United States
Department of
Agriculture

**Soil
Conservation
Service**

**Salt Lake City
Utah**

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

January 1, 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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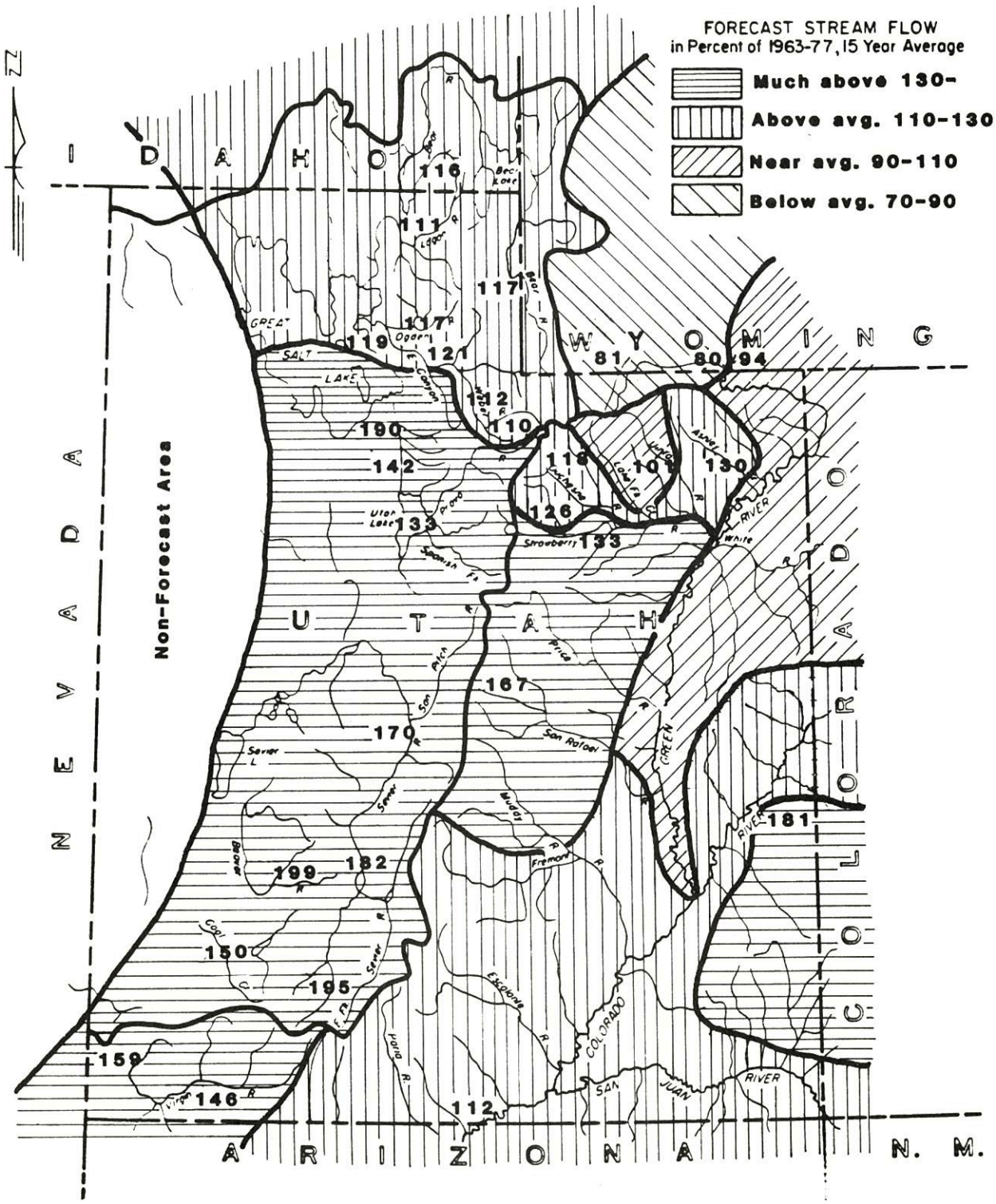
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

January 1, 1983

Approximate Date



As Of January 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 water supply outlook ranges from near      *
* average on the north slope of the Uintahs to two to    *
* three times average in southern Utah.  Snow cover      *
* varies from below average on the Blacks and Henrys     *
* Forks to better than twice average on most central and *
* southern Utah watersheds.  Soil moisture and reservoir *
* storage is well above average.  Streamflow forecasts   *
* range from 80% of average on Henrys Fork to 352% for   *
* the Inflow to Minersville.                             *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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SNOW COVER

Snow measurements taken the last week of December range from slightly below average on the north slope of the Uintahs to 234% on the La Sal Mountains above Moab. Bear River is 100% on the Upper River and 121% on the Lower Bear. Ogden River is 170% of the January 1 average, the Weber 122%, Provo-Utah Lake 140%, Duchesne River 171%, Price River 133%, San Rafael 200%, Muddy River 153%, Fremont River 177%, Upper Sevier and Beaver 214%, Coal Creek 242% and Virgin River 252%. Many snow courses in central and southern Utah set new water content records for January 1.

PRECIPITATION

Precipitation at mountain stations during the October-December period range from near average in northern Utah to almost twice average in central and southern Utah.

SOIL MOISTURE

Watershed soils were well primed this fall by good rains in September before snow fell on most watersheds. Soils are wetter than average and are expected to produce good runoff when snow melt occurs next spring.

RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs is 139% of the 15 year average for January 1 and 90% of useable capacity after exceptional carry over storage last fall. January 1 storage is 34% better than last year at this time.

Utah Lake is 1.52 feet above compromise and 2.50 feet above last January 1. Great Salt Lake is 4201.65 feet above mean sea level and 2.95 feet above last year.

Sevier River storage is now 200% of average and 88% of useable capacity.

STREAMFLOW FORECASTS

April through July streamflow forecasts range from 80% of average on Henrys Fork to 352% for the Inflow to Minersville Reservoir. Bear, Ogden, Weber, Upper Duchesne, Currant Creek, Rock Creek, Ashley Creek and main stem Colorado River range from 110 to 130% of the April-July average. Green River forecasts range from 94% of average at Flaming Gorge to 108% at Green River. Central and southwestern Utah streams range from 130 to better than 200% of the April-July average. These forecasts assume average precipitation and temperatures for the remainder of the accumulation and melt season.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	1176.8	882.5	1035.4
	Woodruff Narrows	55.7	34.2	19.4	18.1
	Birch Creek	2.2			
	Woodruff Creek	4.0		0.5	
Beaver River	Minersville (RkyFd)	23.3	19.5	14.2	10.0
Little Bear	Hyrum	15.3	10.2	10.2	10.4
	Porcupine	11.3	3.9	2.4	2.7
Ogden	Causey	6.9	2.8	3.0	1.8b
	Pineview	110.1	89.6	56.2	52.1
Provo	Deer Creek	149.7	113.1	103.1	107.3
Settlement Creek	Settlement Creek	1.2	1.0	0.5	
	Vernon Creek	0.6	0.5		
Sevier River	Gunnison	18.2	17.0	10.0	9.7
	Otter Creek	52.5	47.2	36.0	26.0
	Piute	71.8	59.1	48.6	32.2
	Sevier Bridge	236.0	211.1	160.6	99.0
	Panguitch Lake	22.3			
Spanish Fork	Strawberry	270.0	244.6	169.9	147.8
Utah Lake	Utah Lake	883.9	1045.8	750.7	639.3
Weber	East Canyon	48.1	41.0	32.0	26.6
	Echo	73.9	45.8	44.8	44.4
	Lost Creek	20.0	15.6	12.0	12.6b
	Rockport	60.9	57.1	37.5	37.9
	Willard Bay	193.3	122.6	132.2	121.6b
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	31.8	24.4	19.0
	Red Fleet	25.7			
Colorado	Blue Mesa	829.5	608.6	340.0	
	Lake Powell	25002.0	22545.0	20120.0	
Green	Flaming Gorge	3749.0	3309.0	2783.0	
Lakefork	Moon Lake	35.8	28.9	14.6	15.0
Price River	Scofield	65.8	54.0	32.5	33.7
San Juan	Navajo	1696.0	1474.0	1235.0	
	Ken's Lake	2.7	0.7		
San Rafael	Huntington North	3.9	4.0	1.6	1.7
	Joe's Valley	54.6	54.1	32.0	35.1b
	Mill Site	16.7	12.0	5.2	
Strawberry	Starvation	165.3	156.3	146.4	
Uintah	Bottle Hollow	11.3		11.1	9.8b

b=less than 15 years.

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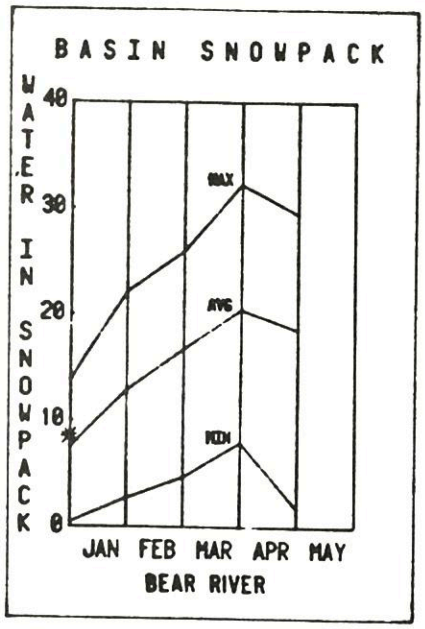
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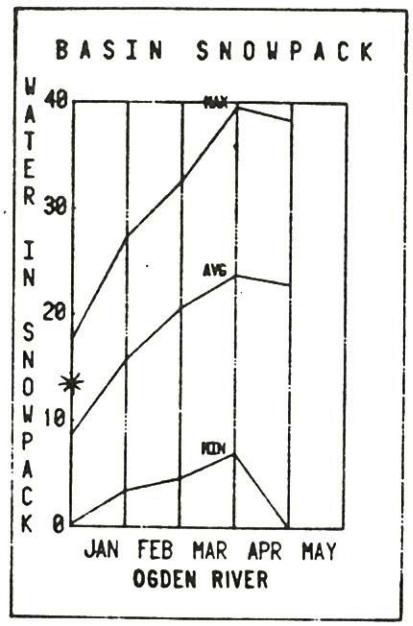
JAN FEB MAR APR MAY
BEAR RIVER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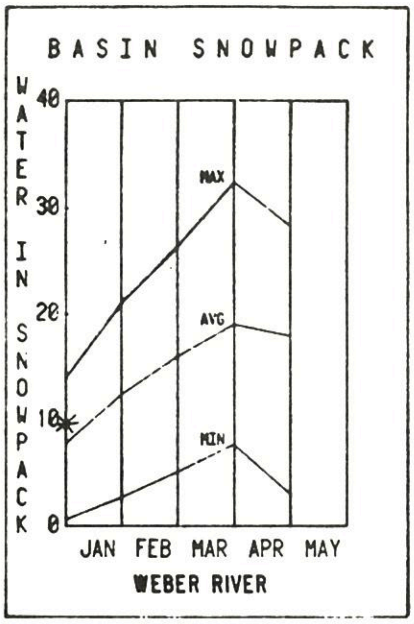
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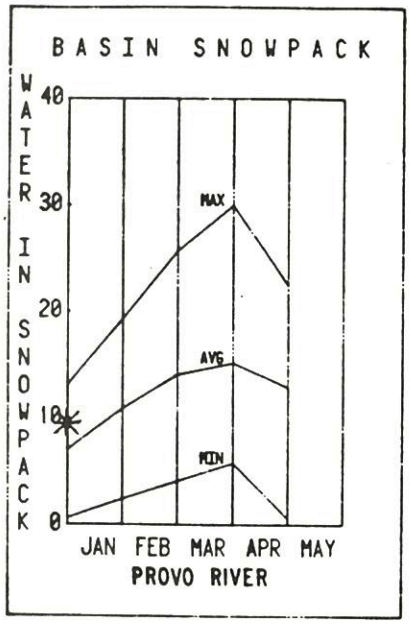
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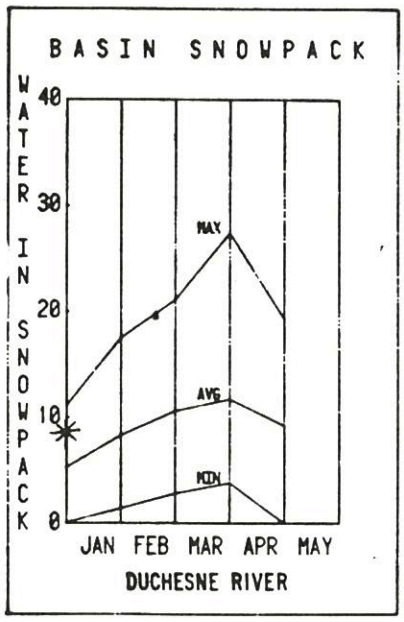
PROVO RIVER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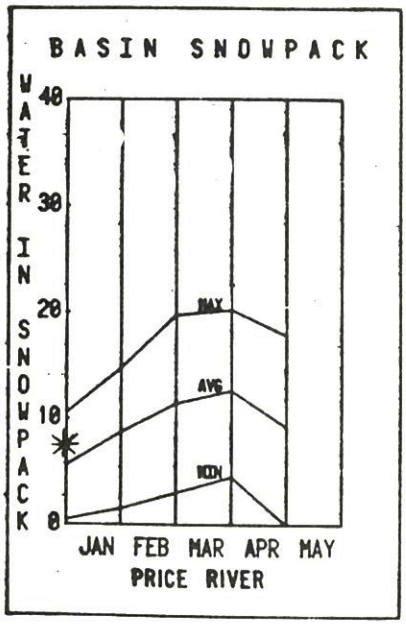
DUCHESNE RIVER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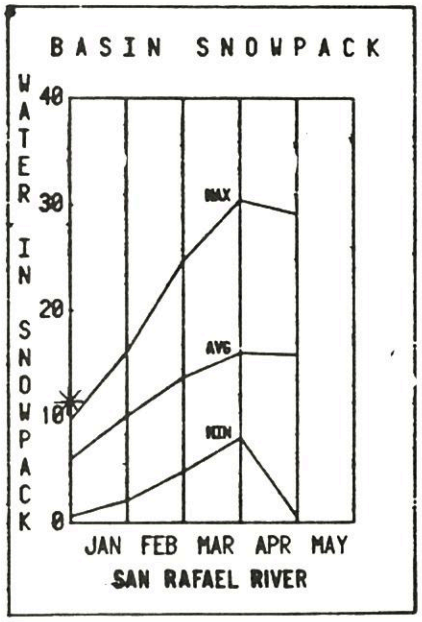
PRICE RIVER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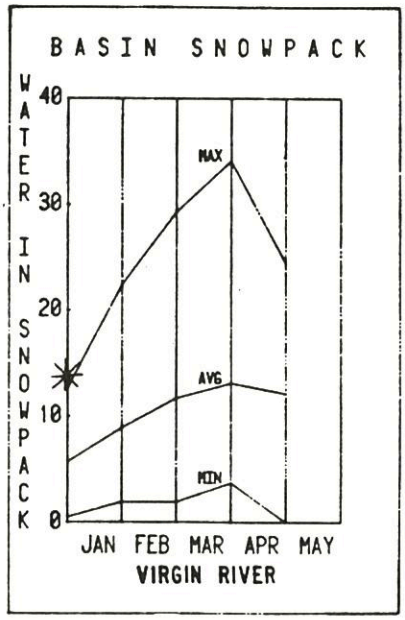
JAN FEB MAR APR MAY
SAN RAFAEL RIVER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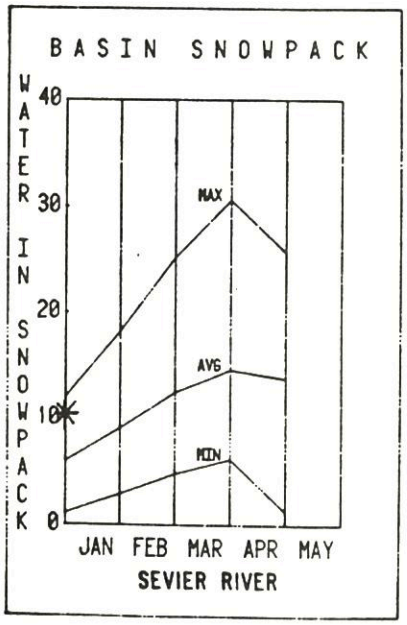
VIRGIN RIVER


BASIN SNOWPACK
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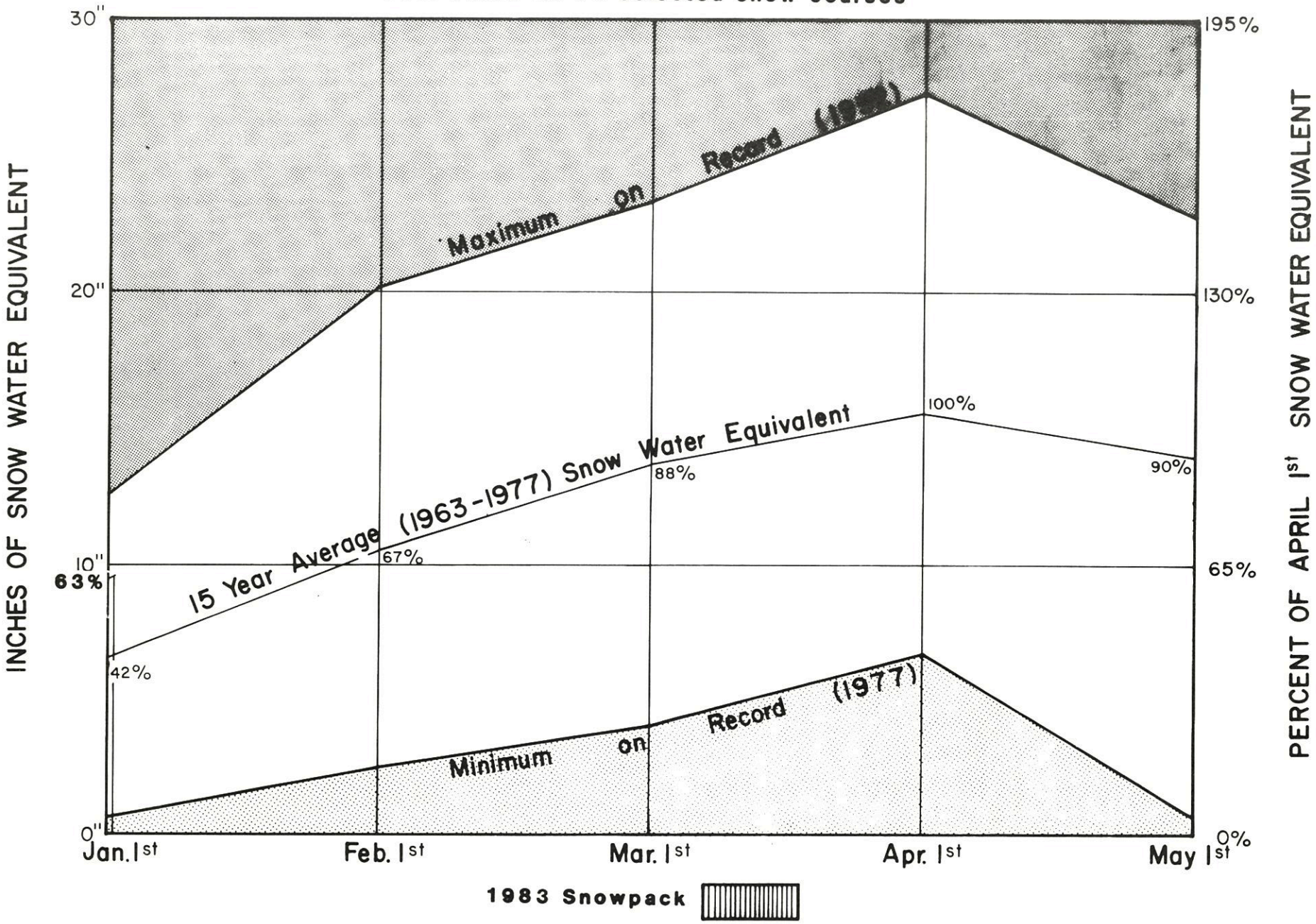
SEVIER RIVER

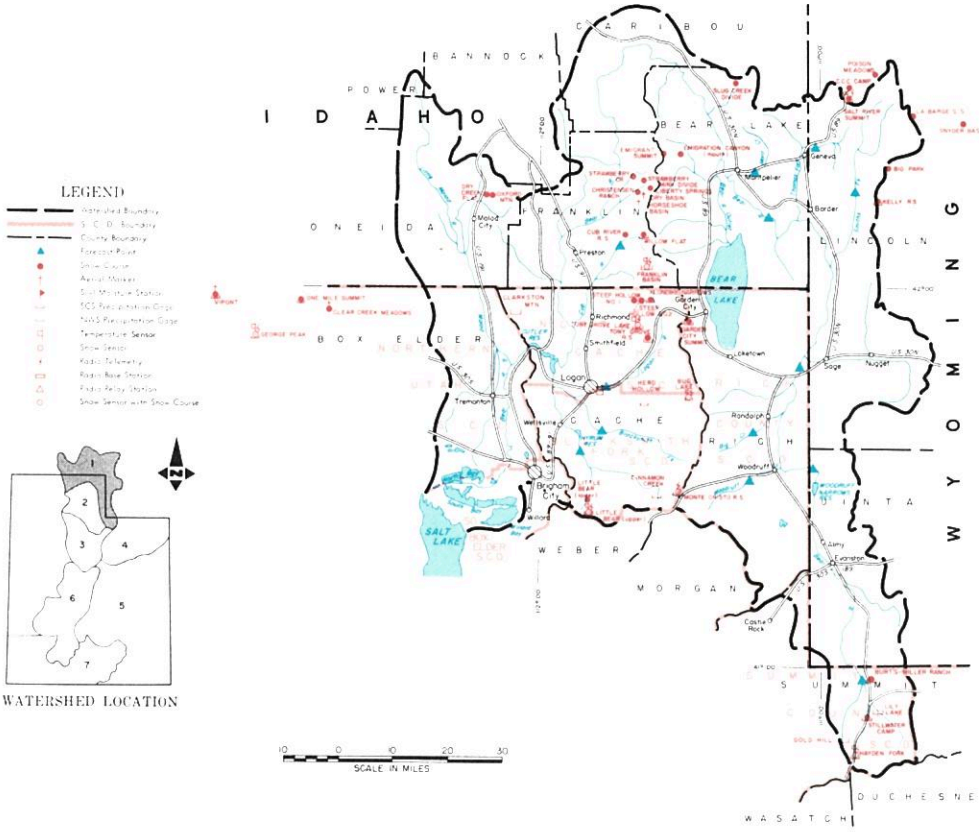
UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses



WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from about average on the Upper Bear to 21% above average on the Lower Bear and Logan Rivers.

PRECIPITATION at mountain stations for the October-December period has been average to 15% above average.

SOIL MOISTURE on most watersheds is above average as a result of above average August and September precipitation.

RESERVOIR STORAGE is generally above average with Bear Lake at 114% of average 133% of last year on January 1.

STREAMFLOW FORECASTS range from average for the Bear at Harer, Idaho to 125% for Big Creek near Randolph. The Bear at State Line and Woodruff are forecast 117%, Woodruff Creek 101%, Bear at Randolph 114%, Thomas Fork 114%, and Smiths Fork 104%. Cub River is forecast 116%, Logan River 111%, Blacksmith Fork 114%, and Little Bear 106% of the 15 year average.

USDA-SCS-PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear nr UT-Wyo. State Line	133	117	Apr-July	142	114
Bear nr Woodruff	173	117	Apr-July	180	148
Woodruff Crk nr Woodruff, UT	18.6	101	Apr-July	--	18.4[b]
Big Creek nr Randolph, UT	6.8	125	Apr-July	--	5.4[b]
Bear nr Randolph	137	114	Apr-July	145	120
Thomas Fork nr ID-WY State Ln	40	114	Apr-Sept	--	35
Smith's Fork nr Border, WY	125	104	Apr-Sept	--	120
Bear at Harer, Idaho 1/	332	100	Apr-Sept	--	332
Logan nr Logan 1/	132	111	May-July	175	118
Blacksmith Fork nr Hyrum	61	114	Apr-July	83	54
Little Bear nr Paradise	40	106	Apr-June	65	38
Cub River nr Preston, ID	58	116	Apr-Sept	--	--

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	16	65	119
UPPER BEAR RIVER	2	54	100
LOWER BEAR RIVER	14	69	121
LOGAN RIVER	7	64	121

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1176.8	882.5	1035.4
	Woodruff Narrows	57.3	34.2	19.4	18.1
LITTLE BEAR	Hyrum	15.3	10.2	10.2	10.4
	Porcupine	11.3	3.9	2.4	2.7

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Big Creek nr Randolph	To begin February 1st	
Logan River nr Logan		
Woodruff Creek nr Woodruff		
Little Bear nr Paradise		
Bear nr. Ut.-Wyo. Stateline		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Burts-Miller Ranch	12/29	14	1.7	--	--
Cub River R.S.	12/27	19	5.0	--	3.4[a]
Emigrant Summit	1/3	45	13.5	12.8	9.4[b]
Franklin Basin	12/27	39	10.7	18.5	9.9[a]
Hayden Fork	12/29	23	5.0	11.3[a]	6.4[a]
Klondike Narrows	12/27	34	8.2	--	7.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Little Bear Lower	12/28	28	6.2	--	4.8[a]
Little Bear Upper	12/28	37	7.0	--	5.8[a]
Monte Cristo	12/28	41	11.0	18.2	9.6[a]
Salt River Summit	12/29	32	6.4	9.8	5.9
Stillwater Camp	12/29	21	3.5	--	--
Tony Grove R.S.	12/27	25	5.7	--	4.1

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

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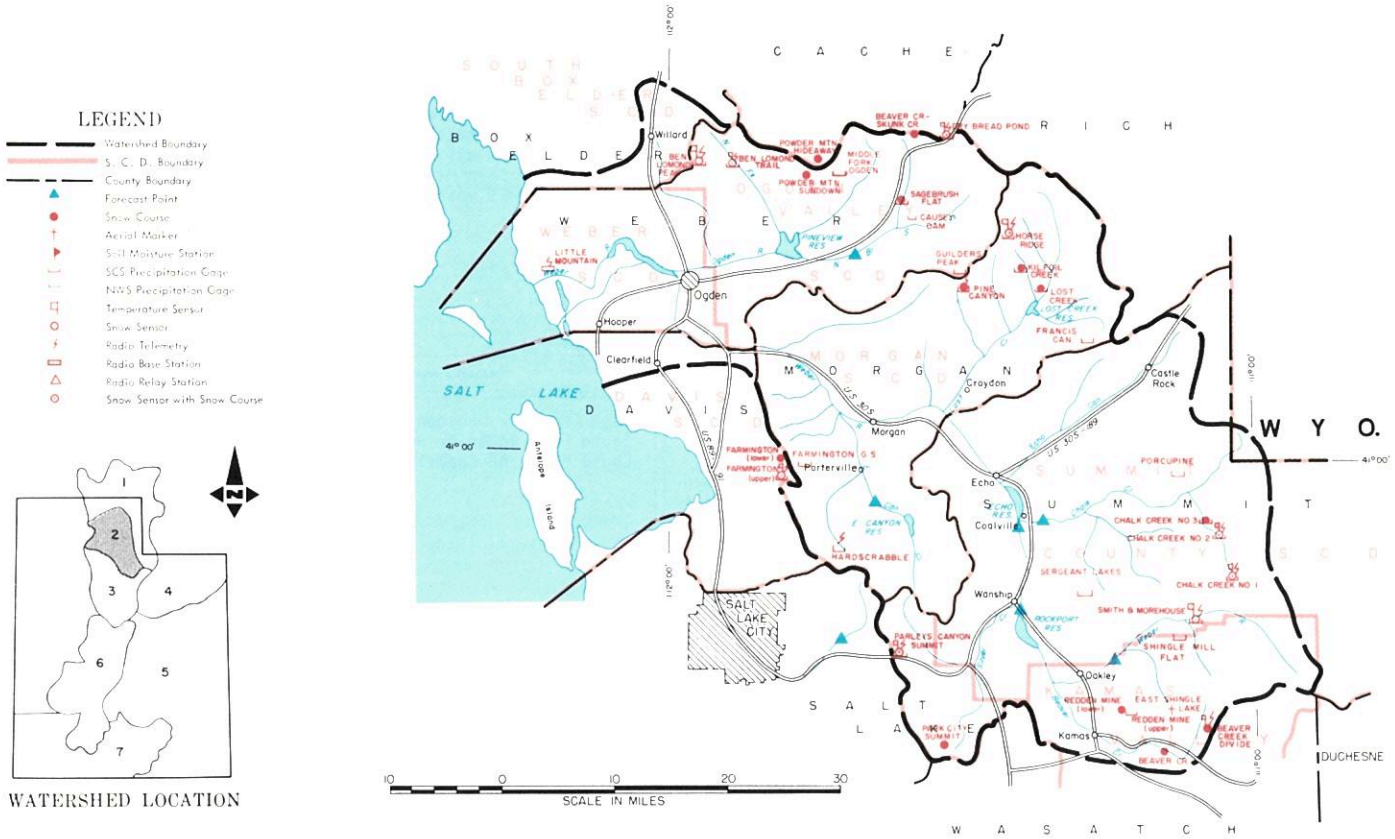
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER is 170% of average on the Ogden Watershed and 122% on the Weber. Both basins have slightly less snow water than last year at this time.

PRECIPITATION at mountain stations for the October-December period has been average to 10-13% above average.

SOIL MOISTURE is above average as a result of better than average August and September precipitation priming the soils prior to late September snow.

RESERVOIR STORAGE is above average in all reservoirs except Willard Bay which was drawn down for repair. Most reservoirs had very good carry over storage this fall.

STREAMFLOW FORECASTS range from 110% of the April-June average for the Weber at Oakley to 130% for East Canyon Creek. Rockport Inflow is forecast 113%, Chalk Creek 121%, Echo Reservoir Inflow 114%, Lost Creek 121%, Hardscrabble 125%, and Weber at Gateway 119%. Pineview Inflow is forecast 127% of the April-June average and Farmington Creek 122%.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	115	110	Apr-June	133	104
Rockport Reservoir Inflow 1/	127	113	Apr-June	172	112
Chalk Creek at Coalville	48	121	Apr-June	61	40
Weber nr Coalville	138	112	Apr-June	175	123
Lost Creek nr Croydon, UT	21	121	Apr-June	24	17.4b
East Canyon Creek nr Morgan 1/	33	130	Apr-June	44	26
Hardscrabble Crk nr Porterville	23	125	Apr-June	--	18.6e
South Fork Ogden nr Huntsville	67	117	Apr-June	92	57
Pineview Reservoir Inflow 2/	145	127	Apr-June	168	115
Echo Reservoir Inflow	183	114	Apr-June	215	160
Weber at Gateway	370	119	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	9.9	122	Apr-July	--	8.1b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	98	170
WEBER RIVER	9	89	122

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
OGDEN	Causey	6.9	2.8	3.0	1.8b
	Pineview	110.1	89.6	56.2	52.1
WEBER	East Canyon	48.1	41.0	32.0	26.0
	Echo	73.9	45.8	44.8	44.4
	Lost Creek	20.0	15.6	12.0	12.6b
	Rockport	60.9	57.1	37.5	37.9
	Willard Bay	193.3	112.6	132.2	121.6b

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	Beginning Feb. 1, 1983	
South Fork Ogden nr Huntsville		
Chalk Creek nr Coalville		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	12/29	19	3.9	--	3.6
Beaver Creek-Skunk Creek	12/28	27	6.5	--	4.4
Ben Lomond Peak	12/28	71	21.8	20.5	12.4
Ben Lomond Trail	12/28	42	12.2	12.1	5.4a
Chalk Creek #1	12/29	44	11.0	--	9.3a
Chalk Creek #2	12/29	34	7.0	8.9	6.6a
Chalk Creek #3	12/29	20	3.6	--	3.6a
Dry Bread Pond	12/28	34	9.1	11.3	6.9a

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	12/28	37	9.7	--	7.9a
Lost Creek Reservoir	12/28	12	2.6	--	--
Monte Cristo	12/28	41	11.0	18.2	9.6a
Parleys Canyon Summit	12/28	40	8.7	10.7	7.9
Sagebrush Flat	12/28	15	3.1	--	1.9
Smith & Morehouse	12/29	27	7.0	6.9	5.2
Trial Lake	12/29	40	10.8	16.0	10.3

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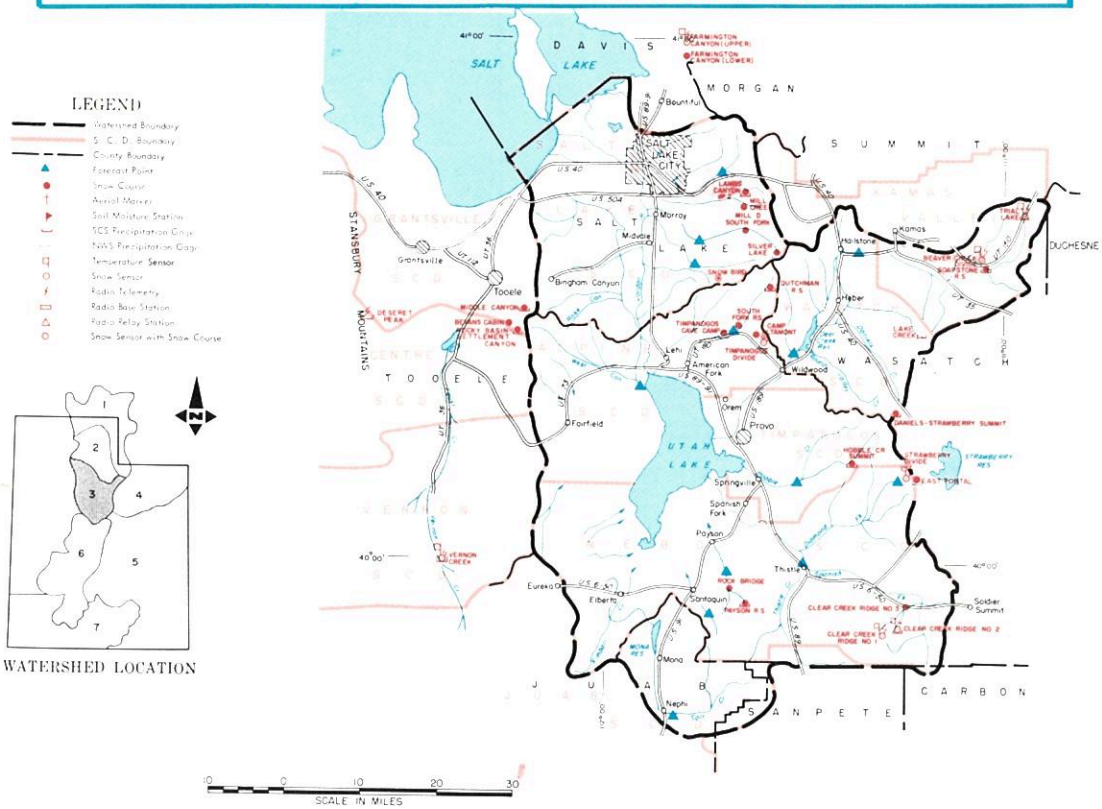
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on the Jordan River above Salt Lake is 142% of the January 1 average and the Provo River-Utah Lake drainage is 140% of average.

PRECIPITATION at mountain stations ranged from 121% of average at Trial Lake to 140% at Clear Creek Ridge #2 for the October-December period.

SOIL MOISTURE is above average due to the heavy September rains prior to snow accumulation.

RESERVOIR STORAGE is above average. Utah Lake was 1.52 feet above compromise as of January 1.

STREAMFLOW FORECASTS range from 133% of the April-July average for Utah Lake Inflow to 200% of the January-June average for Vernon Creek near Vernon with the Provo near Hailstone at 137%, American Fork near American Fork at 145%, Big Cottonwood near Salt Lake City at 161%, and Mill Creek near Salt Lake City at 190% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	140	137	Apr-July	153	102
Provo below Deer Creek Dam 1/	175	146	Apr-July	--	120
American Fork nr American Fork	45	145	Apr-July	--	31
Hobble Creek nr Springville	28	142	Apr-July	--	--
Strawberry Reservoir Inflow 1/	70	134	Apr-July	95	52
Spanish Fork at Thistle	55	141	Apr-July	--	--
Payson Creek nr Payson	8.5	135	Apr-July	--	--
Utah Lake Inflow	325	133	Apr-July	--	244
JORDON RIVER & SALT LAKE				--	--
Little Cottonwood Crk nr SLC	54	142	Apr-July	--	38
Big Cottonwood nr SLC	61	161	Apr-July	--	38
Parley's Creek nr SLC	27	175	Apr-July	--	15.4
Mill Creek nr SLC	12.0	190	Apr-July	--	6.3
Emigration Creek nr SLC	7.5	188	Apr-July	--	--
City Creek nr SLC	15.0	188	Apr-July	--	--
TOOELE VALLEY					
Vernon Creek nr Vernon	2.2	200	Jan-June	1.8	1.1
Settlement Crk nr Tooele	3.9	170	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.9	134	Apr-July	4.2	2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	132	140
JORDON RIVER & SALT LAKE	6	112	142
TOOELE VALLEY	--	--	--

1 - Observed flow corrected for change in storage and diversions
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SPANISH FORK	Strawberry	270.0	244.6	169.9	147.8
UTAH LAKE	Utah Lake	883.9	1045.8	750.7	639.3
	Settlement Cree	1.2	1.0	0.5	--
	Vernon Creek	0.6	0.5	--	--
PROVO	Deer Creek	149.7	113.1	103.1	107.3

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
American Fork		
Provo nr Hailstone		
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		
Little Cottonwood nr Salt Lake City		
Mill Creek nr Salt Lake City		
Parley's Creek nr Salt Lake City		
Emigration Creek nr Salt Lake City		
City Creek nr Salt Lake City		
Stone Creek nr Bountiful		
Mill Creek nr Bountiful		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Bevans Cabin					
Camp Altamont	12/29	42	12.9	3.9	6.5
Clear Creek #1	12/27	37	8.5	10.3	7.2a
Clear Creek #2	12/27	34	6.8	9.3	5.8a
Clear Creek #3	12/27	21	4.1	--	3.1a
Daniels-Strawberry Summit	12/27	34	9.8	9.2	5.6
Dutchman R.S.	12/29	47	13.7	6.2	7.2a
Hobble Creek Summit	12/27	35	8.1	--	5.8a
Lambs Canyon #2	12/28	39	8.9	8.7	7.8a
Middle Canyon	12/31	38	9.5a	5.5	6.1a
Mill Creek	12/29	40	9.4	11.1	8.1a

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mill D South Fork	12/29	44	11.5	11.9	8.2
Parley's Canyon Summit	12/28	40	8.7	10.7	7.9
Payson R.S.	12/31	42	12.4	9.0	8.0
Rocky Basin-Settlement Canyon	1/1	92a	23.0a	--	--
Silver Lake Brighton	12/29	53	14.8	15.4	10.3
Soapstone R.S.	12/29	22	4.0	--	5.3
South Fork R.S.	12/28	24	7.8	4.0	2.6
Timpanogos Divide	12/29	55	16.0	5.4	10.8
Trial Lake	12/29	40	10.8	16.0	10.3
Vernon Creek	12/31	35	8.8a	3.6	3.7b

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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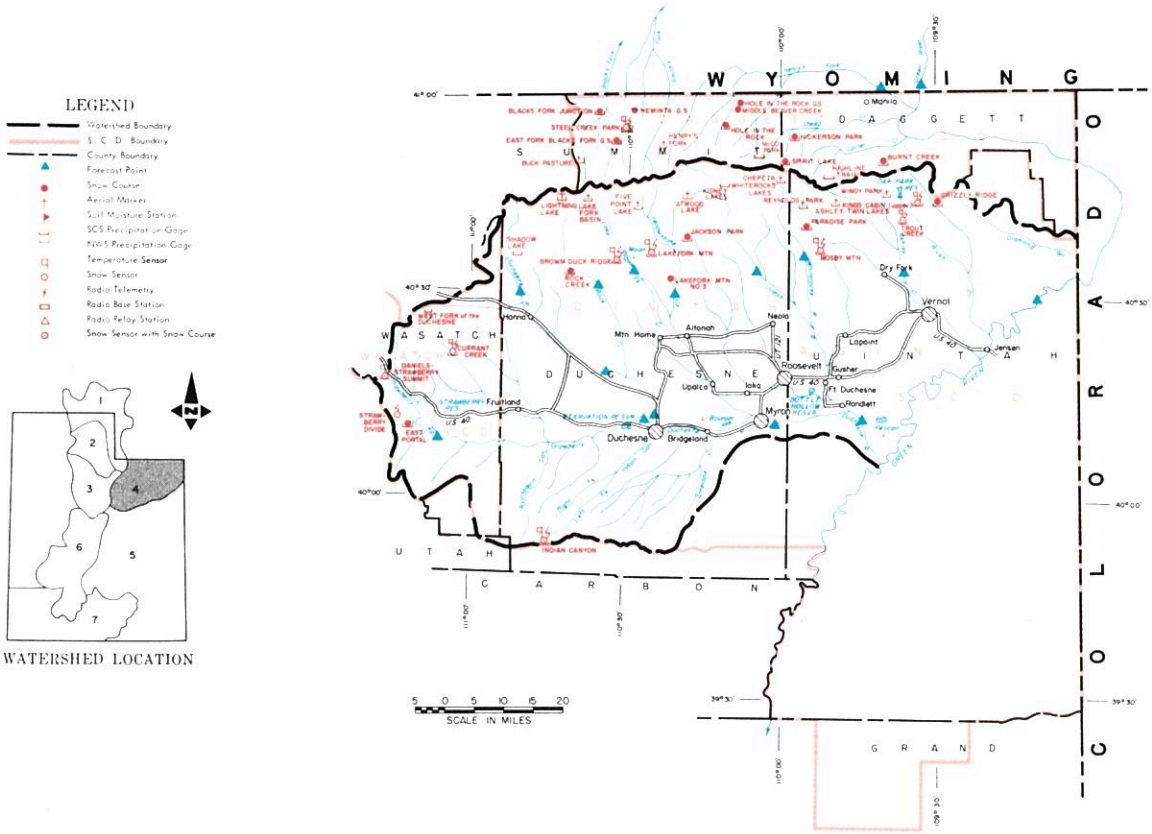

JANUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 98% of average in Daggett County to better than twice the average on Whiterocks Watershed. Ashley Creek is 147% of average, Strawberry River 149%, and Lakefork-Yellowstone Rivers are 165% of January 1 average for the 1963-77 15 year period.

