1 water content. Snowpack now ranges from 72% of average in southwestern Utah to 143% on the Uintas.

PRECIPITATION:

April was the third consecutive month of above normal precipitation over the mountainous areas of Utah. Rainfall in excess of ten inches fell on several sites in the Wasatch and Uinta mountains. Southeastern Utah had the least rainfall at 127% of average ranging upward to the Utah Lake-Jordan River watershed which received 157% of normal April precipitation. All mountainous areas of the state have above normal water year (October 1 through April 30) precipitation accumulation. Southwestern Utah has received 114% of the seasonal average and the Uintas have received 146%.

RESERVOIRS:

Usable stored water in 26 key irrigation reservoirs in Utah is 97% of capacity and 129% of average for the end of April even though some reservoirs, most notably those on the Weber and Provo Rivers, are being held down in anticipation of high snowmelt runoff. Reservoirs in southwestern Utah haven't filled and most likely will not fill this year.

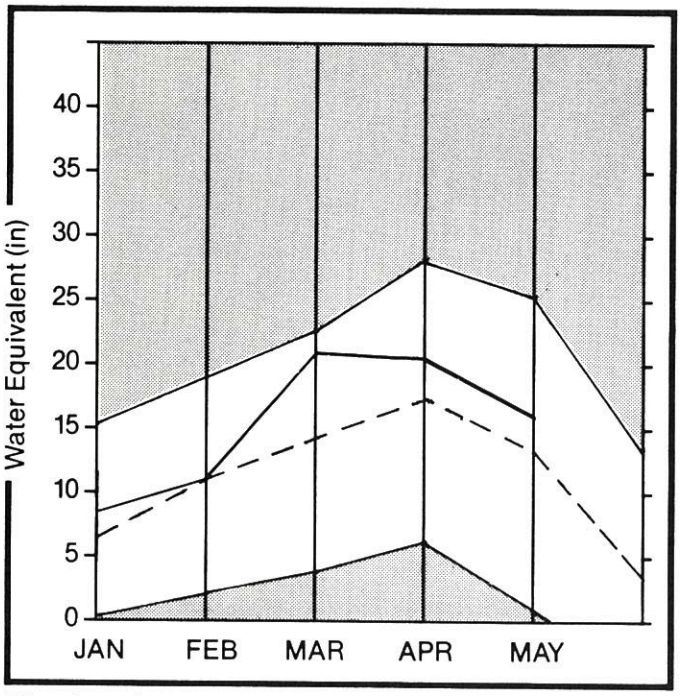
STREAMFLOW:

Forecasts of spring and summer streamflow have generally increased across the State from the levels forecast last month as the result of above average precipitation and delayed melt on high elevation snow courses. The area of greatest increase is on the Duchesne and Strawberry Rivers where the forecasts have increased by 40 to 50% compared to average. The Ivins Bench area west of St. George in southwestern Utah, on the other hand, is reporting only one acre in ten with a water supply adequate for irrigation. Forecasts now range from 81% on Salt Creek near Nephi to 481% on 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

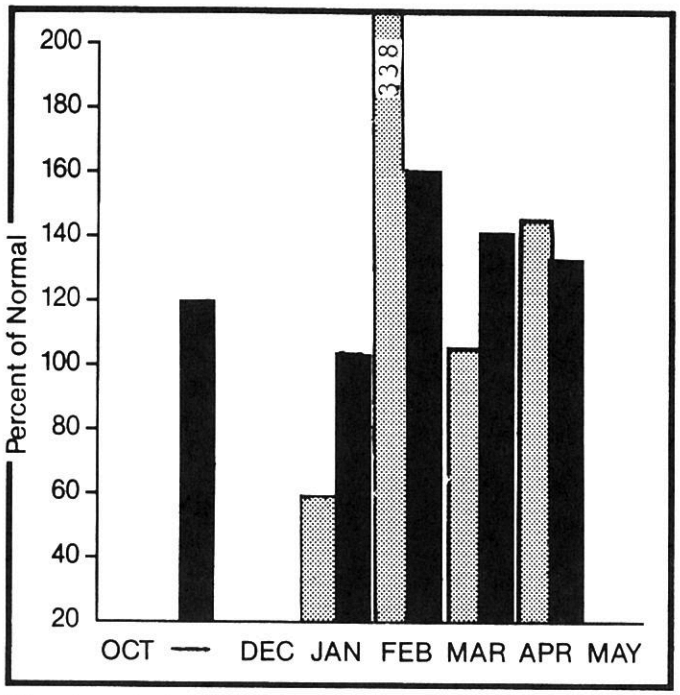
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed, compared to average, increased during April by 14% and now stands at 135% of the May 1 average. Logan River snowpack increased 10% and is now 40% greater than normal for May 1. Precipitation at mountain stations was 45% greater than normal for April bringing water year accumulation to 134% of the October-April average. Reservoir storage is 115% of average. Forecasts have increased from last month and now range from 118% to 204% of average.

For more information contact your local Soil Conservation Service office:

Tremonton Field Office	801-257-5403
Logan Field Office	801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	MAY-JUL	105.0	150.0	142	157	131	2030			
BEAR near Woodruff	MAY-JUL	116.0	162.0	139	169	121				
WOODRUFF CREEK near Woodruff	MAY-JUL	15.1	21.4	141	159	119	333			
BIG CREEK near Randolph	APR-JUL	5.3	9.5	179	226	132	90			
BEAR near Randolph	MAY-JUL	82.0	168.0	204	251	159				
THOMAS FORK near Stateline	APR-SEP	35.0	57.0	162	183	143				
SMITHS FORK near Border	APR-SEP	119.0	166.0	139	160	119				
BEAR RIVER near Harer	APR-SEP	310.0	463.0	149	168	132				
LOGAN RIVER near Logan	MAY-JUL	101.0	145.0	143	157	131	1309			
BLACKSMITH FORK near Hyrum	MAY-JUL	38.0	57.0	150	184	121				
LITTLE BEAR RIVER near Paradise	MAY-JUN	26.0	35.0	134	169	100	649			
CUB RIVER near Preston	MAY-JUL	42.9	51.0	118	154	84				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BEAR LAKE	1421.0	1216.2	1131.4	1054.1
HYRUM	15.3	11.2	11.9	13.2
PORCUPINE	11.3	11.8	11.9	9.5
WOODRUFF NARROWS	55.8	57.7	55.8	---
WOODRUFF CREEK	3.5	4.0	3.5	---

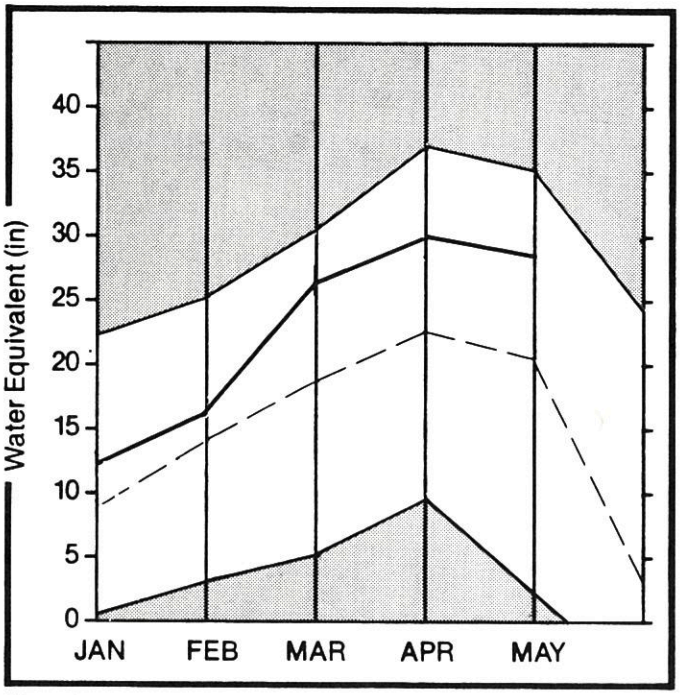
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR RIVER, UPPER IN UTAH	6	203	134
BEAR RIVER, LOWER IN UTAH	10	168	130
BEAR RIVER DRAINAGE IN UT	15	178	134
BEAR RIVER, UPPER (above	12	217	139
BEAR RIVER, LOWER (below	11	193	129
BEAR RIVER DRAINAGE	21	208	135
LOGAN RIVER	5	163	140
RAFT RIVER	0	0	0
BEAR RIVER BASIN	25	200	136

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Weber & Ogden Watersheds

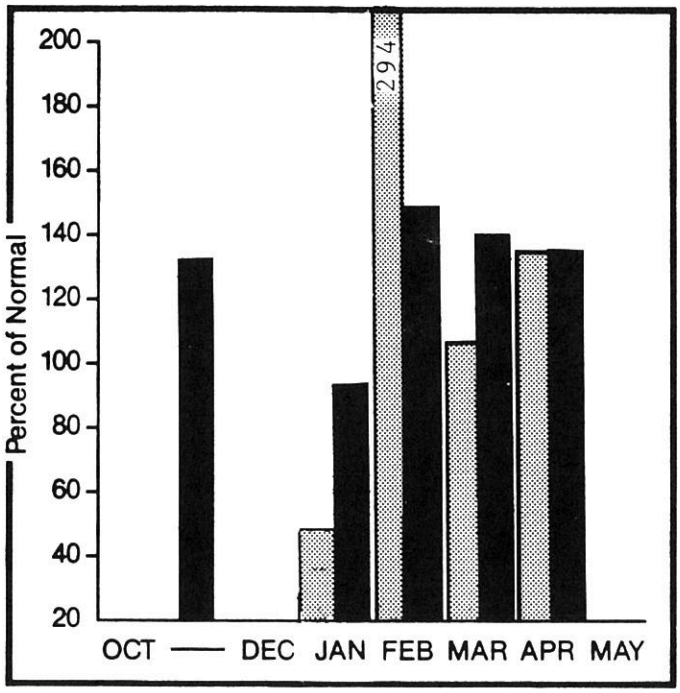
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Weber River snowpack, compared to average, increased 17% during April. Snow measurements taken during the last week of April place Weber River snowpack at 143% and Ogden River snowpack at 134% of average. Mountain precipitation for April was 36% greater than normal which brings the accumulation for the water year to 136% of average. Reservoir storage is being held down in anticipation of high flows. Storage is at 95% of average. Streamflow forecasts now range from 141 to 213% of average for the forecast period.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WEBER RIVER near Oakley	MAY-JUN	93.0	164.0	176	192	161	2511			
ROCKPORT RESERVOIR inflow	MAY-JUN	96.0	184.0	191	216	170				
CHALK CREEK near Coalville	MAY-JUN	29.0	62.0	213	245	190	1005			
WEBER RIVER near Coalville	MAY-JUN	98.0	193.0	196	220	174				
LOST CREEK near Croyden	MAY-JUN	11.2	20.6	183	214	152				
EAST CANYON CREEK near Morgan	MAY-JUN	16.3	23.4	143	184	123				
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	26.0	141	179	103				
SOUTH FORK OGDEN RIVER near Huntsvil	MAY-JUN	41.0	61.5	150	178	127				
PINEVIEW RESERVOIR inflow	MAY-JUN	74.0	122.0	164	185	147				
ECHO RESERVOIR inflow	MAY-JUN	128.0	230.0	179	202	158				
WEBER RIVER at Gateway	APR-JUN	300.0	545.0	181	201	163				
FARMINGTON CREEK near Farmington	MAY-JUL	6.7	10.4	155	194	119				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	xx USEABLE STORAGE xx THIS YEAR	LAST YEAR	AVE.
CAUSEY	6.9	2.9	1.1	2.6
EAST CANYON	48.1	40.2	37.0	41.5
ECHO	73.9	26.9	57.4	54.2
LOST CREEK	20.0	14.2	14.4	14.3
PINEVIEW	110.1	78.6	96.6	76.6
ROCKPORT	60.9	24.1	44.0	36.8
WILLARD BAY	165.5	160.1	155.0	139.7

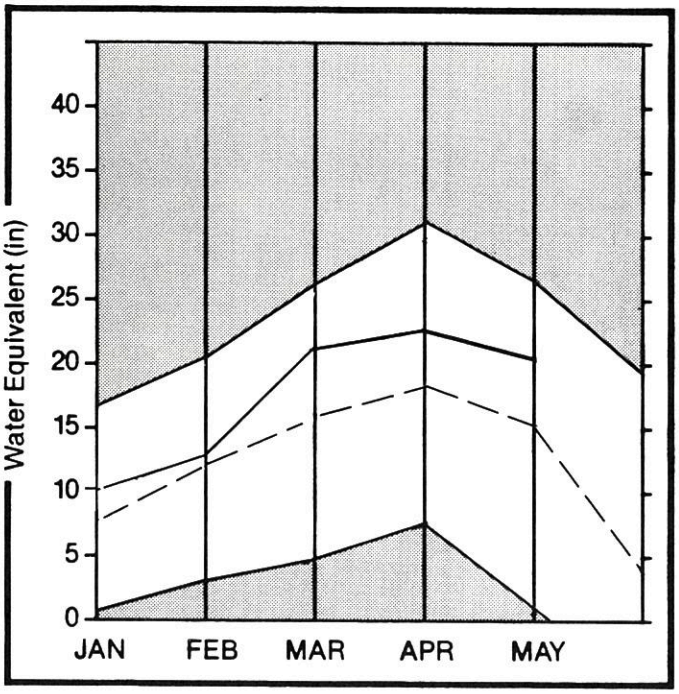
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
OGDEN RIVER	4	172	134
WEBER RIVER	12	170	143
WEBER & OGDEN WATERSHEDS	16	170	141

xCorrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

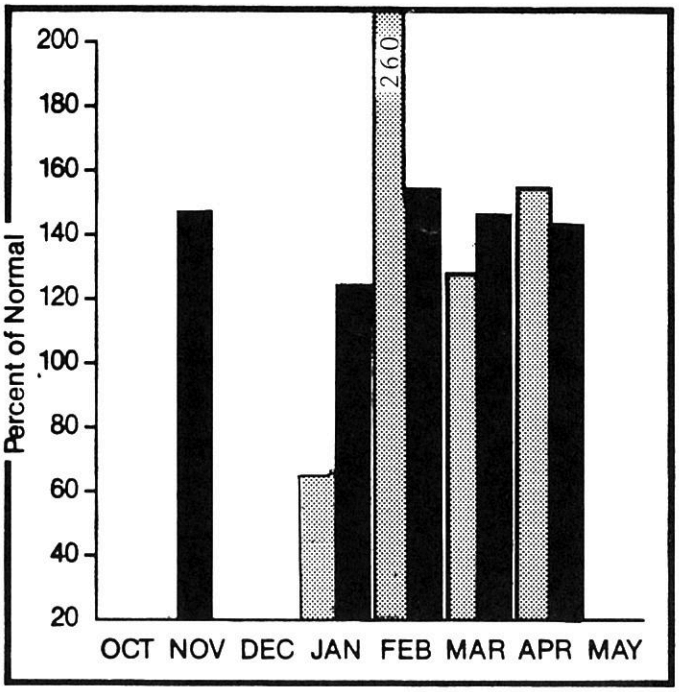
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Provo River snowpack is more than 40% greater than normal for May 1. Snowpack for the entire Utah Lake drainage is 30% greater than average. Trial Lake snow course surpassed the old record water content by 4.4 inches with a reading of 45.9 inches. Tooele Valley snowpack improved to 89% of average. Mountain precipitation was 57% greater than normal in April. Reservoir storage is 154% of average. Streamflow forecasts range from 92% for So. Willow Ck. near Grantsville to 200% for Emigration Ck. near SLC.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	MAY-JUL	94.0	165.0	175	195	159	2900			
PROVO below Deer Creek Dam	MAY-JUL	96.0	175.0	182	206	158				
AMERICAN FORK near American Fk.	MAY-JUL	28.0	50.0	178	193	168	600			
HOBBLE CREEK near Springville	MAY-JUL	13.3	25.0	187						
STRAWBERRY RESERVOIR inflow	APR-JUL	72.0	125.0	173	193	154				
PAYSON CREEK near Payson	MAY-JUL	4.4	7.0	159						
UTAH LAKE inflow	MAY-JUL	166.0	325.0	195	227	165				
LITTLE COTTONWOOD CRK near SLC	MAY-JUL	36.0	49.0	136	144	131				
BIG COTTONWOOD CRK near SLC	MAY-JUL	33.0	49.0	148	158	136				
PARLEY'S CEEK near SLC	MAY-JUL	11.3	16.0	141	168	115				
MILL CREEK near SLC	MAY-JUL	5.0	9.5	190	200	180				
EMIGRATION CREEK near SLC	MAY-JUL	2.5	5.0	200						
CITY CREEK near SLC	MAY-JUL	6.6	10.0	151	167	136				
SETTLEMENT CREEK near Tooele	MAY-JUL	2.1	2.7	128	190	95				
SOUTH WILLOW CREEK near Grantsville	MAY-JUL	2.7	2.5	92	148	37				
VERNON CREEK near Vernon	MAY-JUN	0.5	0.9	160	206	114				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	97.4	143.1	106.9
GRANTSVILLE	3.3	3.3	---	---
SETTLEMENT CREEK	1.0	0.9	0.7	0.7
STRAWBERRY-ENLARGED	951.4	421.6	324.4	---
UTAH LAKE	883.9	1248.6	1224.2	766.8
VERNON CREEK	0.6	0.6	0.6	0.6

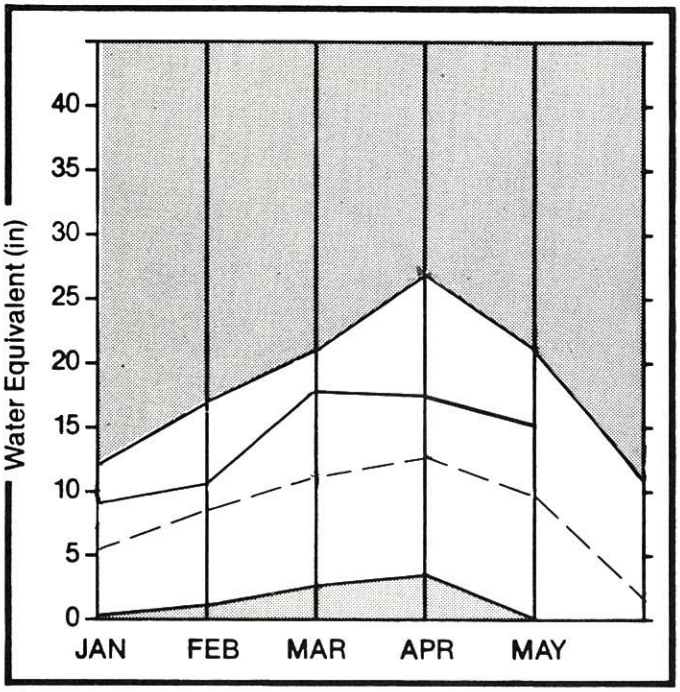
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	9	203	130
PROVO RIVER	4	232	144
JORDAN RIVER & GREAT SALT	5	177	121
TOOELE VALLEY WATERSHEDS	4	153	89
UTAH LAKE, JORDAN RIVER &	18	181	115

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Uintah Basin & Dagget SCD's

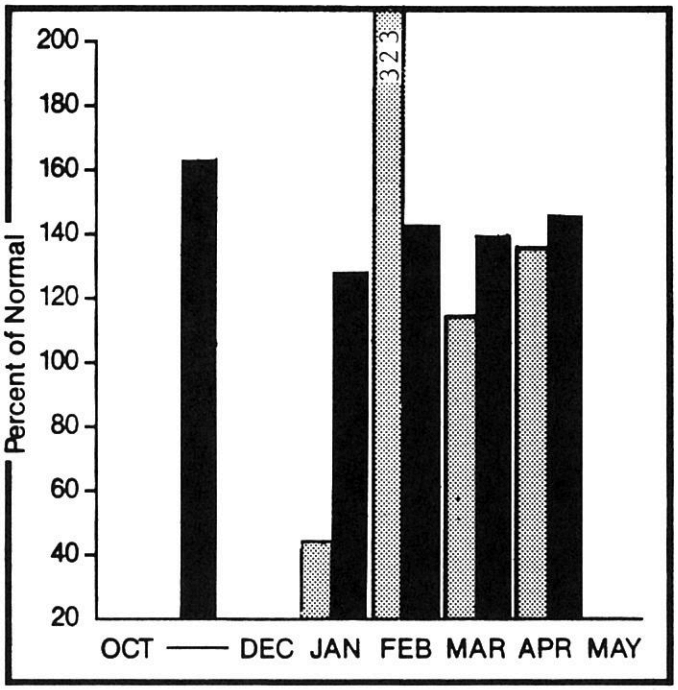
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Uintas is about 40% greater than normal compared to the May 1 average. New record water content exists on some south slope sites above 10,000 feet in elevation. Mountain precipitation during April was 37% greater than average bringing the total for the water year to 146% of average. Reservoir storage is 130% of average. Streamflow forecasts have increased from levels projected last month by 12 to 94% and now range from 138% on Black's Fork near Millburne to 279% for the Duchesne near Myton.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	MAY-JUL	96.0	175.0	182	195	170				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	338.0	178	193	166				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	120.0	206	221	193	1050			
ROCK CREEK near Mountain Home	MAY-JUL	88.0	155.0	176	191	164	2500			
CURRANT CREEK near Fruitland	MAY-JUL	16.6	30.0	180	199	169				
LAKEFORK RIVER near Mountain Home	MAY-JUL	67.0	104.0	155	172	140				
YELLOWSTONE RIVER near Altonah	MAY-JUL	61.0	95.0	155	182	130				
DUCHESNE near Myton	MAY-JUL	186.0	520.0	279	305	249				
WHITE ROCKS RIVER near Whiterocks	MAY-JUL	56.0	86.0	153	182	125				
UINTAH RIVER near Neola	MAY-JUL	81.0	132.0	162	201	125				
DUCHESNE near Randlett	APR-JUL	257.0	675.0	262	330	196				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	48.0	184	200	169				
HENRY'S FORK near Manila	APR-SEP	48.0	72.0	150	179	127				
BLACK'S FORK near Millburne	APR-JUL	90.0	125.0	138	164	117				
FLAMING GORGE RESERVOIR inflow	MAY-JUL	1080.0	2050.0	189	208	174				
ASHLEY CREEK near Vernal	MAY-JUL	49.0	72.0	146	165	131	1570			

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	2939.0	3108.7	---
MOON LAKE	35.8	25.4	30.8	18.1
RED FLEET	26.0	19.7	23.9	---
STEINAKER	33.3	29.1	30.6	23.0
STARVATION	165.3	146.6	154.4	113.5
STRAWBERRY-ENLARGED	951.4	421.6	324.4	---