PRECIPITATION at mountain stations ranged from 123% to 184% for the October-December period.

SOIL MOISTURE is above average due to good August and September rains on the watershed.

RESERVOIR STORAGE is well above average.

STREAMFLOW FORECASTS range from 80% of average on Henrys Fork to 133% on Strawberry River for the April-July period. Other streams are forecast as follows: Duchesne at Tabiona 126%, at Duchesne 122%, at Myton 131%, at Randlett 124%, and West Fork Duchesne 129% of the April-July average. Currant Creek is forecast 129%, Rock Creek 118%, Lakefork 108%, Yellowstone 112%, Uintah 106%, Whiterocks 112% and Ashley Creek 130%.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	135	126	Apr-July	170	107
Duchesne at Duchesne 1/	236	122	Apr-July	264	193
Strawberry at Duchesne	76	133	Apr-July	91	57
Rock Creek nr Mtn. Home	112	118	Apr-July	112	95
Currant Creek nr Fruitland	26	129	Apr-July	32	20
Lakefork below Moon Lake 1/	77	108	Apr-July	79	72
Yellowstone nr Altonah	74	112	Apr-July	74	67
Duchesne at Myton 1/	275	131	Apr-July	275	210
Whiterocks nr Whiterock	67	112	Apr-July	62	60
Uintah nr Neola	94	106	Apr-July	90	89
Duchesne at Randlett 1/	329	124	Apr-July	336	266
West Fork Duchesne at Hanna	34	129	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	43	80	Apr-Sept	38	54
Black's Fork at Millburne	76	81	Apr-July	95	93
Flaming Gorge Inflow 1/	1220	94	Apr-July	--	1292
Ashley Creek nr Vernal	66	130	Apr-July	50	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	12	147	171
LAKEFORK-YELLOWSTONE CREEKS	4	130	165
STRAWBERRY RIVER	4	65	149
UINTAH - WHITEROCKS RIVERS	2	141	222
ASHLEY CREEK	2	101	147
BLACK'S FORK - HENRYS FORK	4	68	98

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
ASHLEY CREEK	Steinaker	33.3	31.8	24.4	19.0
GREEN RIVER	Flaming Gorge	3749.0	3309.0	2783.0	--
LAKE FORK	Moon Lake	35.8	28.9	14.6	15.0
STRAWBERRY	Starvation	165.3	156.3	146.4	--
UINTAH	Bottle Hollow	11.3	--	--	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Strawberry at Duchesne	To begin February 1st	
Ashley Creek nr Vernal		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Brown Duck Ridge	12/30	50	14.3	12.2	7.5a
Currant Creek	12/27	27	6.5	4.6	4.0a
Daniels-Strawberry	12/27	34	9.8	9.2	5.6
Hewinta G. S.	12/29	18	2.9	--	3.4b
Hickerson Park	12/30	24	2.7	--	1.9b
Jackson Park	12/30	42	11.4	--	7.7a
Kings Cabin Upper	12/30	35	8.9	5.0	5.0a

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Lakefork Mountain	12/30	35	8.5	5.4	5.8a
Mosby Mountain	12/30	33	8.9	6.3	4.2
Paradise Park	12/30	43	12.4	--	5.4
Rock Creek Ranch	12/30	26	5.9	4.5	3.2a
Spirit Lake	12/30	33	5.4	--	4.9a
Steel Creek Park	12/29	36	7.7	11.4	6.3a
Strawberry Divide	12/30	39	9.5	10.4	7.8
Trout Creek	12/30	37	10.2	--	--

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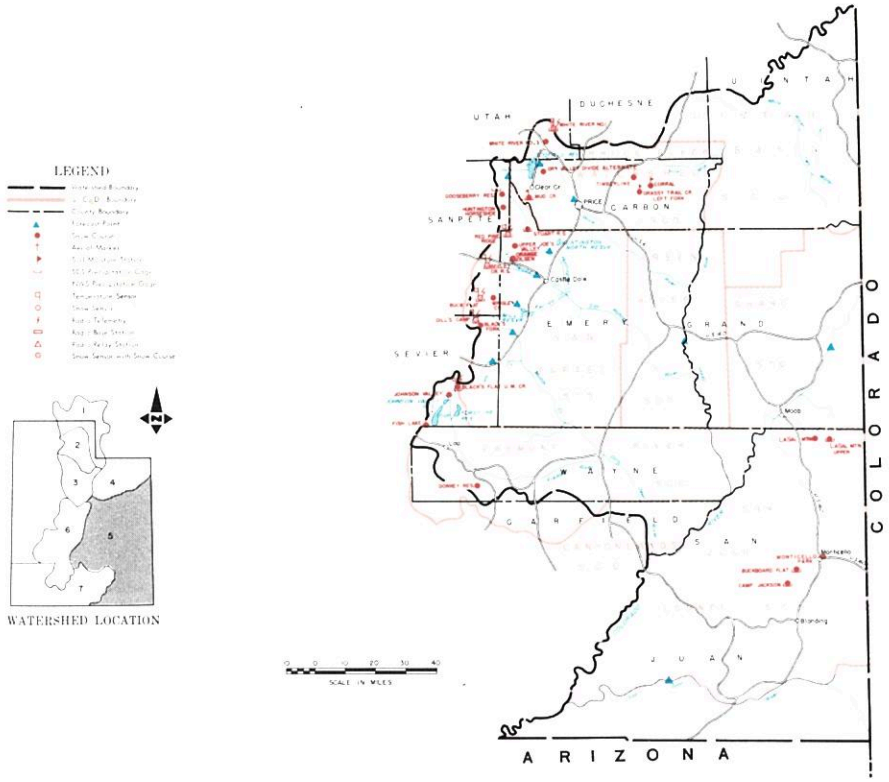
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 133% of the January 1 average on Price River Watershed to 234% on the La Sal Mountains. Muddy River is 153%, Fremont River 177%, San Rafael 200% and Blue Mountains above Monticello 218% of average. New January 1 water content records were set at all San Rafael snow courses and three of the four snow courses on the La Sal and Blue Mountains. The biggest increase in January 1 record was at Huntington Horseshoe which increased from 11.6 to 16.8 inches of water.

PRECIPITATION at mountain stations ranged from about 130 to better than twice average for the October-December period.

SOIL MOISTURE is above average after very good precipitation in August, September and early October.

RESERVOIR STORAGE is well above average

STREAMFLOW FORECASTS for the April-July period range from 108% of average at Green River to 181% for Mill Creek near Moab. Scofield Inflow is forecast 149%, Price River 125%, Huntington Creek 136%, Cottonwood Creek 167%, Muddy Creek 163%, Ferron Creek 180%, and Seven Mile Creek 118% of average. The Colorado River is forecast 113% at Cisco and the San Juan 118%.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	14.5	144	Apr-July	--	10.1
Scofield Reservoir Inflow	53	149	Apr-July	--	36
Price nr Heiner 1/	80	125	Apr-July	--	--
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	63	136	Apr-July	--	49b
Cottonwood Crk nr Orangeville	74	167	Apr-July	65	44b
Ferron Creek nr Ferron	61	180	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	28	163	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3075.0	113	Apr-July	--	2716
Green at Green River, UT	3210.0	108	Apr-July	--	2974
Mill Creek nr Moab	9.2	181	Apr-July	4.2	5.1b
Navajo Reservoir Inflow	720	118	Apr-July	--	608
San Juan nr Bluff, UT	1025.0	118	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.5	118	Apr-July	7.2	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	4	--	133
SAN RAFAEL RIVER	8	127	200
FREMONT RIVER	3	89	177
LASAL MOUNTAINS	2	284	234
BLUE MOUNTAINS	2	581	218
MUDDY RIVER	2	96	153

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
PRICE RIVER	Scofield	65.8	54.0	32.5	33.7
SAN RAFAEL	Huntington North	3.9	4.0	1.6	1.7
	Joe's Valley	54.6	54.1	32.0	35.1b
	Mill Site	16.7	12.0	5.2	--
SAN JUAN	Navajo	1696.0	1474.0	1235.0	--
	Kens Lake	2.7	0.7	--	--

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	To Begin February 1	
Muddy Creek near Emery		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	12/29	42	12.1	6.3	6.1a
Buckboard Flat	12/29	37	10.4	1.9	5.4a
Camp Jackson	12/29	41	12.5	2.0	5.1a
Dills Camp	12/29	29	7.0	7.3	4.6a
Dry Valley Divide Alternate	12/27	28	6.2	--	4.5a
Huntington-Horseshoe	12/28	54	16.8	--	8.8a

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mammoth-Cottonwood R.S.	12/28	51	13.7	10.6	7.9
Monticello City Park	1/3	6	2.3	--	--
Mud Creek	12/28	32	6.9	--	5.7
Seeley Creek	12/28	36	11.0	8.9	6.2
White River #1	12/27	32	8.0	--	5.4a
White River #3	12/27	22	4.1	--	3.4a

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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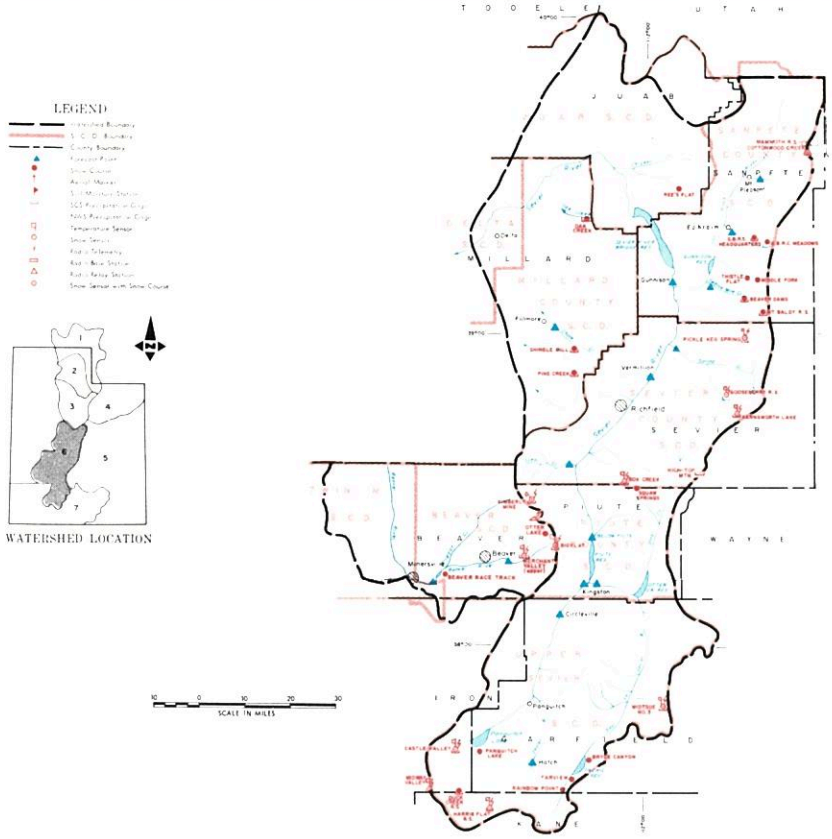

JANUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 164% of the January 1 average on the Lower Sevier to 228% on the South Fork Sevier. The East Fork is 188% and the Beaver River 214%. Most snow courses in this area exceeded the previous record water content for January 1 and Pine Creek exceeded its previous high by 5.5 inches of snow water content.

PRECIPITATION at mountain stations for the October-December period ranged from near average at some stations on the San Pitch to better than twice average at Duck Creek R. S.

SOIL MOISTURE is above average due to better than average fall precipitation.

RESERVOIR STORAGE is well above average and about 91% of useable capacity.

STREAMFLOW FORECASTS range from 129% of the April-July average for Oak Creek to 352% for Minersville Inflow. The Sevier is forecast 195% at Hatch, 190% at Circleville, 186% at Kingston, 178% for the East Fork, and 170% at Gunnison. Salina Creek is forecast 141%, Clear Creek 169%, Chicken Creek 161%, Ephriam Creek 166%, Pleasant Creek 149% and Salt Creek 152% of average.

Beaver River is forecast 199% and North Creeks 185% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Sevier at Hatch	80	195	Apr-July	--	41
Sevier nr Circleville	55	190	Apr-July	--	29
Sevier nr Kingston	42	186	Apr-July	--	23
Antimony Crk nr Antimony	12.2	177	Apr-July	--	6.9
East Fork Sevier nr Kingston1/	27	178	Apr-July	--	15.2
Sevier below Piute Dam	65	182	Apr-July	--	36
Clear Crk nr Sevier (abv Div)	30	169	Apr-July	--	17.8
Sigurd to Gunnison	47	181	Apr-July	--	--
Kingston to Vermillion Dam	100	179	Apr-June	--	56
Vermillion Dam to Gunnison	65	186	Mar-June	--	35
Salina Creek at Salina	55	141	Apr-June	--	11.1
Sevier nr Gunnison	85	170	Apr-July	--	50
Chalk Creek nr Fillmore	29	175	Apr-July	--	16.3
Chicken Creek nr Levan	5.0	161	Apr-July	6.0	3.1
Oak Cr. nr Oak City	1.8	129	Apr-July	1.9	1.4
Ephraim Creek nr Ephraim	24	166	Apr-July	--	14.5
Pleasant Crk nr Mt. Pleasant	12.5	149	Apr-July	--	8.4
Salt Creek nr. Nephi	18.6	152	Apr-July	--	12.2
Beaver nr Beaver	40	199	Apr-July	31	20
North Creek (Combined)	25	185	Apr-July	--	13.7b
Minersville Inflow	23	352	Apr-June	--	6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	4	145	188
South Fork Sevier	7	355	228
LOWER SEVIER	10	112	164
BEAVER RIVER	3	142	214

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SEVIER RIVER	Gunnison	18.2	17.0	10.0	9.7
	Otter Creek	52.5	47.2	36.0	26.0
	Piute	71.8	59.1	48.6	32.2
	Sevier Bridge	236.0	211.1	160.6	99.0
BEAVER RIVER	Minersville (Rky Fd)	23.3	19.5	14.2	10.0

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Sevier River at Hatch	To Begin February 1st	
Beaver River nr Beaver		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		
Beaver River nr Beaver		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Big Flat	12/31	46	13.0	9.6	5.9a
Bryce Canyon	12/30	23	5.1	2.6	2.1
Castle Valley	12/30	40	11.4	4.7	6.0a
Duck Creek	12/30	43	12.1	4.3	5.2
Farnsworth Lake	12/29	44	10.1	10.2	8.0
Gooseberry R.S.	12/29	30	6.0	5.6	5.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Harris Flat	12/30	29	8.0	2.3	3.0
Kimberly Mine	12/31	38	9.8	5.1	6.2
Long Valley Junction	12/30	28	8.1	1.3	1.5
Merchants Valley Upper	12/31	39	9.8	6.5	4.8a
Midway Valley	12/30	64	20.4	--	8.5
Otter Lake	12/31	36	9.7	--	4.5a
Pickle Keg Springs	12/29	37	8.6	8.0	6.4a
Widtsoe-Escalante #3	12/29	31	7.3	5.1	4.5

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

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COOPERATIVE SNOW SURVEYS
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WATER IS THE WEST'S GREATEST RESOURCE

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

JANUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER is well above average and ranges from 176% of the January 1 average on Parowan Creek to 338% on Enterprise-New Harmony drainages. Coal Creek is 242% of average and Virgin River 252%. Several snow courses in this area set new water content records for January 1st - the previous high was January 1, 1979.

PRECIPITATION at mountain stations ranged from 132% of the October-December average at Tall Poles on Parowan Creek to 163% for Webster Flat.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 112% of average for Lake Powell Inflow to 159% for the Santa Clara for the April-July period. The Virgin River is forecast 146% and Coal Creek 150% of average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	71	146	Apr-June	52	48.5
Santa Clara nr Pine Valley	6.5	159	Apr-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	25	150	Apr-July	22	17.0
UPPER COLORADO					
Lake Powell Inflow	7800.0	112	Apr-July	--	6952.0

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	--	242
VIRGIN RIVER	3	580	252
PAROWAN CREEK	4	432	176
ENTERPRISE - NEW HARMONY	2	--	338

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
COLORADO	Lake Powell	25002.0	22545.0	20120.0	--
	Blue Mesa	829.5	608.6	340.0	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City	To Begin February 1st	
Virgin nr Virgin		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	12/28	28	6.1	0.7	3.2b
Brian Head	12/30	52	14.9	--	8.8b
Harris Flat	12/30	29	8.0	2.3	3.0
Kolob-Crystal	12/30	60	18.0	3.2	8.3a
Little Grassy	12/30	6	2.0	--	0.8a
Long Flat	12/30	28	7.8	0.1	2.1a

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	12/30	28	8.1	1.3	1.5
SUSC Ranch	12/28	36	9.2	0.2	3.4b
Tall Poles	12/28	46	11.2	3.3	6.0b
Webster Flat	12/30	50	15.2	--	6.6
Yankee Reservoir	12/30	30	6.8	--	4.1a

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX OCT 1 TO DATE This Year	FROM APPROX OCT 1 TO DATE Average +	FROM APPROX OCT 1 TO DATE Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	12/29	14	1.7	--	--	12/29	--	--	5.02	--	--
CCC Camp	12/29	27	5.0	6.4	--						
Hayden Fork	12/29	23	5.0	11.3*	6.4[a]	12/29	--	--	5.63	--	--
Monte Cristo R.S.	12/28	41	11.0	18.2	9.6[a]	12/28	--	--	11.70	11.07[b]	106
Salt River Summit	12/29	32	6.4	9.8	5.9	12/29	3.18	--	--	7.17	
Stillwater Camp	12/29	21	3.5	--	--	12/29	--	--	6.48	--	--
Lily Lake	12/29	28	5.8	8.5	--	12/29	--	--	6.84	--	--
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	12/28	31	7.2	15.1	7.7[a]	12/28	--	--	6.66	--	--
Cub River R.S.	12/27	19	5.0	--	3.4[a]						
Emigrant Summit	1/3	45	13.5	12.8	9.4[b]						
Franklin Basin	12/27	39	10.7	18.5	9.9[a]	1/1	5.10[a]	--	13.50[a]	--	--
Garden City Summit	12/27	29	7.5	--	6.9	12/27	--	--	9.25	8.06	115
Klondike Narrows	12/27	34	8.2	--	7.1	12/27	--	--	10.79	9.92[b]	109
Little Bear (lower)	12/28	28	6.2	--	4.8[a]	--	--	--	--	--	--
Little Bear (upper)	12/28	37	7.0	--	5.8[a]	12/28	2.57	--	15.30	--	--
Slug Creek Divide	12/29	29	7.4	10.6	7.5[b]						
Steep Hollow #1	12/27	61	17.0	--	13.6[b]						
Steep Hollow #2	12/27	46	12.1	--	9.1[b]						
Tony Grove Lake	12/27	55	15.4	22.1	12.5[a]						
Tony Grove R.S.	12/27	25	5.7	--	4.1	12/27	--	--	8.53	8.24[b]	104
Willow Flat	12/27	31	7.7	--	5.9[a]	12/27	--	--	14.53	14.14[b]	103
OGDEN RIVER											
Beaver Creek-Skunk Creek	12/28	27	6.5	--	4.4						
Ben Lomond Peak	12/28	71	21.8	20.5	12.4						
Ben Lomond Trail	12/28	42	12.2	12.1	5.4[a]						
Causey Dam	12/28	--	--	--	--	12/28	--	--	6.77	6.62[b]	102
Dry Bread Pond	12/28	34	9.1	11.3	6.9[a]	1/1	3.20[a]	--	9.30[a]	--	--
Sagebrush Flat	12/28	15	3.1	--	1.9	12/28	--	--	5.11	--	--
WEBER RIVER											
Beaver Creek R. S.	12/29	19	3.9	--	3.6						
Chalk Creek #1	12/29	44	11.0	--	9.3[a]	1/1	3.50[a]	--	11.80[a]	--	--
Chalk Creek #2	12/29	34	7.0	8.9	6.6[a]	1/1	2.30[a]	--	7.80[a]	--	--
Chalk Creek #3	12/29	20	3.6	--	3.6[a]	12/29	--	--	7.61	6.76[a]	113
Farmington Canyon (lower)	12/28	46	12.6	--	9.3[b]						
Farmington Canyon (upper)	12/28	57	17.3	18.4	12.9[b]	12/28	8.00[a]	--	17.06[a]	--	--
Farmington G.S.						12/28	Vandalized				
Horse Ridge	12/28	37	9.7	--	7.9[a]	1/1	4.20[a]	--	12.70[a]	--	--
Kilfoil Creek	12/28	33	7.5	--	--						
Lost Creek Reservoir	12/28	12	2.6	--	--						
Parley's Canyon Summit	12/28	40	8.7	10.7	7.9	12/28	5.54	--	10.73	10.49	102
Redden Mine (lower)	12/29	36	9.2	--	--	12/29	--	--	10/43	--	--
Smith & Morehouse	12/29	27	7.0	6.9	5.2	12/29	--	--	8.46	8.35	--
Hardscrabble	12/28	38	10.2	--	--						
Pine Canyon	12/28	32	9.6	--	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	12/29	23	5.1	6.5	6.2[a]	1/1	2.60[a]	--	8.60[a]	--	--
Camp Altamont	12/29	42	12.9	3.9	6.5						
Clear Creek Ridge #1	12/27	37	8.5	10.3	7.2[a]	1/1	3.60[a]	--	12.00[a]	--	--
Clear Creek Ridge #2	12/27	34	6.8	9.3	5.8[a]	12/27	--	--	10.21	7.31[b]	--
Clear Creek Ridge #3	12/27	21	4.1	--	3.1[a]						
Dutchman R.S.	12/29	47	13.7	6.2	7.2[a]	12/29	--	--	14.65	--	--
Hobble Creek Summit	12/27	35	8.1	--	5.8[a]	12/27	--	--	12.10	--	--
Payson R.S.	12/31	42	12.4	9.0	8.0	12/31	Frozen	--	--	8.74	--
Soapstone R.S.	12/29	22	4.0	--	5.3						
South Fork R.S.	12/28	24	7.8	4.0	2.6						
Timpanogos Cave Camp	12/28	7	2.0	2.0	1.2						
Timpanogos Divide	12/29	55	16.0	5.4	10.8	12/29	7.80	--	18.95	--	--
Trial Lake	12/29	40	10.8	16.0	10.3	12/29	--	--	13.94	11.49	121

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* 1958-1972 per

SNOW / PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX OCT 1 TO DATE: This Year	FROM APPROX OCT 1 TO DATE: Average +	FROM APPROX OCT 1 TO DATE: Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin	Not Scheduled										
Lamb's Canyon #2	12/28	39	8.9	8.7	7.8[b]	12/28	--	--	8.42	9.72[b]	--
Middle Canyon	12/31	38	9.5	5.5	6.1[b]						
Mill Creek	12/29	40	9.4	11.1	8.1[b]						
Mill D South Fork	12/29	44	11.5	11.9	8.2						
Rocky Basin-Settlement	1/1	92[a]	23.0[a]	--	--	1/1	6.20[a]	4.98	16.0[a]	12.67	126
Silver Lake (Brighton)	12/29	53	14.8	15.4	10.3	--	--	--	--	12.71	--
Vernon Creek	12/31	35	8.8	3.6	3.7[b]						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Black's Fork G.S.-East Fork	12/29	16	2.7	--	3.4[b]	12/29	--	--	5.98	--	--
Black's Fork Junction	12/29	18	2.7	--	3.3[b]						
Burnt Creek	12/29	21	4.1	1.4	1.7[a]	12/29	2.86	--	6.26	4.49[b]	139
Grizzly Ridge	12/29	35	9.2	2.4	4.7[a]	12/29	5.60	--	11.60	6.31[b]	184
Hewinta G.S.	12/29	18	2.9	--	3.4[b]	12/29	--	--	6.38	--	--
Hickerson Park	12/30	24	2.7	--	1.9[b]						
King's Cabin (upper)	12/30	35	8.9	5.0	5.0[a]	12/30	--	--	9.05	--	--
Spirit Lake	12/30	33	5.4	--	4.9[b]	12/30	--	--	9.67	--	--
Steel Creek Park	12/29	36	7.7	11.4	6.3[a]	12/29	--	--	5 58	--	--
Trout Creek	12/30	37	10.2	--	--	12/30	--	--	9.90	--	--
DUCHESNE RIVER											
Atwood Lake (A)	1/4	34	9.0	--	--						
Brown Duck Ridge	12/30	50	14.3	12.2	7.5[a]	12/30	--	--	10.66	--	--
Chepeta	12/30	38	9.9	6.6	--	12/30	2.30[a]	--	9.30[a]	--	--
Currant Creek	12/27	27	6.5	4.6	4.0[a]	12/27	--	--	8.28	--	--
Daniels-Strawberry Summit	12/27	34	9.8	9.2	5.6	12/27	--	--	10.54	8.44	125
East Portal	12/30	34	6.9	7.8	4.5	12/30	1.86	--	9.60	7.80	123
Five Points Lake (A)	1/4	40	11.2	--	--						
Indian Canyon	12/27	40	9.8	5.0	5.2	12/27	--	--	--	6.28	--
Jackson Park	12/30	42	11.4	--	7.7[a]	12/30	--	--	10.02	--	--
Lakefork Basin (A)	1/4	44	11.9	--	--						
Lakefork Mountain #1	12/30	35	8.5	5.4	5.8[a]	12/30	--	--	8.96	--	--
Lakefork Mountain #3	12/30	24	5.7	--	3.2[a]						
Lightning Lake (A)	1/4	51[a]	13.7[a]	15.3	--						
Mosby Mountain	12/30	33	8.9	6.3	4.2	12/30	--	--	10.22	6.59[b]	155
Paradise Park	12/30	43	12.4	--	5.4	--	--	--	--	8.26	--
Rock Creek Ranch	12/30	26	5.9	4.5	3.2[a]	12/30	--	--	7.51	--	--
Strawberry Divide	12/30	39	9.5	10.4	7.8	1/1	3.30[a]	--	12.70[a]	--	--
PRICE RIVER											
Dry Valley Divide Alternate	12/27	28	6.2	--	4.5[a]						
Mud Creek	12/28	32	6.9	--	5.7		Vandalized				
White River #1	12/27	32	8.0	--	5.4[a]	12/27	--	--	8.43	6.50	130
White River #3	12/27	22	4.1	--	3.4[a]						
SAN RAFAEL RIVER											
Buck Flat	12/29	42	12.1	6.3	6.1[a]	1/1	4.40[a]	--	11.50[a]	6.30	182
Huntington-Horseshoe	12/28	54	16.8	--	8.8[a]						
Orange Olsen	12/28	22	4.0	--	1.1[a]						
Red Pine Ridge	12/28	43	11.0	11.7	5.6[a]	12/28	2.70[a]	--	12.10[a]	--	--
Seeley Creek R.S.	12/28	36	11.0	8.9	6.2[a]	1/1	2.10[a]	--	6.80[a]	--	--
Stuart R.S.	12/28	23	5.2	--	2.2[a]	12/28	--	--	5.58	--	--
Upper Joe's Valley	12/28	31	6.4	--	3.4[a]						
Wrigley Creek	12/29	30	7.3	--	3.5[a]						
MUDDY RIVER											
Black's Fork	12/29	31	7.8	--	5.1[a]						
Dill's Camp	12/29	29	7.0	7.3	4.6[a]	1/1	3.80[a]	--	9.80[a]	--	--

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+ 1958-1972 period

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DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average †	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	12/29	28	6.5	7.3	4.3[a]	12/29	--	--	5.55	--	--
Fish Lake	12/29	25	5.7	--	3.0[a]	12/29	--	--	--	5.02[b]	--
Johnson Valley	12/29	24	5.0	--	2.4[a]						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	12/29	37	10.4	1.9	5.4[a]	12/29	--	--	12.30	--	--
Camp Jackson	12/29	41	12.5	2.0	5.1[a]	12/29	--	--	13.10	--	--
LaSal Mountain (lower)	12/30	32	7.6	2.2	3.6[a]						
LaSal Mountain (upper)	12/30	49	13.7	5.3	5.5[a]	12/30	--	--	12.15	--	--
Monticello City Park	1/3	6	2.3	--	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	12/29	36	8.9	7.0	5.1[a]						
Bryce Canyon	12/30	23	5.1	2.6	2.1						
Castle Valley	12/30	40	11.4	4.7	6.0[a]	12/30	--	--	10.85	--	--
Duck Creek R.S	12/30	43	12.1	4.3	5.2	12/30	--	--	17.43	8.03	217
Harris Flat	12/30	29	8.0	2.3	3.0	1/1	3.00[a]	--	9.30[a]	--	--
Kimberly Mine	12/31	38	9.8	5.1	6.2	12/30	Frozen	--	--	8.07	--
Midway Valley	12/30	64	20.4	--	8.5	1/1	5.60[a]	--	19.00[a]	--	--
Panguitch Lake	12/30	23	6.3	0.70	2.2[a]	12/30	--	--	7.50	--	--
Squaw Springs	12/29	26	6.1	--	2.9[a]						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	12/29	25	5.7	5.2	4.2[b]	12/29	--	--	8.45	5.84[b]	145
Farnsworth Lake	12/29	44	10.1	10.2	8.0	12/29	--	--	10.20[a]	8.55	119
G.B.R.C. Headquarters	12/28	39	8.2	--	6.8	12/28	--	--	10.37	8.54	121
G.B.R.C. Majors						--	1.70	--	7.10	4.23[b]	168
G.B.R.C. Meadows	12/28	51	15.1	--	9.0[b]	12/28	--	--	9.90	10.14	98
G.B.R.C. Oaks						--	2.10	--	6.90	5.80	119
Gooseberry R.S.	12/29	30	6.0	5.6	5.3	12/29	--	--	7.65	--	--
Mammoth-Cottonwood Creek	12/28	51	13.7	10.6	7.9	1/1	3.50[a]	--	10.50[a]	--	--
Mt. Baldy R.S.	12/29	51	14.5	--	9.2[b]	12/29	--	--	8.17	7.97[b]	103
Oak Creek	12/31	40	10.0	--	--	12/31	--	--	6.67	--	--
Pickle Keg Springs	12/29	37	8.6	8.0	6.4[a]	1/1	4.30[a]	--	12.50[a]	--	--
Pine Creek	12/31	50	14.7	--	7.0[a]	12/31	--	--	12.78	--	--
Ree's Flat	12/31	40	10.3	--	--	12/31	--	--	10.25	--	--
Shingle Mill	1/4	23	6.1	--	4.5[b]	1/4	3.09	--	10.43	7.80[b]	134
Gooseberry Reservoir						12/28	--	--	12.19	--	--
BEAVER RIVER											
Beaver Canyon Power House						--	--	--	--	3.39	--
Beaver Race Track	1/4	6	1.2	--	--						
Big Flat	12/31	46	13.0	9.6	5.9[a]	12/31	--	--	9.37	6.97[b]	134
Merchant's Valley (upper)	12/31	39	9.8	6.5	4.8[a]	12/31	--	--	10.85	6.16[b]	176
Otter Lake	12/31	36	9.7	--	4.5[a]						
PAROWAN CREEK											
Birch Crossing	12/28	28	6.1	0.70	3.2[b]						
Brian Head	12/30	52	14.9	--	8.8[b]						
Tall Poles	12/28	46	11.2	3.3	6.0[b]	12/28	--	--	9.60	7.28[b]	132
Yankee Reservoir	12/30	30	6.8	--	4.1[a]	12/30	--	--	8.45	--	--
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	12/30	6	2.0	--	0.8[a]	12/30	--	--	9.73	--	--
Long Flat	12/30	28	7.8	0.1	2.1[a]	12/30	--	9.30[a]	8.90[a]	--	--
COAL CREEK											
Cedar City Golf Course	12/28	0	0.0	0.0	--						
SUSC Ranch	12/28	36	9.2	0.2	3.4[b]						

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 D

† 1958-1972 pe

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average +
ESCALANTE RIVER					
Widtsoe-Escalante #3	12/29	31	7.3	5.1	4.5
VIRGIN RIVER					
Kolob-Crystal	12/30	60	18.0	3.2	8.3[a]
Long Valley Junction	12/30	28	8.1	1.3	1.5
Webster Flat	12/30	50	15.2	--	6.6

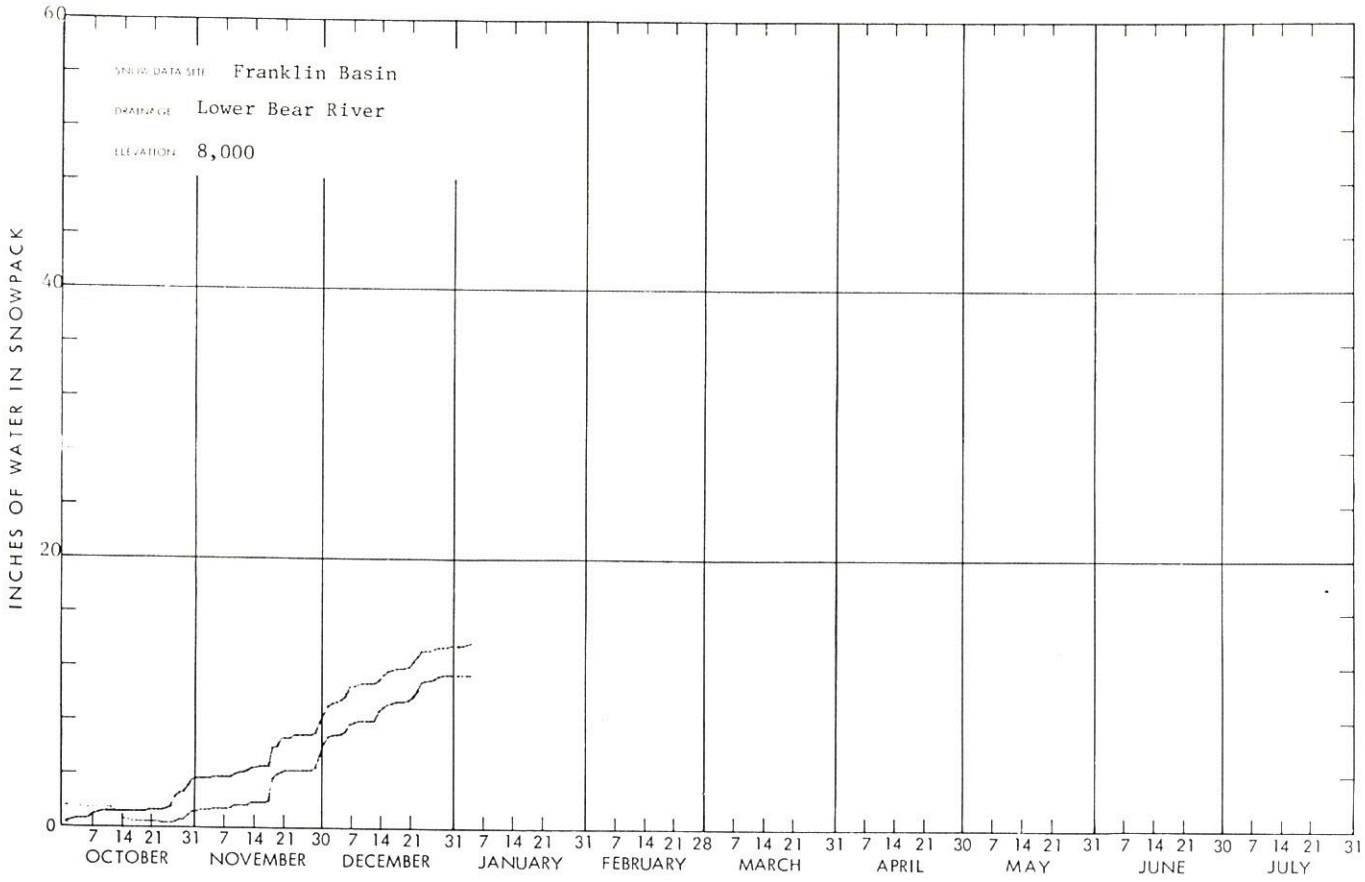
PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
ESCALANTE RIVER						
Widtsoe-Escalante #3	12/29	--	--	5.23	6.01	87
VIRGIN RIVER						
Kolob-Crystal	--	5.90[a]	--	17.50[a]	--	--
Long Valley Junction						
Webster Flat	1/1	4.60[a]	--	13.30[a]	8.14	163