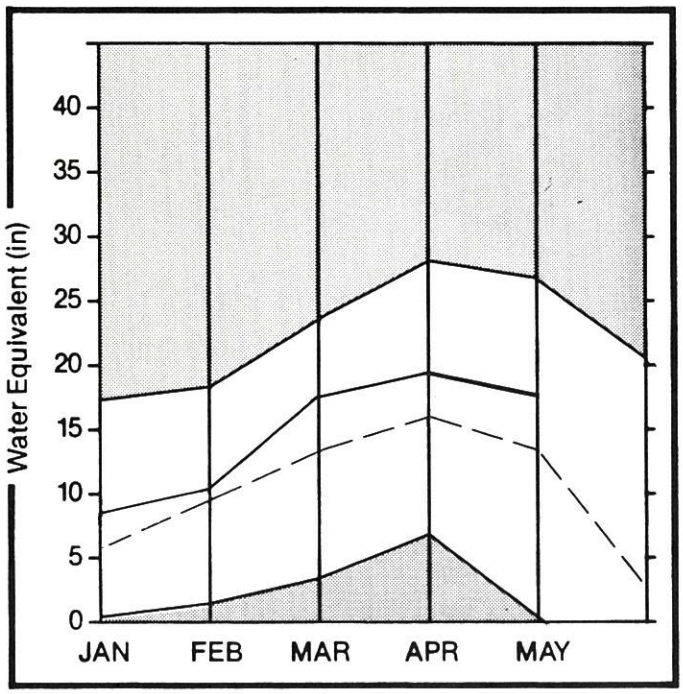
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	8	178	116
ASHLEY CREEK	2	262	114
BLACK'S FORK RIVER	3	165	120
SHEEP CREEK	2	170	119
DUCHESNE RIVER	10	206	162
LAKE FORK-YELLOWSTONE CRE	3	186	167
STRAWBERRY RIVER	4	220	156
UINTAH-WHITEROCKS RIVERS	2	209	164
UINTAH BASIN & DAGGET SCD	19	189	143

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

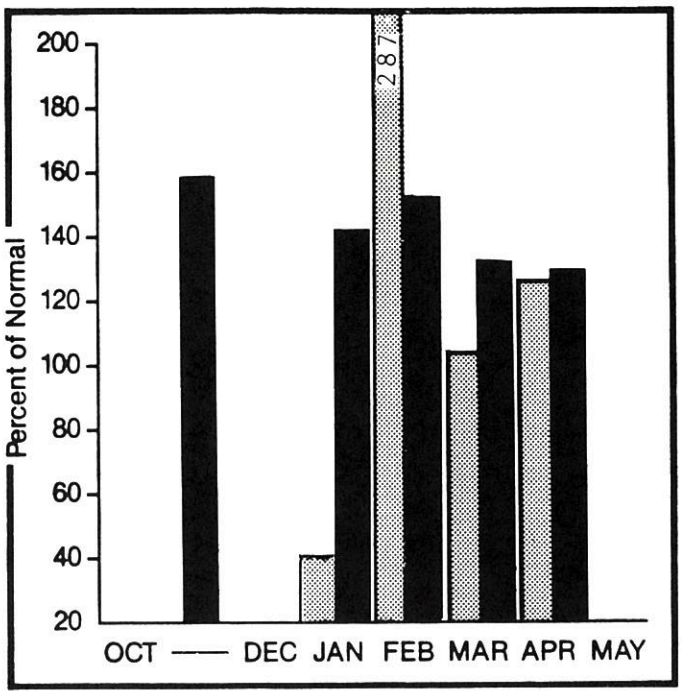
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Southeastern Utah watersheds have snowpacks ranging from 19% of the May 1 average on the Blue Mountains to 130% on the Price River. Mountain precipitation during April was quite generous with most stations reporting greater than normal rainfall. Accumulation for the water year is now 132% of normal over southeastern Utah. Reservoir storage is 115% of average. Forecasts generally increased as a percent of average from levels forecast last month with the Colorado, Green and San Juan showing the most increase.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	MAY-JUL	10.0	13.0	130	150	110				
SCOFIELD RESERVOIR inflow	MAY-JUL	33.0	54.0	163	182	152				
PRICE near Heiner	MAY-JUL	56.0	100.0	178						
HUNTINGTON CREEK near Huntington	MAY-JUL	43.0	67.0	155	172	142	900			
COTTONWOOD CREEK near Orangeville	MAY-JUL	43.0	60.0	139	170	109				
FERRON CREEK near Ferron	MAY-JUL	34.0	49.0	144	165	124	720			
MUDDY CREEK near Emery	APR-JUL	18.5	25.0	135	157	114	280			
COLORADO near Cisco, UT	MAY-JUL	2638.0	5000.0	189	214	169				
GREEN near Green Rv., UT	MAY-JUL	2594.0	5000.0	192	212	174				
MILL CREEK near Moab	MAY-JUL	4.7	4.3	91	106	64				
NAVAJO RESERVOIR inflow	MAY-JUL	540.0	1000.0	185	213	161				
SAN JUAN near Bluff, UT	MAY-JUL	793.0	1350.0	170	201	145				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	123	77				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	3.7	3.0	3.9
JOE'S VALLEY	54.6	48.1	48.1	46.8
KEN'S LAKE	2.3	1.6	2.3	---
MILL SITE	16.7	9.9	16.7	6.3
SCOFIELD	65.8	45.7	56.4	38.6
		[illegible]	[illegible]	[illegible]

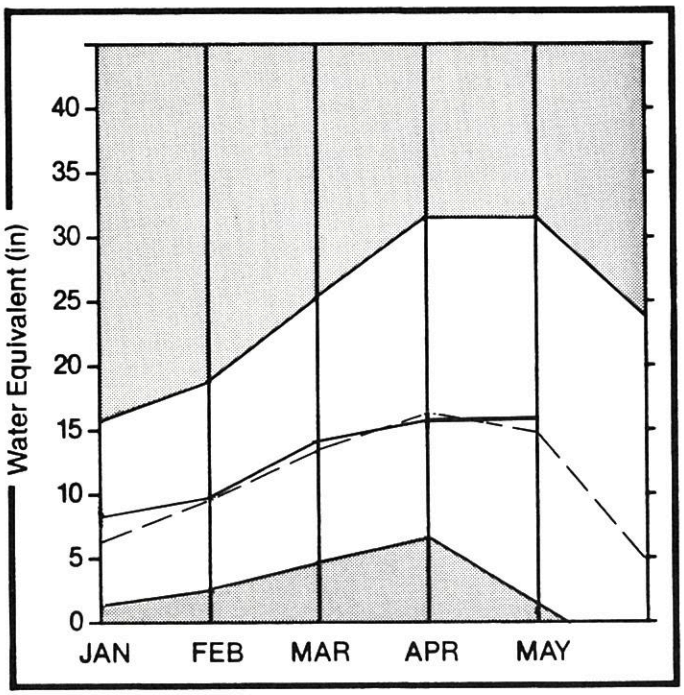
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	3	192	130
SAN RAFAEL RIVER	7	154	120
MUDDY RIVER	2	201	78
FREMONT RIVER	3	116	65
LASAL MOUNTAINS	2	145	89
BLUE MOUNTAINS	2	21	19
CARBON, EMERY, WAYNE, GRA	20	135	97

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

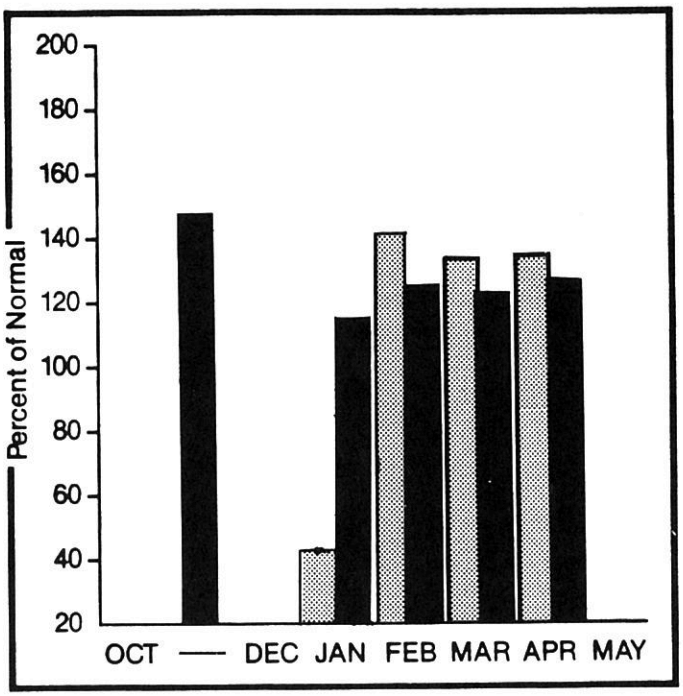
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River has improved since last month and now ranges from 83% of the May 1 average on the Upper Sevier to 113% on the Lower Sevier. The Beaver River snowpack increased to 165% of average. Precipitation at mountain stations in April was 134% of average bringing total water year accumulation to 128% of average. Reservoir storage is 95% of capacity and 153% of average. Streamflow forecasts generally increased from last month and now range from near average to almost five times average.

For more information contact your local Soil Conservation Service office:

Richfield Field Office 801-896-6261

Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	MAY-JUL	42.0	50.0	119	148	98	600			
SEVIER near Circleville	MAY-JUL	30.0	45.0	150						
SEVIER near Kingston	MAY-JUL	22.0	25.0	113	177	59	450			
ANTIMONY CREEK near Antimony	MAY-JUL	5.7	8.5	149						
E F SEVIER near Kingston	MAY-JUL	12.5	20.0	160	224	120				
SEVIER blw Piute Dam	MAY-JUL	33.0	38.0	115	182	55				
CLEAR CREEK near Sevier	MAY-JUL	16.2	22.0	135			325			
SIGURD to GUNNISON	MAY-JUL	16.6	80.0	481	578	392				
KINGSTON to VERMILLION DAM	MAY-JUL	28.0	55.0	196	196	196				
VERMILLION DAM to GUNNISON	MAY-JUL	19.0	65.0	342	342	342				
SALINA CREEK at Salina	MAY-JUN	10.8	20.0	185			700			
SEVIER nr Gunnison	MAY-JUL	41.0	115.0	280						
CHALK CREEK near Fillmore	MAY-JUL	13.2	13.3	100	121	83				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.2	120	143	86				
OAK CREEK near Oak City	MAY-JUL	1.1	1.4	127	182	91				
EPHRAIM CREEK near Ephraim	MAY-JUL	8.3	12.0	144						
PLEASANT CREEK near Pleasant	MAY-JUL	7.9	12.0	151						
SALT CREEK near Nephi	MAY-JUL	10.8	8.8	81	139	28				
BEAVER RIVER near Beaver	MAY-JUL	21.0	40.0	190	224	157	450			
NORTH CREEK near Beaver (combined N	MAY-JUL	12.7	20.6	162	220	102				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	20.0	224	258	191				

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	18.2	18.2	14.9
MINERSVILLE (RkyFd)	26.0	23.1	26.0	14.6
OTTER CREEK	52.5	52.5	52.7	39.5
PIUTE	71.8	65.1	71.8	44.7
SEVIER BRIDGE	236.0	223.4	225.4	136.0
PANQUITCH LAKE	22.3	21.5	22.3	---