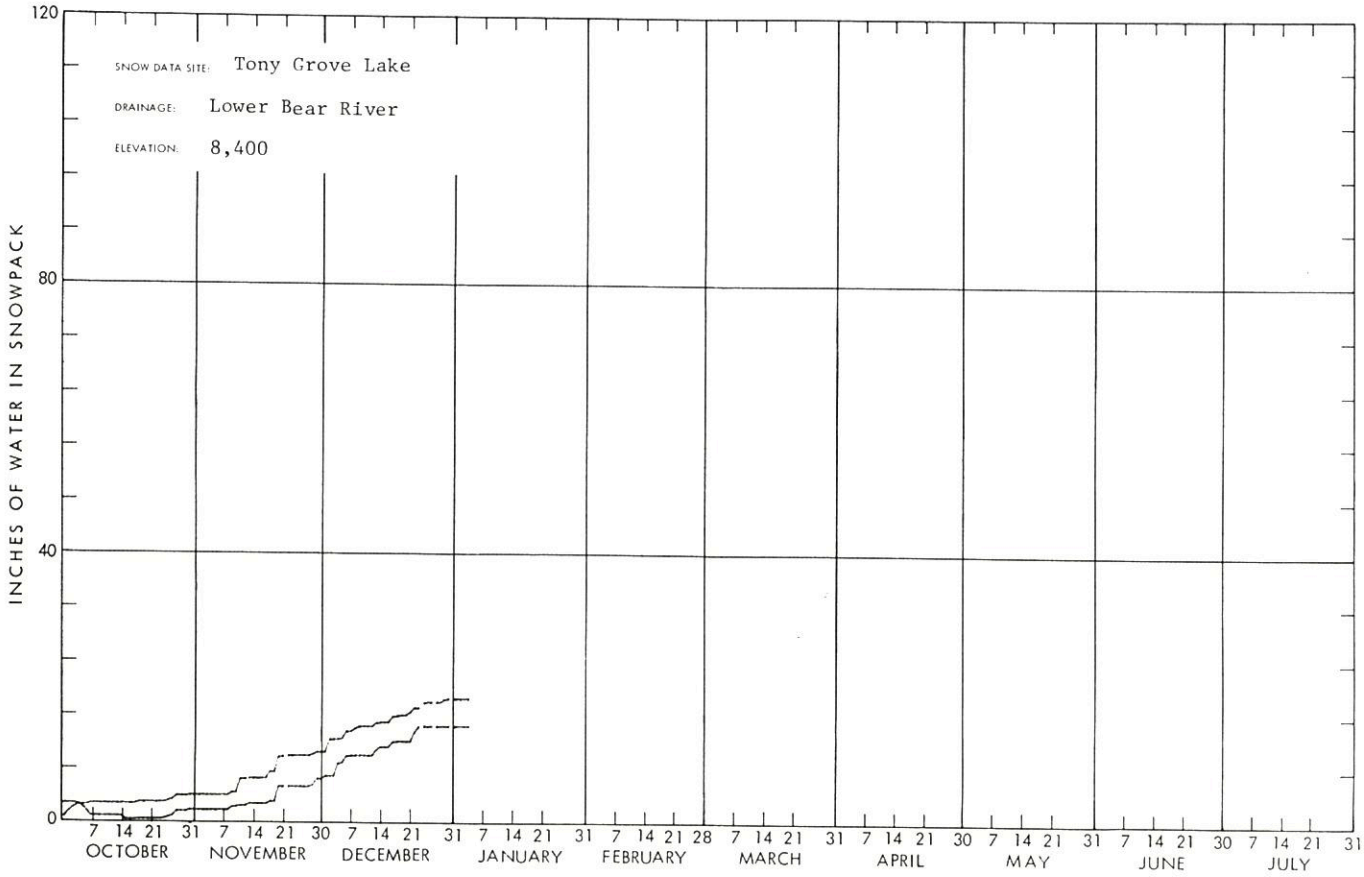
a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period

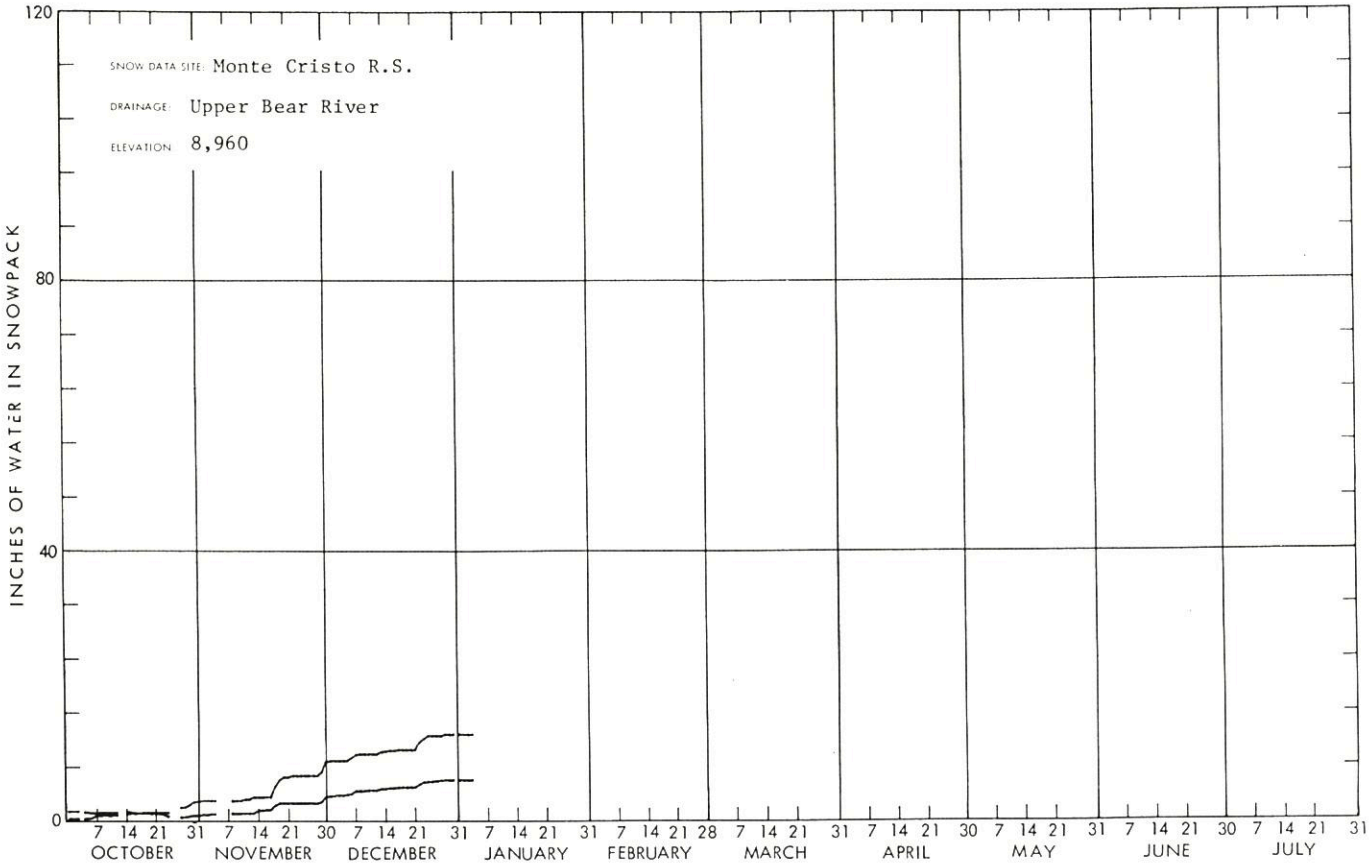
USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D


SNOW DATA SITE: Franklin Basin
DRAINAGE: Lower Bear River
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13D


SNOW DATA SITE: Tony Grove Lake
DRAINAGE: Lower Bear River
ELEVATION: 8,400
INCHES OF WATER IN SNOWPACK
120
80
40
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13D



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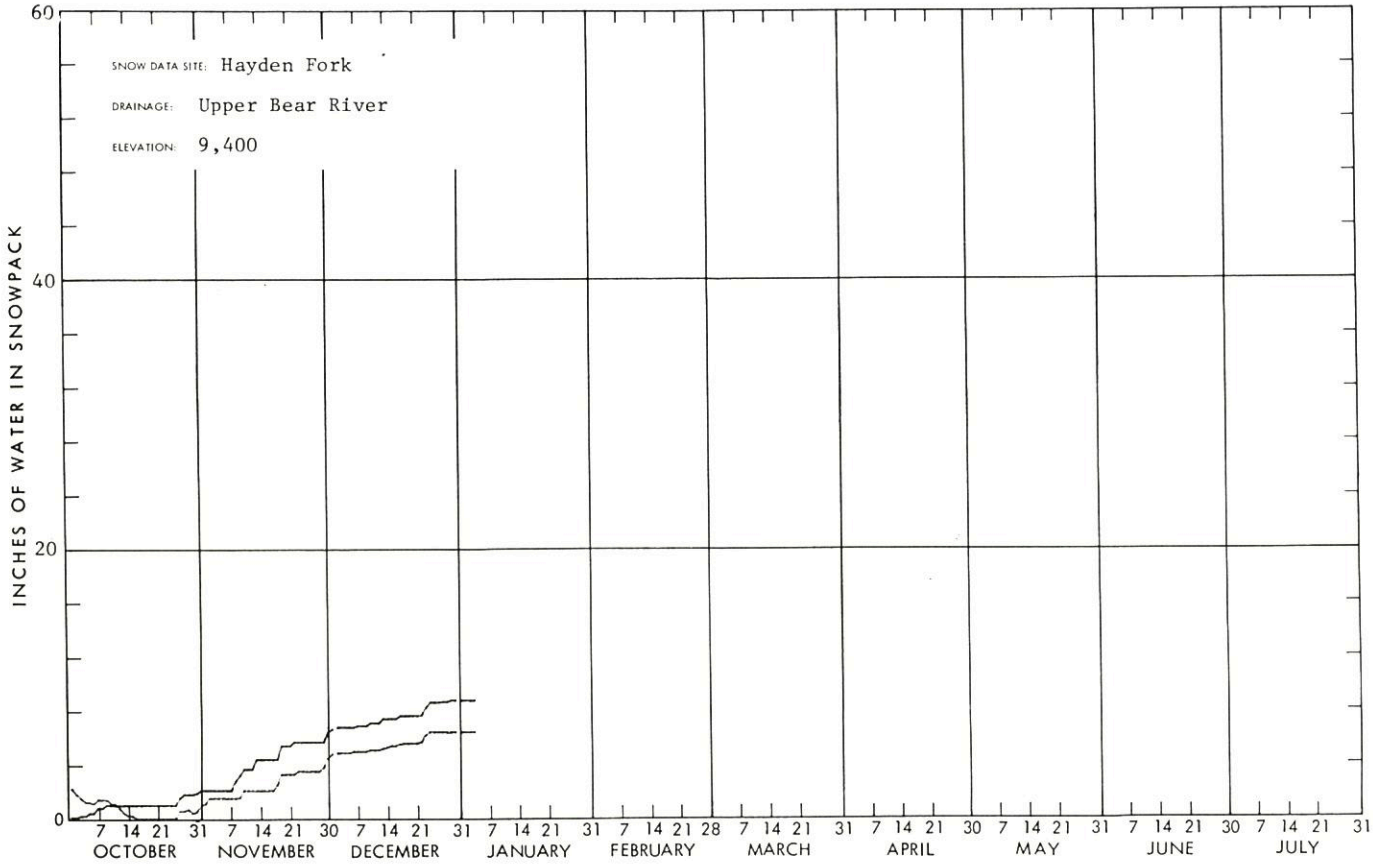

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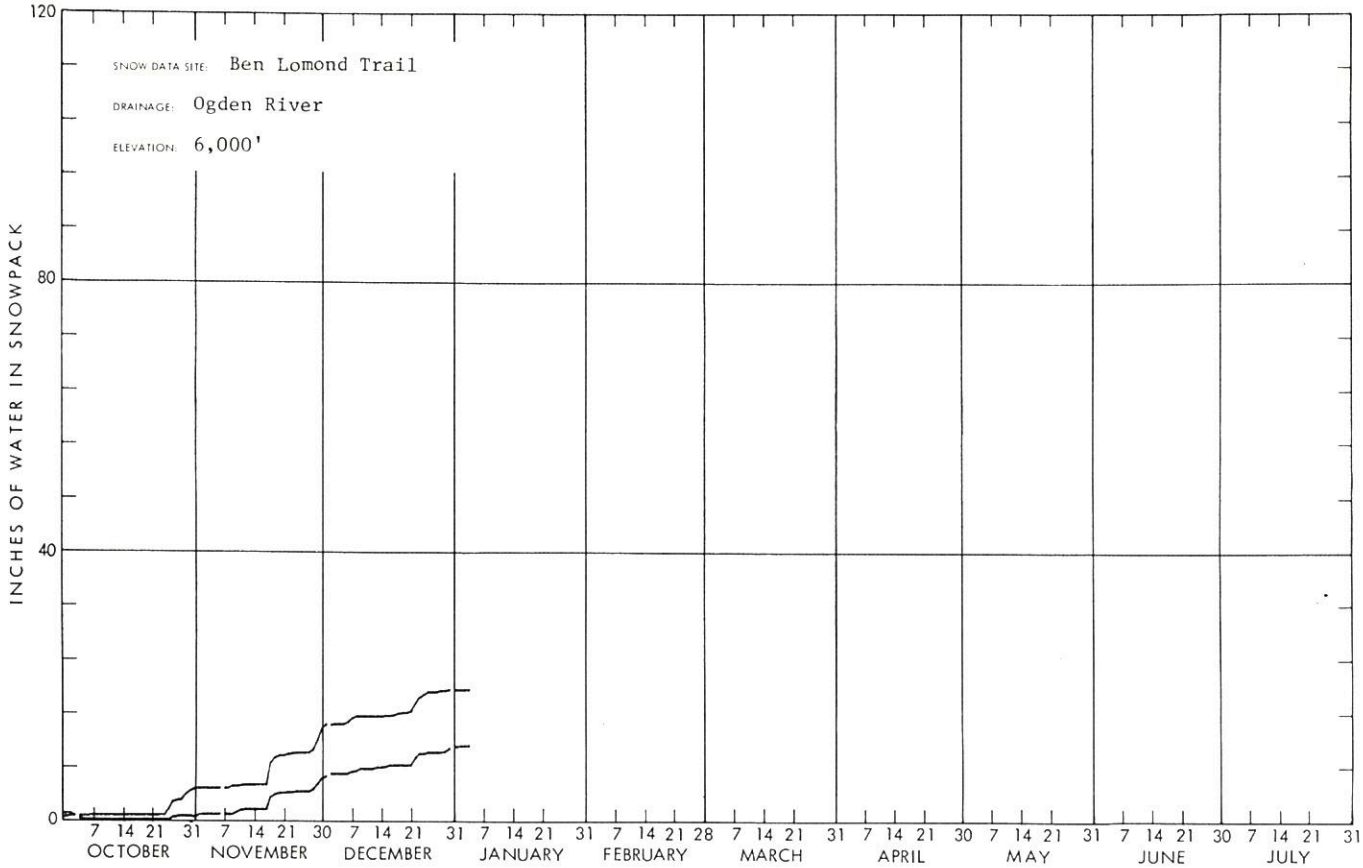

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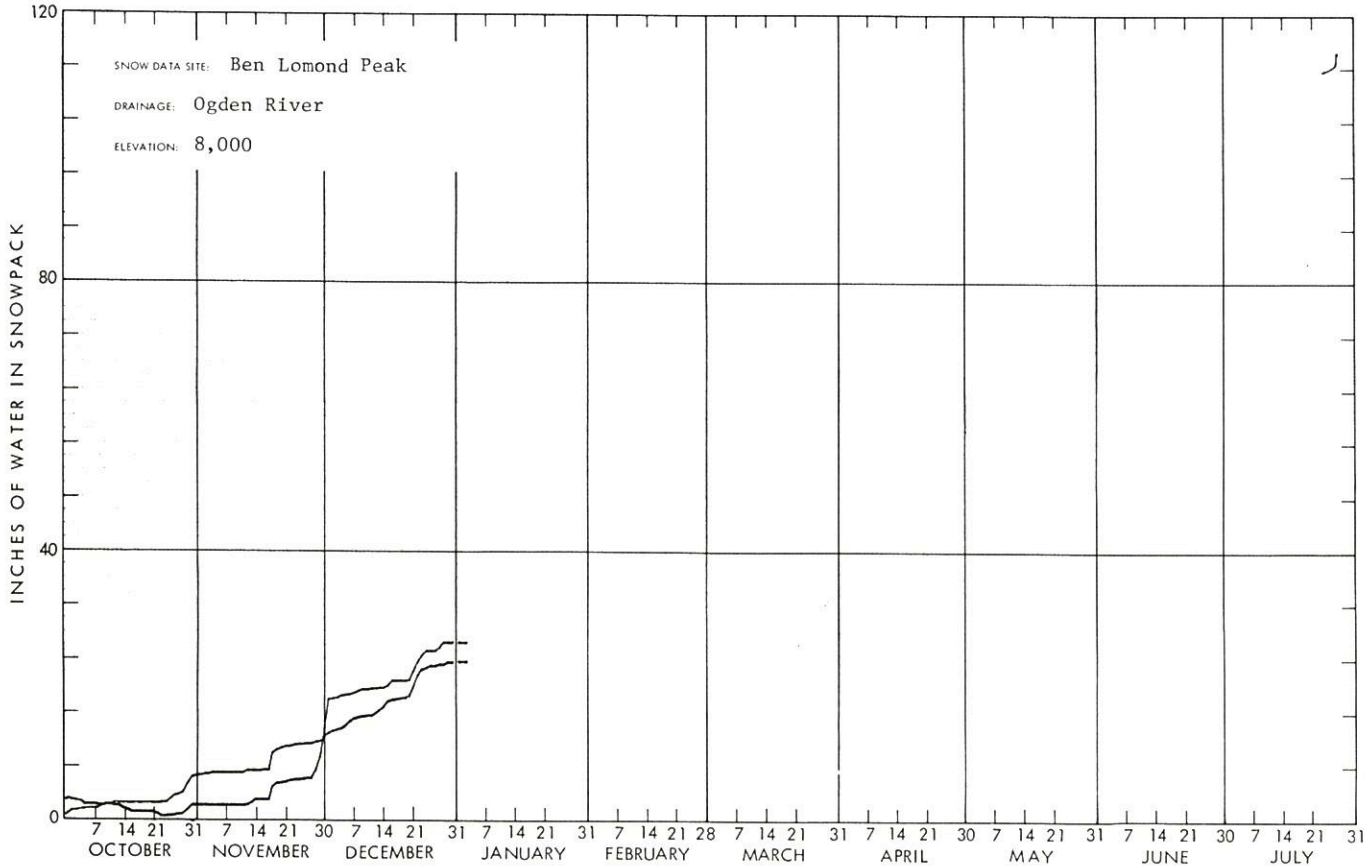

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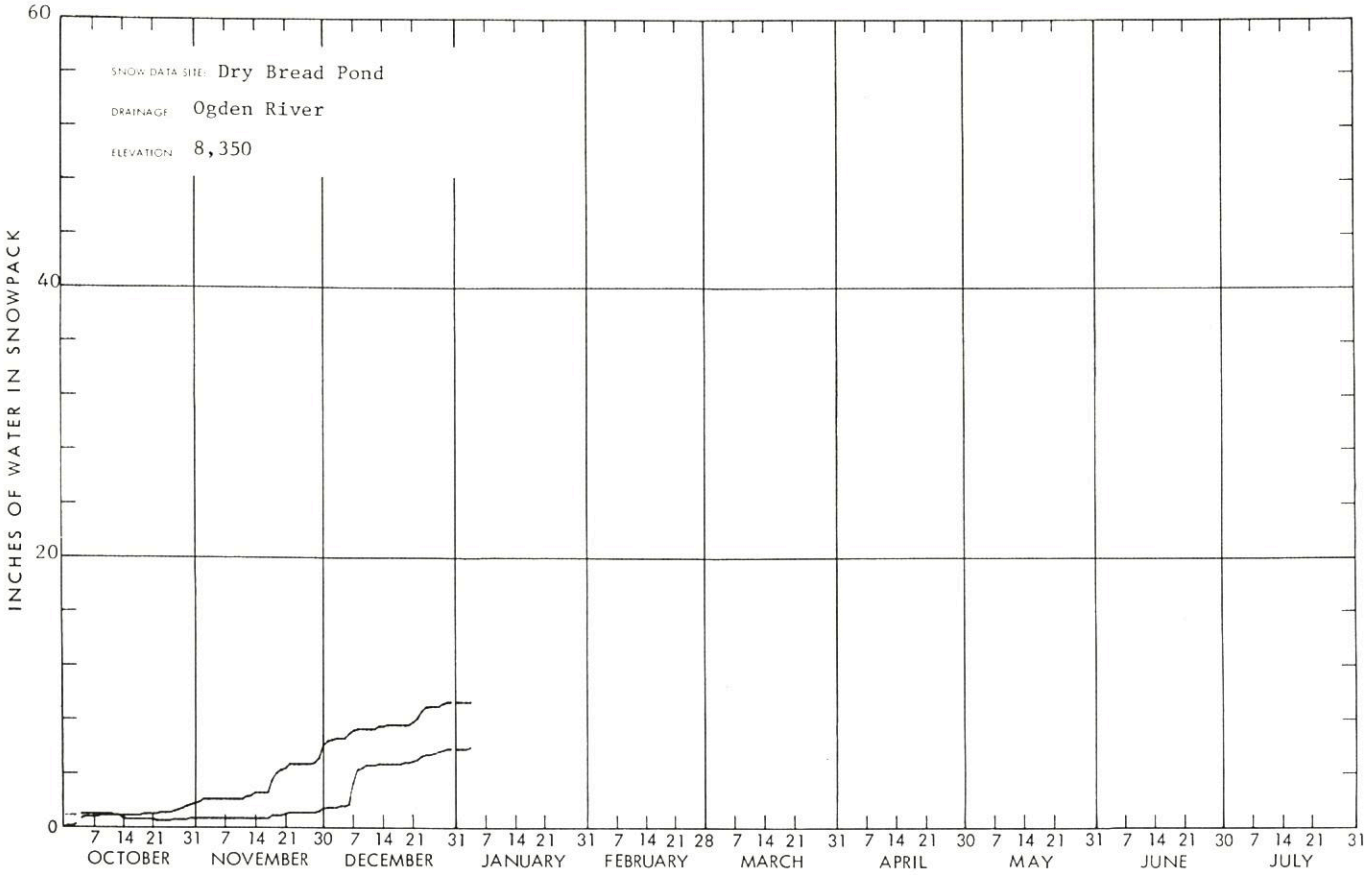

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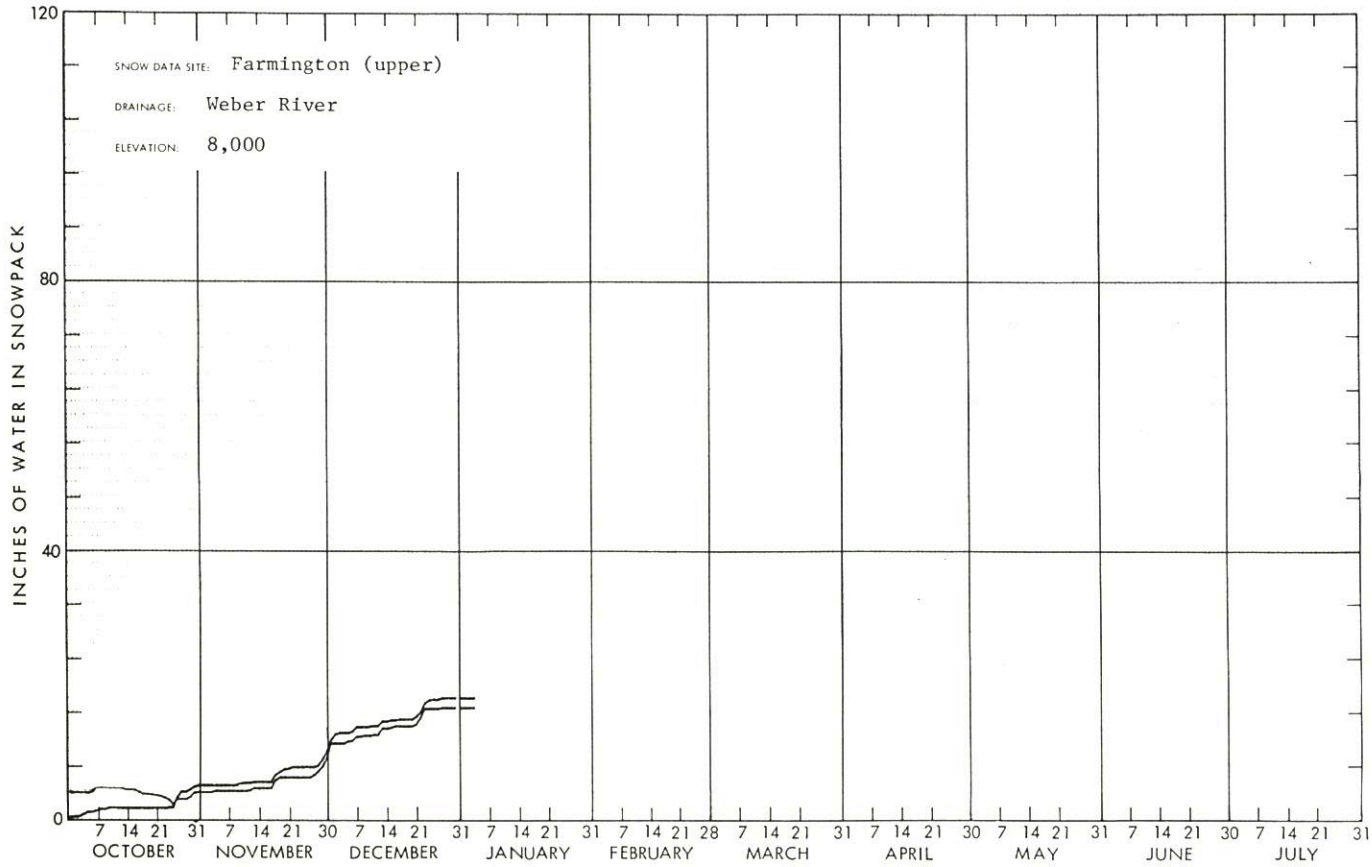

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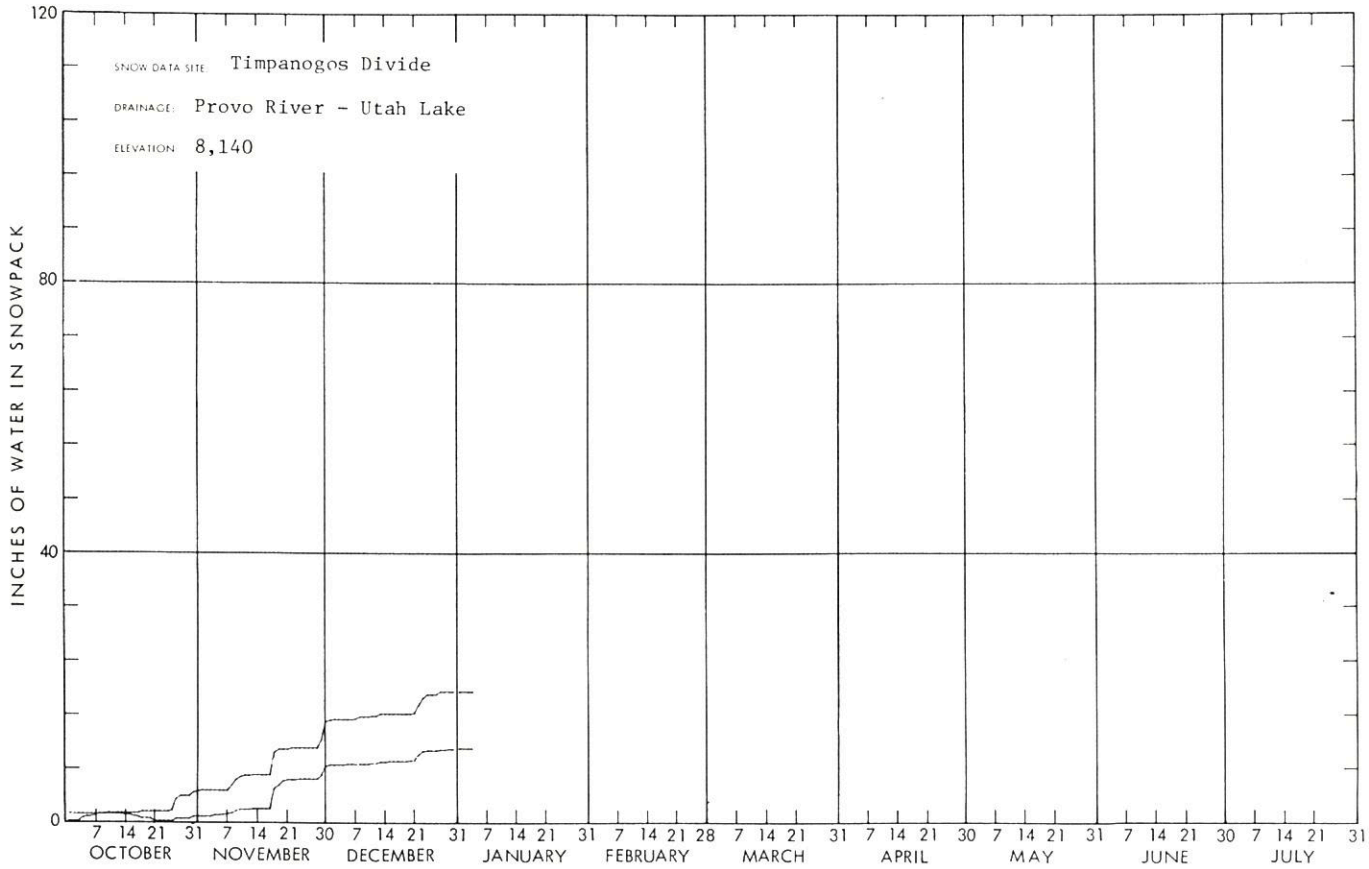

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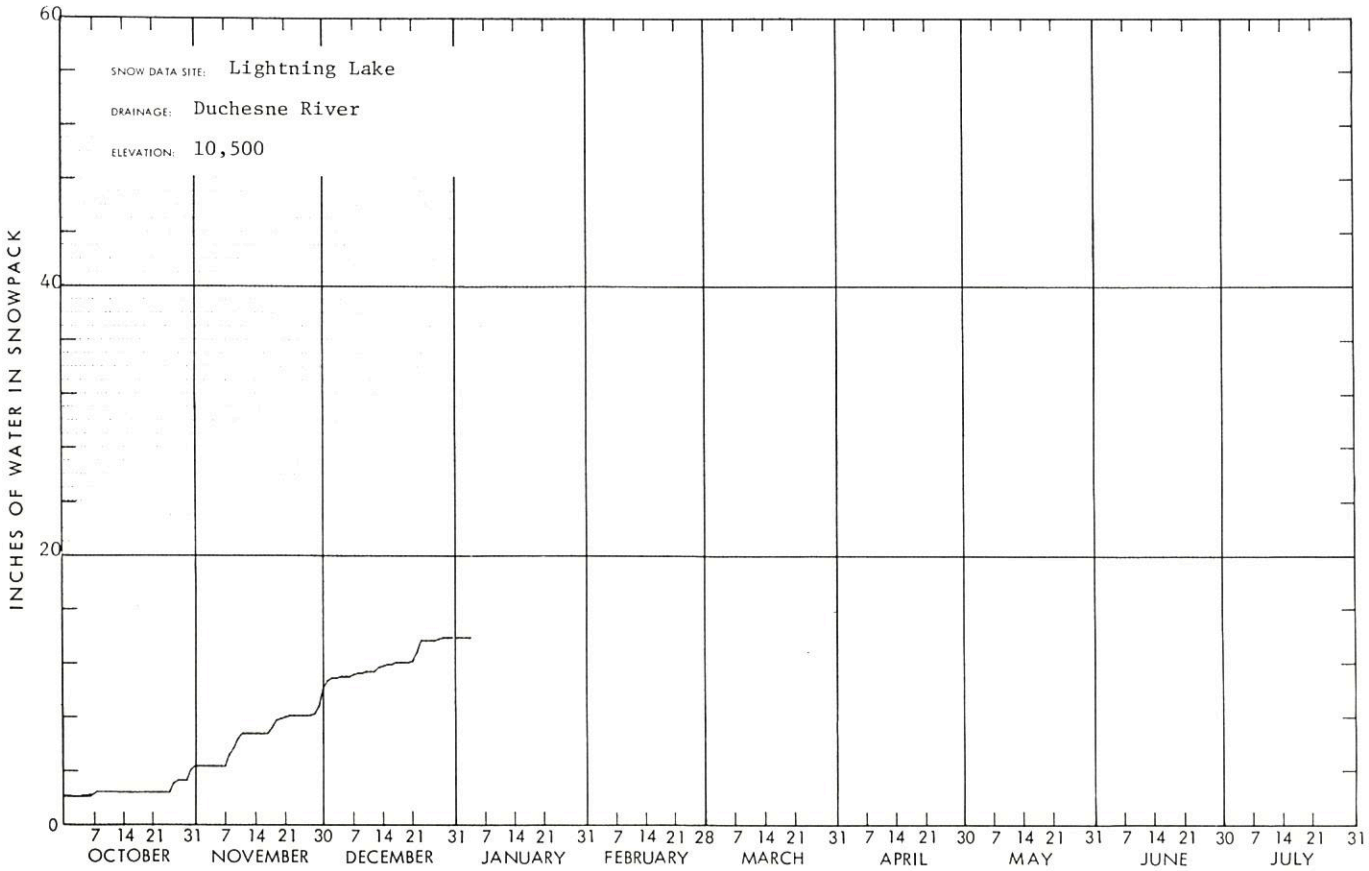

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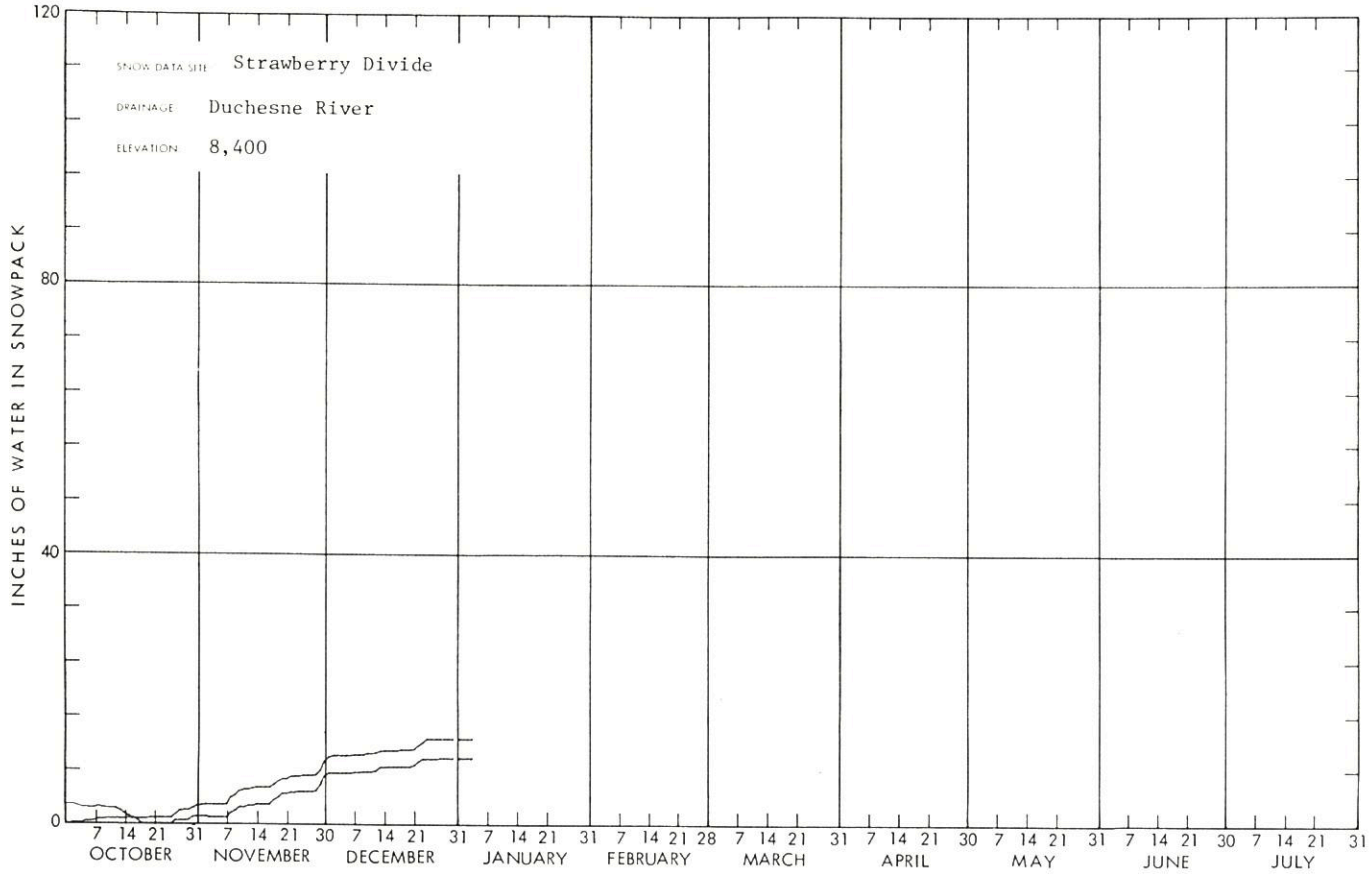

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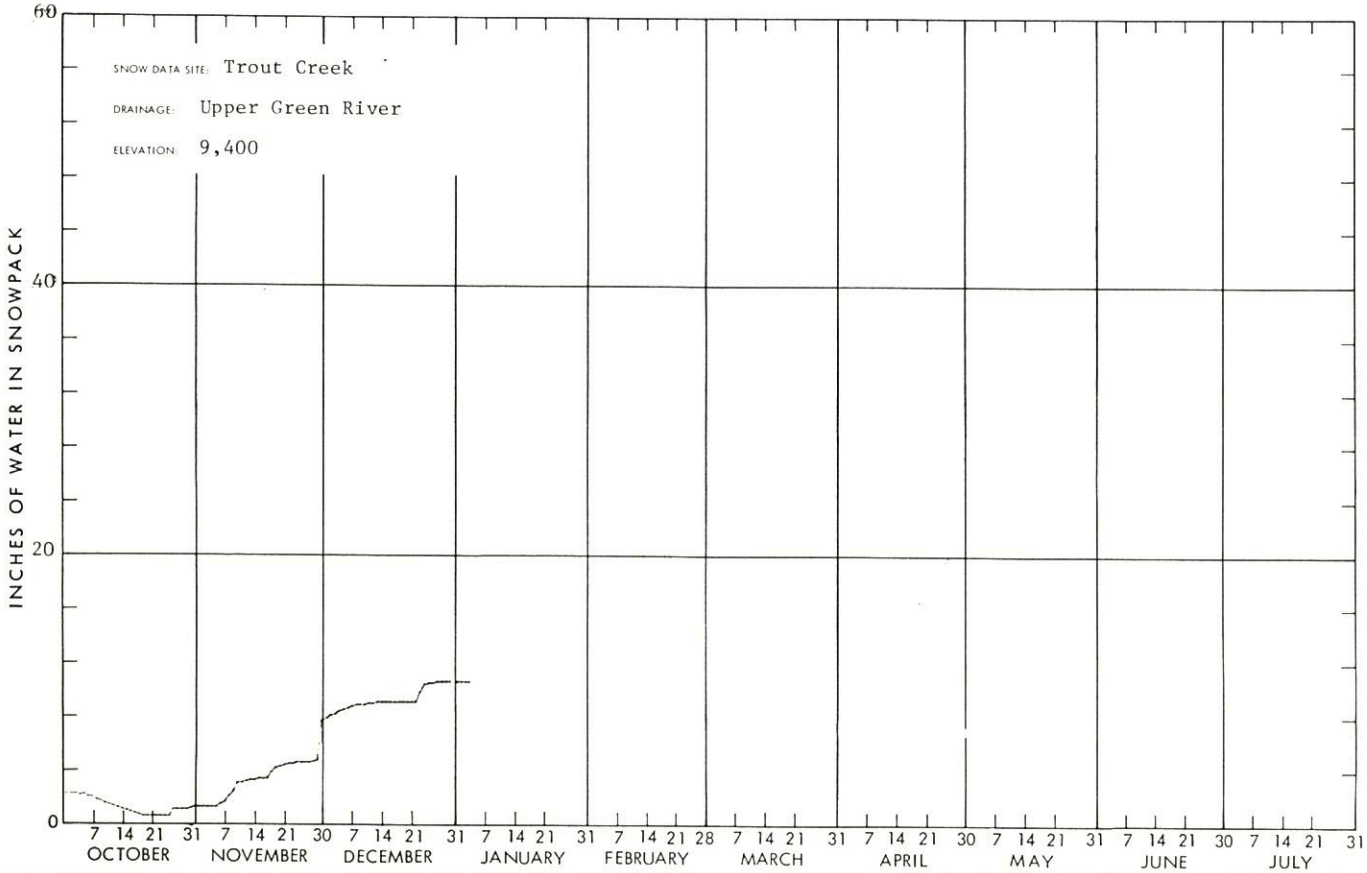