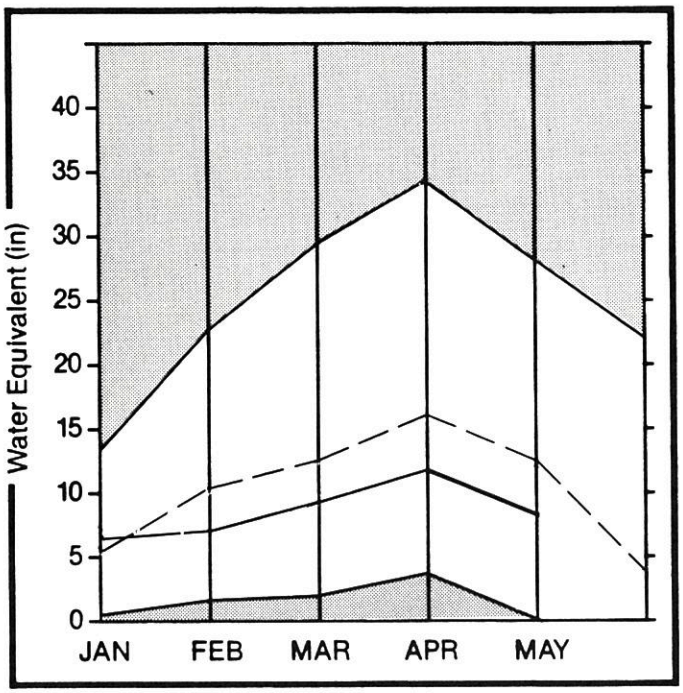
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	11	95	83
EAST FORK SEVIER RIVER	4	82	73
SOUTH FORK SEVIER RIVER	7	101	88
LOWER SEVIER RIVER (inclu	12	139	113
BEAVER RIVER	3	143	163
SEVIER & BEAVER RIVER BAS	26	127	111

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

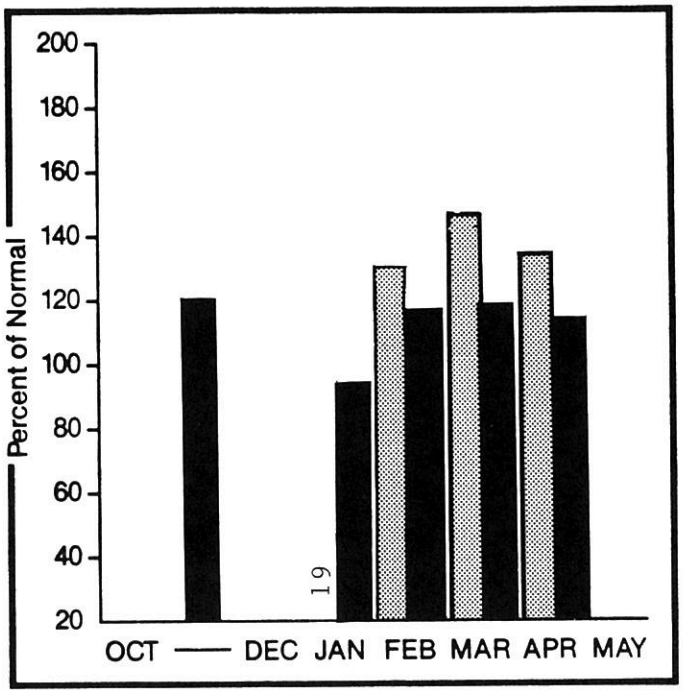
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack in southwestern Utah improved in April for Parowan and Coal Creek drainages but the situation worsened slightly on the Virgin. Enterprise to New Harmony snow courses were bare and snowpack on the Escalante fell sharply. Mountain precipitation was greater than normal for the third consecutive month which has helped the streamflow and reservoir situation, but with reservoirs in the area at only about 60% of capacity, water shortages already exist and are expected to worsen as the season progresses.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	MAY-JUN	40.0	40.0	100	150	53	600			
SANTA CLARA near Pine Valley	MAY-JUN	4.1	4.2	102						
COAL CREEK near Cedar City	MAY-JUL	15.4	20.0	129	162	110	400			
LAKE POWELL inflow	MAY-JUL	6475.0	12600.0	194	218	174				

RESERVOIR STORAGE (1000AF)

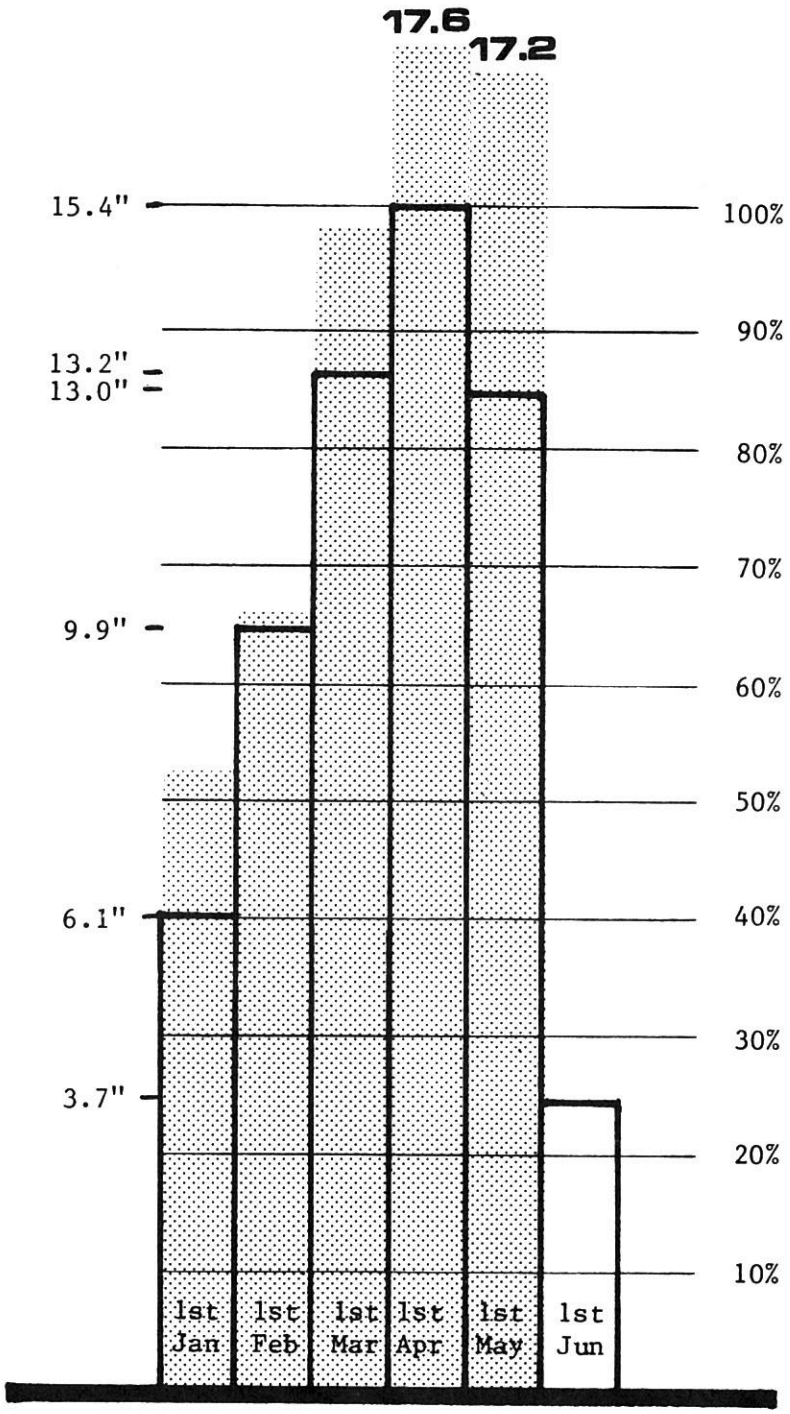
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNLOCK	10.4	9.3	---	---
LAKE POWELL	25002.0	22220.0	22599.0	---
QUAIL CREEK	40.0	24.0	---	---
UPPER ENTERPRISE	10.0	5.0	---	---
LOWER ENTERPRISE	2.6	1.3	---	---

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
VIRGIN RIVER	5	106	76
PAROWAN	4	114	75
ENTERPRISE TO NEW HARMONY	2	0	0
COAL CREEK	3	112	82
ESCALANTE RIVER	1	55	65
E. GARFIELD, KANE, WASHIN	12	109	72

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

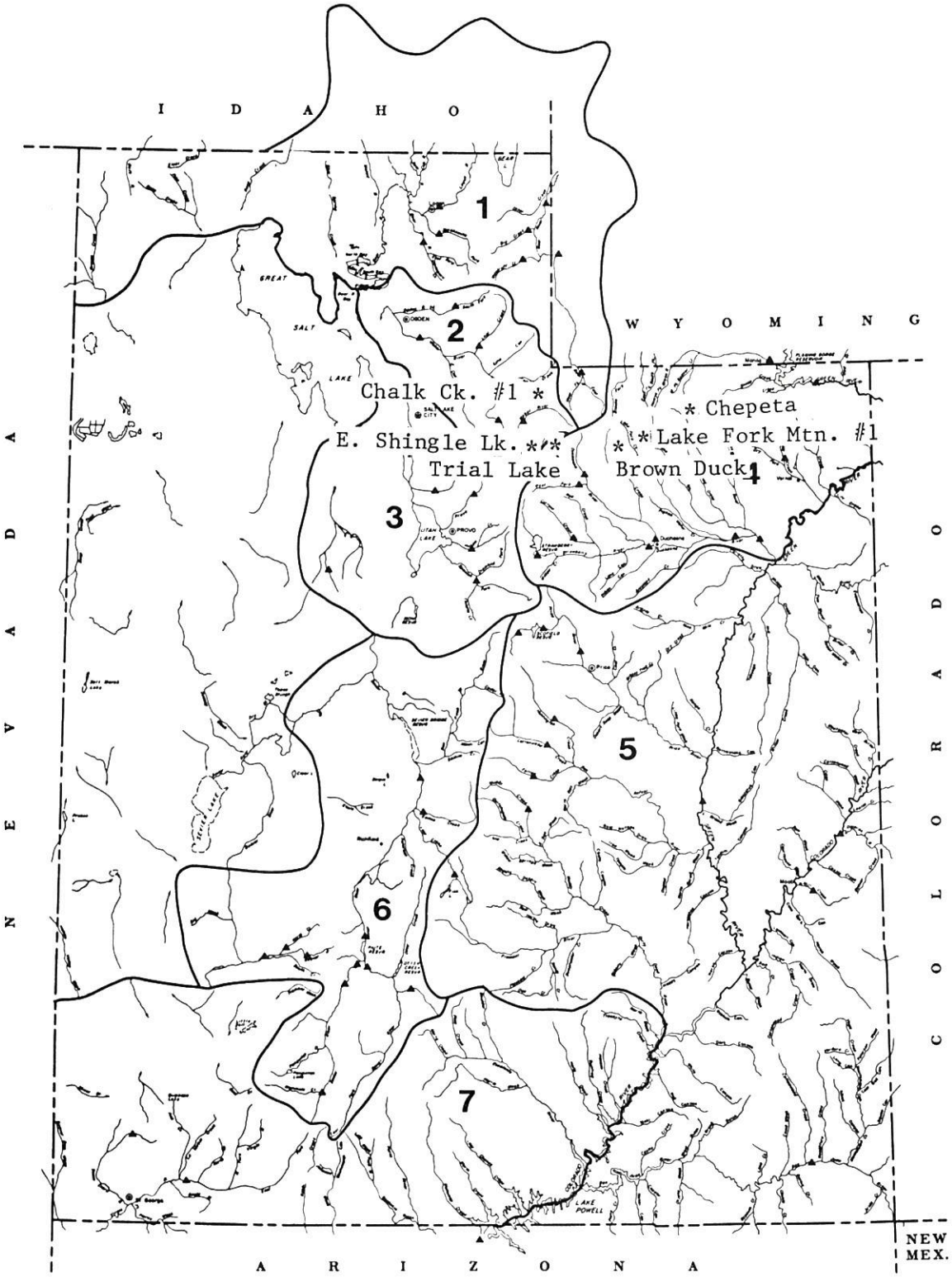
Utah Snowpack Progress



Statewide

Average monthly snow water equivalent for the current water year is compared to 1961-80, 20 year average monthly snow water equivalent. Peak average snow water equivalent achieved on April 1 equals 100%.