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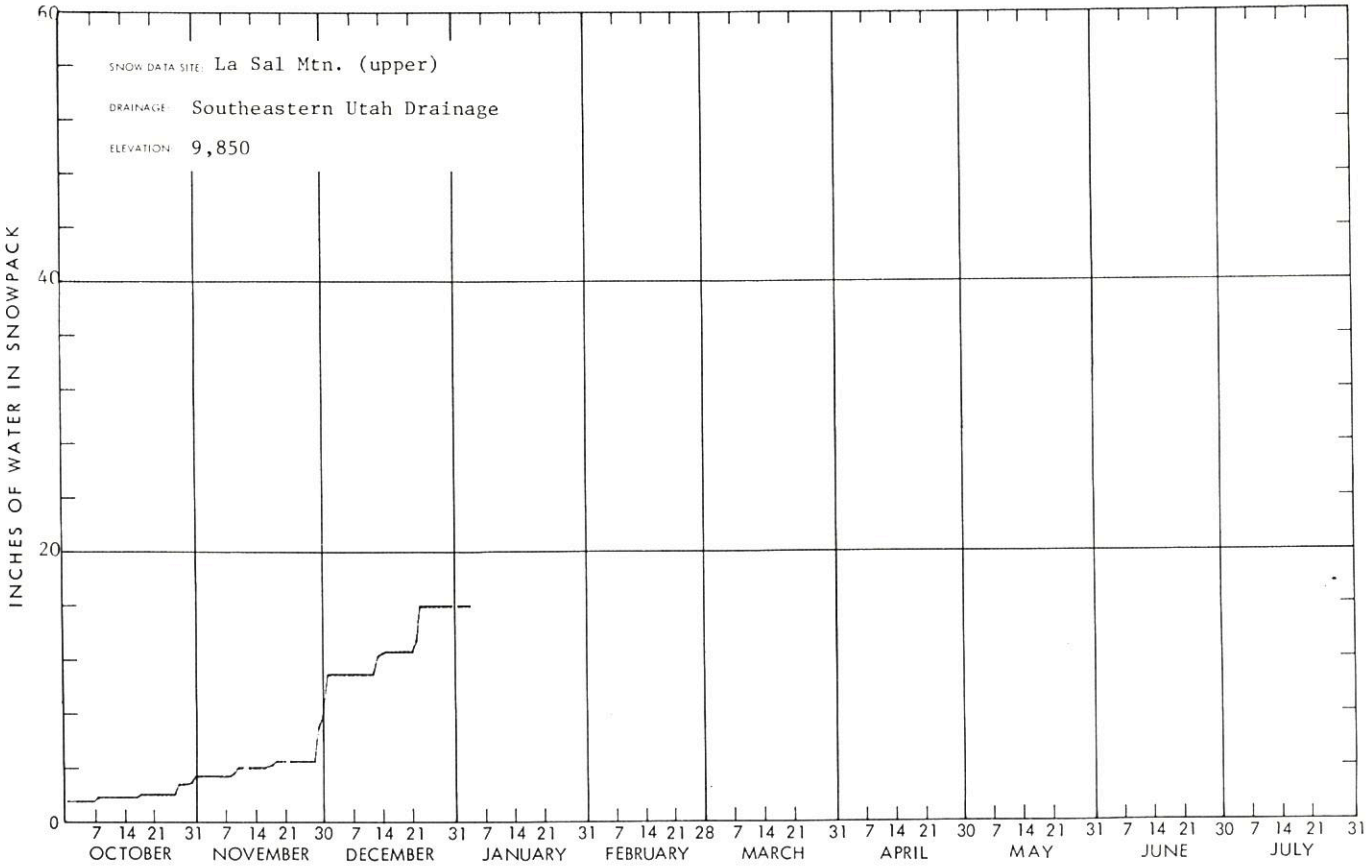

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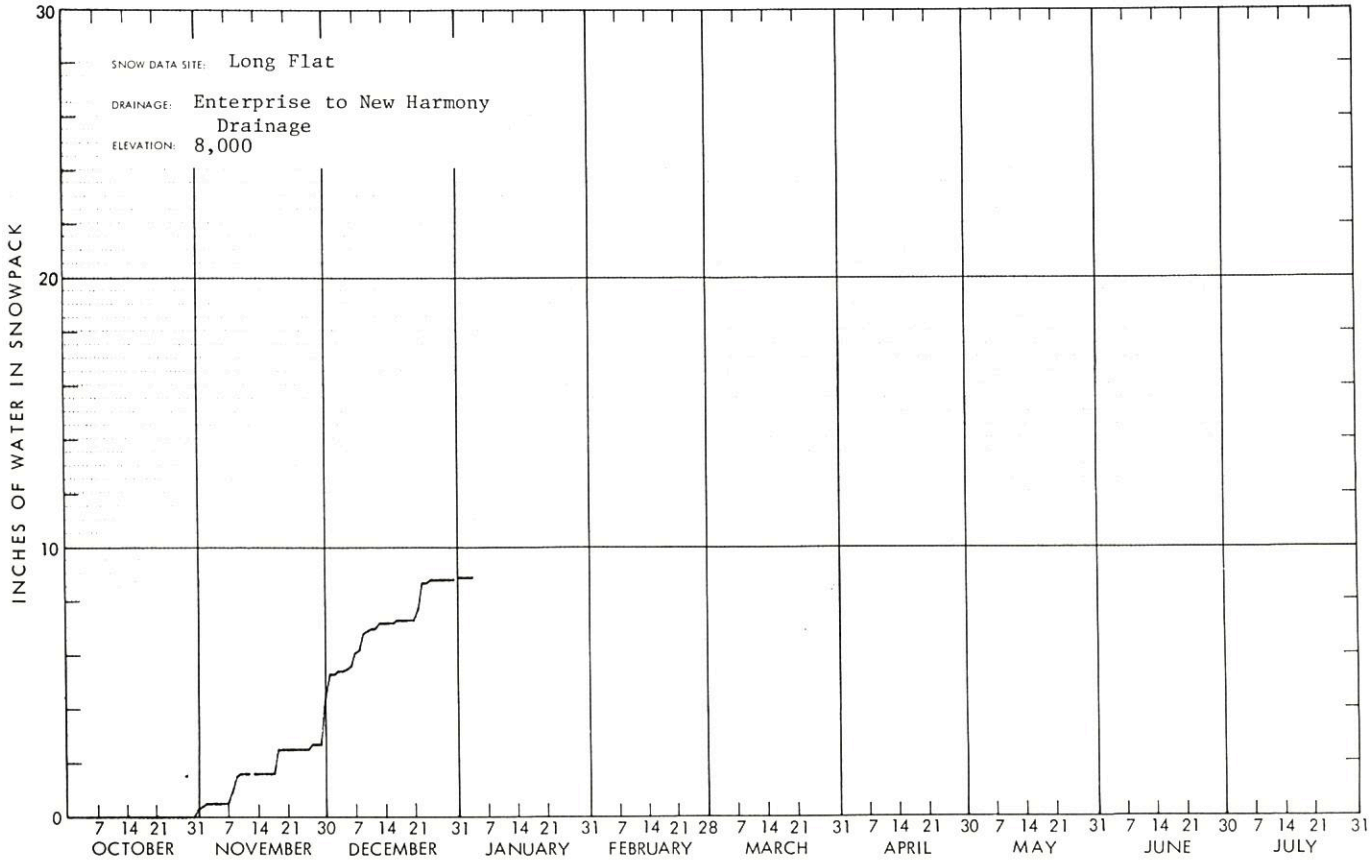

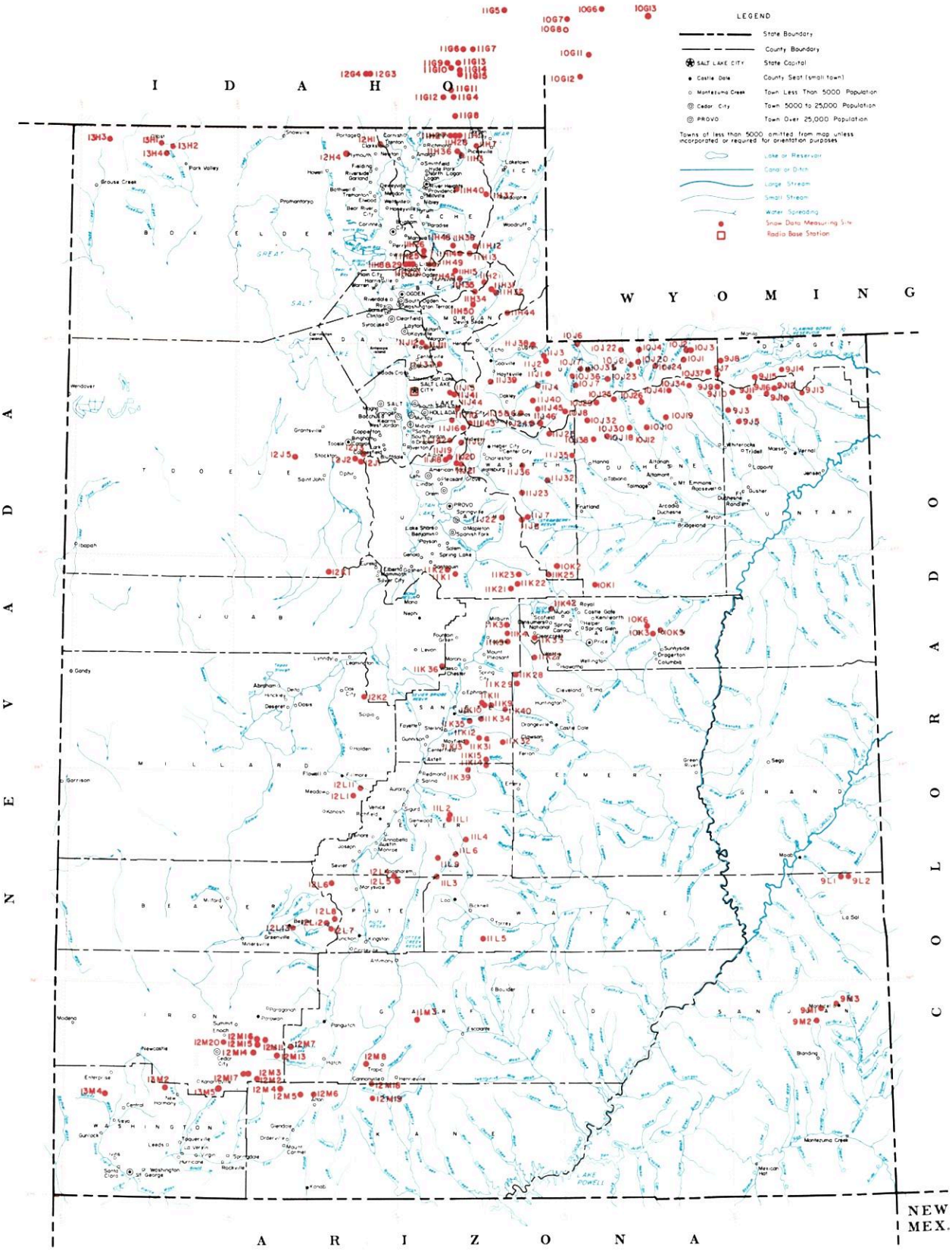

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

USDA SCS PORTLAND, OR 1981 M7-01-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site

United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

February 1, 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

JOHN H. SCHMIDT acting
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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN
State Engineer
Division of Water Rights

DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

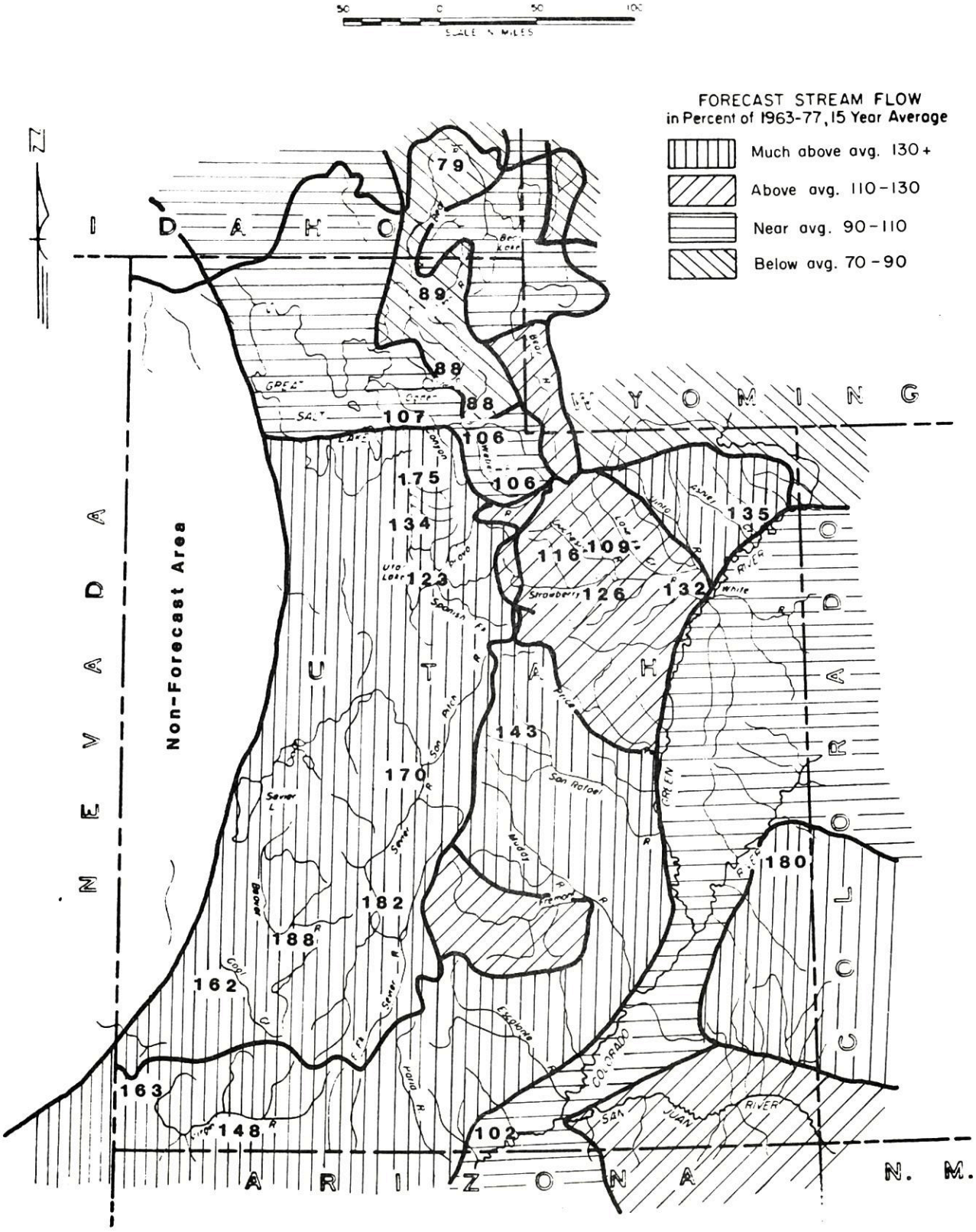
Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

February 1, 1983

Approximate Date



As Of February 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 water supply outlook ranges from below     *
* average for the extreme northern part of the state and *
* north slope of the Uintas to well above average for the *
* central and southwestern part of the state. Basin snow *
* water content precentages range from below average on  *
* the Bear to almost twice average on the Virgin. Soil  *
* moisture and reservoir storage are well above average. *
* Streamflow forecasts range from 70% of average for the *
* Little Bear to 324% of average for Minersville Reservoir*
* Inflow.                                                *
* * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

SNOW COVER

Snow measurements taken the last week of January range from 84% of average on the Bear to 199% on the Virgin River drainage. The Bear River is 77% on the Upper Bear and 87% on the Lower Bear. Ogden River is 101% of the February 1 average, the Weber 94%, Provo-Utah Lake 110%, Duchesne River 131%, Price River 104%, San Rafael 134%, Muddy 143%, Fremont 147%, Upper Sevier 178%, Lower Sevier 131%, Beaver 159%, and Coal Creek 190%.

PRECIPITATION

Precipitation at mountain stations during the October-January period ranges from below average in northern Utah to well above in central and southern Utah.

SOIL MOISTURE

Watershed soils were well primed by fall rains prior to snow accumulation. Wetter than average soils are expected to produce good runoff when snowmelt begins.

RESERVOIR STORAGE

Storage in 26 of Utah's key reservoirs is 132% of the February 1, 15 year average and 89% of useable capacity with many reservoirs releasing or holding reservoir storage down in order to make room for spring runoff.

Utah Lake is 1.68 feet above compromise and 2.66 feet above last February 1. Great Salt Lake is 4,202.1 feet above mean sea level for a rise of 0.45 feet during January. Great Salt Lake is now expected to peak at 4,303 feet above mean sea level. Utah Lake is expected to peak at 2.5 feet above compromise.

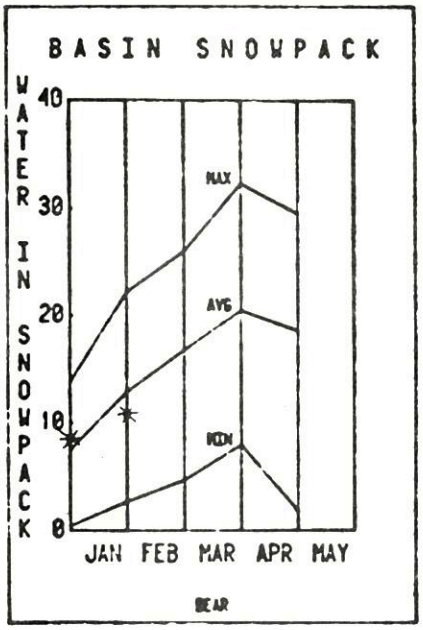
STREAMFLOW FORECASTS

Forecasts range from 70% of the April-June average for the Little Bear near Paradise to 324% of average for Minersville Reservoir Inflow. Forecasts on the Bear, Weber, and Ogden are generally near average. Provo River-Utah Lake and Duchesne River forecasts are above average. Jordan River tributaries, above Salt Lake, and central and southern Utah streams are generally well above average. Green River forecasts range from 80% of average at Flaming Gorge to 97% at Green River. Colorado River forecasts range from 96% at Cisco to 102% for Lake Powell Inflow. February streamflow at the seven key gaging stations was 168% of average according to the U. S. Geological Survey.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	1140.6	904.3	1026.5
	Woodruff Narrows	55.7	33.3	21.9	19.5
	Birch Creek	2.2	--	--	--
	Woodruff Creek	4.0	2.9	--	--
Beaver River	Minersville (RkyFd)	23.3	22.2	16.0	12.0
Little Bear	Hyrum	15.3	10.3	10.2	10.6
	Porcupine	11.3	4.7	1.9	3.0
Ogden	Causey	6.9	1.1	3.4	2.0[b]
	Pineview	110.1	76.9	59.7	52.2
Provo	Deer Creek	149.7	111.6	108.5	107.0
Settlement Creek	Settlement Creek	1.2	1.0	1.2	--
	Vernon Creek	0.6	0.5	0.3	--
Sevier River	Gunnison	18.2	17.0	13.4	11.7
	Otter Creek	52.5	49.4	39.6	29.6
	Piute	71.8	60.4	57.2	40.1
	Sevier Bridge	236.0	222.0	178.7	113.6
	Panguitch Lake	22.3	--	--	--
Spanish Fork	Strawberry	270.0	247.0	174.2	150.8
Utah Lake	Utah Lake	883.9	1047.6	792.0	683.1
Weber	East Canyon	48.1	40.7	33.3	27.6
	Echo	73.9	51.4	47.9	48.5
	Lost Creek	20.0	15.0	12.6	12.9
	Rockport	60.9	50.8	35.7	35.2
	Willard Bay	193.3	128.5	144.2	127.2[b]
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	32.3	21.9	20.5
	Red Fleet	25.7	20.8	--	--
Colorado	Blue Mesa	829.5	538.2	326.0	--
	Lake Powell	25002.0	22408.0	19606.0	--
Green	Flaming Gorge	3749.0	3214.8	2747.0	--
Lakefork	Moon Lake	35.8	30.3	16.6	16.8
Price River	Scofield	65.8	52.9	33.8	34.7
San Juan	Navajo	1696.0	1401.0	1210.0	--
	Ken's Lake	2.7	0.8	--	--
San Rafael	Huntington North	3.9	3.7	1.7	2.4[b]
	Joe's Valley	54.6	47.3	33.3	36.0[b]
	Mill Site	16.7	12.8	5.9	--
Strawberry	Starvation	165.3	128.6	146.6	129.4[b]
Uintah	Bottle Hollow	11.3	11.1	11.3	9.8[b]

b=less than 15 years.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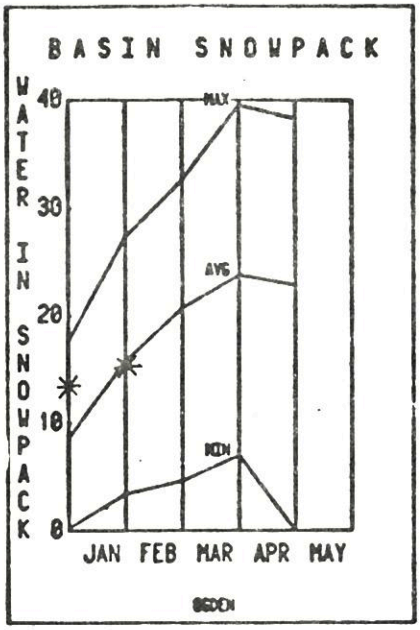
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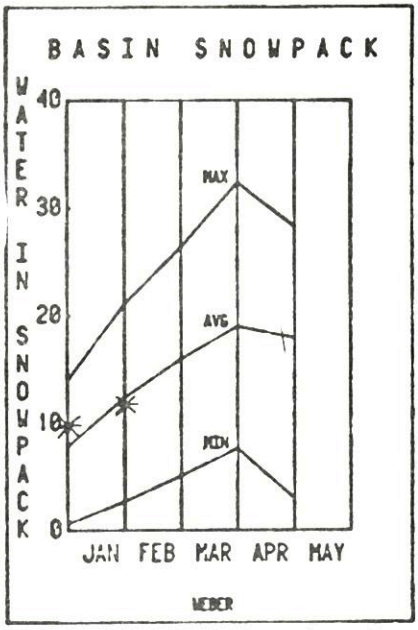
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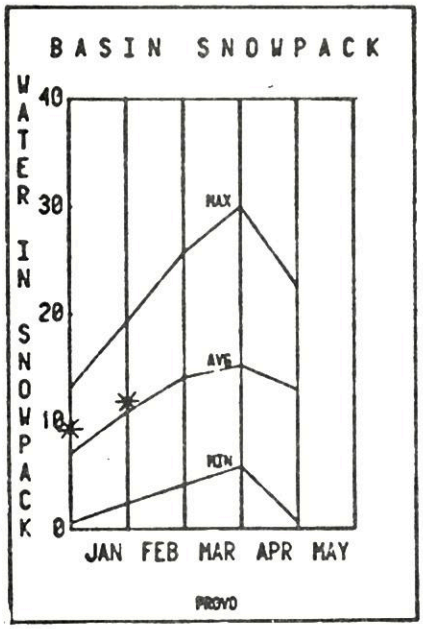
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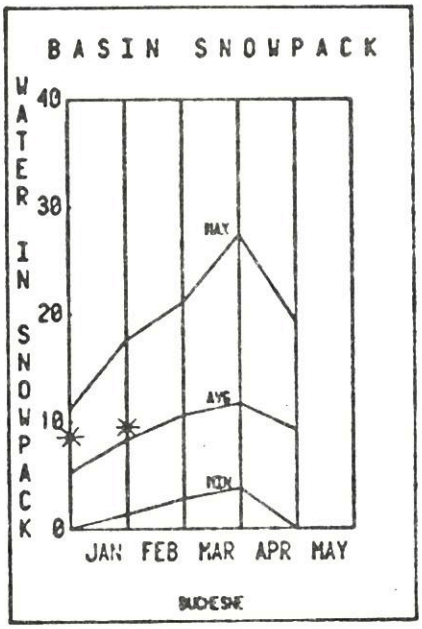
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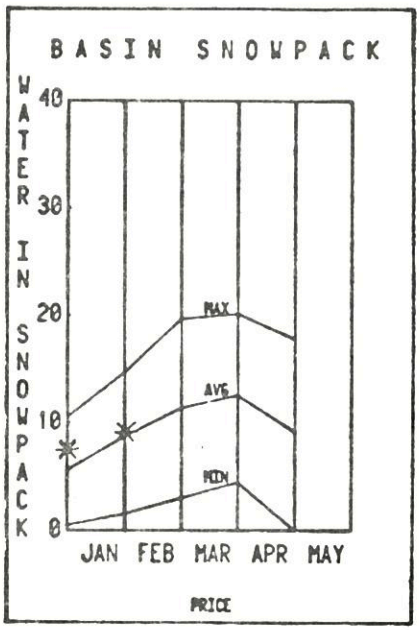
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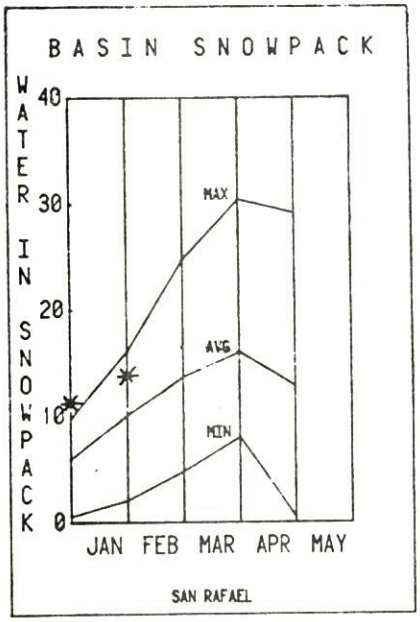
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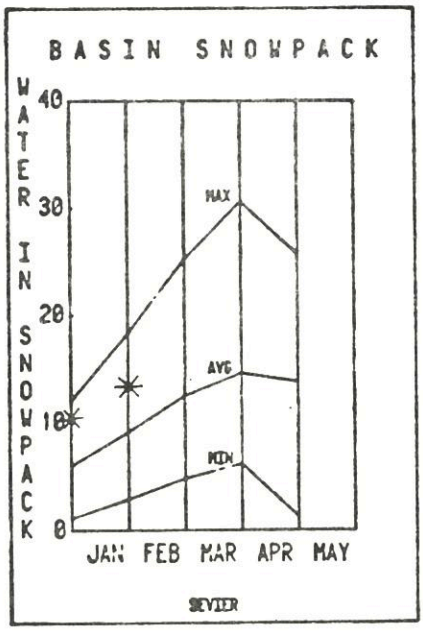
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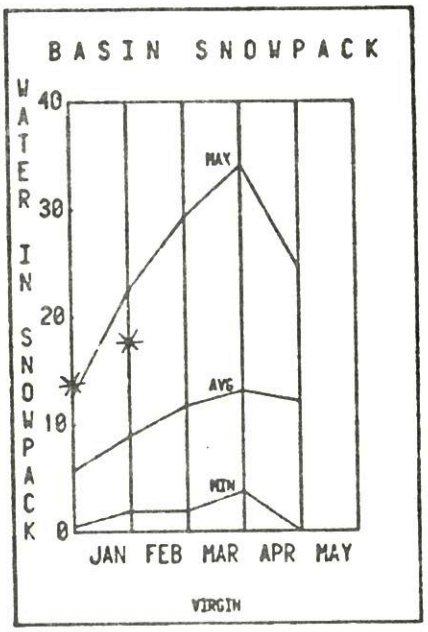
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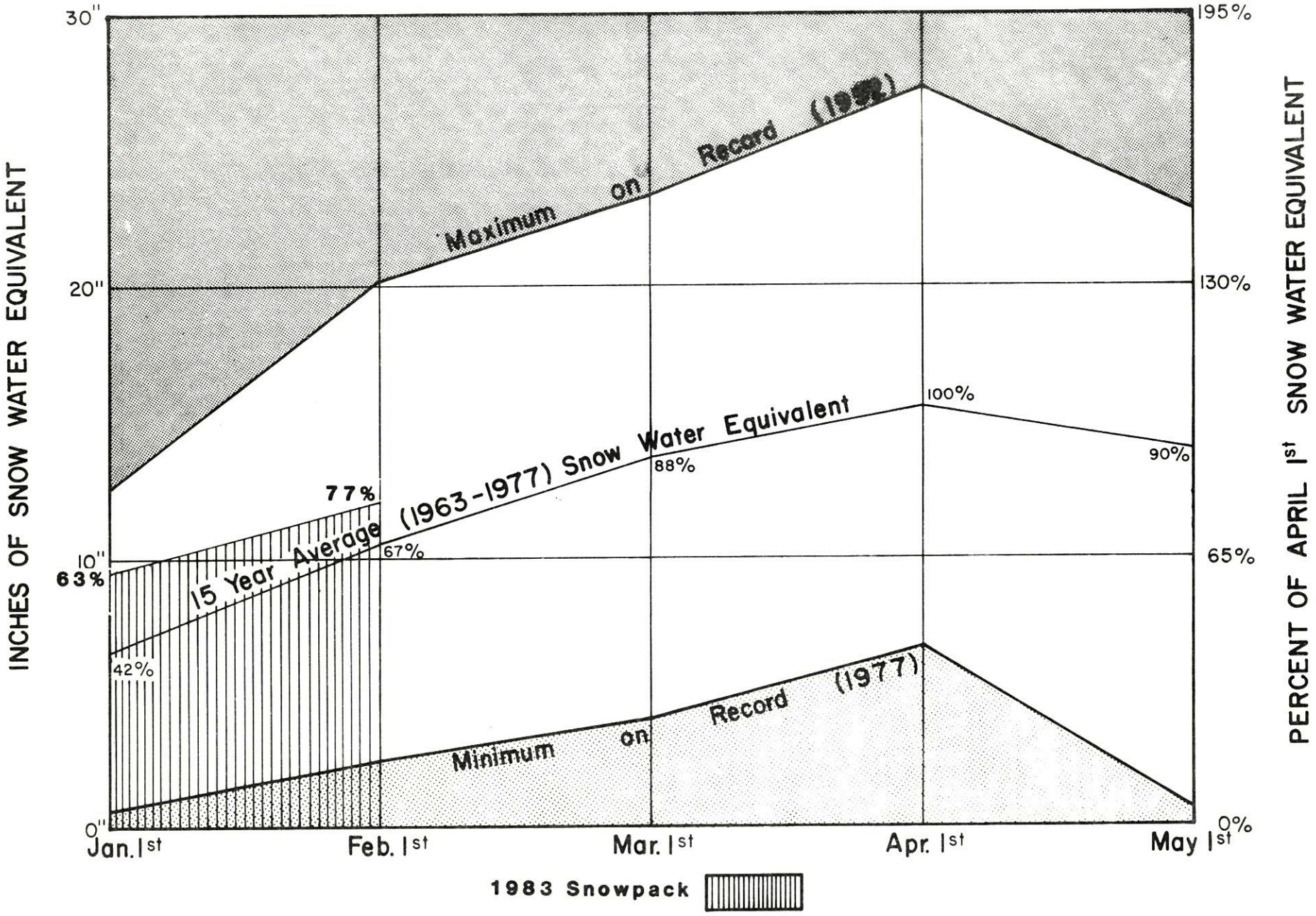
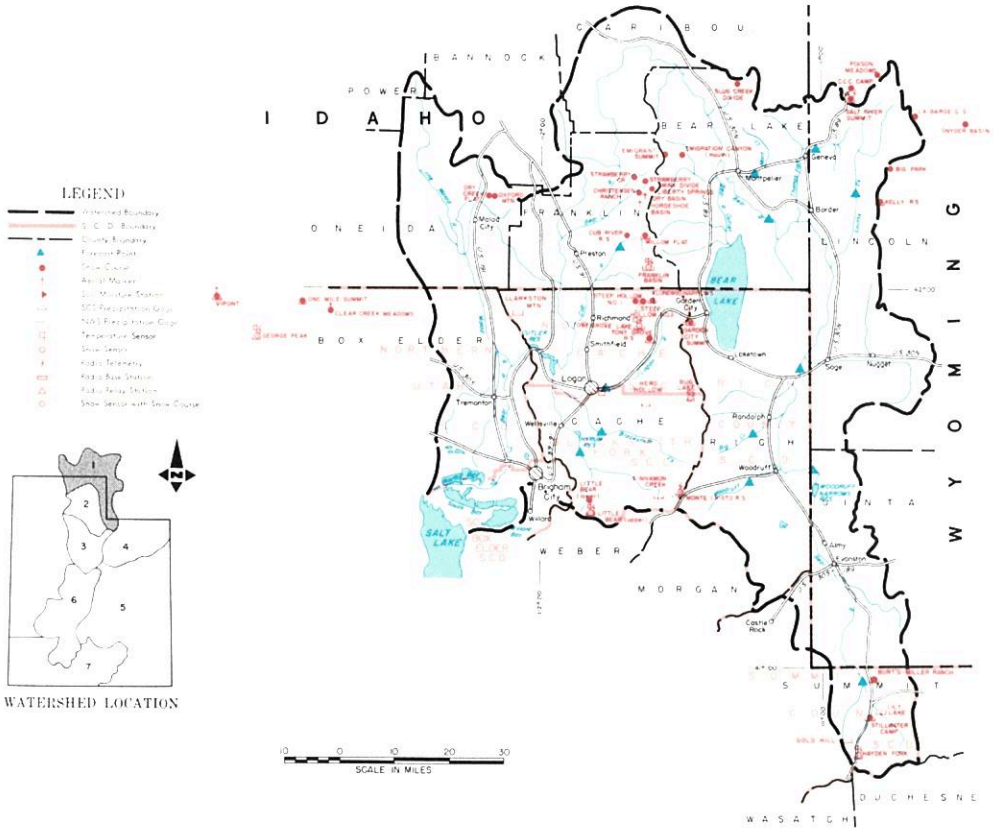
UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses



WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 87% of average on the Lower Bear to 77% of average on the Upper Bear. The Logan River snow courses are 86% of average. These percentages are 23 to 35% less than January 1.

PRECIPITATION at mountain stations for January was only 33 to 51% of average. Seasonal (October-January) precipitation now ranges from 47% of average at Monte Cristo to 109% at Willow Flat.

SOIL MOISTURE is above average due to above average August and September precipitation.

RESERVOIR STORAGE ranges from 97% of the February 1 average in Hyrum Reservoir to 171% of average in Woodruff Narrows.