*=NEW RECORD MAY 1 SNOW WATER EQUIVALENT



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United States
Department of
Agriculture

**Soil
Conservation
Service**

Salt Lake City,
Utah

Utah
Water Supply Outlook

June 1, 1986

Utah
Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

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Washington, D. C.

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Soil Conservation Service
Salt Lake City, Utah

In cooperation with

Utah State Department of Natural Resources

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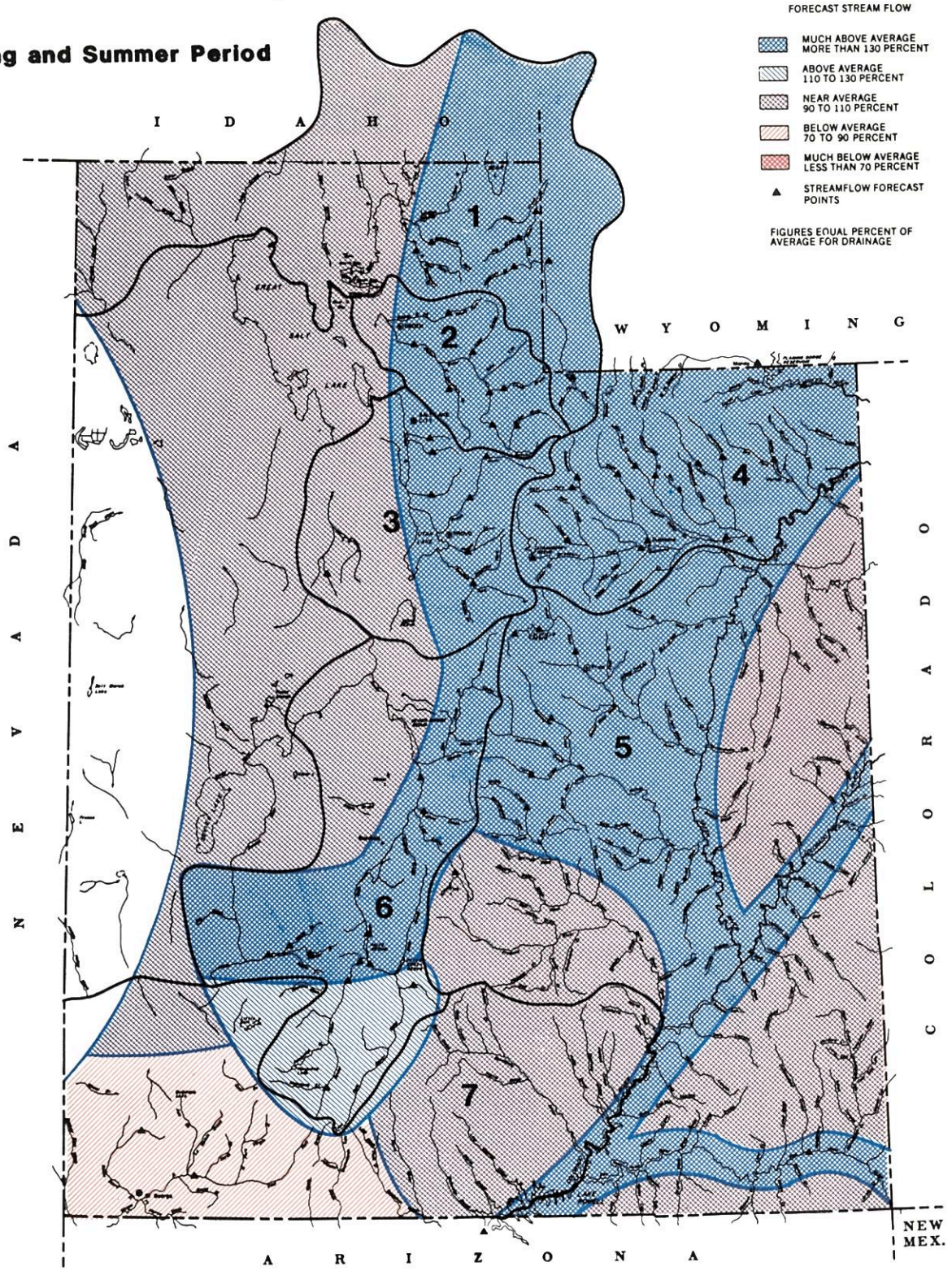
Streamflow Prospects for Utah

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:

Early May storms contributed more to the already heavy snowpacks on northern Utah watersheds and were responsible for bringing the Great Salt Lake to its historical peak of 4211.6 feet by mid-month. By month's end the Lake had set a new record elevation of 4211.8 feet with the new peak forecast set at 4212.0 feet. In contrast, sharp withdrawals of stored water in southwestern Utah reservoirs and extremely low streamflows are going to mean a shortened growing season.

SNOWPACK:

Snowpack across Utah varies from much above average in the north to almost melted in the south. The Bear, Weber and Provo River watersheds have from 50 to 70% more water in their snowpack than is normal for June 1. The Uintas have about 25% more snow water than normal. Southern Utah is quite a different story. Only a handful of snow courses at the highest elevations on the Lower Sevier and San Rafael River watersheds still have snow. The Beaver River watershed is still the exception in southern Utah with 160% normal snowpack for June 1.

PRECIPITATION:

Mountain precipitation varied widely across Utah. The Bear and Weber River watersheds had another month of above normal precipitation (the fifth and fourth month respectively). Mountain areas on the Lower Sevier and in extreme southern and southeastern Utah also had above normal precipitation. The central Uinta Mountain area received near normal precipitation. Mountain areas in the remainder of Utah had below normal rainfall in May. Seasonal precipitation accumulation (October-May) is greater than normal over the mountain areas of the entire state.

RESERVOIRS:

Storage of usable water in 23 key irrigation reservoirs in Utah is 93% of capacity and 120% of average for June 1. Deer Creek, Rockport and Echo reservoir have been held down in anticipation of high snowmelt runoff and are filling rapidly. Reservoirs in Washington County are being depleted rapidly and shortages are likley by August.

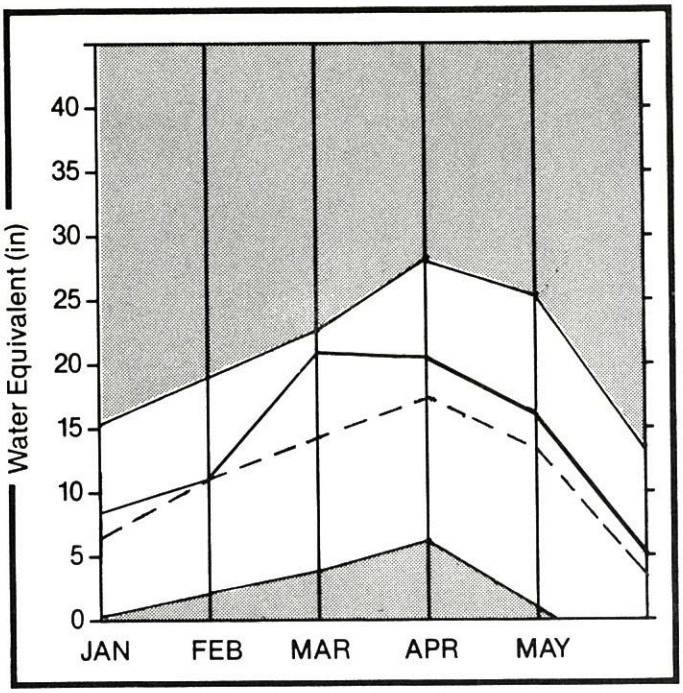
STREAMFLOW:

Forecasts on some of the streams that feed into the Great Salt Lake have increased from the levels forecast on May 1 due to heavy early May precipitation. Forecasts over the rest of the state are generally unchanged from last month. Forecasts range from 81% to 481% of normal across the state. High water is being experienced on the Weber and Provo with some localized flooding being reported and available storage in reservoirs being filled rapidly.

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

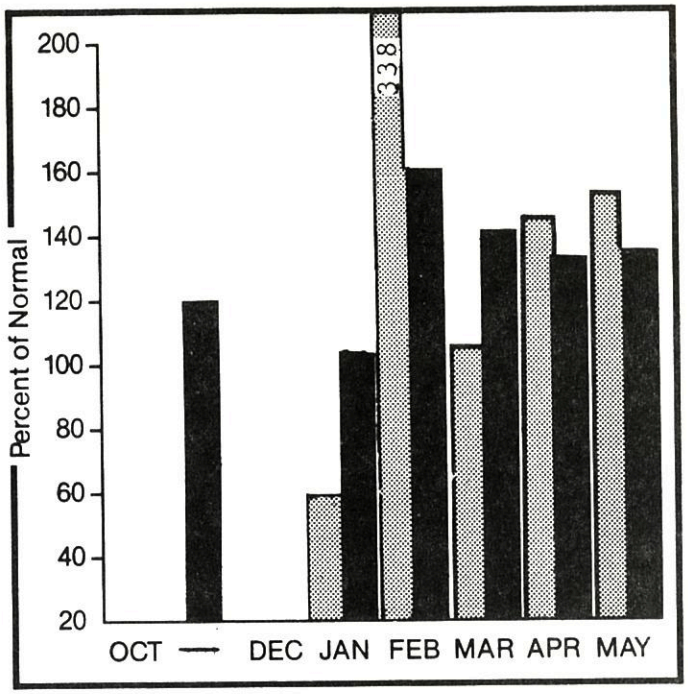
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River drainage is approximately one and one-half times normal for June 1. Logan River snowpack is also more than 50% greater than average. May precipitation at mountain stations was 153% of average (the fifth consecutive month of above normal precipitation). Reservoir storage is 95% of capacity and 119% of average. Streamflow forecasts are unchanged from last month ranging from 118% to 204% of average.

For more information contact your local Soil Conservation Service office:

Tremonton Field Office 801-257-5403

Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	MAY-JUL	105.0	150.0	143			2038			
BEAR near Woodruff	MAY-JUL	116.0	162.0	140						
WOODRUFF CREEK near Woodruff	MAY-JUL	15.1	21.3	142			333			
BIG CREEK near Randolph	APR-JUL	5.3	9.5	179			90			
BEAR near Randolph	MAY-JUL	82.0	168.0	205						
THOMAS FORK near Stateline	APR-SEP	35.0	57.0	163	183	143				
SMITHS FORK near Border	APR-SEP	119.0	166.0	139	160	119				
BEAR RIVER near Harer	APR-SEP	310.0	463.0	149						
LOGAN RIVER near Logan	MAY-JUL	101.0	145.0	144			1309			
BLACKSMITH FORK near Hyrum	MAY-JUL	38.0	57.0	150						
LITTLE BEAR RIVER near Paradise	MAY-JUN	26.0	35.0	135			649			
CUB RIVER near Preston	MAY-JUL	42.9	51.0	119						

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BEAR LAKE	1421.0	1348.0	1263.0	1130.7
HYRUM	15.3	12.7	15.5	14.7
PORCUPINE	11.3	11.4	11.3	10.9
WOODRUFF NARROWS	55.8	59.4	59.1	---
WOODRUFF CREEK	3.5	4.0	3.5	---

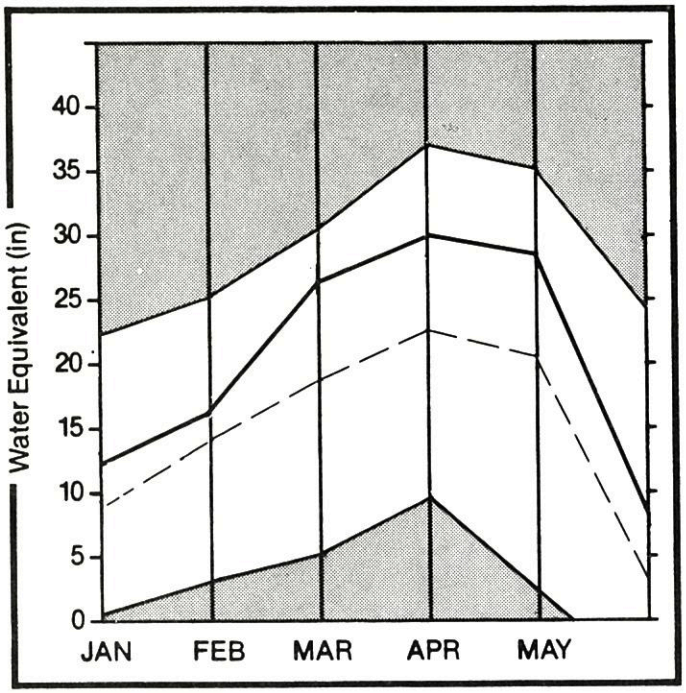
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR RIVER, UPPER IN UTAH	4	586	143
BEAR RIVER, LOWER IN UTAH	6	108	158
BEAR RIVER DRAINAGE IN UT	10	1134	151
BEAR RIVER, UPPER (above	4	586	145
BEAR RIVER, LOWER (below	5	108	161
BEAR RIVER DRAINAGE	8	943	151
LOGAN RIVER	4	60	157
RAFT RIVER	0	0	0
BEAR RIVER BASIN	11	1207	154

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Weber & Ogden Watersheds

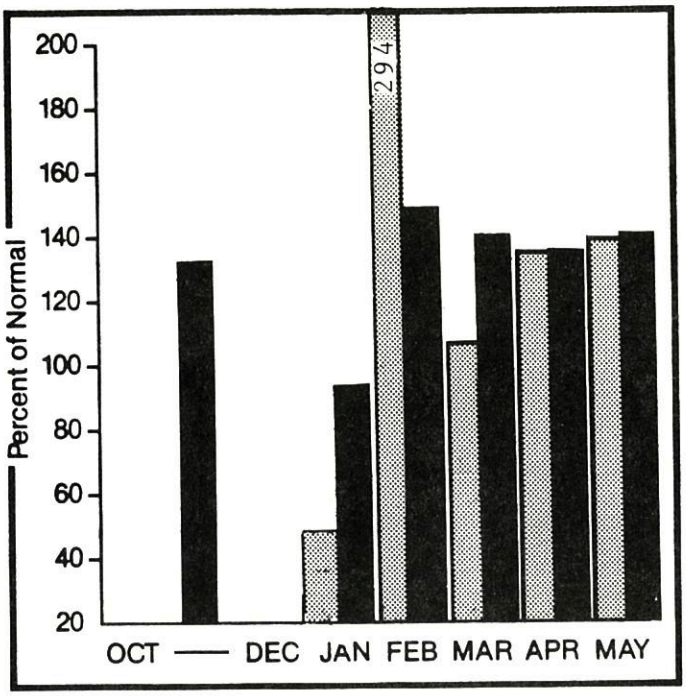
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River drainage is nearly 70% above average for June 1. Ogden River snowpack is 56% greater than normal. Mountain precipitation for the fourth consecutive month was greater than normal with May precipitation at 140% of average. Reservoirs are storing 90% of capacity and 100% of average for the first of June. Forecasts of May through June streamflow are higher than the May 1 forecasts due to the heavy early May precipitation. Forecasts range from 161 to 248% 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	30 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WEBER RIVER near Oakley	MAY-JUN	93.0	170.0	183			2511			
ROCKPORT RESERVOIR inflow	MAY-JUN	96.0	217.0	226						
CHALK CREEK near Coalville	MAY-JUN	29.0	62.0	214			1005			
WEBER RIVER near Coalville	MAY-JUN	98.0	202.0	206						
LOST CREEK near Croydon	MAY-JUN	11.2	22.8	204						
EAST CANYON CREEK near Morgan	MAY-JUN	16.3	27.0	166						
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	30.0	163						
SOUTH FORK OGDEN RIVER near Huntsvil	MAY-JUN	41.0	68.0	166						
PINEVIEW RESERVOIR inflow	MAY-JUN	74.0	136.0	184						
ECHO RESERVOIR inflow	MAY-JUN	128.0	240.0	188						
WEBER RIVER at Gateway	APR-JUN	300.0	575.0	192						
FARMINGTON CREEK near Farmington	MAY-JUL	6.7	12.8	191						

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CAUSEY	6.9	6.5	7.0	6.3
EAST CANYON	48.1	46.2	48.7	46.8
ECHO	73.9	56.1	73.8	65.6
LOST CREEK	30.0	19.2	20.4	19.1
PINEVIEW	110.1	103.4	110.2	99.2
ROCKPORT	60.9	40.9	62.4	47.2
WILLARD BAY	165.5	163.9	165.5	152.7

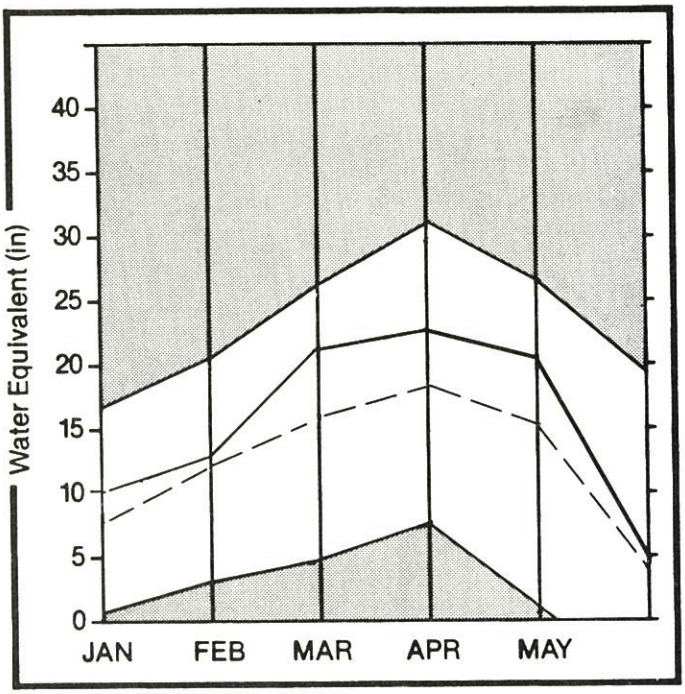
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
OGDEN RIVER	4	0	156
WEBER RIVER	9	752	169
WEBER & OGDEN WATERSHEDS	13	1112	164

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

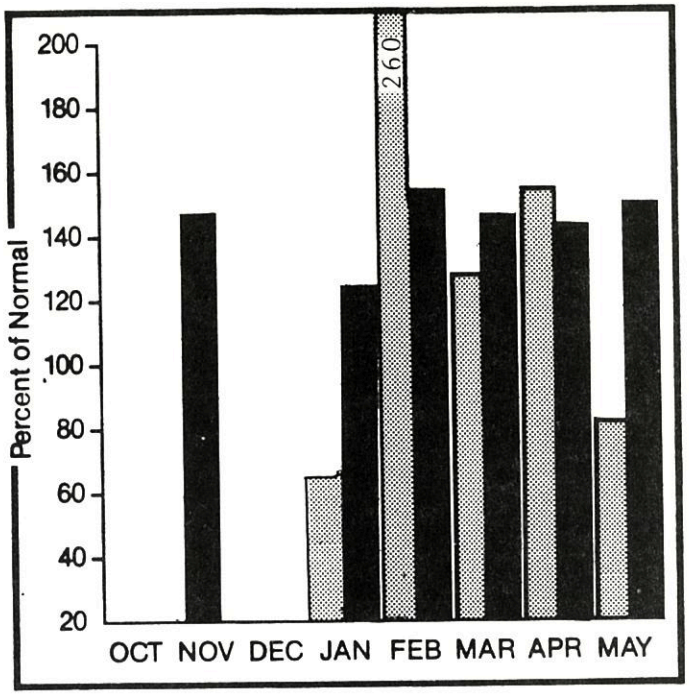
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the watershed which drains into Utah Lake is nearly 50% greater than average. Provo River snowpack contains almost 60% more water than is normal for the first of June. Precipitation at mountain stations was generally below average during May with the exception of Trial Lake which received 121% of average. Reservoir storage is 79% of capacity and 87% of average with Deer Creek being held down. Heavy early May precipitation increased some forecasts. Forecasts range from 92 to 241%.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	MAY-JUL	94.0	190.0	202						
PROVO below Deer Creek Dam	MAY-JUL	96.0	187.0	195						
AMERICAN FORK near American Fk.	MAY-JUL	28.0	58.0	207						
HOBBLE CREEK near Springville	MAY-JUL	13.3	25.0	188						
STRAWBERRY RESERVOIR inflow	APR-JUL	72.0	130.0	181						
PAYSON CREEK near Payson	MAY-JUL	4.4	7.0	159						
UTAH LAKE inflow	MAY-JUL	166.0	400.0	241						
LITTLE COTTONWOOD CRK near SLC	MAY-JUL	36.0	49.0	136						
BIG COTTONWOOD CRK near SLC	MAY-JUL	33.0	49.0	148						
PARLEY'S CEEK near SLC	MAY-JUL	11.3	19.0	168						
MILL CREEK near SLC	MAY-JUL	5.0	9.5	190						
EMIGRATION CREEK near SLC	MAY-JUL	2.5	6.0	240						
CITY CREEK near SLC	MAY-JUL	6.6	10.0	152						
SETTLEMENT CREEK near Tooele	MAY-JUL	2.1	2.7	129						
SOUTH WILLOW CREEK near Grantsville	MAY-JUL	2.7	2.5	93						
VERNON CREEK near Vernon	MAY-JUN	535.0	856.0	160						

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
DEER CREEK	149.7	117.5	151.0	135.9
GRANTSVILLE	3.3	3.3	---	---
SETTLEMENT CREEK	1.0	1.0	1.0	0.8
STRAWBERRY-ENLARGED	951.4	509.0	376.8	---
UTAH LAKE	883.9	1279.0	1236.7	---
VERNON CREEK	0.6	0.6	0.6	0.5

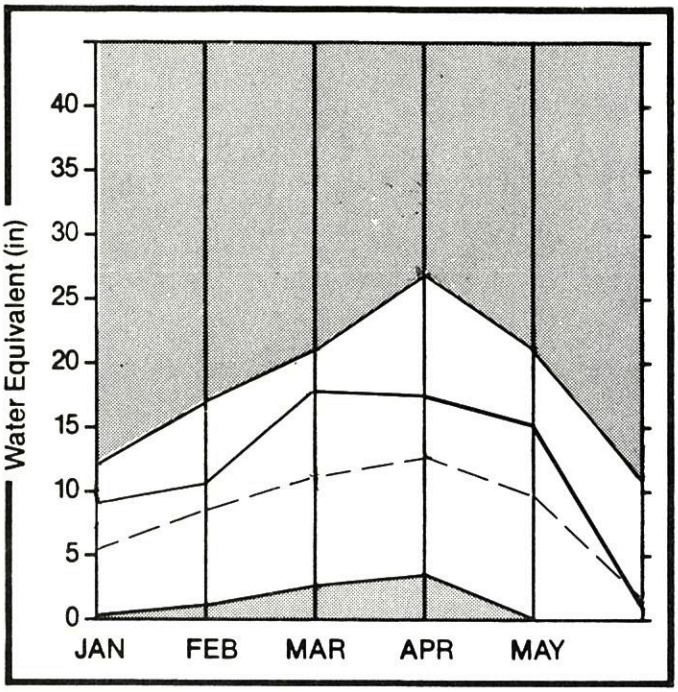
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PROVO RIVER & UTAH LAKE	6	463	148
PROVO RIVER	3	420	158
JORDAN RIVER & GREAT SALT	5	370	189
TOOELE VALLEY WATERSHEDS	0	0	0
UTAH LAKE, JORDAN RIVER &	11	923	167