STREAMFLOW FORECASTS range from 70% of the April-June average for the Little Bear to 114% of the April-July average for the Bear at Stateline and Bear at Woodruff. The April-July forecast for Woodruff Creek is 74%, Big Creek 105%, Bear near Randolph 108%, Logan 89%, Blacksmith Fork 90%, and Cub River 96% of average. The April-September forecast for Thomas Fork is 92%, Smith's Fork 82%, and Bear at Harer 79% of average. Forecasts dropped 3 to 36 percentage points from the January 1 forecasts as a result of below average January precipitation.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear nr UT-Wyo. State Line	130	114	Apr-July	146	114
Bear nr Woodruff	169	114	Apr-July	190	148
Woodruff Crk nr Woodruff, UT	13.7	74	Apr-July	--	18.4[b]
Big Creek nr Randolph, UT	5.7	105	Apr-July	--	5.4[b]
Bear nr Randolph	129	108	Apr-July	145	120
Thomas Fork nr ID-WY State Ln	32	92	Apr-Sept	--	35
Smith's Fork nr Border, WY	98	82	Apr-Sept	--	120
Bear at Harer, Idaho 1/	263	79	Apr-Sept	--	332
Logan nr Logan 1/	106	89	Apr-July	175	118
Blacksmith Fork nr Hyrum	49	90	Apr-July	83	54
Little Bear nr Paradise	26	70	Apr-June	65	38
Cub River nr Preston, ID	45	96	Apr-July	--	47

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	20	62	84
UPPER BEAR RIVER	6	54	77
LOWER BEAR RIVER	14	64	87
LOGAN RIVER	7	64	86

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
BEAR RIVER	Bear Lake	1421.0	1140.6	904.3	1026.5
	Woodruff Narrows	57.3	33.3	21.9	19.5
LITTLE BEAR	Hyrum	15.3	10.3	10.2	10.6
	Porcupine	11.3	4.7	1.9	3.0

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	50-90	63
Logan River nr Logan	610-1200	1016
Woodruff Creek nr Woodruff	190-330	267
Little Bear nr Paradise	290-610	507
Bear nr. Ut.-Wyo. Stateline	1440-2190	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	1/28	14	2.4	5.0	--
Cub River R.S.	1/27	22	5.5	8.6	6.4
Emigrant Summit	1/31	54	16.2	24.5	17.0
Franklin Basin	1/27	40	13.0	21.2	17.8[a]
Hayden Fork	1/28	32	7.8	13.6	9.6[b]
Klondike Narrows	1/27	35	10.9	17.3	13.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	1/26	24	7.0	10.4	6.2
Little Bear Upper	1/26	30	8.0	11.3	8.7[b]
Monte Cristo	1/26	39	12.6	18.9	16.3
Salt River Summit	1/27	34	7.8	15.4	11.0
Stillwater Camp	1/28	26	5.0	10.5	7.2
Tony Grove R.S.	1/26	26	6.9	12.0	8.6

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SOIL CONSERVATION SERVICE
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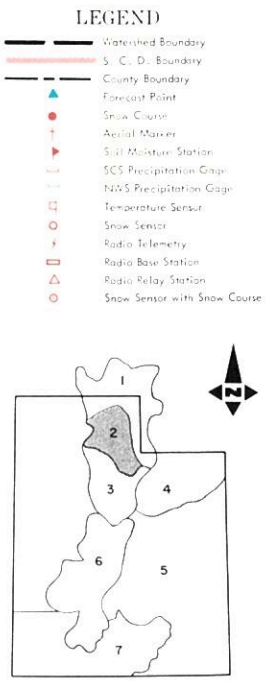
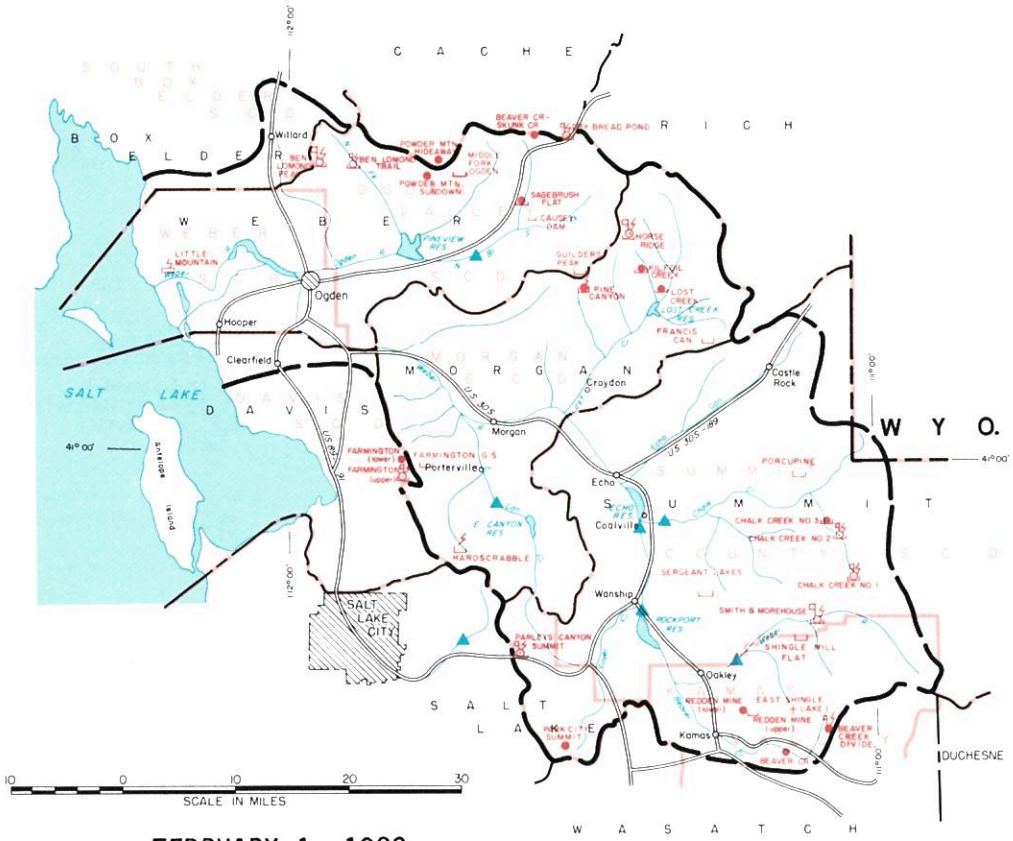
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



WATERSHED LOCATION



FEBRUARY 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER on the Ogden River drainage is 101% of average and 94% on the Weber. This is 78 and 74% of the February 1 snowpack of last year, respectively, and represents a drop of 69 percentage points for the Ogden and 28 percentage points for the Weber from the levels measured one month ago.

PRECIPITATION at mountain stations for the month of January was very light ranging from 32% of average at Causey Dam to 54% at Smith and Morehouse. Seasonal (October-January) totals now range from 64% at Sagebrush Flat to 101% of average at Ben Lomond Trail.

SOIL MOISTURE is above average as a result of heavy September rains prior to snow accumulations.

RESERVOIR STORAGE is above average with the exception of Causey.

STREAMFLOW FORECASTS now range from 88% of the April-June average for Lost Creek and South Fork Ogden to 114% for East Canyon Creek. The Weber near Oakley is forecast at 106%, Rockport Inflow 108%, Chalk at Coalville 107%, Weber near Coalville 106%, Hardscrabble 111%, Pineview Inflow 98%, Echo Inflow 107%, and Weber at Gateway 107% of the April-June average. Farmington Creek is forecast at 109% of the April-July average. All water users on streams with storage should have adequate water supplies this season. Peak flows should not present a hazard if melt rates are normal.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3/	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	111	106	Apr-June	133	104
Rockport Reservoir Inflow 1/	121	108	Apr-June	172	112
Chalk Creek at Coalville	42	107	Apr-June	61	40
Weber nr Coalville	130	106	Apr-June	175	123
Lost Creek nr Croydon, UT	15.3	88	Apr-June	24	17.4[b]
East Canyon Creek nr Morgan 1/	30	114	Apr-June	44	26
Hardscrabble Crk nr Porterville	21	111	Apr-June	--	18.6[b]
South Fork Ogden nr Huntsville	50	88	Apr-June	92	57
Pineview Reservoir Inflow 2/	112	98	Apr-June	168	115
Echo Reservoir Inflow	171	107	Apr-June	215	160
Weber at Gateway	333	107	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	8.8	109	Apr-July	--	8.1[b]

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	78	101
WEBER RIVER	9	74	94

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
OGDEN	Causey	6.9	1.1	3.4	2.0[b]
	Pineview	110.1	76.9	59.7	52.2
WEBER	East Canyon	48.1	40.7	33.3	27.6
	Echo	73.9	51.4	47.9	48.5
	Lost Creek	20.0	15.0	12.6	12.9
	Rockport	60.9	50.8	35.7	35.2
	Willard Bay	193.3	128.5	144.2	127.2[b]

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	180-300	220
South Fork Ogden nr Huntsville	520-760	772
Chalk Creek nr Coalville	440-780	568
Weber nr Oakley	1220-2140	1560

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	1/30	24	5.4	8.6	5.9
Beaver Creek-Skunk Creek	1/26	23	7.5	11.0	8.3
Ben Lomond Peak	1/26	72	25.5	27.0	22.4[b]
Ben Lomond Trail	1/26	45	13.4	17.8	12.4[b]
Chalk Creek #1	1/28	48	13.6	21.4	13.6[a]
Chalk Creek #2	1/28	35	8.7	13.1	9.7
Chalk Creek #3	1/28	23	4.6	7.0	5.4
Dry Bread Pond	1/26	32	10.0	14.0	12.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	1/26	38	11.4	18.2	15.0[a]
Lost Creek Reservoir	1/26	12	3.0	6.8	--
Monte Cristo	1/26	39	12.6	18.9	16.3
Parleys Canyon Summit	1/28	46	10.8	14.6	12.7
Sagebrush Flat	1/26	14	3.4	6.9	4.1
Smith & Morehouse	1/28	32	8.5	11.5	8.9
Trial Lake	1/30	57	14.8	22.8	15.6

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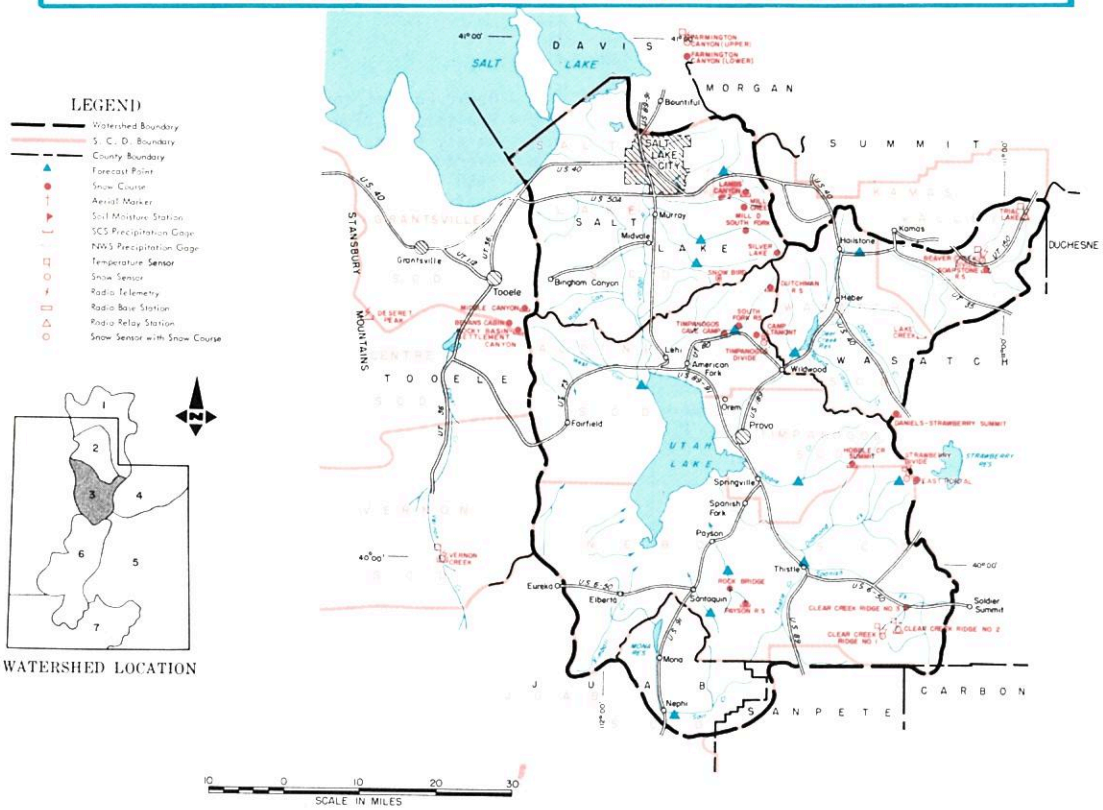
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on the Jordan River above Salt Lake is 113% of the February 1 average and the Provo River-Utah Lake drainage is 110% of average.

PRECIPITATION at mountain stations was only about 50% of average for the month of January. Seasonal (October through January) totals now range from 91 to 123% of average.

SOIL MOISTURE is above average as the result of greater than normal precipitation in August and September.

RESERVOIR STORAGE ranges from 104% to 164% of the February 1 average.

STREAMFLOW FORECASTS now range from 117% of the April-July average for South Willow Creek near Grantsville to 200% of the February-June average for Vernon Creek near Vernon. Other forecasts are as follows: Provo near Hailstone 127%, Provo below Deer Creek Dam 133%, American Fork 135%, Hobble Creek 137%, Strawberry Reservoir Inflow 128%, Spanish Fork 133%, Payson Creek 127%, Utah Lake Inflow 123%, Little Cottonwood 134%, Big Cottonwood 153%, Parley's Creek 169%, Mill Creek 175%, Emigration Creek 175%, City Creek 175%, and Settlement Creek near Tooele 145% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	130	127	Apr-July	153	102
Provo below Deer Creek Dam 1/	160	133	Apr-July	--	120
American Fork nr American Fork	42	135	Apr-July	--	31
Hobble Creek nr Springville	27	137	Apr-July	--	19.7b
Strawberry Reservoir Inflow 1/	67	128	Apr-July	95	52
Spanish Fork at Thistle	52	133	Apr-July	--	39
Payson Creek nr Payson	8.0	127	Apr-July	--	6.3
Utah Lake Inflow	300	123	Apr-July	--	244
JORDON RIVER & SALT LAKE				--	--
Little Cottonwood Crk nr SLC	51	134	Apr-July	--	38
Big Cottonwood nr SLC	58	153	Apr-July	--	38
Parley's Creek nr SLC	26	169	Apr-July	--	15.4
Mill Creek nr SLC	11.0	175	Apr-July	--	6.3
Emigration Creek nr SLC	7.0	175	Apr-July	--	4.9
City Creek nr SLC	14.0	175	Apr-July	--	10.7
TOOELE VALLEY					
Vernon Creek nr Vernon	1.8	200	Feb-June	1.6	0.9
Settlement Crk nr Tooele	3.3	145	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.4	117	Apr-July	4.2	2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	81	110
JORDON RIVER & SALT LAKE	5	84	113
TOOELE VALLEY	2	145	147

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	USABLE CAPACITY	USABLE STORAGE This Year	USABLE STORAGE Last Year	USABLE STORAGE Average +
SPANISH FORK	Strawberry	270.0	247.0	174.2	150.8
UTAH LAKE	Utah Lake	883.9	1047.6	792.0	683.1
	Settlement Creek	1.2	1.0	1.2	--
	Vernon Creek	0.6	0.5	0.3	--
PROVO	Deer Creek	149.7	111.6	108.5	107.0

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
American Fork		
Provo nr Hailstone		
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		
Little Cottonwood nr Salt Lake City		
Mill Creek nr Salt Lake City		
Parley's Creek nr Salt Lake City		
Emigration Creek nr Salt Lake City		
City Creek nr Salt Lake City		
Stone Creek nr Bountiful		

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Bevans Cabin		NOT MEASURED			
Camp Altamont	1/29	50	14.3	13.8	10.2
Clear Creek #1	1/26	39	12.0	16.0	11.2b
Clear Creek #2	1/26	35	9.7	13.5	9.6b
Clear Creek #3	1/26	25	6.0	7.2	5.5
Daniels-Strawberry Summit	1/26	38	10.8	12.5	10.0
Deseret Peak	2/3	65	19.9	21.8	--
Dutchman R.S.	1/29	56	15.8	19.0	12.9
Hobble Creek Summit	1/26	37	9.2	13.9	9.6
Lambs Canyon #2	1/28	42	10.2	16.4	11.1a
Middle Canyon	1/30	47	12.8	8.6	9.2
Mill Creek	1/26	42	11.2	15.4	--

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Mill D South Fork	1/27	43	12.6	19.0	13.2
Parley's Canyon Summit	1/28	46	10.8	14.6	12.7
Payson R.S.	1/31	52	13.7	13.4	12.2
Rocky Basin-Settlement Canyon	2/3	73	24.6	19.1	--
Silver Lake Brighton	1/27	53	16.8	24.2	15.8
Soapstone R.S.	1/30	30	6.2	11.8	8.6
South Fork R.S.	1/28	33	8.7	7.9	4.5
Timpanogos Divide	1/29	68	20.7	20.0	16.9
Trial Lake	1/30	57	14.8	22.8	15.6
Vernon Creek	1/30	44	11.8	8.4	7.5b

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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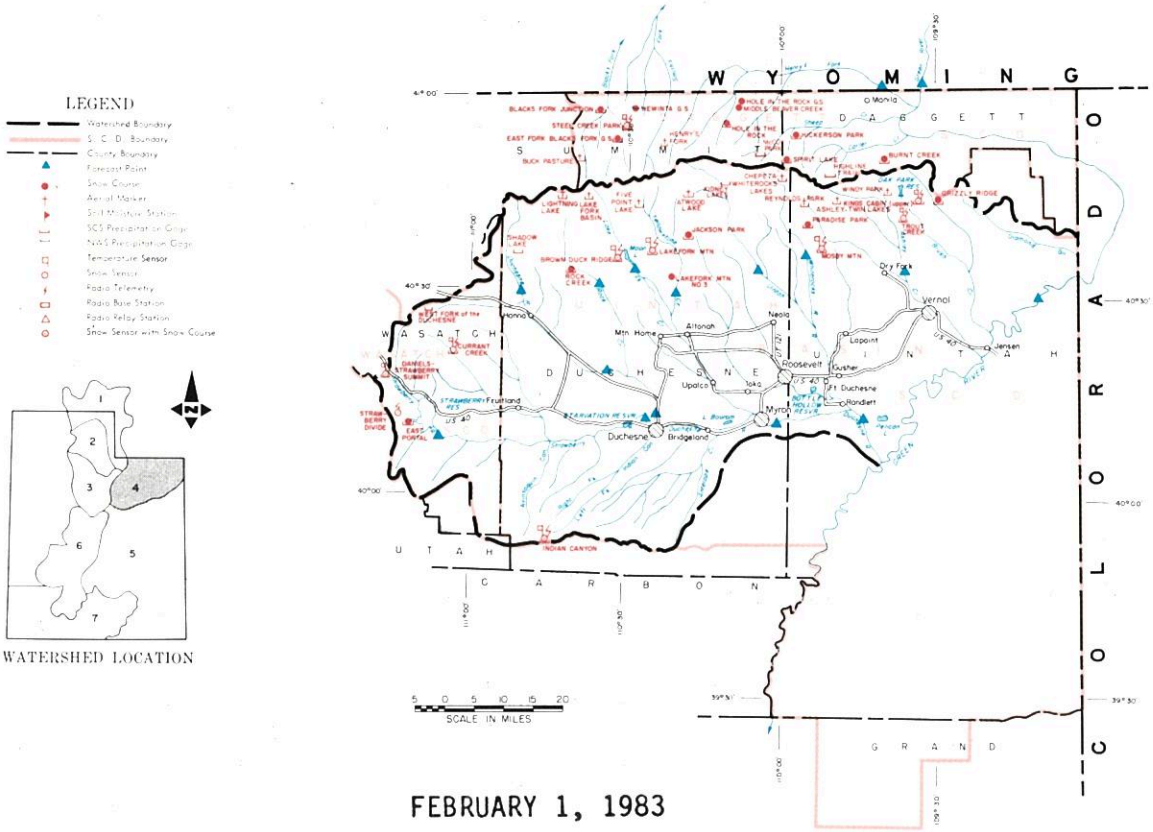

FEBRUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from 102% for the Strawberry River to 159% of the February 1 average for Ashley Creek. The Duchesne River is 131%, Lakefork-Yellowstone Rivers 155%, and Uintah-Whiterocks Rivers 147% of average for February.

PRECIPITATION at mountain stations for the month of January ranged from 12% of average at Grizzly Ridge to 63% at East Portal. October-January totals now range from average at Daniels-Strawberry to 136% at Grizzly Ridge.

SOIL MOISTURE is above average due to above average August and September precipitation.

RESERVOIR STORAGE ranges from 99% to 180% of the February 1 average.

STREAMFLOW FORECASTS range from 80% of the April-July average for Flaming Gorge Inflow to 142% of the April-July average for the Whiterocks and Uintah Rivers. The Duchesne near Tabiona is forecast at 116%, Duchesne at Duchesne 113%, Strawberry at Duchesne 113%, Rock Creek 109%, Currant Creek 110%, Lakefork 126%, Yellowstone 125%, Duchesne at Myton 129%, Duchesne at Randlett 132%, West Fork Duchesne 119%, Black's Fork 87%, and Ashley Creek 135% of the April-July average. Henry's Fork near Manila is forecast at 86% of the April-September average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and Forecast Point	This Year Forecast Thousand Acre Feet	This Year Forecast % Average	Forecast Period	Past Record Thousand Acre Feet Last Year 3	Past Record Thousand Acre Feet Average +
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	124	116	Apr-July	170	107
Duchesne at Duchesne 1/	218	113	Apr-July	264	193
Strawberry at Duchesne	72	126	Apr-July	91	57
Rock Creek nr Mtn. Home	104	109	Apr-July	112	95
Currant Creek nr Fruitland	22	110	Apr-July	32	20
Lakefork Below Moon Lake 1/	91	126	Apr-July	79	72
Yellowstone nr Altonah	83	125	Apr-July	74	67
Duchesne at Myton 1/	271	129	Apr-July	275	210
Whiterocks nr Whiterock	85	142	Apr-July	62	60
Uintah nr Neola	126	142	Apr-July	90	89
Duchesne at Randlett 1/	350	132	Apr-July	336	266
West Fork Duchesne at Hanna	31	119	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	46	86	Apr-Sept	38	54
Black's Fork at Millburne	80	87	Apr-July	95	92
Flaming Gorge Inflow 1/	1030	80	Apr-July	--	1292
Ashley Creek nr Vernal	69	135	Apr-July	50	51

SUMMARY of SNOW MEASUREMENTS

Area Basin and Subbasin	Number of Courses Average	This Year as a Percent of Last Year	This Year as a Percent of Average
DUCHESNE RIVER - TOTAL	12	91	131
LAKEFORK-YELLOWSTONE CREEKS	4	100	155
STRAWBERRY RIVER	4	72	102
UINTAH - WHITEROCKS RIVERS	2	119	147
ASHLEY CREEK	2	147	159

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average +
ASHLEY CREEK	Steinaker	33.3	32.3	21.9	20.5
GREEN RIVER	Flaming Gorge	3749.0	3214.8	2747.0	--
LAKE FORK	Moon Lake	35.8	30.3	16.6	16.8
STRAWBERRY	Starvation	165.3	128.6	146.6	129.4b
UINTAH	Bottle Hollow	11.3	11.1	11.3	9.8b

PEAK FLOWS e

Forecast Point	Peak Flow Mean Daily Feet Forecast Range	Peak Flow Mean Daily Feet Average +
Strawberry at Duchesne	380-1210	656
Ashley Creek nr Vernal	600-1600	1030

SNOW

Drainage Basin and Snow Course Name	This Year Date of Survey	This Year Snow Depth (Inches)	This Year Water Content (Inches)	Past Record Water Content (Inches) Last Year	Past Record Water Content (Inches) Average +
Brown Duck Ridge	1/30	58	16.1	18.5	9.5e
Currant Creek	1/26	32	7.7	8.4	7.3e
Daniels-Strawberry	1/26	38	10.8	12.5	10.0
Hewinta G. S.	1/28	24	4.9	8.5	--
Hickerson Park	1/28	24	4.9	4.3	--
Jackson Park	1/29	43	12.1	11.3	7.4e
Kings Cabin Upper	1/29	36	9.8	7.5	7.5

SNOW

Drainage Basin and Snow Course Name	This Year Date of Survey	This Year Snow Depth (Inches)	This Year Water Content (Inches)	Past Record Water Content (Inches) Last Year	Past Record Water Content (Inches) Average +
Lakefork Mountain	1/29	38	9.3	9.0	6.8
Mosby Mountain	1/29	35	9.0	6.6	6.3
Paradise Park	1/29	45	12.5	11.4	8.3
Rock Creek Ranch	1/29	26	6.3	6.1	3.7e
Spirit Lake	1/28	35	9.3	10.3	--
Steel Creek Park	1/28	44	10.5	14.7	9.4e
Strawberry Divide	1/31	49	12.2	18.3	12.4
Trout Creek	1/29	38	10.6	6.6	5.3e

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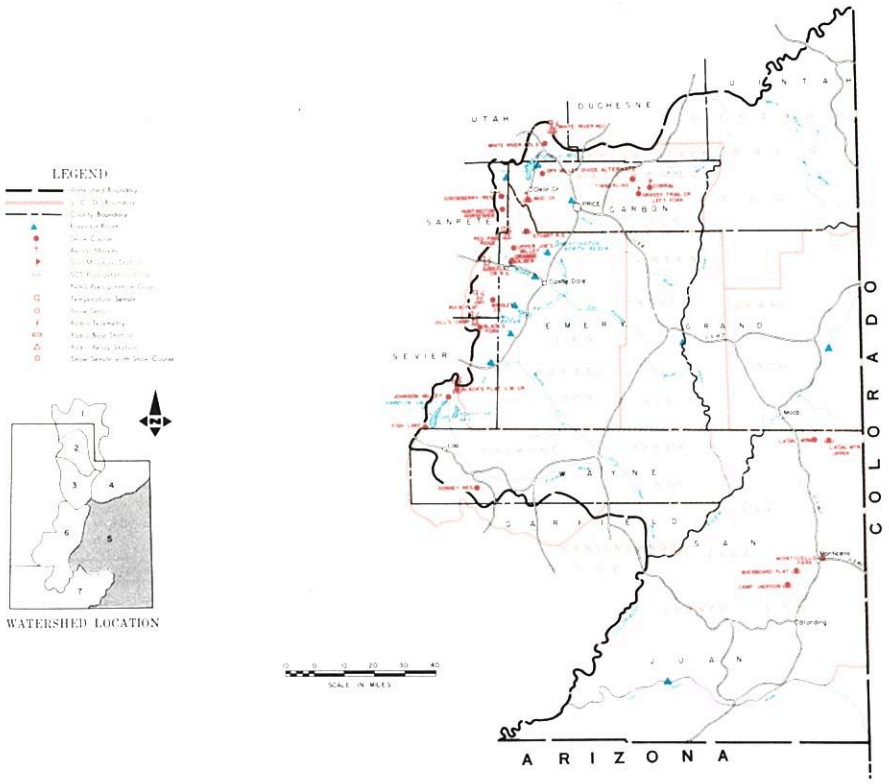
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER on the Southeastern Utah drainages ranges from 104% of average on the Price River to 167% on the Blue Mountains. The San Rafael River is at 134%, Fremont 147%, La Sal Mountains 156%, and Muddy River 143% of the February 1 average.

PRECIPITATION at mountain stations ranged from 47% at Mud Creek to 71% of the January average at Fish Lake.

SOIL MOISTURE is above average after heavier than normal precipitation in August, September, and early October.

RESERVOIR STORAGE is well above average with Scofield at 152%, Huntington North 154%, and Joe's Valley 131% of the February 1, average.

STREAMFLOW FORECASTS range from 96% for the Colorado near Cisco to 180% of the April-July average for Mill Creek near Moab. Gooseberry Creek near Scofield is 129%, Scofield Reservoir Inflow 138%, Price River 117%, Huntington Creek 139%, Cottonwood Creek 143%, Ferron Creek 174%, Muddy Creek 160%, Green River at Green River 97%, Navajo Reservoir Inflow 115%, San Juan 112%, and Seven Mile Creek near Fish Lake is 113% of the April-July forecast period average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

Basin Streamflow or Forecast Point	This Year: Thousand Acre Feet	This Year: Percent of Average	Forecast Period	Past Record (Thousand Acre Feet): Last Year[3]	Past Record (Thousand Acre Feet): Average[4]
PRICE RIVER					
Gooseberry Crk nr Scofield	13.0	129	Apr-July	--	10.1
Scofield Reservoir Inflow	49	138	Apr-July	--	36
Price nr Heiner 1/	75	117	Apr-July	--	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	64	139	Apr-July	--	49[b]
Cottonwood Crk nr Orangeville	64	143	Apr-July	65	44[b]
Ferron Creek nr Ferron	59	174	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	27	160	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2600	96	Apr-July	--	2716
Green at Green River, UT	2875	97	Apr-July	--	2974
Mill Creek nr Moab	9.2	180	Apr-July	4.2	5.1[b]
Navajo Reservoir Inflow	700	115	Apr-July	--	608
San Juan nr Bluff, UT	970	112	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.2	113	Apr-July	7.2	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON TO PREVIOUS YEARS)

River Basin and or Watershed	Number of Courses Average	This Year as a Percent of: Last Year	This Year as a Percent of: Average
PRICE RIVER	3	71	104
SAN RAFAEL RIVER	6	92	134
FREMONT RIVER	3	137	147
LASAL MOUNTAINS	2	156	156
BLUE MOUNTAINS	2	199	167
MUDDY RIVER	2	87	143

1 - Observed flow corrected for change in storage and diversions
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a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average†
PRICE RIVER	Scofield	65.8	52.9	33.8	34.7
SAN RAFAEL	Huntington North	3.9	3.7	1.7	2.4[b]
	Joe's Valley	54.6	47.3	33.3	36.0[b]
	Mill Site	16.7	12.8	5.9	--
SAN JUAN	Navajo	1696.0	1401.0	1210.0	--
	Kens Lake	2.7	0.8	--	--

PEAK FLOWS[e]

Forecast Point	Peak Flow (Second Feet): Forecast Range	Peak Flow (Second Feet): Average†
Ferron Creek near Ferron	530-840	422
Muddy Creek near Emery	200-320	154

SNOW

Drainage Basin and or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average†
Buck Flat	1/28	59	15.5	15.2	10.2
Buckboard Flat	1/28	42	10.9	5.5	7.1[a]
Camp Jackson	1/28	46	13.2	6.6	7.3[a]
Dills Camp	1/28	46	10.2	10.9	7.0[a]
Dry Valley Divide Alternate	1/26	25	5.5	9.2	--
Huntington-Horseshoe	1/27	53	18.5	22.5	14.8[b]
Red Pine Ridge	1/27	47	13.0	16.0	10.7

SNOW

Drainage Basin and or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average†
Mammoth-Cottonwood R.S.	1/27	52	15.3	18.9	13.2
Monticello City Park	NOT MEASURED			0.5	--
Mud Creek	1/27	39	9.3	13.4	8.8
Seeley Creek	1/27	47	13.3	10.9	9.3[b]
White River #1	1/26	37	9.2	12.1	8.6[a]
White River #3	1/26	24	5.8	8.7	5.9[a]

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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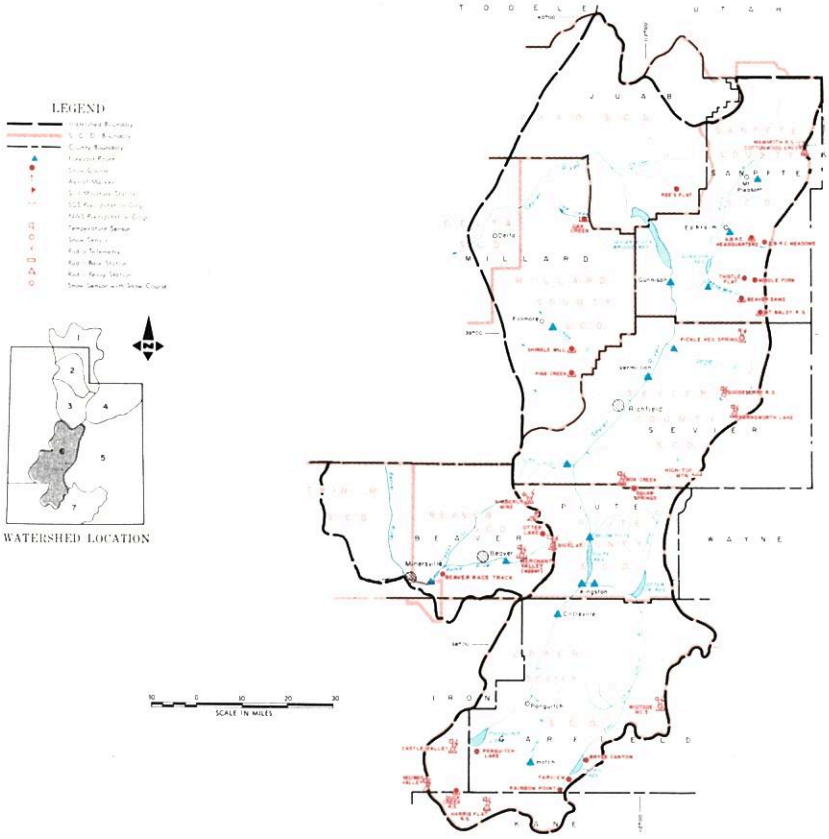

FEBRUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER is still well above average and ranges from 131% on the Lower Sevier to 181% on South Fork Sevier. East Fork Sevier is at 170% and the Beaver River drainage is 159% of the February 1 average.

PRECIPITATION at mountain stations during January ranged from 55% at Gooseberry Reservoir to 107% of average at G.B.R.C. Headquarters. October-January totals range from 57% of average at Farnsworth Lake to 146% at Merchant Valley.

SOIL MOISTURE is above average as a result of greater than average fall precipitation.

RESERVOIR STORAGE is well above average with usable storage ranging from 145% to 195% of average February 1 levels.

STREAMFLOW FORECASTS range from 120% of the April-July average for Salt Creek near Nephi to 324% of the April-June average for Minersville Inflow. The Sevier River is forecast 195% at Hatch, 190% at Circleville, 186% at Kingston, 178% for the East Fork, and 170% at Gunnison. Salina Creek is forecast 158%, Clear Creek 152%, Chicken Creek 165%, Ephraim Creek 159%, and Pleasant Creek 137% of the April-July average.

Beaver River is forecast 188% and North Creeks 171% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and or FORECAST POINT	THIS YEAR Forecast Thousand Acre Feet	THIS YEAR Forecast Percent of Average	FORECAST PERIOD	PAST RECORD Thousand Acre Feet Last Year 3	PAST RECORD Thousand Acre Feet Average +
SEVIER RIVER					
Sevier at Hatch	80	195	Apr-July	--	41
Sevier nr Circleville	55	190	Apr-July	--	29
Sevier nr Kingston	42	186	Apr-July	--	23
Antimony Crk nr Antimony	12.2	177	Apr-July	--	6.9
East Fork Sevier nr Kingston1/	27	178	Apr-July	--	15.2
Sevier below Piute Dam	65	182	Apr-July	--	36
Clear Crk nr Sevier (abv Div)	27	152	Apr-July	--	17.8
Sigurd to Gunnison	47	181	Apr-July	--	--
Kingston to Vermillion Dam	100	179	Apr-June	--	56
Vermillion Dam to Gunnison	65	186	Mar-June	--	35
Salina Creek at Salina	17.5	158	Apr-June	--	11.1
Sevier nr Gunnison	85	170	Apr-July	--	50
Chalk Creek nr Fillmore	29	175	Apr-July	--	16.3
Chicken Creek nr Levan	5.1	165	Apr-July	6.0	3.1
Oak Cr. nr Oak City	2.3	161	Apr-July	1.9	1.4
Ephraim Creek nr Ephraim	24	159	Apr-July	--	14.5
Pleasant Crk nr Mt. Pleasant	11.5	137	Apr-July	--	8.4
Salt Creek nr. Nephi	14.6	120	Apr-July	--	12.2
Beaver nr Beaver	38	188	Apr-July	31	20
North Creek (Combined)	24	171	Apr-July	--	13.7b
Minersville Inflow	21	324	Apr-June	--	6.6

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and or SUBWATERSHED	Number of Survey Sites	THIS YEAR as a % of Median	THIS YEAR as a % of Average
UPPER SEVIER RIVER	9	171	178
East Fork Sevier	3	129	170
South Fork Sevier	6	190	181
LOWER SEVIER	10	100	131
BEAVER RIVER	3	121	159

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE This Year	USABLE STORAGE Last Year	USABLE STORAGE Average +
SEVIER RIVER	Gunnison	18.2	17.0	13.4	11.7
	Otter Creek	52.5	49.4	39.6	29.6
	Piute	71.8	60.4	57.2	40.1
	Sevier Bridge	236.0	222.0	178.7	113.6
BEAVER RIVER	Minersville (Rky Fd)	23.3	22.2	16.0	12.0

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Sevier River at Hatch		
Beaver River nr Beaver		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		
Beaver River nr Beaver	320-580	211

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Big Flat	1/31	54	15.1	14.2	10.0
Bryce Canyon	1/29	31	6.8	3.9	3.0
Castle Valley	1/30	53	13.9	7.1	7.5a
Duck Creek	1/30	58	15.2	7.4	8.0
Farnsworth Lake	1/29	47	13.2	14.5	11.8
Gooseberry R.S.	1/29	32	8.0	7.3	7.4

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Harris Flat	1/30	44	10.4	5.2	5.3
Kimberly Mine	1/31	41	10.6	10.6	9.5b
Long Valley Junction	1/30	34	8.7	3.4	3.2
Merchants Valley Upper	1/31	47	12.6	8.9	7.5b
Midway Valley	1/30	80	23.7	10.1	12.7
Otter Lake	1/31	46	12.1	9.7	7.5
Pickle Keg Springs	1/28	52	13.4	12.4	10.5
Widtsoe-Escalante #3	1/29	44	9.5	8.2	6.4

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

FEBRUARY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER is still well above average with a range of from 156% on Parowan Creek to 199% of the February 1 average on the Virgin River. Coal Creek is 190% and Enterprise-New Harmony is 179% of average.