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Uintah Basin & Dagget SCD's

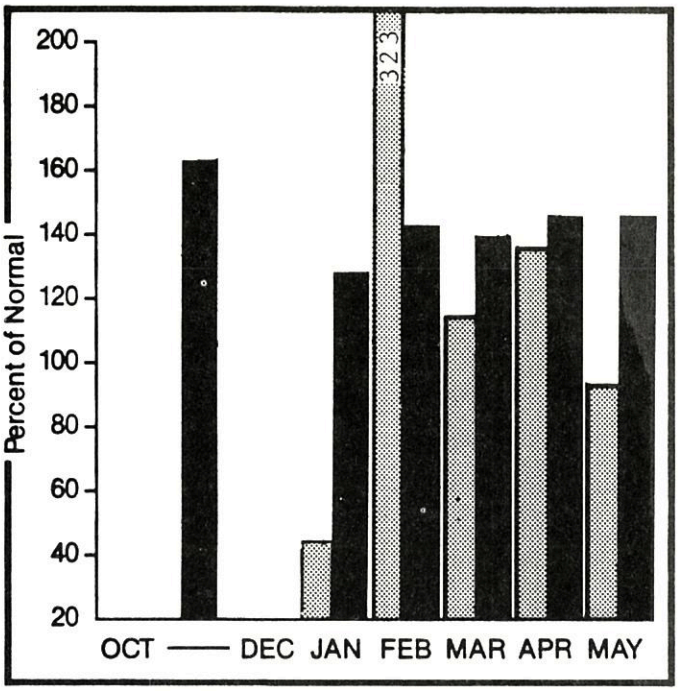
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack over the Uintas is 18% greater than normal on the tributaries to the Green River on the north slope and east end of the south slope and 26% above average on the Duchesne and its tributaries. Mountain precipitation was varied ranging from much above average on the west end to much below average on the east end. Reservoirs are 96% of capacity and 122% of average storage for June 1. Streamflow forecasts are unchanged from the levels forecast a month ago and range from 138 to 279% 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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	MAY-JUL	96.0	183.0	191						
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	344.0	182						
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	144.0	248			1050			
ROCK CREEK near Mountain Home	MAY-JUL	88.0	163.0	185						
CURRANT CREEK near Fruitland	MAY-JUL	16.6	30.0	181						
LAKEFORK RIVER near Mountain Home	MAY-JUL	67.0	104.0	155						
YELLOWSTONE RIVER near Altonah	MAY-JUL	61.0	95.0	156						
DUCHESNE near Myton	MAY-JUL	186.0	598.0	322						
WHITE ROCKS RIVER near Whiterocks	MAY-JUL	56.0	91.0	163						
UINTAH RIVER near Neola	MAY-JUL	81.0	135.0	167						
DUCHESNE near Randlett	APR-JUL	257.0	709.0	276						
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	49.0	188						
HENRY'S FORK near Manila	APR-SEP	48.0	74.0	154						
BLACK'S FORK near Millburne	APR-JUL	90.0	133.0	148						
FLAMING GORGE RESERVOIR inflow	MAY-JUL	1080.0	2050.0	190						
ASHLEY CREEK near Vernal	MAY-JUL	49.0	72.0	147			1450			

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
FLAMING GORGE	3749.0	2924.0	3356.0	---
MOON LAKE	35.8	35.8	34.1	18.0
RED FLEET	26.0	23.9	25.6	---
STEINAKER	33.3	33.0	33.3	26.9
STARVATION	165.3	157.0	168.5	128.9
STRAWBERRY-ENLARGED	951.4	509.0	378.8	---

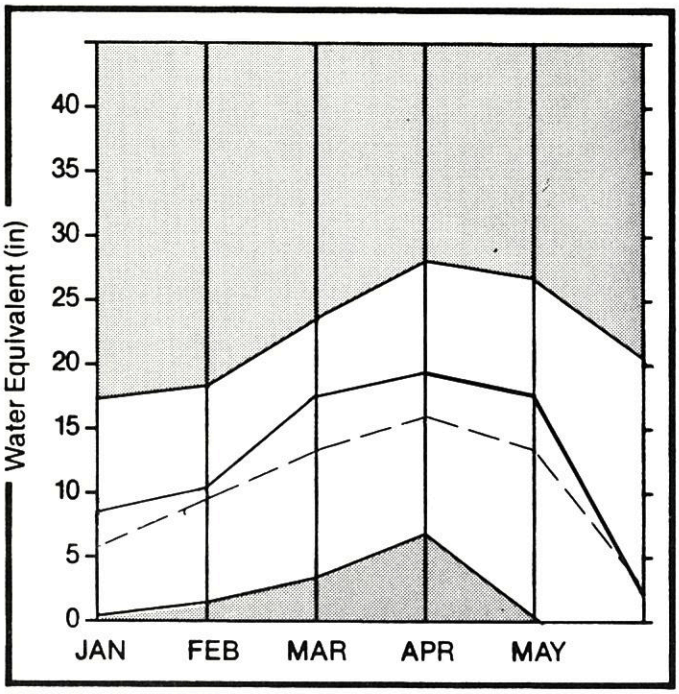
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GREEN RIVER in UTAH	8	481	118
ASHLEY CREEK	2	0	0
BLACK'S FORK RIVER	3	312	136
SHEEP CREEK	2	0	157
DUCHESNE RIVER	10	348	126
LAKE FORK YELLOWSTONE CRE	2	234	138
STRAWBERRY RIVER	4	0	0
UINTAH WHITEROCKS RIVERS	1	0	63
UINTAH BASIN & DAGGET SCD	19	322	176

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

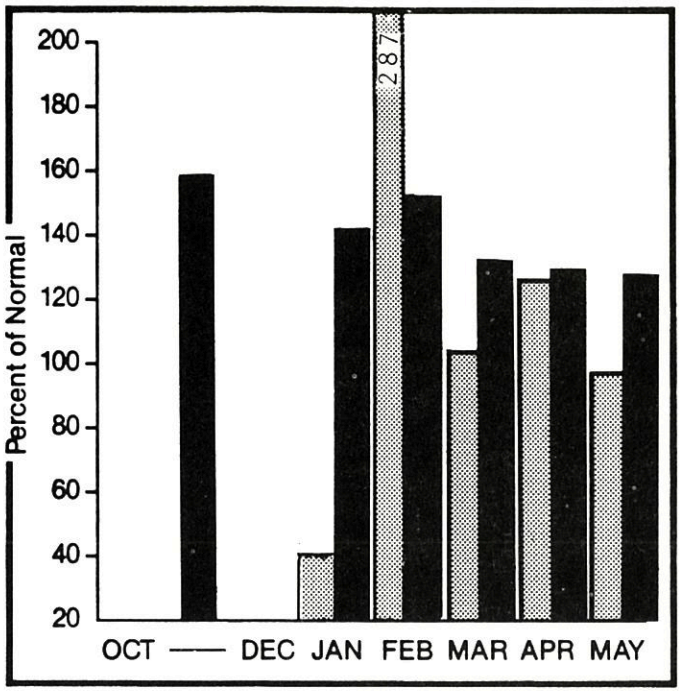
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on the snow courses of southeastern Utah has been nearly depleted by melt with the exception of a few of the highest sites on the tributaries to the San Rafael. Near normal precipitation was the rule during May with mountain stations average 98% of normal for the month. Reservoir storage is 96% of capacity and 107% of average. Streamflow forecasts are the same as forecast a month ago. Forecasts range from 91 to 192% 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

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	MAY-JUL	10.0	12.0	120						
SCOFIELD RESERVOIR inflow	MAY-JUL	33.0	54.0	164						
PRICE near Heiner	MAY-JUL	56.0	100.0	179						
HUNTINGTON CREEK near Huntington	MAY-JUL	43.0	67.0	156						
COTTONWOOD CREEK near Orangeville	MAY-JUL	43.0	60.0	140						
FERRON CREEK near Ferron	MAY-JUL	34.0	49.0	144			720			
MUDDY CREEK near Emery	APR-JUL	18.5	24.0	130			280			
COLORADO near Cisco, UT	MAY-JUL	2638.0	5000.0	190						
GREEN near Green Rv., UT	MAY-JUL	2594.0	5000.0	193						
MILL CREEK near Moab	MAY-JUL	4.7	4.3	91						
NAVAJO RESERVOIR inflow	MAY-JUL	540.0	1000.0	185						
SAN JUAN near Bluff, UT	MAY-JUL	793.0	1350.0	170						
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100						

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
HUNTINGTON NORTH	3.9	3.7	3.8	---
JOE'S VALLEY	54.6	41.7	56.5	54.5
KEN'S LAKE	2.3	2.1	2.1	---
MILL SITE	16.7	16.7	16.7	---
SCOFIELD	65.8	73.8	70.3	53.8

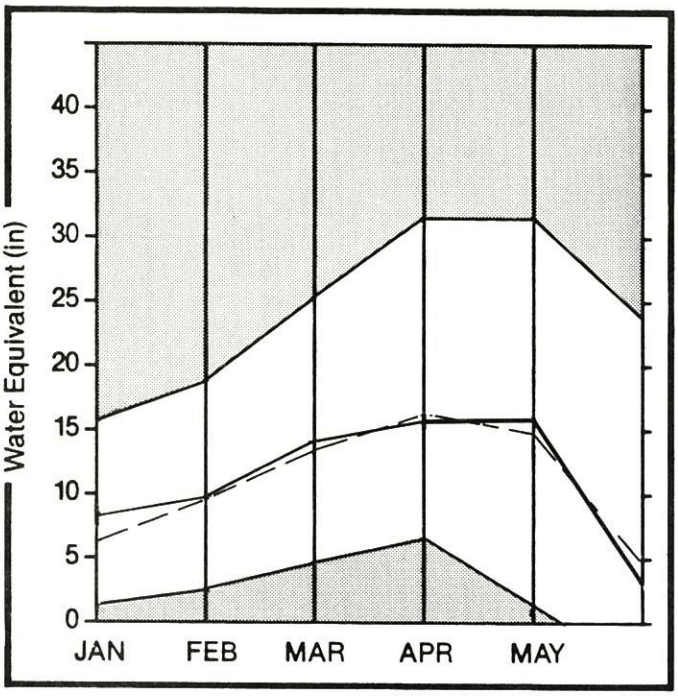
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
PRICE RIVER	2	0	0
SAN RAFAEL RIVER	4	449	79
MUDDY RIVER	2	0	0
FREMONT RIVER	0	0	0
LASAL MOUNTAINS	1	0	0
BLUE MOUNTAINS	1	0	0
CARBON, EMERY, WAYNE, GRA	11	449	66

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

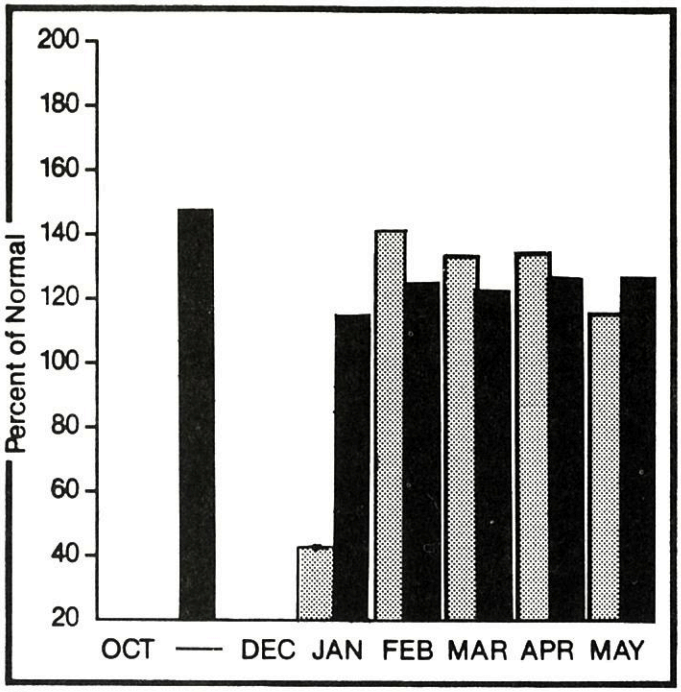
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack on both the East Fork and South Fork of the Sevier has melted off all snow courses. The Lower Sevier, including the San Pitch, is 82% of the June 1 average. Snowpack on the Beaver River remains well above average at 160% of the June 1 norm. May precipitation at mountain stations ranged from well below average on the Upper Sevier to well above average on the Lower Sevier. Reservoir storage is 95% of capacity and 176% of average. Streamflow forecasts are unchanged ranging from 81 to 481% average.