PRECIPITATION at mountain stations following a drier than normal January is still above average for the October-January period.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 102% of the April-July average for Lake Powell Inflow to 163% of the April-June average for the Santa Clara near Pine Valley. The Virgin River is forecast at 148% of the April-June average and Coal Creek is 162% of the April-July average. Water supplies should be adequate during the irrigation season provided precipitation is near normal through the rest of the winter and spring.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD Thousand Acre Feet Last Year 3	PAST RECORD Thousand Acre Feet Average +
VIRGIN RIVER					
Virgin nr Hurricane	72	148	Apr-June	52	48.5
Santa Clara nr Pine Valley	6.7	163	Apr-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	27	162	Apr-July	22	17.0
UPPER COLORADO					
Lake Powell Inflow	7100	102	Apr-July	--	6952.0

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEAR)

RIVER BASIN and or SUB-WATERSHED	Number of Snow Measurements	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	212	190
VIRGIN RIVER	3	238	199
PAROWAN CREEK	4	165	156
ENTERPRISE - NEW HARMONY	2	161	179

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	USABLE CAPACITY	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
COLORADO	Lake Powell	25002.0	22408.0	19606.0	--
	Blue Mesa	829.5	538.2	326.0	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (Thousand Cubic Feet) Forecast Range	PEAK FLOW (Thousand Cubic Feet) Average +
Coal Creek nr Cedar City		
Virgin nr Virgin		

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Birch Crossing	1/27	28	7.1	4.5	4.3b
Brian Head	1/30	65	18.3	11.6	12.4b
Harris Flat	1/30	44	10.4	5.2	5.3
Kolob-Crystal	1/30	78	23.6	9.5	13.3b
Little Grassy	1/30	16	3.1	4.1	--
Long Flat	1/30	33	8.2	2.9	4.7

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Long Valley Junction	1/30	34	8.7	3.4	3.2
SUSC Ranch	1/27	37	10.0	6.2	5.8b
Tall Poles	1/27	46	13.7	8.2	8.5b
Webster Flat	1/30	67	20.8	9.4	10.2
Yankee Reservoir	1/30	38	9.1	5.0	5.7a

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
						CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	1/28	14	2.4	5.0	--	1/28	1.30	--	7.96	--	--
CCC Camp	1/28	32	6.6	11.0	8.6						
Hayden Fork	1/28	32	7.8	13.6	9.6[b]	1/28	1.99	--	7.62	--	--
Monte Cristo R.S.	1/26	39	12.6	18.9	16.3	1/26	1.96	6.10[b]	13.66	17.12	80
Salt River Summit	1/27	34	7.8	15.4	11.0	1/27	2.12	4.18	5.30	11.35	47
Stillwater Camp	1/28	26	5.0	10.5	7.2	1/28	1.15	--	7.63	--	--
Lily Lake	1/28	33	7.5	12.8	8.8[a]	1/28	1.43	--	8.27	--	--
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	1/26	33	9.2	18.8	13.1[b]	1/26	1.30	--	7.96	--	--
Cub River R.S.	1/27	22	5.5	8.6	6.4						
Emigrant Summit	1/31	54	16.2	24.5	17.0						
Franklin Basin	1/27	40	13.0	21.2	17.8[a]	2/1	3.80[a]	--	17.30[a]	--	--
Garden City Summit	1/26	29	8.8	14.7	11.6	1/26	1.41	4.27	10.66	12.33	86
Klondike Narrows	1/27	35	10.9	17.3	13.0	1/27	2.54	5.49[b]	13.33	15.41[b]	86
Little Bear (lower)	1/26	24	7.0	10.4	6.2	--	--	--	--	--	--
Little Bear (upper)	1/26	30	8.0	11.3	8.7[b]	1/26	1.17	--	16.47	--	--
Slug Creek Divide	1/28	35	9.7	15.5	11.5						
Steep Hollow #1	1/27	64	22.6	33.0	23.3						
Steep Hollow #2	1/27	49	15.7	21.0	17.1						
Tony Grove Lake	1/26	58	19.5	31.8	21.5[b]	2/1	4.00[a]	--	18.04[a]	--	--
Tony Grove R.S.	1/26	26	6.9	12.0	8.6	1/26	1.41	--	9.94	--	--
Willow Flat	1/27	33	9.0	14.2	10.9[a]	1/27	1.91	5.00[b]	16.44	15.14	109
OGDEN RIVER											
Beaver Creek-Skunk Creek	1/26	23	7.5	11.0	8.3						
Ben Lomond Peak	1/26	72	25.5	27.0	22.4[b]						
Ben Lomond Trail	1/26	45	13.4	17.8	12.4[b]	1/26	1.22	7.56[b]	20.63[a]	20.51[b]	101
Causey Dam						1/26	0.82	2.56[b]	7.59	9.49	80
Dry Bread Pond	1/26	32	10.0	14.0	12.2[a]	2/1	1.40[a]	--	10.70[a]	16.96b	63
Sagebrush Flat	1/26	14	3.4	6.9	4.1	1/26	1.00	--	6.11	9.49	64
WEBER RIVER											
Beaver Creek R. S.	1/30	24	5.4	8.6	5.9						
Chalk Creek #1	1/28	48	13.6	21.4	13.6[a]	2/1	2.60[a]	--	14.40[a]	--	--
Chalk Creek #2	1/28	35	8.7	13.1	9.7	2/1	1.30[a]		9.10[a]	--	--
Chalk Creek #3	1/28	23	4.6	7.0	5.4	1/28	0.68	--	8.29	9.44[b]	88
Farmington Canyon (lower)	1/26	51	15.2	16.6	14.0[b]	1/26	2.18	5.22[b]	--	18.36	--
Farmington Canyon (upper)	1/26	60	20.4	23.0	19.5[b]	1/26	3.00[a]	--	20.06[a]	--	--
Farmington G.S.	1/26	41	--	--	--						
Horse Ridge	1/26	38	11.4	18.2	15.0[a]	1/26	1.57[a]	--	14.27	--	--
Kilfoil Creek	1/26	31	7.9	12.3	--						
Lost Creek Reservoir	1/26	12	3.0	6.8	--	1/26	0.47	--	5.38	--	--
Park City Summit	1/28	71	26.4	33.0	--						
Parley's Canyon Summit	1/28	46	10.8	14.6	12.7	1/28	2.16	4.31	12.89	14.80	87
Redden Mine (lower)	1/28	40	11.3	14.7	--	1/28	1.71	--	12.14	--	--
Smith & Morehouse	1/28	32	8.5	11.5	8.9	1/28	1.92	3.55	10.38	11.90	87
Hardscrabble	1/26	36	10.6	15.1	--						
Pine Canyon	1/26	34	10.9	13.9	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	1/30	32	6.8	11.8	8.9[b]	2/1	1.40[a]	--	10.00[a]	--	--
Camp Altamont	1/29	50	14.3	13.8	10.2						
Clear Creek Ridge #1	1/26	39	12.0	16.0	11.2[b]	2/1	1.70a	--	13.70[a]	--	--
Clear Creek Ridge #2	1/26	35	9.7	13.5	9.6[b]	1/26	1.18	--	11.39	10.87b	--
Clear Creek Ridge #3	1/26	25	6.0	7.2	5.5						
Dutchman R.S.	1/29	56	15.8	19.0	12.9	1/29	2.50	--	17.15	17.60[b]	97
Hobble Creek Summit	1/26	37	9.2	13.9	9.6	1/26	1.20		13.30	14.47	--
Payson R.S.	1/31	52	13.7	13.4	12.2	2/1	2.90[a]	3.30	13.98[a]	12.04	116
Soapstone R.S.	1/30	30	6.2	11.8	8.6	1/30	1.70	3.39	10.15	11.16	91
South Fork R.S.	1/28	33	8.7	7.9	4.5						
Timpanogos Cave Camp	1/28	8	2.6	2.8	2.3						
Timpanogos Divide	1/29	68	20.7	20.0	16.9	1/29	2.45	4.97	21.40	17.43	123
Trial Lake	1/30	57	14.8	22.8	15.6	1/30	2.53	4.71	16.47	16.20	102

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

† 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon #2	1/28	42	10.2	16.4	11.1[a]	1/28	1.78	--	10.20	--	--
Middle Canyon	1/30	47	12.8	8.6	9.2	Vandalized		2.71[b]	--	9.74	--
Mill Creek	1/26	42	11.2	15.4	--						
Mill D South Fork	1/27	43	12.6	19.0	13.2						
Mt. Dell Dam							--	2.16	--	9.73	--
Rocky Basin-Settlement	2/3	73	24.6	19.1	--	2/3	--	--	14.92	--	--
Silver Lake (Brighton)	1/27	53	16.8	24.2	15.8						
Snow Bird (Gad Valley)	1/26	82	31.0	30.9	23.6[a]						
Vernon Creek	1/30	44	11.8	8.4	7.5[b]	1/30	2.75	--	14.95	--	--
Desert Peak	2/3	65	19.9	21.8	--						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Black's Fork G.S.-East Fork	1/28	21	4.1	8.6	--	1/28	1.09	--	7.07	--	--
Black's Fork Junction	1/28	24	4.2	8.1	--	1/28	1.01	--	--	--	--
Burnt Creek	1/28	18	4.9	2.5	--	1/28	0.34	1.60[b]	6.60	6.09[b]	108
Grizzly Ridge	1/28	36	10.3	5.2	--	1/28	0.30	2.44[b]	11.90	8.75[b]	136
Hewinta G.S.	1/28	24	4.9	8.5	--	1/28	1.33	--	7.71	--	--
Hickerson Park	1/28	24	4.9	4.3	--	1/28	0.53	--	6.52	--	--
King's Cabin (upper)	1/29	36	9.8	7.5	7.5	1/29	0.56	--	9.61	9.24	104
Spirit Lake	1/28	35	9.3	10.3	--	1/28	0.88	--	10.55	--	--
Steel Creek Park	1/28	44	10.5	14.7	9.4[a]	1/28	1.48	--	7.06	--	--
Trout Creek	1/29	38	10.6	6.6	5.3[a]	1/29	0.55	--	10.45	--	--
DUCHESNE RIVER											
Brown Duck Ridge	1/30	58	16.1	18.5	9.5a	1/30	1.38	--	12.04	--	--
Chepeta	1/28	44	10.9	11.4	--	2/1	1.00[a]	--	10.30[a]	--	--
Currant Creek	1/26	32	7.7	8.4	7.3[b]	1/26	0.92	--	9.20	--	--
Daniels-Strawberry Summit	1/26	38	10.8	12.5	10.0	1/26	1.43	3.59	11.97	12.03	100
East Portal	1/31	36	7.0	13.3	7.4	1/31	2.11	3.34	11.71	11.14	105
Indian Canyon	1/26	41	10.7	11.8	8.0	1/26	1.34	2.41	11.27	8.69	130
Jackson Park	1/29	43	12.1	11.3	7.4[a]	1/29	0.92	--	10.94	--	--
Lakefork Mountain #1	1/29	38	9.3	9.0	6.8	1/29	0.95	--	9.91	8.68	114
Lakefork Mountain #3	1/29	26	5.8	4.5	4.2[b]						
Mosby Mountain	1/29	35	9.0	6.6	6.3	1/29	0.69	2.28[b]	10.91	8.87	123
Paradise Park	1/29	45	12.5	11.4	8.3	1/29	0.86	2.39[b]	--	9.36	--
Rock Creek Ranch	1/29	26	6.3	6.1	3.7[a]	1/29	2.20	--	9.71	--	--
Strawberry Divide	1/31	49	12.2	18.3	12.4	2/1	2.40[a]	--	14.80[a]	--	--
PRICE RIVER											
Dry Valley Divide Alternate	1/26	25	5.5	9.2							
Mud Creek	1/27	39	9.3	13.4	8.8	1/27	1.26	2.70	6.70	9.20	73
White River #1	1/26	37	9.2	12.1	8.6[a]	1/26	1.36	--	9.79	--	--
White River #3	1/26	24	5.8	8.7	5.9[a]						
SAN RAFAEL RIVER											
Buck Flat	1/28	59	15.5	15.2	10.2	1/28	3.03	--	13.47	11.29[b]	119
Huntington-Horseshoe	1/27	53	18.5	22.5	14.8[b]						
Orange Olsen	1/27	30	5.9	5.7	--	1/27	1.60	--	14.20	--	--
Red Pine Ridge	1/27	47	13.0	16.0	10.7	2/1	2.30[a]	--	14.40[a]	12.77	113
Seeley Creek R.S.	1/27	47	13.3	10.9	9.3[b]	2/1	2.70[a]	--	9.50a	--	--
Stuart R.S.	1/27	28	6.1	9.1	--	1/27	1.12	--	6.70	--	--
Upper Joe's Valley	1/27	37	8.3	9.7	6.6						
Wrigley Creek	1/28	41	9.2	10.7	6.4						
MUDDY RIVER											
Black's Fork	1/28	46	10.8	12.8	7.7[a]						
Dill's Camp	1/28	46	10.2	10.9	7.0[a]	1/28	2.83	--	12.63	--	--

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+ 1956-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
						CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	1/29	34	8.1	8.0	6.9	1/29	1.46	--	7.01	--	--
Fish Lake	1/29	33	8.0	5.7	5.2	1/29	0.95	1.33[b]	5.75	6.35	91
Johnson Valley	1/29	28	6.0	5.9	4.3						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/28	42	10.9	5.5	7.1[a]	1/28	1.40	--	13.70	--	--
Camp Jackson	1/28	46	13.2	6.6	7.3[a]	1/28	1.70	--	14.80	--	--
LaSal Mountain (lower)	1/27	38	9.6	4.0	5.4[a]						
LaSal Mountain (upper)	1/27	53	15.1	10.0	8.6a	1/27	1.80	--	13.95	--	--
Monticello City Park	--	--	--	0.5	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/31	47	11.8	10.9	7.8	1/31	2.49	--	12.69	--	--
Bryce Canyon	1/29	31	6.8	3.9	3.0						
Castle Valley	1/30	53	13.9	7.1	7.5[a]	1/30	2.67	--	13.52	--	--
Duck Creek R.S	1/30	58	15.2	7.4	8.0	1/30	3.61	2.87	21.04	10.90	193
Harris Flat	1/30	44	10.4	5.2	5.3	2/1	2.30[a]	--	11.60[a]	--	--
Kimberly Mine	1/31	41	10.6	10.6	9.5[b]	1/31	1.81	3.31[b]	--	11.20	--
Midway Valley	1/30	80	23.7	10.1	12.7	2/1	4.20[a]	--	23.90[a]	--	--
Panguitch Lake	1/30	32	9.0	3.2	2.7[a]	1/30	1.44	--	8.94	--	--
Squaw Springs	1/31	32	7.4	5.4	4.5[a]						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/28	39	8.7	8.6	7.4[a]	1/28	3.62	--	12.07	--	--
Farnsworth Lake	1/29	47	13.2	14.5	11.8	1/29	2.69	3.09	6.69	11.64	57
G.B.R.C. Headquarters	1/27	47	12.4	11.0	9.8	1/27	3.18	2.98	13.55	11.52	118
G.B.R.C. Majors						--	--	1.42	--	5.65	--
G.B.R.C. Meadows	1/27	63	19.7	21.0	13.5	1/27	3.21	3.84	13.11	13.98	94
G.B.R.C. Oaks						--	--	2.02	--	7.82	--
Gooseberry R.S.	1/29	32	8.0	7.3	7.4	1/29	1.66	2.45[b]	9.31	7.49[b]	124
Mammoth-Cottonwood Creek	1/27	52	15.3	18.9	13.2	2/1	1.80[a]	3.84	12.30[a]	12.34	100
Mt. Baldy R.S.	1/28	72	20.3	23.4	14.8[a]	1/28	3.45	--	11.62	--	--
Oak Creek	1/31	52	14.4	6.8	--	1/31	2.44	--	9.11	--	--
Pickle Keg Springs	1/28	52	13.4	12.4	10.5	2/1	4.00[a]	--	16.50[a]	--	--
Pine Creek	1/31	54	16.2	11.2	8.8[a]	1/31	3.55	--	16.33	--	--
Ree's Flat	1/31	52	12.9	11.1	--						
Shingle Mill	1/27	29	7.7	6.9	5.7	1/27	1.64	2.10[b]	12.07	10.25	118
Gooseberry Reservoir						1/27	2.06	3.71	14.25	12.09	118
BEAVER RIVER											
Beaver Canyon Power House						--	--	1.23	--	5.45	--
Beaver Race Track	1/28	1	0.3	0.4	--						
Big Flat	1/31	54	15.1	14.2	10.0	1/31	2.87	--	12.24	9.93	123
Merchant's Valley (upper)	1/31	47	12.6	8.9	7.5[b]	1/31	2.59	--	13.44	9.18[b]	146
Otter Lake	1/31	46	12.1	9.7	7.5						
PAROWAN CREEK											
Birch Crossing	1/27	28	7.1	4.5	4.3[b]						
Brian Head	1/30	65	18.3	11.6	12.4[b]						
Tall Poles	1/27	46	13.7	8.2	8.5b	1/27	1.30	2.20[b]	10.90	9.48[b]	115
Yankee Reservoir	1/30	38	9.1	5.0	5.7[a]	1/30	1.35	--	9.80	--	--
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	1/30	16	3.1	4.1	1.6[a]						
Long Flat	1/30	33	8.2	2.9	4.7	2/1	1.50[a]	--	10.40[a]	--	--
COAL CREEK											
Cedar City Golf Course	1/27	1	0.1	0.0	--						
SUSC Ranch	1/27	37	10.0	6.2	5.8[b]						

+ 1958-1972 period

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 D

SNOW

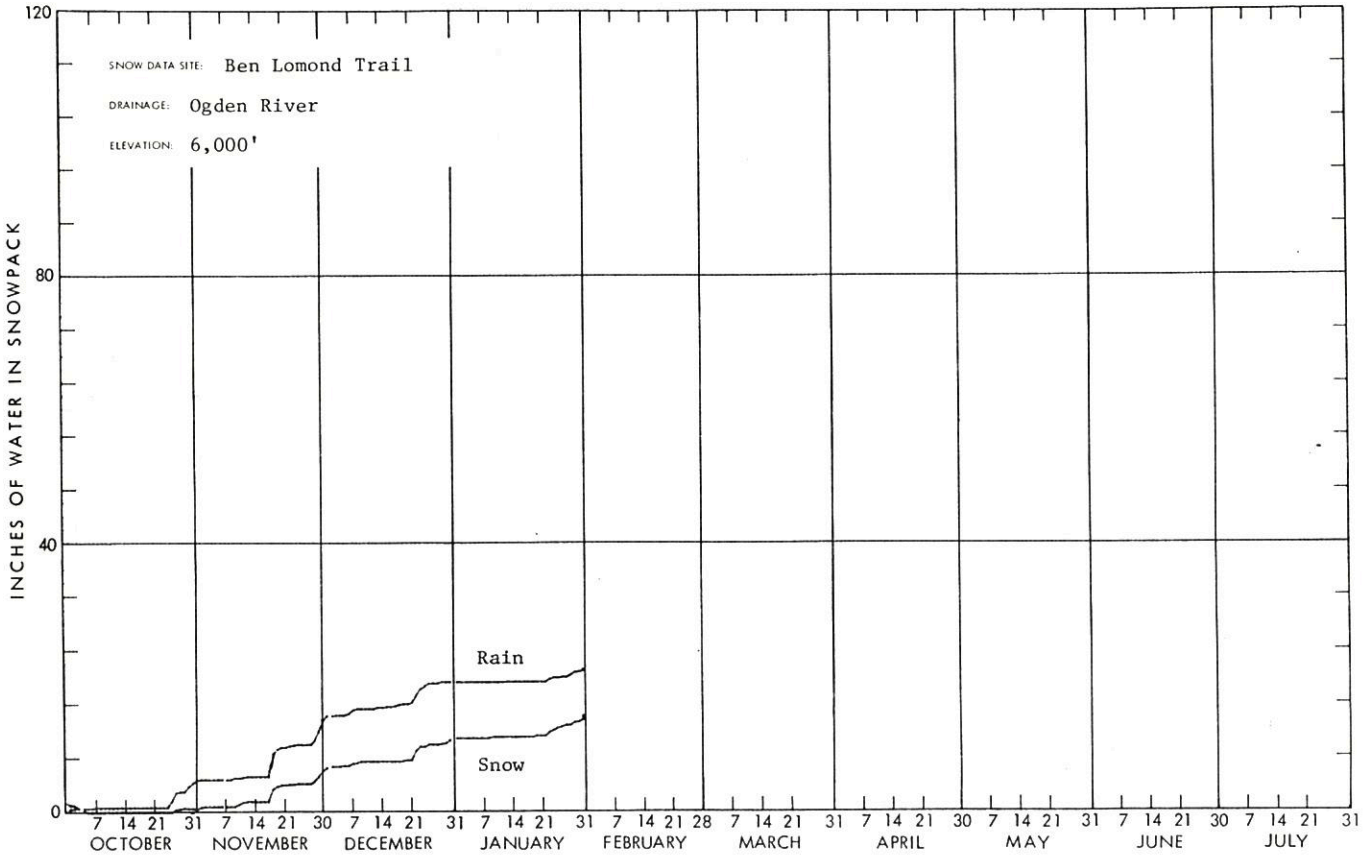
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
ESCALANTE RIVER					
Widtsoe-Escalante #3	1/29	44	9.5	8.2	6.4
VIRGIN RIVER					
Kolob-Crystal	1/30	78	23.6	9.5	13.3[b]
Long Valley Junction	1/30	34	8.7	3.4	3.2
Webster Flat	1/30	67	20.8	9.4	10.2

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average †	FROM APPROX OCT 1 TO DATE This Year	FROM APPROX OCT 1 TO DATE Average †	FROM APPROX OCT 1 TO DATE Percent of Average
ESCALANTE RIVER						
Widtsoe-Escalante #3	1/29	2.63	1.58	7.86	7.59	104
VIRGIN RIVER						
Kolob-Crystal	2/1	4.40[a]	--	21.90[a]	--	--
Long Valley Junction						
Webster Flat	1/30	4.73	3.48	18.03	11.62	155

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

WSFB-X13D



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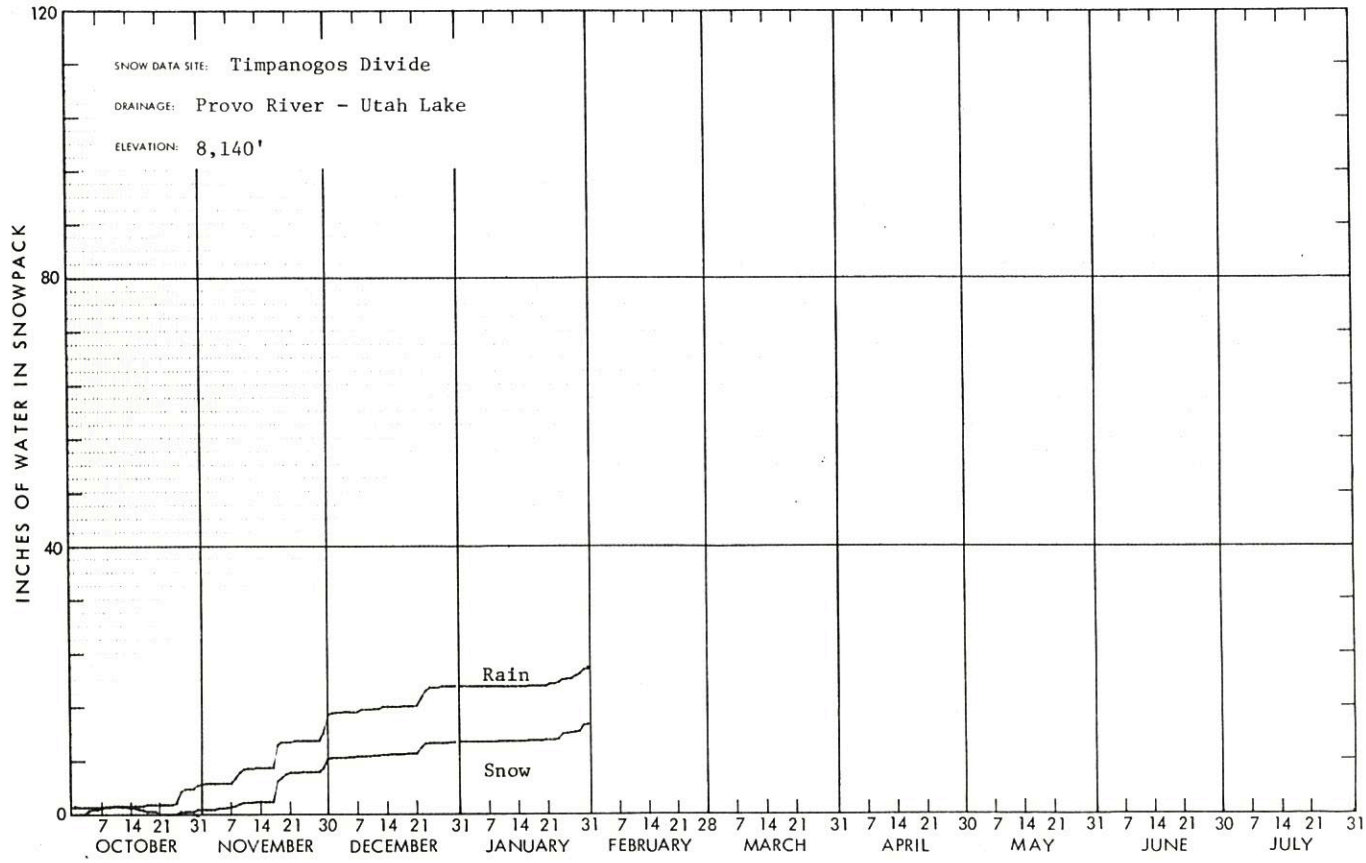

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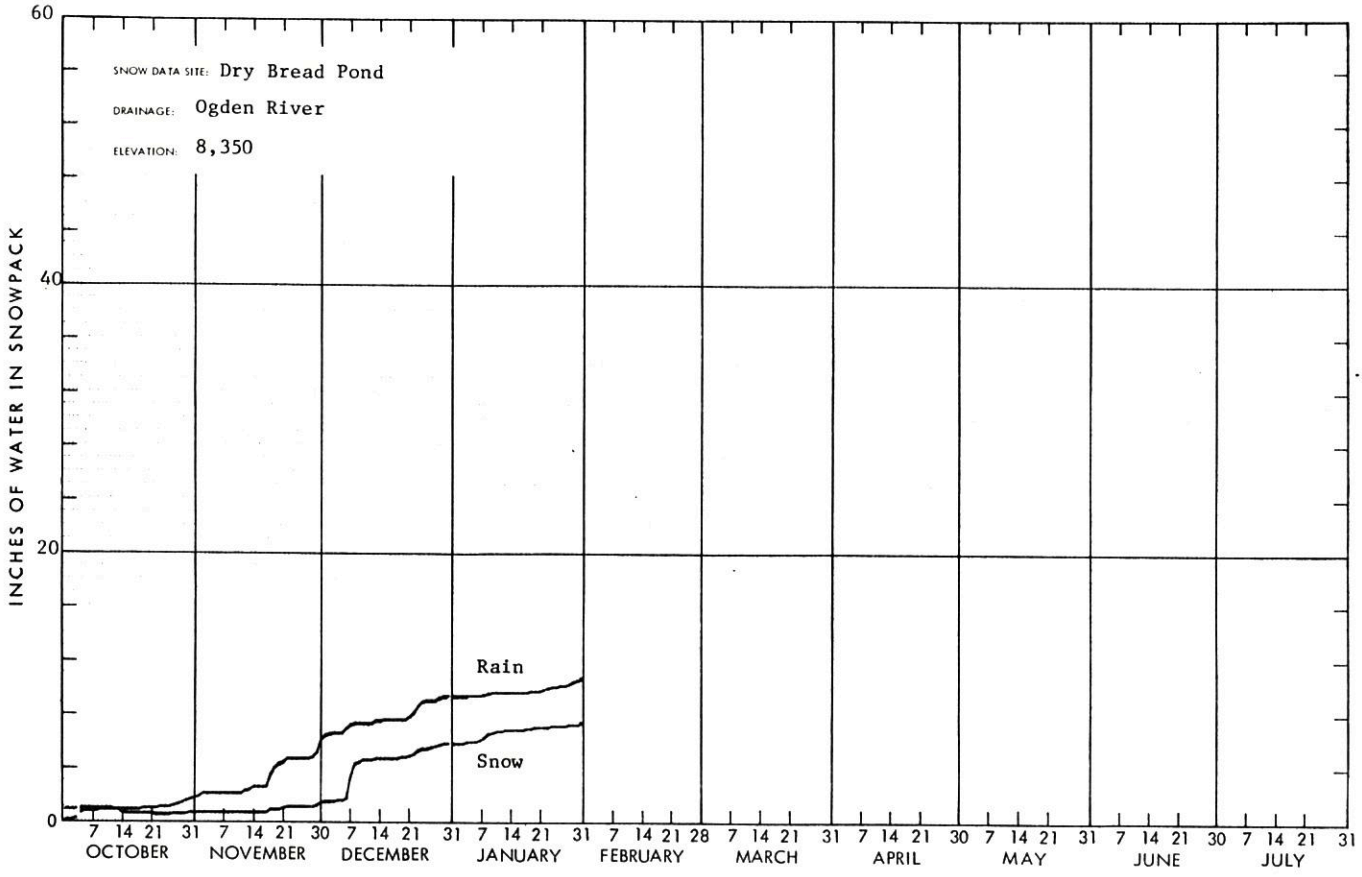

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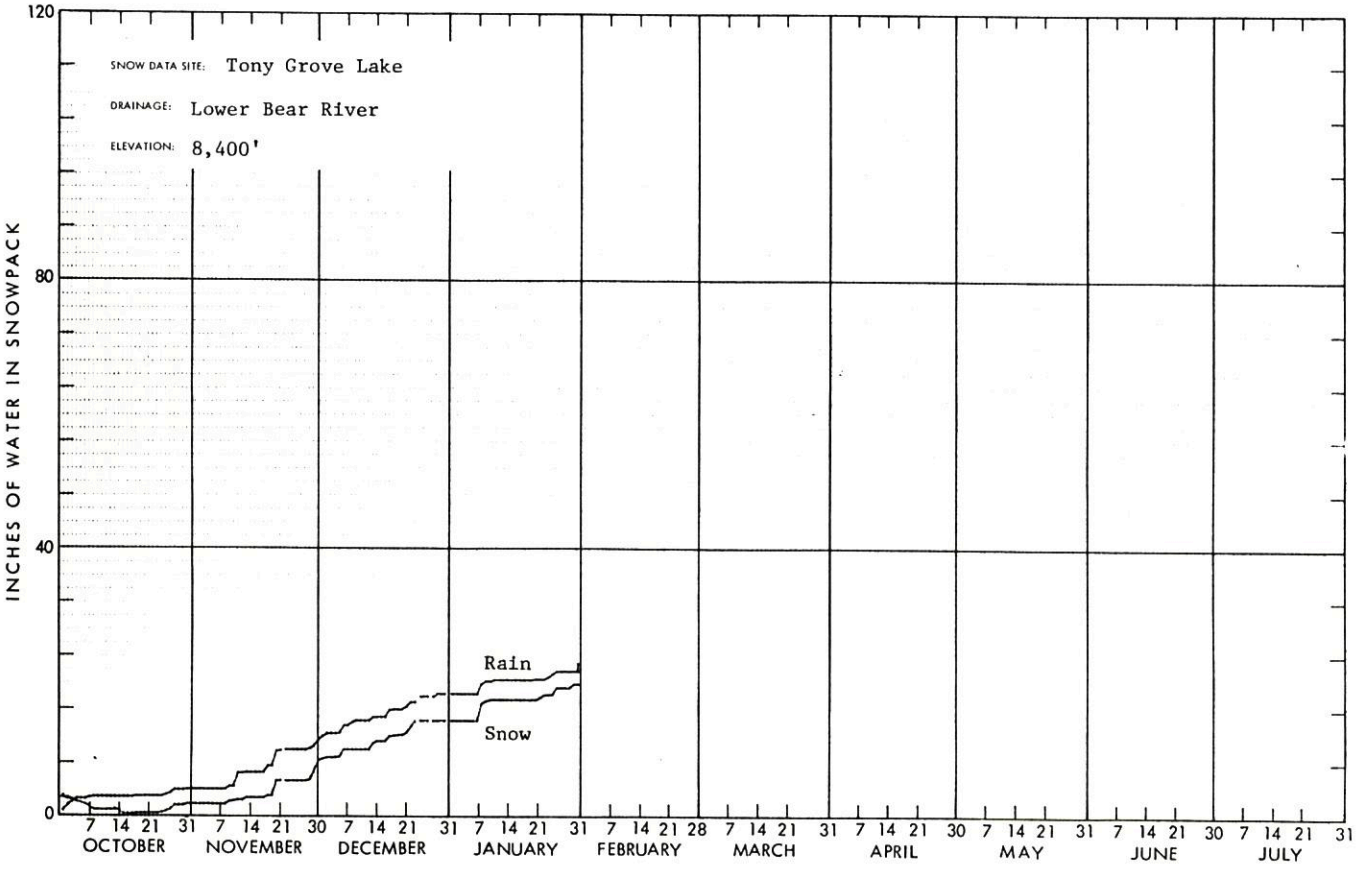

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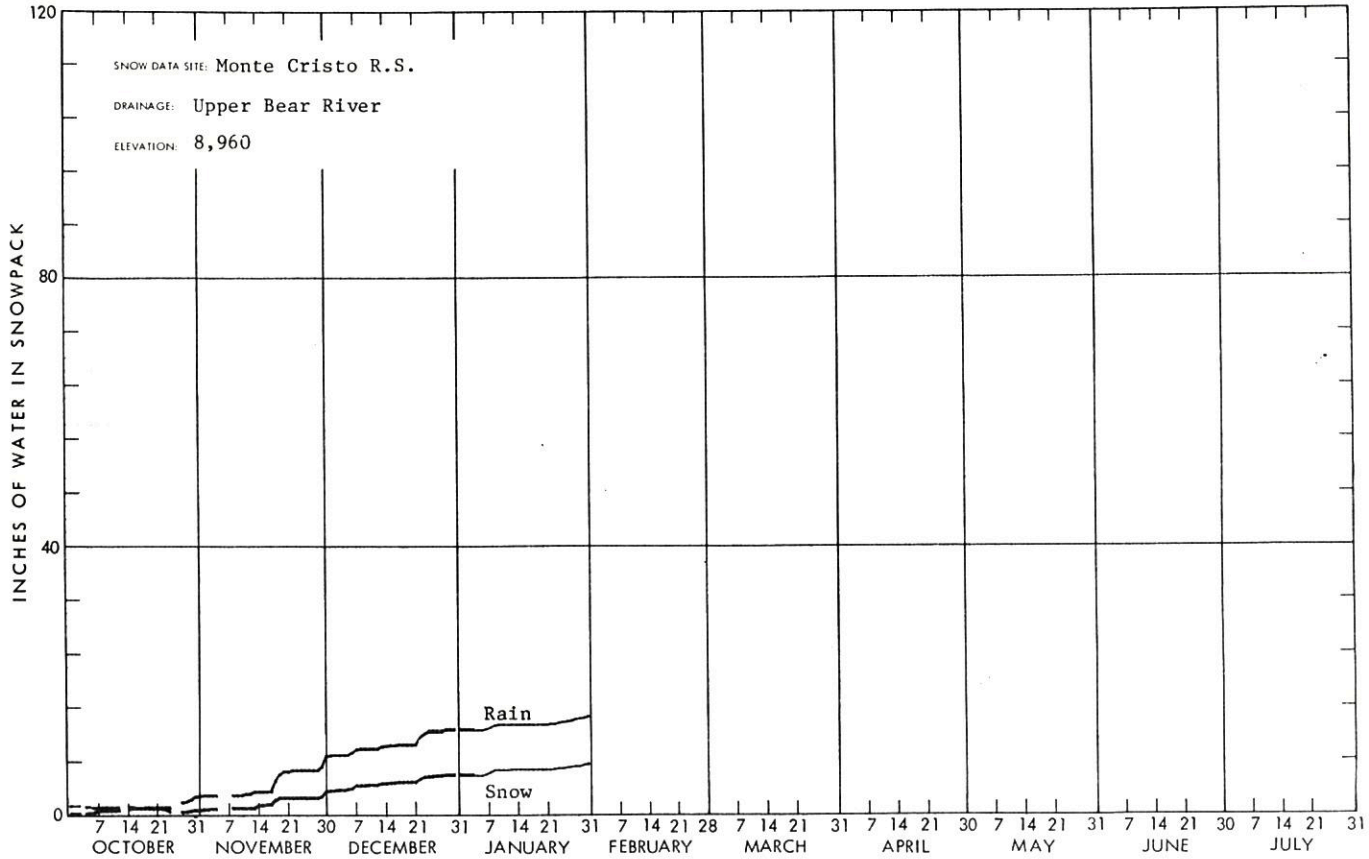

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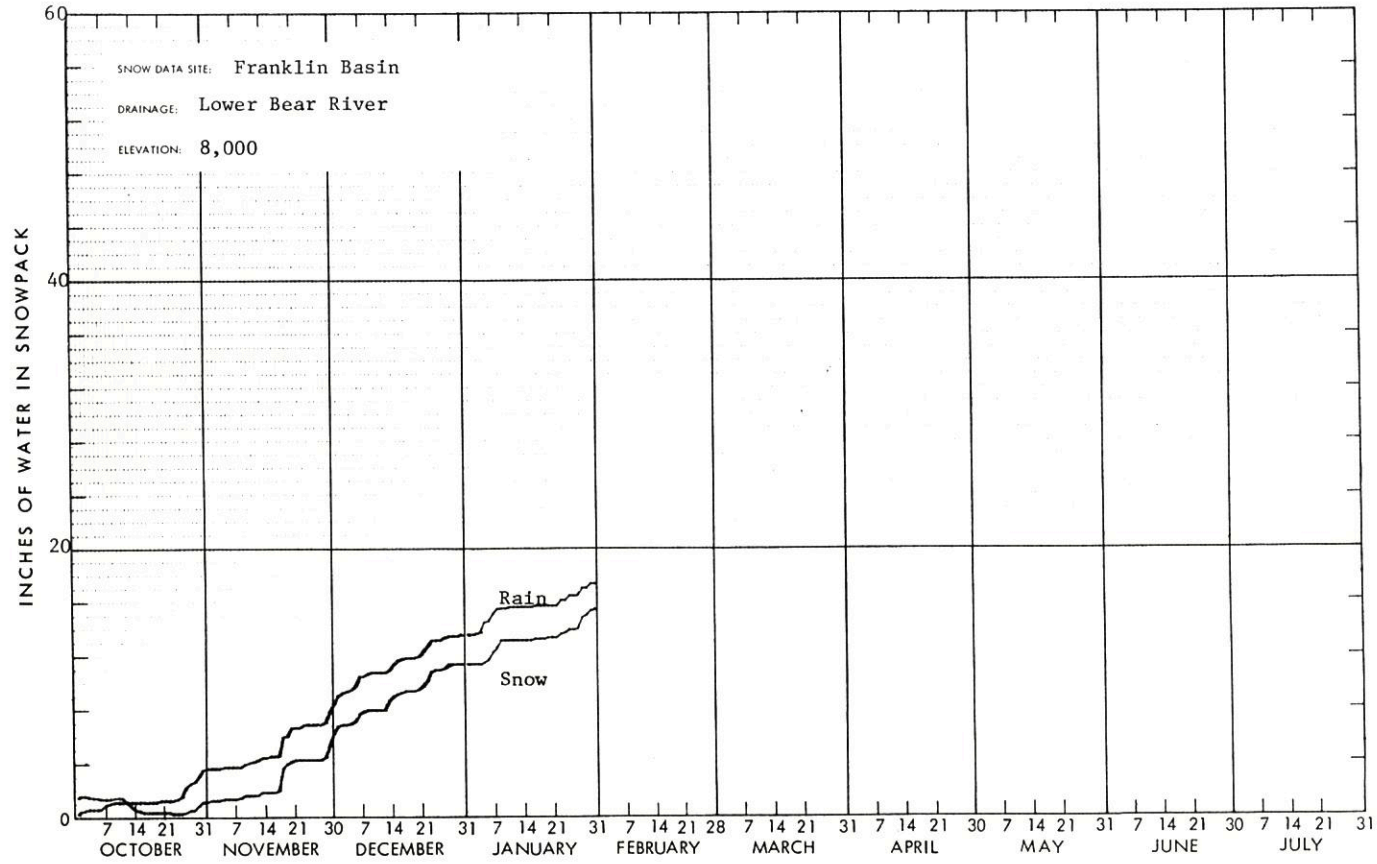

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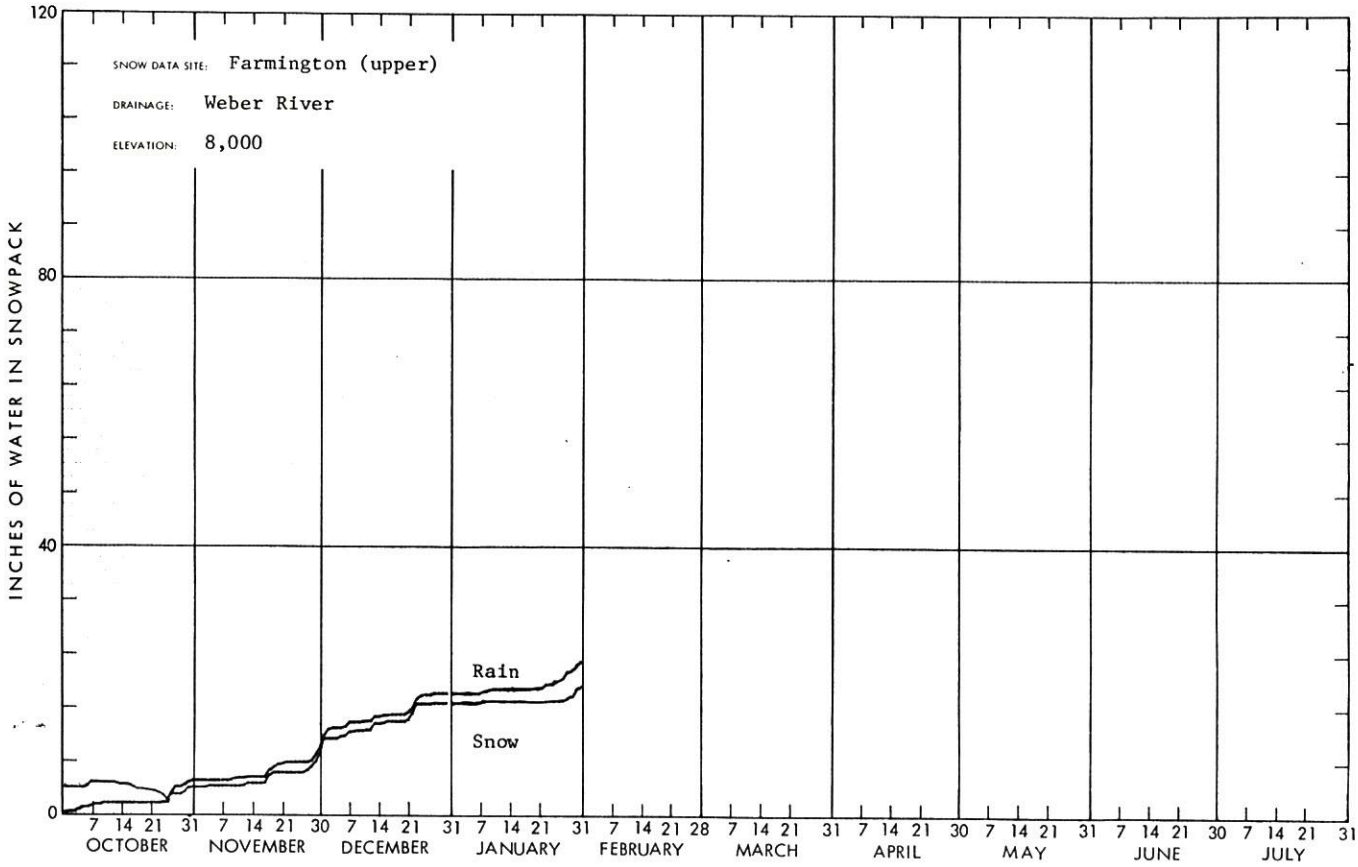

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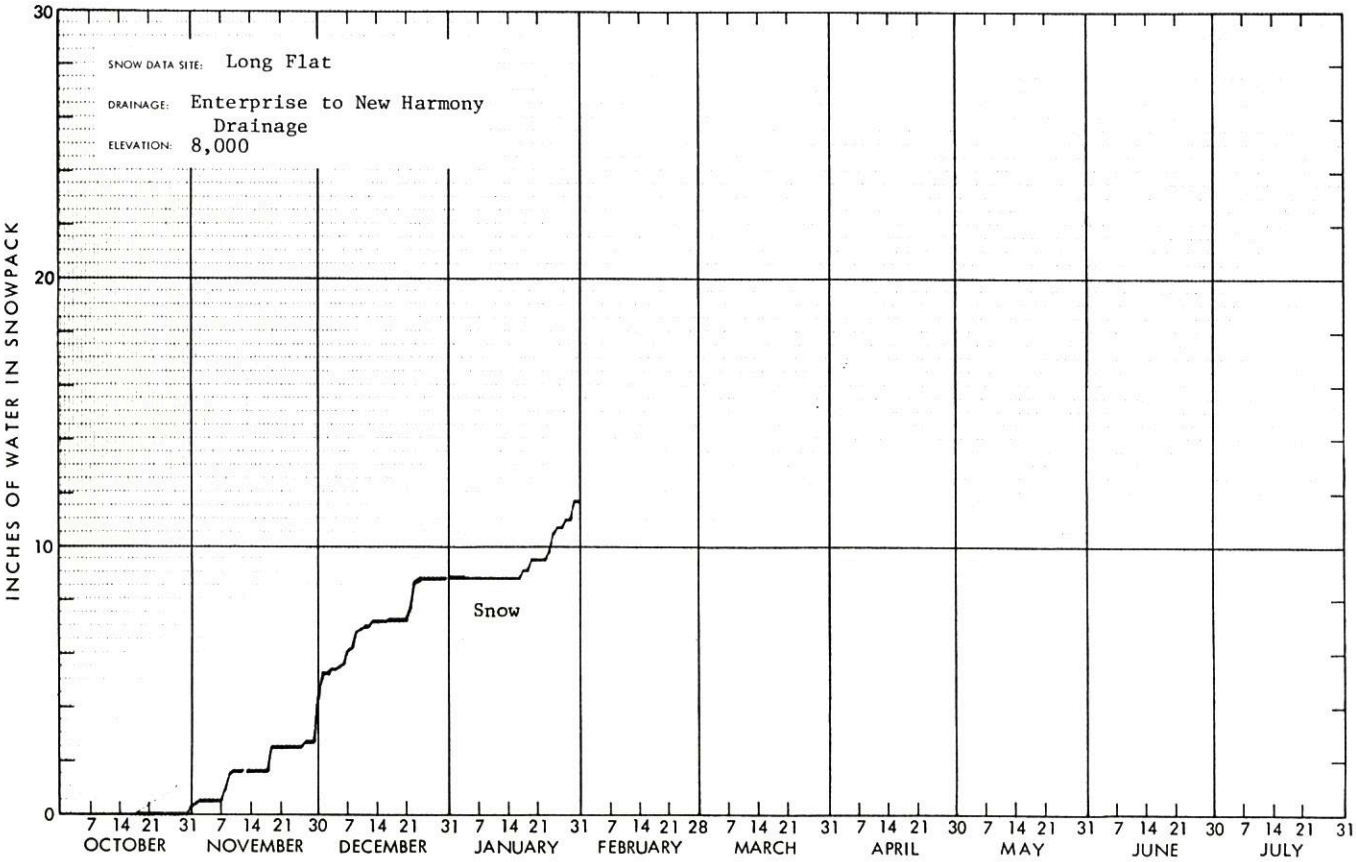

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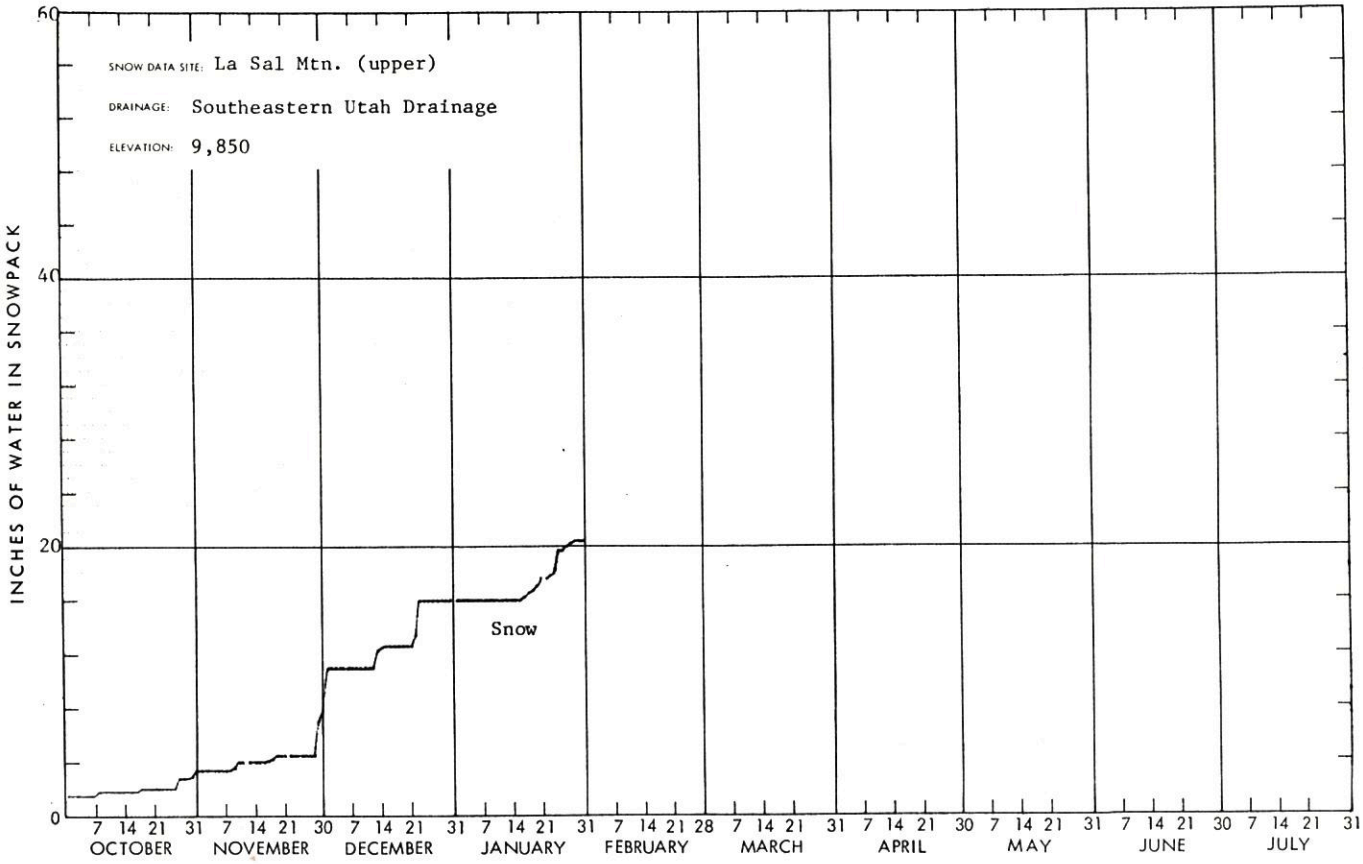

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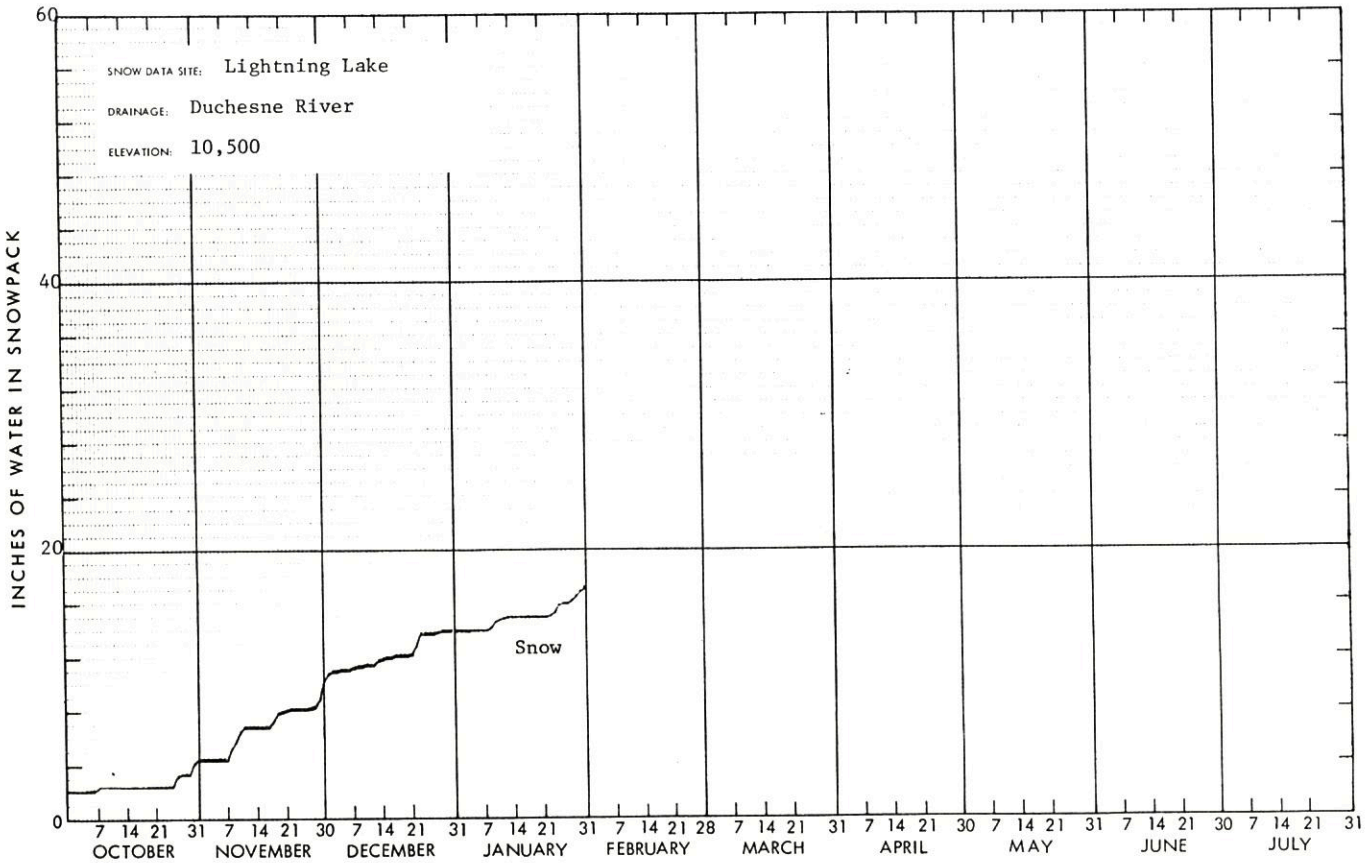

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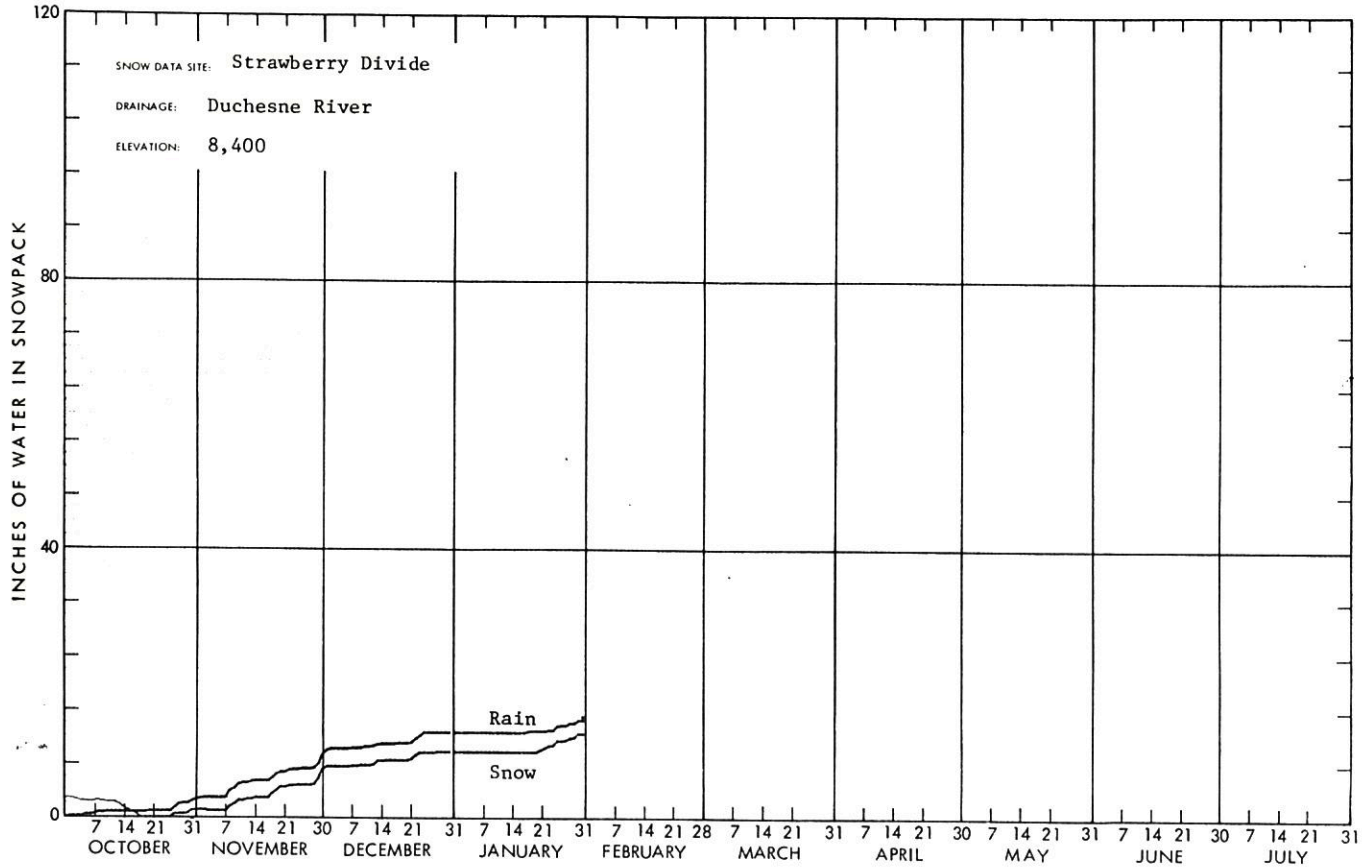

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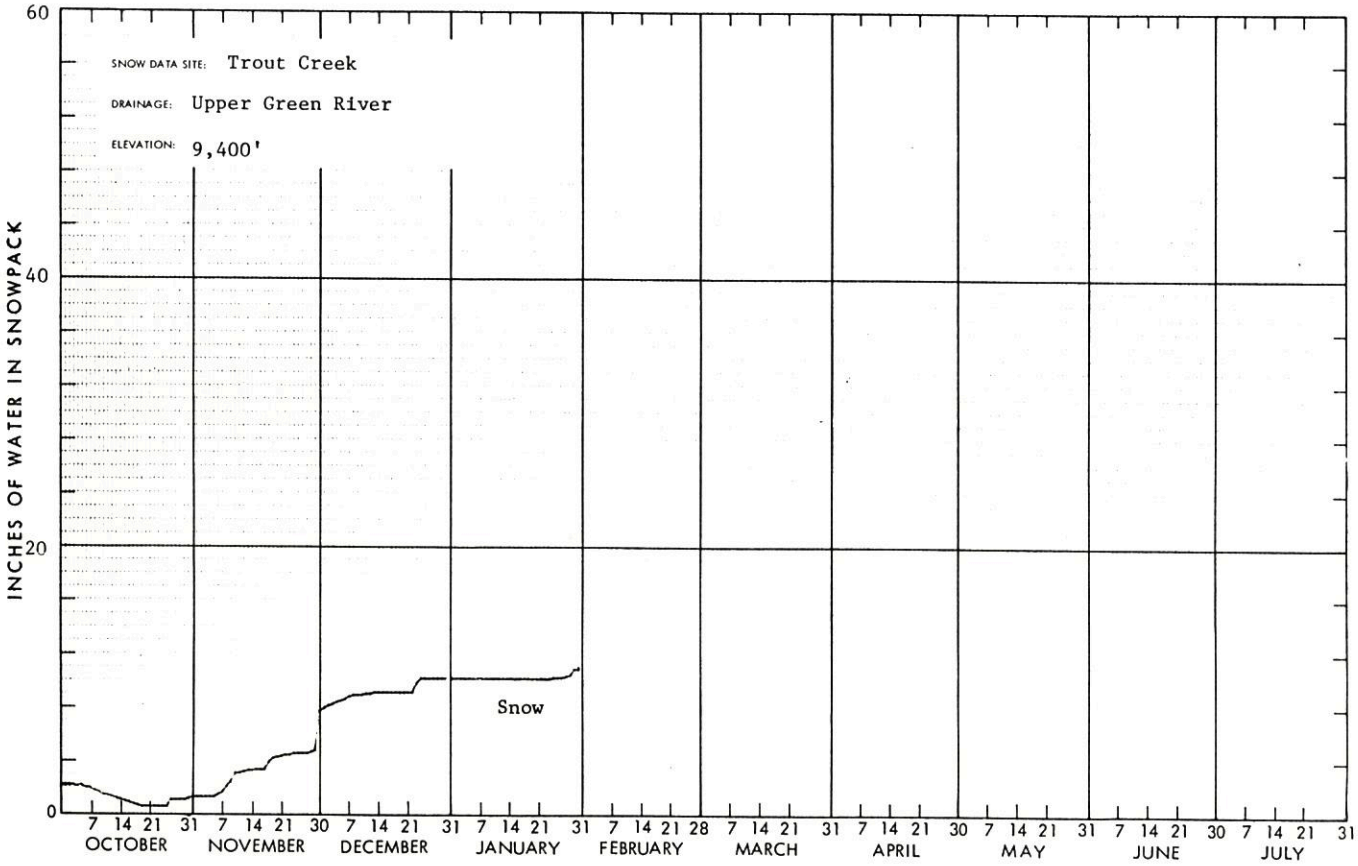

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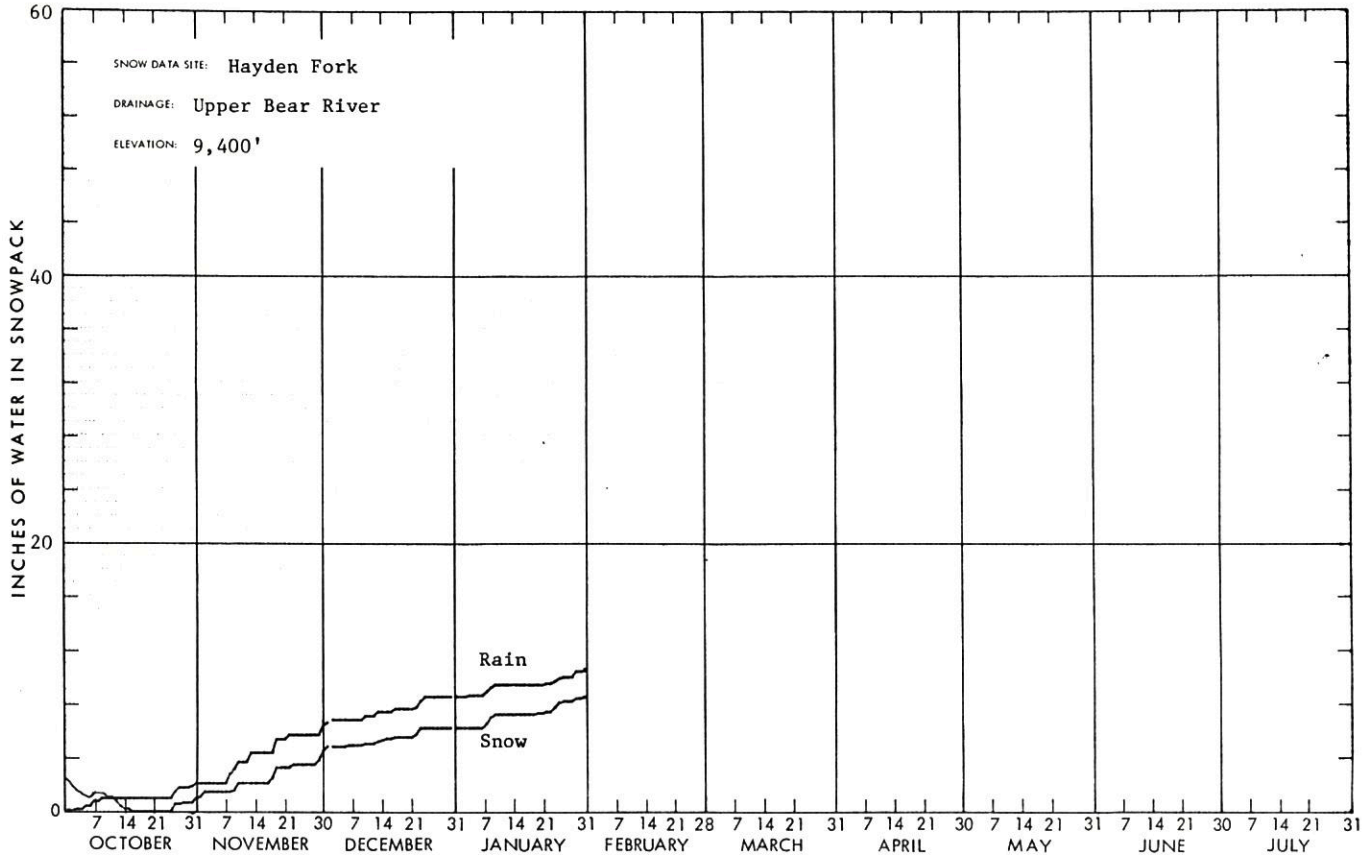
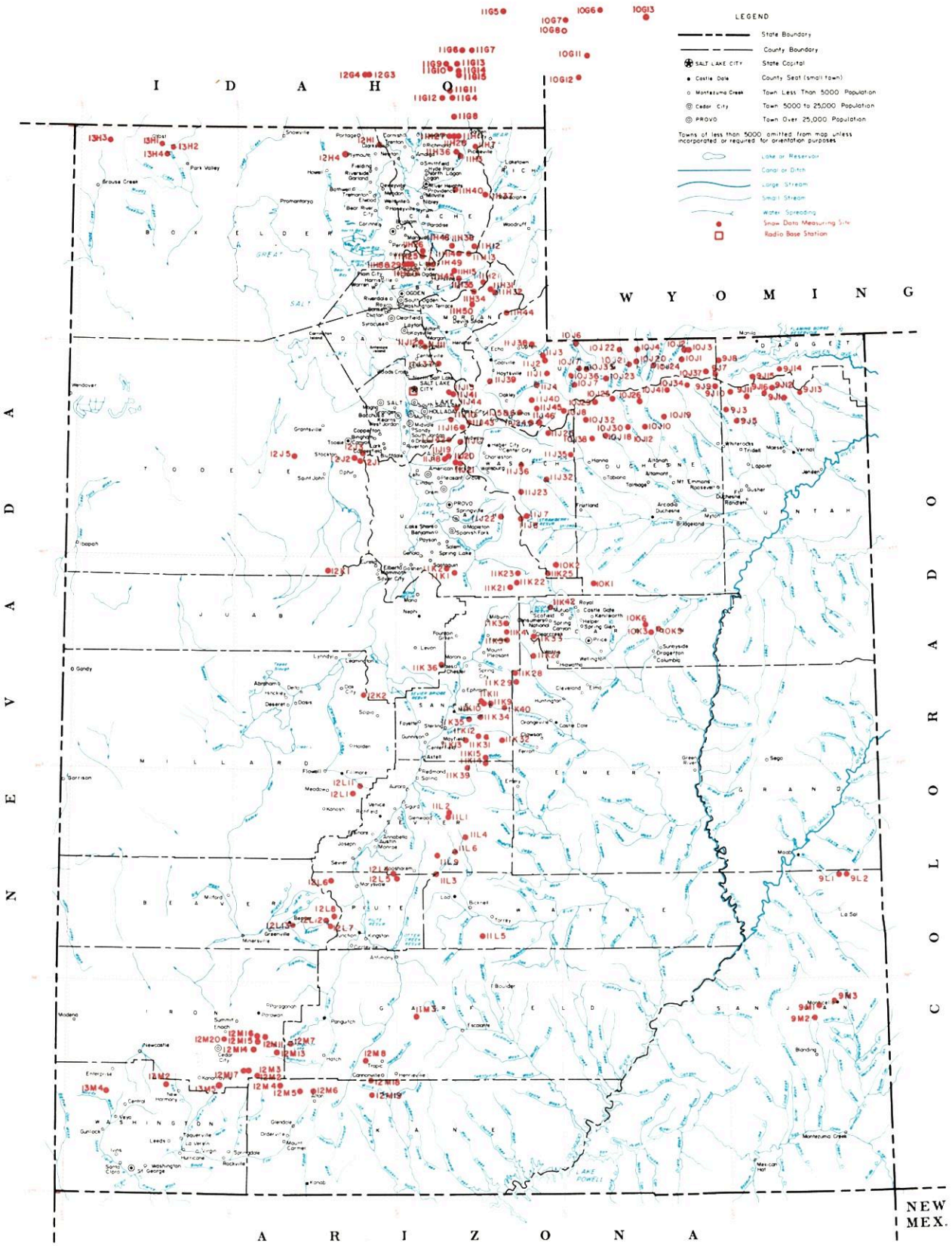

SNOW DATA SITE: Hayden Fork
DRAINAGE: Upper Bear River
ELEVATION: 9,400'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Rain
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USDA-SCS-PORTLAND, OR 1981 M7-01-27027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10GBP	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.
10J7PST	Snotel Data Site.

United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

March 1, 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

FRANCIS T. HOLT
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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN
State Engineer
Division of Water Rights

DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

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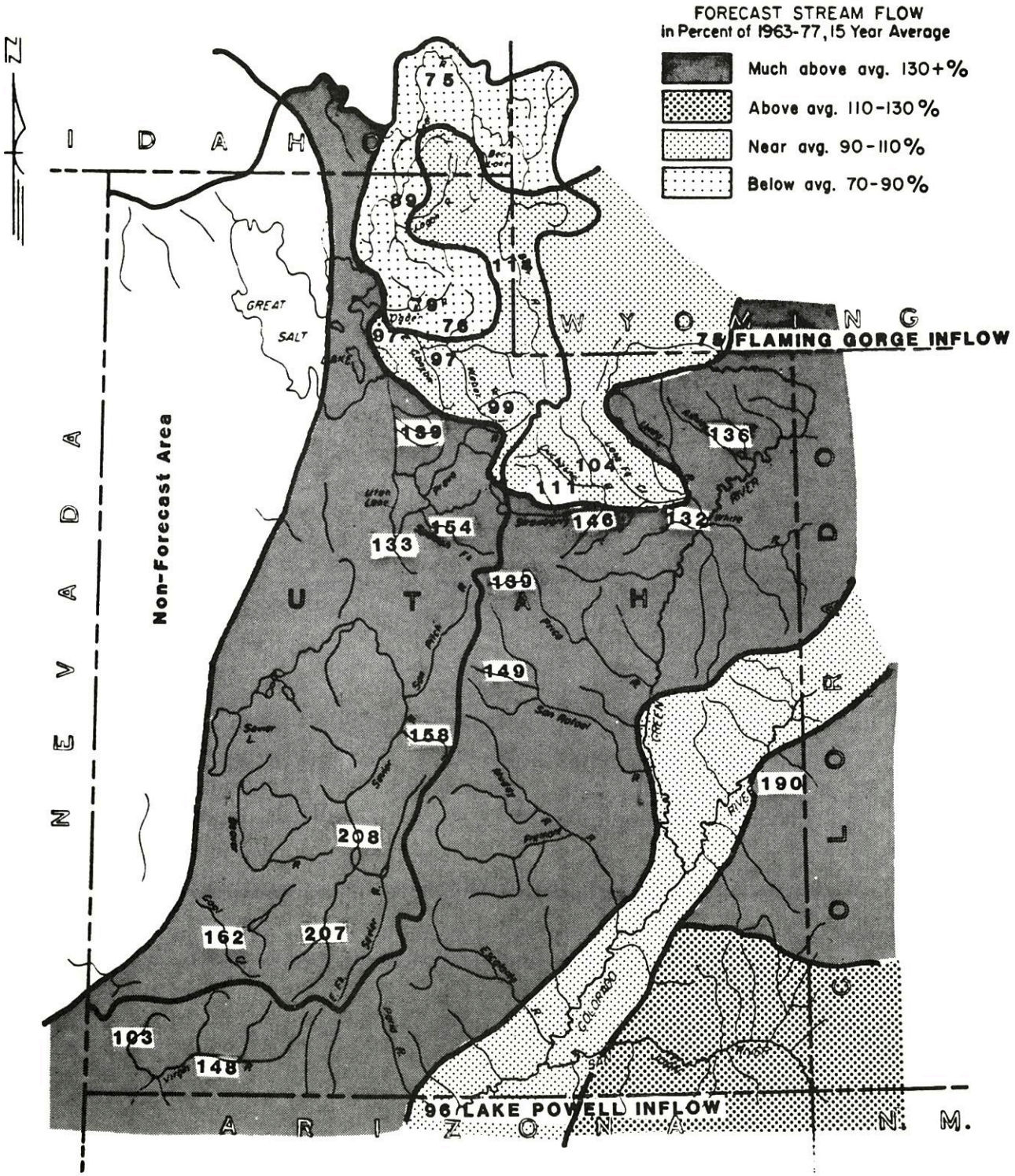
P.O. Box 11350
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

March 1, 1983

Approximate Date



USDA SCS PORTLAND, OREG 1970 M-2853

As Of March 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 Water Supply Outlook still ranges from     *
* below average in the north to well above average in the *
* southern part of the state.  Snow cover ranges from 79% *
* of average on the Upper Bear to 175% on the La Sal     *
* Mountains above Moab.  Soil moisture and reservoir     *
* storage are well above average.  Streamflow forecasts  *
* range from 70% of average on Woodruff Creek to 350% of *
* average for the Inflow to Minersville Reservoir.       *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

SNOW COVER

Snow measurements taken the last week of February range from 79% on the Upper Bear to 175% of average on La Sal Mountains above Moab. The Lower Bear is 95%, Logan 89%, Ogden 108%, Weber 104%, Provo-Utah Lake 112%, and Salt Lake Front 126% of the March 1 average. Uinta Basin snow cover ranges from 123% for Lakefork-Yellowstone to 145% for Ashley Creek. Uinta-Whiterocks is 134%, Strawberry River 124% and Blacks Fork on the north slope is 79% of average.

Price River snow cover is 105%, San Rafael 136%, Muddy 132% and Fremont 154%. The Sevier is 153% on the East Fork, 163% on the South Fork and 133% on the Lower Sevier. Beaver River is 154%, Coal Creek 169% and Virgin River 158%.

SNOTEL radio readings indicate as much as 4 to 6 inches of snow water increase in southern Utah in a week since snow measurements were made the last few days of February.

PRECIPITATION

Mountain precipitation during February was spotty and ranged from about 1/3 average on the head of Price River and the north slope of the Unitahs to better than twice average on Farmington Creek on the East side of Great Salt Lake.

SOIL MOISTURE

Watershed soils are much wetter this year than usual.

RESERVOIR STORAGE

Twenty-six of Utah's key irrigation reservoirs are now 129% of the March 1 average and 89% of capacity. This leaves only 11% of useable capacity yet to fill with spring runoff. Utah Lake is now 2.03 feet above compromise and Great Salt Lake is 4202.45 feet or 3.15 feet above last year on March.

STREAMFLOW FORECASTS

Forecasts of spring and summer streamflow now range from 70% of average in northern Utah to 350% in southern Utah. Forecasts on the Bear range from 114% at Woodruff to 75% at Harer, Idaho. Logan River is forecast 89%, Blacksmith Fork 90% and Little Bear 73% of average.

Pineview Inflow is forecast 90% and the Weber is forecast at just about average flow for the April-June period.

Uinta Basin forecasts range from 94% on Black's Fork to 146% for the Strawberry at Duchesne.

Provo River-Utah Lake forecasts range from 130 to 150% of average as do Price, San Rafael and Muddy Rivers.

Most of the other southern Utah streams, Sevier, Virgin, Beaver, Coal Creek and Mill Creek, range from 150 to better than 200%.

Peak flows are not expected to be a problem in northern Utah except as they add to the existing high water around Utah Lake, Jordan River and the Great Salt Lake.

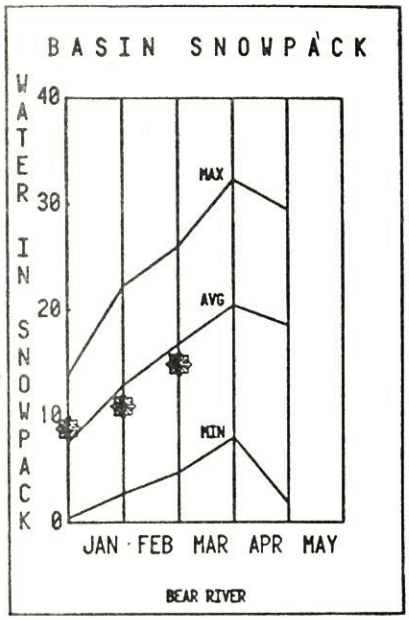
Peak flows in the southern part of the state are expected to be well above average and precautions should be taken to protect property near stream channels.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	1114.1	913.2	1030.6
	Woodruff Narrows	57.3	35.1	24.7	20.5
	Woodruff Creek	--	3.5	--	--
Beaver River	Minersville (RkyFd)	26.0	24.6	17.7	13.5
Little Bear	Hyrum	15.3	10.3	10.4	10.9
	Porcupine	11.3	4.2	2.6[e]	3.6
Ogden	Causey	6.9	1.1	3.6	2.0[b]
	Pineview	110.1	58.2	73.5	49.9
Provo	Deer Creek	149.7	109.1	107.0	106.6
Settlement Creek	Settlement Creek	1.2	1.0	0.6	--
	Vernon Creek	0.6	0.5	0.4	--
Sevier River	Gunnison	18.2	17.0	16.0	14.0
	Otter Creek	52.5	50.6	44.8	33.1
	Piute	71.8	56.0	64.4	44.9
	Sevier Bridge	236.0	234.0	198.5	131.4
	Panguitch Lake	22.3	20.5[e]	18.5	--
Spanish Fork	Strawberry	270.0	252.7	177.0	153.7
Utah Lake	Utah Lake	883.9	1096.7	850.8	719.8
Weber	East Canyon	48.1	40.2	34.2	28.3
	Echo	73.9	50.0	53.3	51.7
	Lost Creek	20.0	14.1	13.0	13.2
	Rockport	60.9	46.9	27.5	32.8
	Willard Bay	193.3	155.5	141.2	135.1
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	32.6	23.0	21.9
	Red Fleet	26.0	21.0	--	--
Colorado	Blue Mesa	829.5	478.4	267.6	--
	Lake Powell	25002.0	22231.0	19470.0	--
Green	Flaming Gorge	3749.0	3167.0	2663.9	--
Lakefork	Moon Lake	35.8	31.0	18.6[e]	18.3
Price River	Scofield	65.8	48.2	35.7	35.8
San Juan	Navajo	1696.0	1344.5	1202.9	--
	Ken's Lake	2.7	1.0	1.3	--
San Rafael	Huntington North	3.9	3.7	2.7	3.0[b]
	Joe's Valley	54.6	47.4	31.7	36.9[b]
	Mill Site	16.7	13.1	6.6	--
Strawberry	Starvation	165.3	121.4	144.4	130.0[b]
	Soldier Creek	951.4	46.4		
Uintah	Bottle Hollow	11.3	11.1	11.1	9.9[b]

b=less than 15 years.