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

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	MAY-JUL	42.0	175.0	417						
SEVIER near Circleville	MAY-JUL	30.0	45.0	150						
SEVIER near Kingston	MAY-JUL	22.0	25.0	114						
ANTIMONY CREEK near Antimony	MAY-JUL	5.7	8.5	149						
E F SEVIER near Kingston	MAY-JUL	12.5	20.0	160						
SEVIER blw Piute Dam	MAY-JUL	33.0	38.0	115						
CLEAR CREEK near Sevier	MAY-JUL	16.2	22.0	136						
SIGURD to GUNNISON	MAY-JUL	16.6	80.0	482						
KINGSTON to VERMILLION DAM	MAY-JUL	28.0	55.0	196						
VERMILLION DAM to GUNNISON	MAY-JUL	19.0	65.0	342						
SALINA CREEK at Salina	MAY-JUN	10.8	20.0	185						
SEVIER nr Gunnison	MAY-JUL	41.0	115.0	280						
CHALK CREEK near Fillmore	MAY-JUL	13.2	13.3	101						
CHICKEN CREEK near Levan	APR-JUL	3.5	4.2	120						
OAK CREEK near Oak City	MAY-JUL	1.1	1.3	127						
EPHRAIM CREEK near Ephraim	MAY-JUL	8.3	12.0	145						
PLEASANT CREEK near Pleasant	MAY-JUL	7.9	9.0	114						
SALT CREEK near Nephi	MAY-JUL	10.8	8.8	81						
BEAVER RIVER near Beaver	MAY-JUL	21.0	35.0	167			450			
NORTH CREEK near Beaver (combined N	MAY-JUL	12.7	20.6	162						
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	18.0	202						

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNNISON	18.2	18.2	18.2	13.4
MINERSVILLE (RSVFG)	26.0	23.3	22.6	13.4
OTTER CREEK	52.5	52.4	52.8	40.3
PIUTE	71.8	63.6	69.1	39.0
SEVIER BRIDGE	236.0	226.5	228.6	112.3
PANGUITCH LAKE	22.3	21.0	22.1	---

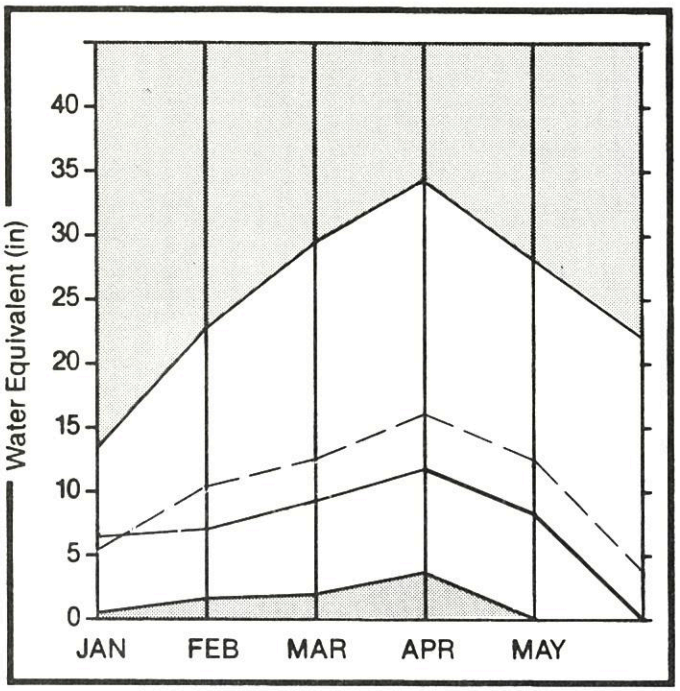
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER SEVIER RIVER (south	7	0	0
EAST FORK SEVIER RIVER	2	0	0
SOUTH FORK SEVIER RIVER	5	0	0
LOWER SEVIER RIVER (inclu	9	191	82
BEAVER RIVER	3	201	160
SEVIER & BEAVER RIVER BAS	19	195	84

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

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

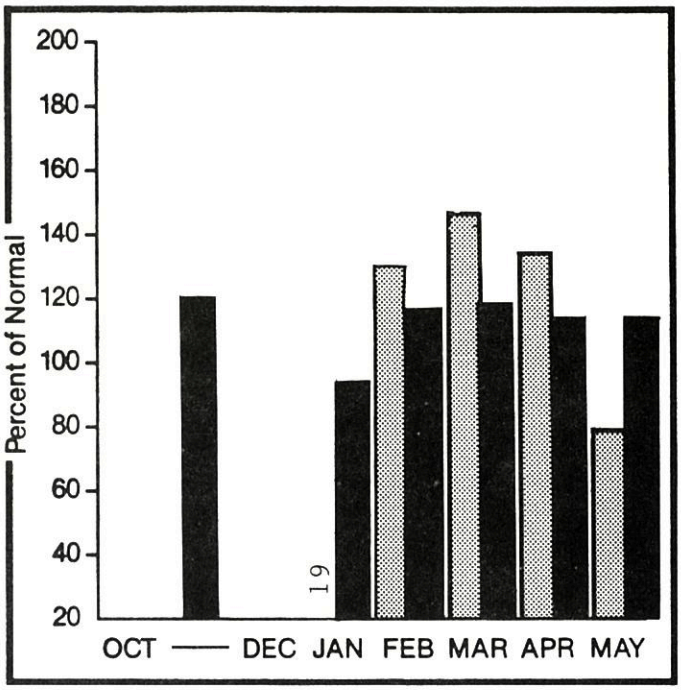
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

All snow courses in southwestern Utah are bare. Mountain precipitation during May varied widely ranging from less than half of normal at Tall Poles in Parowan Canyon to 25% above normal at Little Grassy Creek above Enterprise. Reservoir storage is only 64% of capacity and, with heavy withdrawals being made, the irrigation season will likely be cut short due to water shortages without some rainfall relief. Coal Ck., Santa Clara, and Virgin R. forecasts are unchanged. Inflow to L. Powell increased.

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	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	MAY-JUN	40.0	40.0	100						
SANTA CLARA near Pine Valley	MAY-JUN	4.1	4.2	102						
COAL CREEK near Cedar City	MAY-JUL	15.4	20.0	130						
LAKE POWELL inflow	MAY-JUL	6475.0	13000.0	201						

RESERVOIR STORAGE (1000AF)

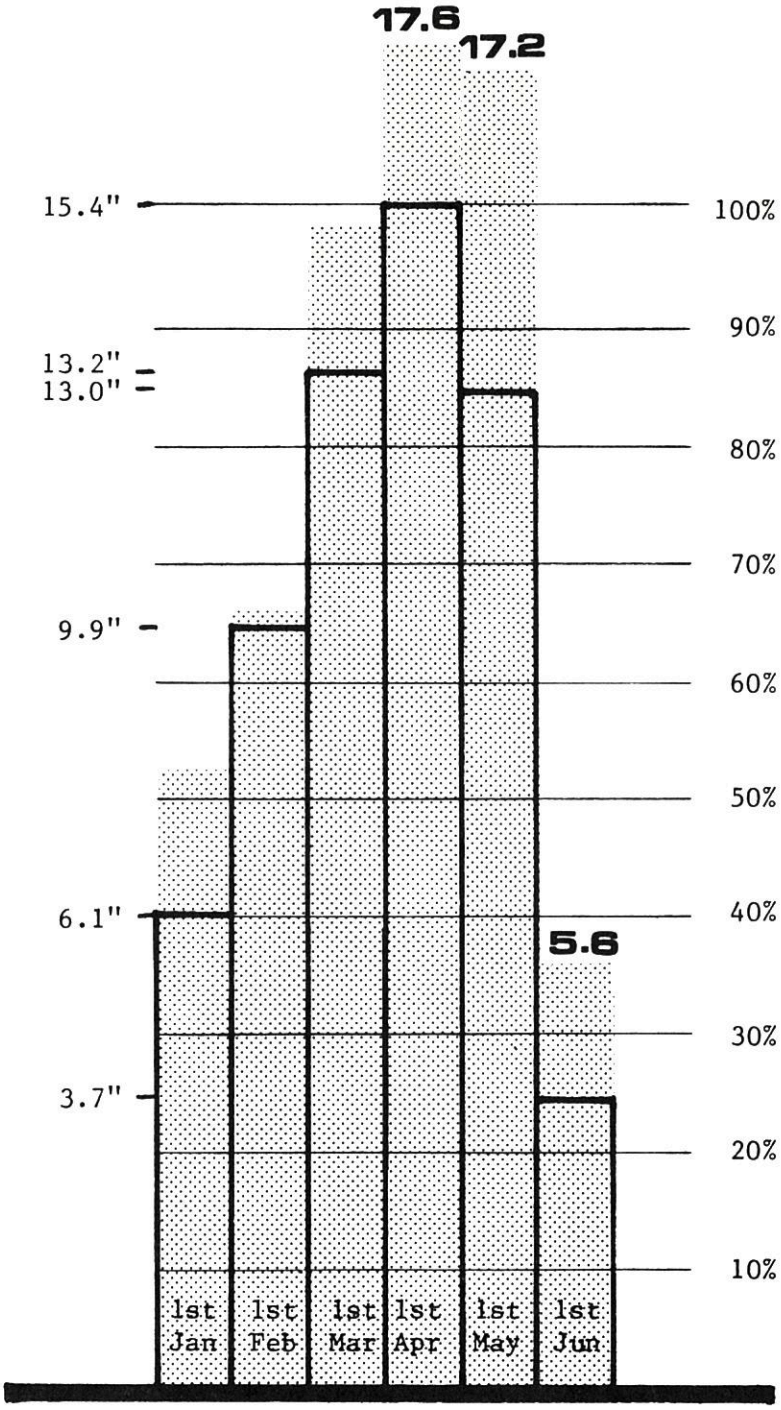
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GUNLOCK	10.4	7.4	---	---
LAKE POWELL	25002.0	22674.0	24296.0	---
QUAIL CREEK	40.0	27.0	---	---
UPPER ENTERPRISE	10.0	5.0	---	---
LOWER ENTERPRISE	2.6	1.0	---	---

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
VIRGIN RIVER	4	0	0
PAROWAN	2	0	0
ENTERPRISE TO NEW HARMONY	2	0	0
COAL CREEK	2	0	0
ESCALANTE RIVER	1	0	0
E. GARFIELD, KANE, WASHIN	8	0	0

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Snowpack Progress



Statewide

Average monthly snow water equivalent for the current water year is compared to 1961-80, 20 year average monthly snow water equivalent. Peak average snow water equivalent achieved on April 1 equals 100%.

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