USDA-SCS-PORTLAND, OREG. 1969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WATER IN SNOWPACK
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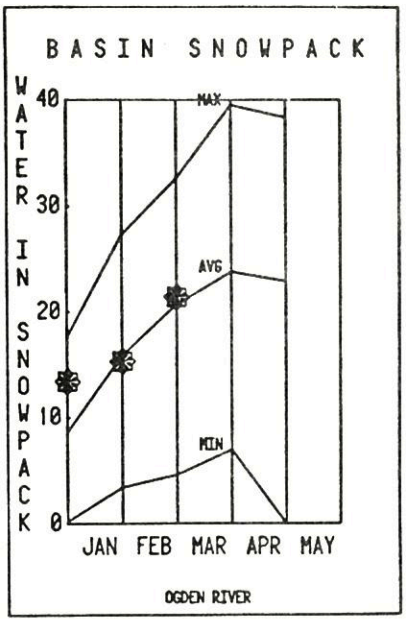
JAN FEB MAR APR MAY
BEAR RIVER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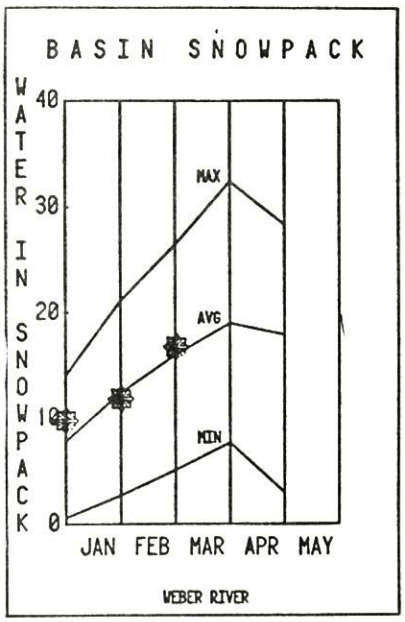
OGDEN RIVER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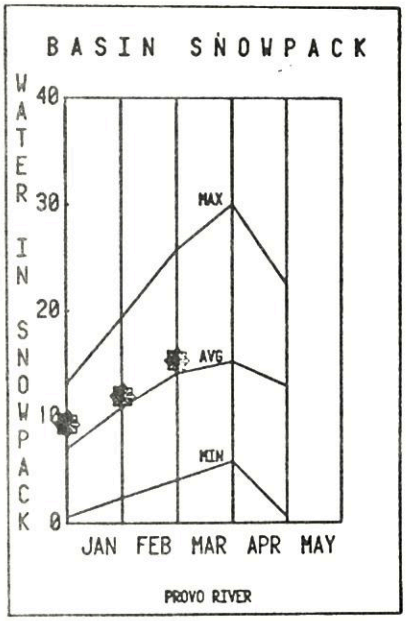
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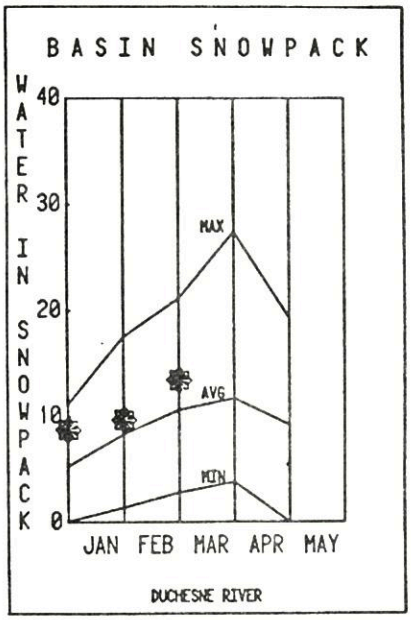
PROVO RIVER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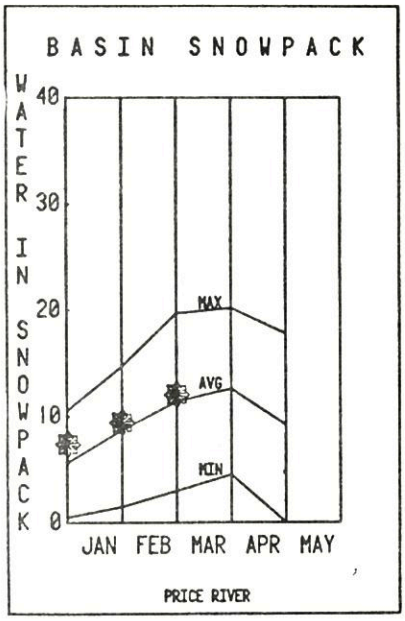
DUCHESNE RIVER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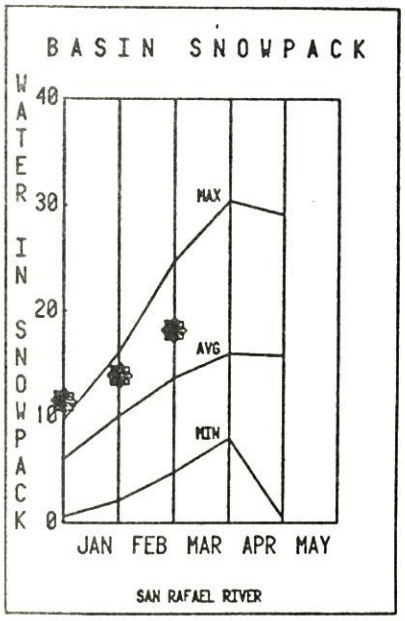
PRICE RIVER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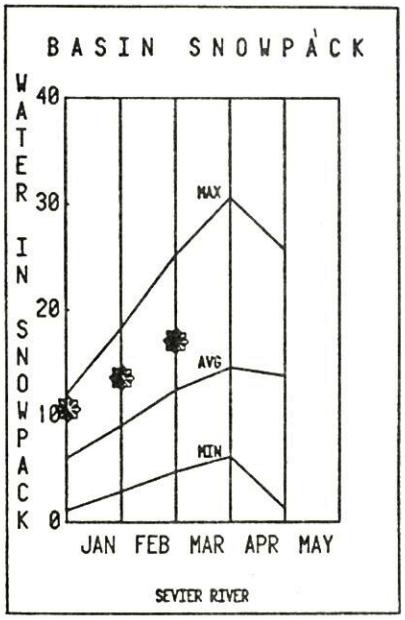
SAN RAFAEL RIVER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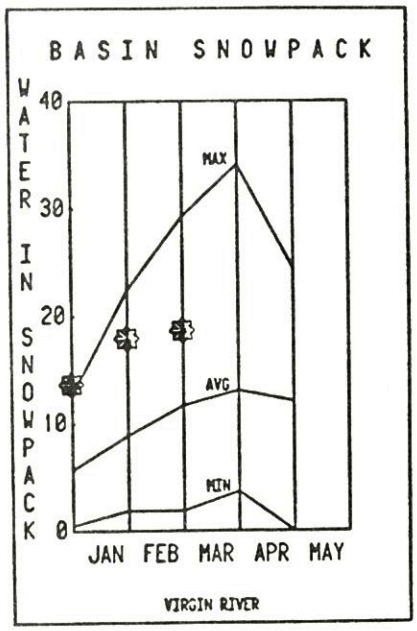
JAN FEB MAR APR MAY
SEVIER RIVER


BASIN SNOWPACK
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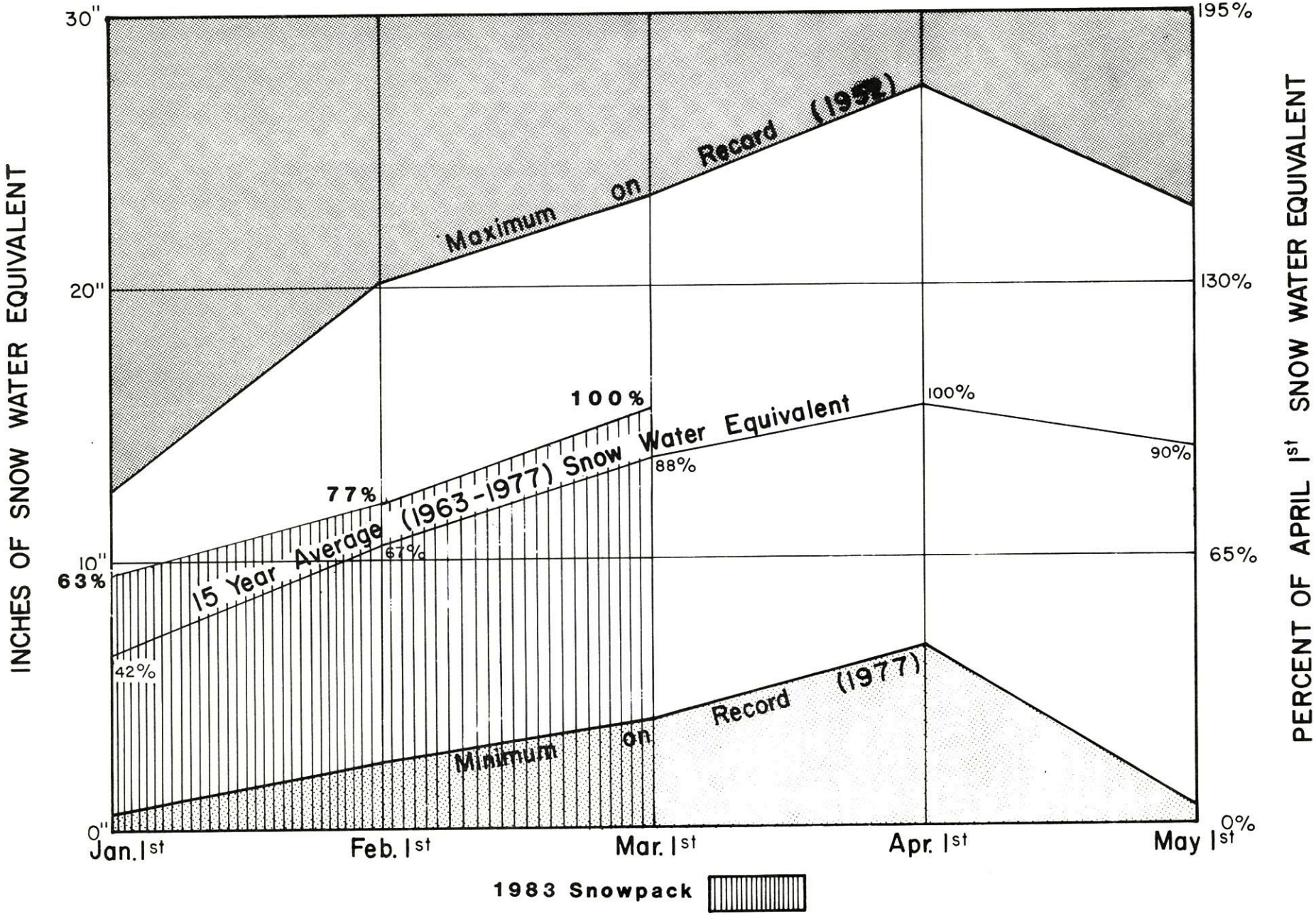
JAN FEB MAR APR MAY
VIRGIN RIVER

UTAH'S WINTER SNOWPACK

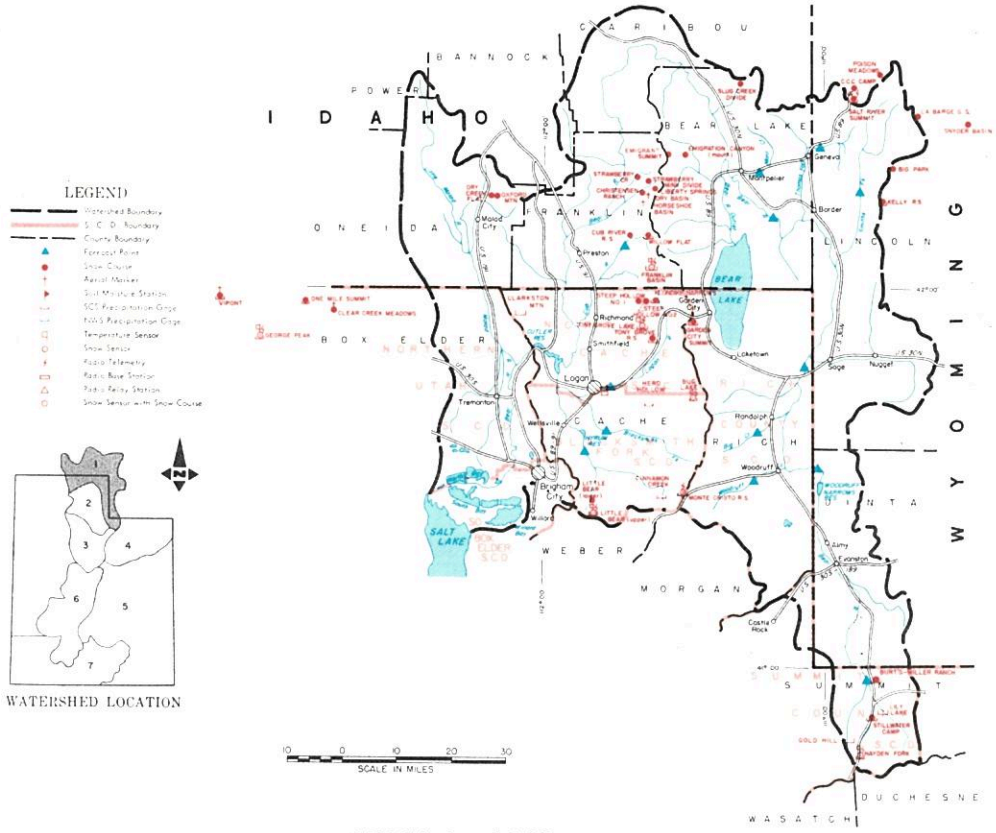
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1983

THE WATER SUPPLY OUTLOOK RANGES FROM BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER ranges from 79% of the March 1 average on the Upper Bear to 95% on the Lower Bear. The Logan River is 89% of average. Individual snow courses range from 74% of average at Salt River Summit to 116% at Christensen Ranch.

PRECIPITATION at mountain locations ranged from 47% of the February average at Bug Lake to 119% at Burts-Miller Ranch.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is above average (109%) and 77% of usable capacity.

STREAMFLOW FORECASTS generally dropped 2 to 6% and now range from 70% of the April-July average for Woodruff Creek to 114% of average for Bear River near Woodruff. The Bear is forecast 112% at State Line, 106% at Randolph and 75% at Harer, Idaho. Logan River is forecast 89%, Blacksmith Fork 90%, and Little Bear 73%. Thomas Fork is forecast 86% and Smiths Fork 80%.

Most water users are expected to have a near average water supply. Some on smaller streams without storage may have late season shortages.

Peak flows are expected to be in the near average range and should cause few problems with normal temperature and precipitation during snowmelt.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3/	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	127	112	Apr-July	146	114
Bear nr Woodruff	169	114	Apr-July	190	148
Woodruff Crk nr Woodruff, UT	12.9	70	Apr-July	--	18.4[b]
Big Creek nr Randolph, UT	5.7	105	Apr-July	--	5.4[b]
Bear nr Randolph	127	106	Apr-July	145	120
Thomas Fork nr ID-WY State Ln	30	86	Apr-Sept	--	35
Smith's Fork nr Border, WY	95	80	Apr-Sept	--	120
Bear at Harer, Idaho 1/	248	75	Apr-Sept	--	332
Logan nr Logan 1/	106	89	Apr-July	175	118
Blacksmith Fork nr Hyrum	48	90	Apr-July	83	54
Little Bear nr Paradise	28	73	Apr-June	65	38
Cub River nr Preston, ID	44	94	Apr-July	--	47

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	25	75	93
UPPER BEAR RIVER	4	68	79
LOWER BEAR RIVER	21	76	95
LOGAN RIVER	7	70	89

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
† - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	1114.1	913.2	1030.6
	Woodruff Narrows	57.3	35.1	24.7	20.5
	Woodruff Creek		3.5		
LITTLE BEAR	Hyrum	15.3	10.3	10.4	10.9
	Porcupine	11.3	4.2	2.6[e]	3.6

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	50-90	63
Logan River nr Logan	610-1200	1016
Woodruff Creek nr Woodruff	175-320	267
Little Bear nr Paradise	280-600	507
Bear nr. Ut.-Wyo. Stateline	1410-2160	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	2/24	16	3.6	5.8	--
Cub River R.S.	2/23	27	8.3	8.4	8.4
Emigrant Summit	3/1	70	22.4	29.4	21.7
Franklin Basin	2/23	56	18.8	26.2	22.7
Hayden Fork	2/24	36	10.3	15.1	12.7[a]
Klondike Narrows	2/22	48	14.2	21.5	17.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	2/22	34	9.7	9.9	9.2
Little Bear Upper	2/22	40	11.2	11.5	10.9
Monte Cristo	2/22	51	17.7	24.8	22.0
Salt River Summit	2/25	40	10.6	17.8	14.4
Stillwater Camp	2/24	29	7.5	11.0	
Tony Grove R.S.	2/22	43	10.8	12.8	10.9

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 841138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
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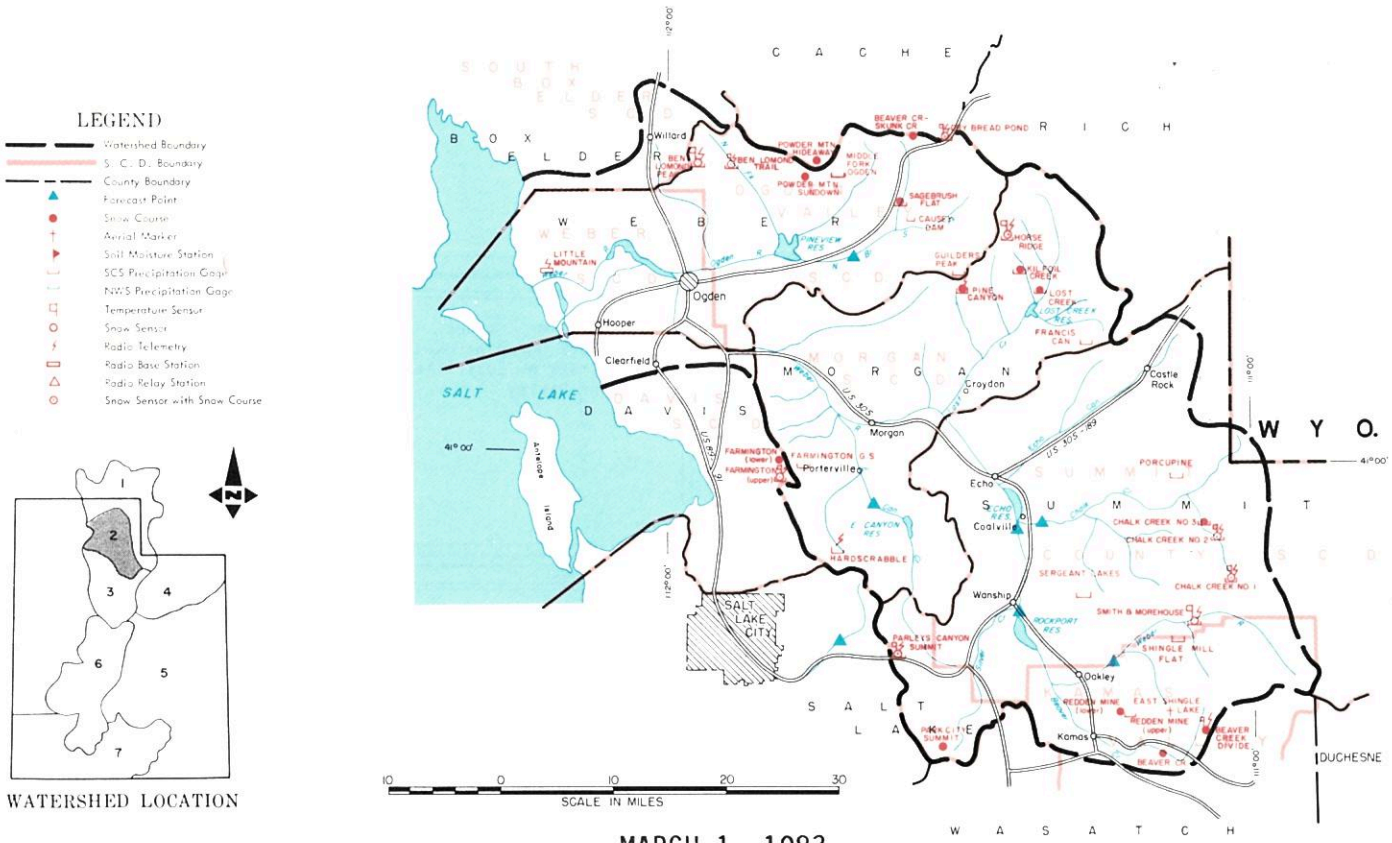

MARCH 1, 1983

THE 1983 WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER on the Ogden River drainage is 108% of average and 91% of last year at this time. Weber River snow cover is 104% of the March 1 average and 87% of a year ago. Individual snow courses range from 81% at Dry Bread Pond to 137% at Farmington Lower.

PRECIPITATION at mountain stations ranged from about 75% at Dry Bread Pond to 221% at Farmington Lower for February.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is 114% of the March 1 average on the Ogden and 117% on the Weber.

STREAMFLOW FORECASTS range from 76% of the April-June average for Lost Creek near Croydon to 125% for Farmington Creek. Weber River is forecast 99% at Oakley and Rockport Inflow, 97% at Coalville and Gateway, and 99% for Echo Inflow. Chalk Creek is forecast 102%, East Canyon 99%, and Hardscrabble 96%. The South Fork Ogden is forecast 79% and Pineview Inflow 90% of the April-June average.

Near average water supplies are expected for most users in this area and peak flows are expected to be near average and should not be a problem with normal temperature and precipitation during the snow melt season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	104	99	Apr-June	133	104
Rockport Reservoir Inflow 1/	112	99	Apr-June	172	112
Chalk Creek at Coalville	40	102	Apr-June	61	40
Weber nr Coalville	120	97	Apr-June	175	123
Lost Creek nr Croydon, UT	13.3	76	Apr-June	24	17.4b
East Canyon Creek nr Morgan 1/	26	99	Apr-June	44	26
Hardscrabble Crk nr Porterville	17.9	96	Apr-June	--	18.6b
South Fork Ogden nr Huntsville	45	79	Apr-June	92	57
Pineview Reservoir Inflow 2/	103	90	Apr-June	168	115
Echo Reservoir Inflow	159	99	Apr-June	215	160
Weber at Gateway	300	97	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	10.2	125	Apr-July	--	8.1b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	91	108
WEBER RIVER	12	87	104

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
OGDEN	Causey	6.9	1.1	3.6	2.0b
	Pineview	110.1	58.2	73.5	49.9
WEBER	East Canyon	48.1	40.2	34.2	28.3
	Echo	73.9	50.0	53.3	51.7
	Lost Creek	20.0	14.1	13.0	13.2b
	Rockport	60.9	46.9	30.1	32.8
	Willard Bay	193.3	155.5	141.2	135.1

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	150-270	220
South Fork Ogden nr Huntsville	500-740	772
Chalk Creek nr Coalville	400-750	568
Weber nr Oakley	1360-1830	1560

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	2/25	27	6.9	9.9	7.5
Beaver Creek-Skunk Creek	2/22	28	9.8	12.2	10.8
Ben Lomond Peak	2/22	99	35.2	34.7	29.1
Ben Lomond Trail	2/22	62	20.0	19.6	15.7b
Chalk Creek #1	2/24	58	17.7	24.9	18.0
Chalk Creek #2	2/24	41	10.8	15.0	12.2
Chalk Creek #3	2/24	26	6.3	7.8	6.7
Dry Bread Pond	2/22	40	13.0	18.4	16.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	2/22	52	16.1	22.2	18.2b
Lost Creek Reservoir	2/22	17	5.2	7.1	4.9b
Monte Cristo	2/22	51	17.7	24.8	22.0
Parleys Canyon Summit	2/25	54	15.3	17.8	16.1
Sagebrush Flat	2/22	16	4.8	6.5	5.0
Smith & Morehouse	2/24	39	11.0	13.0	11.4
Trial Lake	2/25	62	18.1	28.1	20.0

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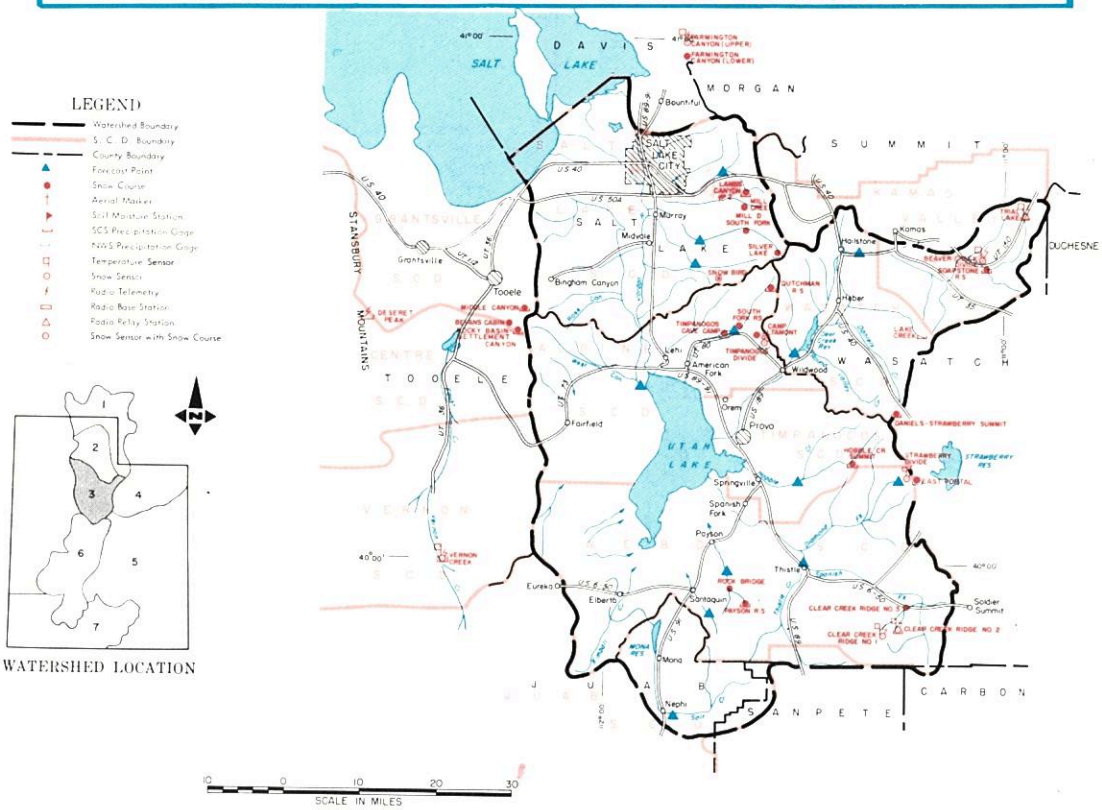
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 112% of the March 1 average on the Provo-Utah Lake drainage to 148% in Tooele Valley. Jordan River-Salt Lake drainages are 126% of average. February storms increased the snow pack as much as 13% along the Salt Lake front.

PRECIPITATION at mountain locations ranged from 92% of the February average at Hobble Creek Summit to 119% at Clear Creek Ridge #2.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is above average due to above average carryover last fall. Utah Lake is now 2.03 feet over compromise and Great Salt Lake 4202.45 feet or 3.15 feet above last year at this time.

STREAMFLOW FORECASTS range from 124% for Little Cottonwood Creek to 225% for Vernon Creek. Provo River is forecast 127% at Hailstone, 142% at Deer Creek Dam and Utah Lake Inflow 133% of the April-July average. American Fork is forecast 145%, Hobble Creek 142%, Strawberry Inflow 146%, Spanish Fork 154%, and Payson Creek 143%. Streams along the Salt Lake Front are forecast 139% for Big Cottonwood, 151% for Mill Creek, 162% for Parleys, 133% for Emigration Creek and 121% for City Creek. Settlement Creek is forecast 157% and South Willow 125% of the April-July average. Flooding is already occurring around Utah Lake and along the Jordan River. Precautions should be taken to protect property near stream channels and lakes.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	130	127	Apr-July	153	102
Provo below Deer Creek Dam 1/	170	142	Apr-July	--	120
American Fork nr American Fork	45	145	Apr-July	--	31
Hobble Creek nr Springville	28	142	Apr-July	--	19.7b
Strawberry Reservoir Inflow 1/	76	146	Apr-July	95	52
Spanish Fork at Thistle	60	154	Apr-July	--	39
Payson Creek nr Payson	9.0	143	Apr-July	--	6.3
Utah Lake Inflow	325	133	Apr-July	--	244
JORDON RIVER & SALT LAKE				--	--
Little Cottonwood Crk nr SLC	47	124	Apr-July	--	38
Big Cottonwood nr SLC	53	139	Apr-July	--	38
Parley's Creek nr SLC	25	162	Apr-July	--	15.4
Mill Creek nr SLC	9.5	151	Apr-July	--	6.3
Emigration Creek nr SLC	6.5	163	Apr-July	--	4.0
City Creek nr SLC	13.0	163	Apr-July	--	8.0
TOOELE VALLEY					
Vernon Creek nr Vernon	1.8	225	Mar-June	1.6	0.8
Settlement Crk nr Tooele	3.6	157	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.6	125	Apr-July	4.2	2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	87	112
JORDON RIVER & SALT LAKE	4	111	126
TOOELE VALLEY	2	176	148

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SPANISH FORK	Strawberry	270.0	252.7	177.0	153.7
UTAH LAKE	Utah Lake	883.9	1096.7	850.0	719.8
	Settlement Creek	1.2	1.0	0.6	--
	Vernon Creek	0.6	0.5	0.4	--
PROVO	Deer Creek	149.7	109.1	113.0	106.6

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Cottonwood nr Salt Lake City	450-550	500
Little Cottonwood nr Salt Lake City	475-575	525
Provo Near Hailstone	1700-2100	1900

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Bevans Cabin		NOT MEASURED			
Camp Altamont	2/26	55	18.4	17.1	13.4
Clear Creek #1	2/22	50	15.1	19.1	15.6
Clear Creek #2	2/22	42	12.0	16.1	11.8
Clear Creek #3	2/22	31	8.0	10.1	6.9
Daniels-Strawberry Summit	2/22	49	14.6	14.8	12.3
Deseret Peak		NOT MEASURED		24.6	--
Dutchman R.S.	2/26	59	19.1	22.0	14.4
Hobble Creek Summit	2/22	50	14.0	16.8	12.3
Lambs Canyon #2	2/25	47	13.9	17.8	--
Middle Canyon	2/27	56	15.6	9.3	12.1
Mill Creek	2/24	58	17.7	19.3	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mill D South Fork	2/24	59	18.4	21.5	17.1
Parley's Canyon Summit	2/25	54	15.3	17.8	16.1
Payson R.S.	2/25	55	17.9	19.2	16.5b
Rocky Basin-Settlement Canyon	NOT MEASURED			20.3	--
Silver Lake Brighton	2/24	67	23.0	26.2	19.6
Soapstone R.S.	2/25	35	9.2	13.9	11.1
South Fork R.S.	2/25	42	12.9	9.4	6.1
Timpanogos Divide	2/26	73	26.1	23.0	21.5
Trial Lake	2/25	62	18.1	28.1	20.0
Vernon Creek	2/27	56	16.0	8.6	9.3a

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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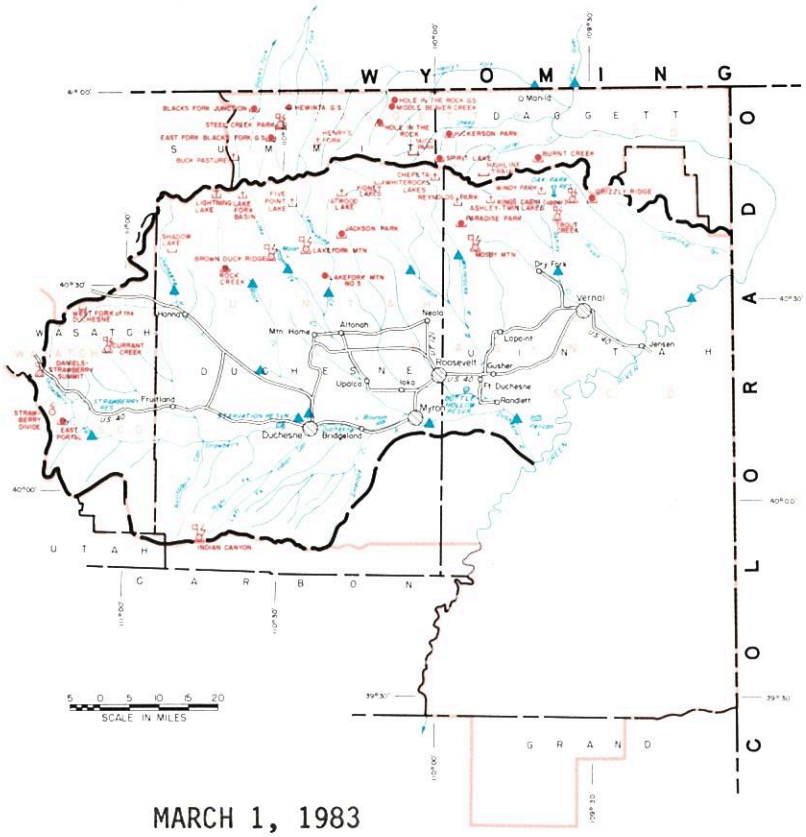
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

WATERSHED LOCATION



MARCH 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from 79% of the March 1 average on Black's Fork to 145% on Ashley Creek. The Uinta-Whiterocks drainage is now 134%, Lakefork-Yellowstone drainage is 123%, and Strawberry River 124% of the March 1 average.

PRECIPITATION at mountain stations ranged from 33% of the February average at Burnt Creek above Manila to 126% at Daniels-Strawberry Summit above Strawberry Reservoir.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 94% of average on Black's Fork to 146% for the Strawberry near Duchesne. Ashley Creek is forecast 136%, Whiterocks 132%, Uintah 143%, Yellowstone 127%, Lakefork 112%, Rock Creek 104%, and Currant Creek 122%. The Duchesne is forecast 111% at Tabiona, 108% at Duchesne, 129% at Myton, and 132% at Randlett. Henrys Fork is forecast 95% of average.

Water users in this area are expected to have adequate water supplies and peak flows are not expected to be a problem except possibly on the Strawberry above Duchesne. Precautions should be taken to protect property near the river channel.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	119	111	Apr-July	170	107
Duchesne at Duchesne 1/	209	108	Apr-July	264	193
Strawberry at Duchesne	83	146	Apr-July	91	57
Rock Creek nr Mtn. Home	99	104	Apr-July	112	95
Currant Creek nr Fruitland	25	122	Apr-July	32	20
Lakefork below Moon Lake 1/	80	112	Apr-July	79	72
Yellowstone nr Altonah	84	127	Apr-July	74	67
Duchesne at Myton 1/	271	129	Apr-July	275	210
Whiterocks nr Whiterock	79	132	Apr-July	62	60
Uintah nr Neola	127	143	Apr-July	90	89
Duchesne at Randlett 1/	351	132	Apr-July	336	266
West Fork Duchesne at Hanna	29	112	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	52	95	Apr-Sept	38	54
Black's Fork at Millburne	86	94	Apr-July	95	92
Flaming Gorge Inflow 1/	970	75	Apr-July	--	1292
Ashley Creek nr Vernal	70	136	Apr-July	50	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	12	105	130
LAKEFORK-YELLOWSTONE CREEKS	4	108	123
STRAWBERRY RIVER	4	95	124
UINTAH - WHITEROCKS RIVERS	3	126	134
ASHLEY CREEK	2	160	145
BLACK'S FORK	2	57	79

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
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e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
ASHLEY CREEK	Steinaker	33.3	32.6	23.0	21.9
GREEN RIVER	Flaming Gorge	3749.0	3167.0	2663.9	--
LAKE FORK	Moon Lake	35.8	31.0	18.6e	18.3
STRAWBERRY	Starvation	165.3	121.4	144.4	130.0b
UINTAH	Bottle Hollow	11.3	11.1	11.1	9.9b

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Strawberry at Duchesne	750-1160	656
Ashley Creek nr Vernal	860-1360	1030

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Brown Duck Ridge	2/24	65	18.8	20.7	14.1a
Currant Creek	2/22	39	10.3	10.1	7.8a
Daniels-Strawberry	2/22	49	14.6	14.8	12.3
Hewinta G. S.	2/24	28	7.4	10.3	7.3
Hickerson Park	2/24	25	5.3	6.2	5.0b
Jackson Park	2/24	49	13.6	11.3	12.2a
Kings Cabin Upper	2/24	41	11.6	8.6	8.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Lakefork Mountain	2/24	42	11.0	9.6	9.0
Mosby Mountain	2/24	37	10.5	7.5	7.7
Paradise Park	2/24	51	16.1	13.1	10.2
Rock Creek Ranch	2/24	30	8.0	7.4	5.2a
Spirit Lake	2/24	36	10.3	11.6	9.7
Steel Creek Park	2/24	50	12.3	17.5	12.8b
Strawberry Divide	3/1	71	19.8	20.9	16.5
Trout Creek	2/24	41	11.4	8.3	--

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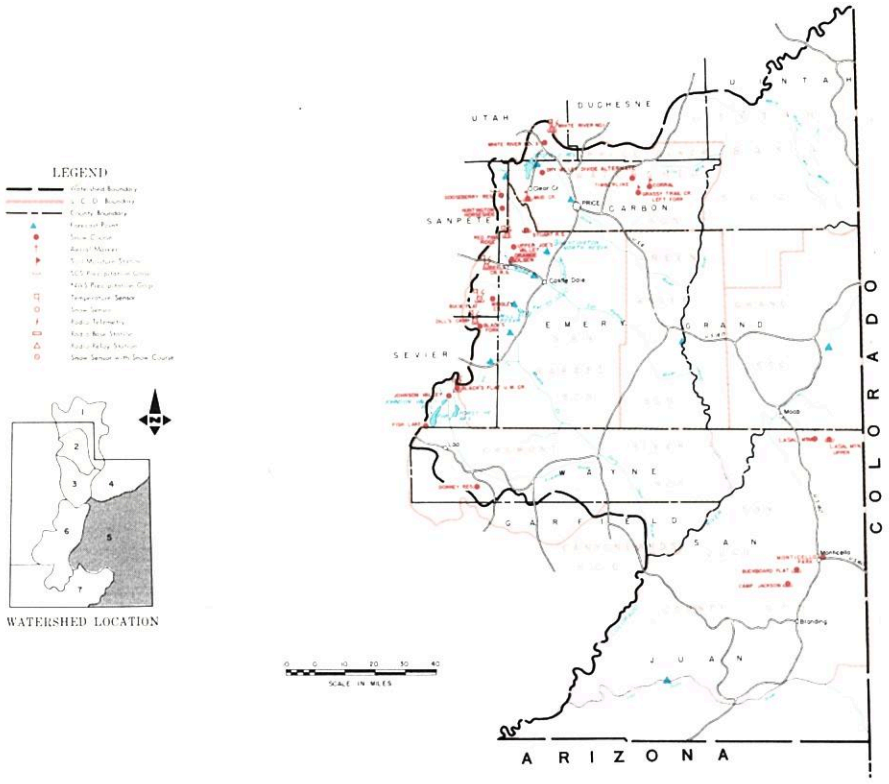
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 105% of the March 1 average on Price River to 175% on La Sal Mountains above Moab. San Rafael drainages are 136%, Muddy River is 132%, Fremont River 154%, and Blue Mountains above Monticello and Blanding are 164% of average.

PRECIPITATION at mountain locations ranged from 34% of the February average at Mud Creek above Scofield Reservoir to 170% at Fish Lake on the head of the Fremont River.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 159% on Ferron Creek to 88% for the Colorado at Cisco. Other forecasts are as follows: Scofield Inflow 149%, Price 125%, Huntington 149%, Cottonwood 149%, Muddy 144%, Mill Creek 190%, and Seven Mile Creek 116%. Green River is 94% and San Juan 110% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and or Forecast Point	This Year: Forecast Thousand Acre Feet	This Year: Forecast Percent of Average	Forecast Period	Past Record Thousand Acre Feet: Last Year 3	Past Record Thousand Acre Feet: Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	14.0	139	Apr-July	--	10.1
Scofield Reservoir Inflow	53	149	Apr-July	--	36
Price nr Heiner 1/	80	125	Apr-July	--	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	69	149	Apr-July	--	49b
Cottonwood Crk nr Orangeville	66	149	Apr-July	65	44b
Ferron Creek nr Ferron	54	159	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	24	144	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2400	88	Apr-July	--	2716
Green at Green River, UT	2790	94	Apr-July	--	2974
Mill Creek nr Moab	9.7	190	Apr-July	4.2	5.1b
Navajo Reservoir Inflow	680	112	Apr-July	--	608
San Juan nr Bluff, UT	955	110	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.4	116	Apr-July	7.2	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

River Basin and or Watershed	Number of Snow Courses	This Year as a Percent of: Last Year	This Year as a Percent of: Average
PRICE RIVER	3	76	105
SAN RAFAEL RIVER	6	99	136
FREMONT RIVER	3	119	154
LASAL MOUNTAINS	2	191	175
BLUE MOUNTAINS	2	205	164
MUDDY RIVER	2	88	132

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+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average †
PRICE RIVER	Scofield	65.8	48.2	35.7	35.8
SAN RAFAEL	Huntington North	3.9	3.7	2.7	3.0b
	Joe's Valley	54.6	47.4	31.7	36.9b
	Mill Site	16.7	13.1	6.6	--
SAN JUAN	Navajo	1696.0	1344.5	1202.9	--
	Kens Lake	2.7	1.0	1.3	--

PEAK FLOWS e

Forecast Point	Peak Flow Cubic Feet Per Second: Forecast Range	Peak Flow Cubic Feet Per Second: Average †
Ferron Creek near Ferron	480-790	422
Muddy Creek near Emery	180-310	154
Huntington Cr. near Huntington	800-900	850

SNOW

Drainage Basin and or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average †
Buck Flat	2/23	60	17.7	20.1	13.3
Buckboard Flat	2/24	48	13.9	6.7	8.8
Camp Jackson	2/24	54	17.4	8.6	10.3
Dills Camp	2/23	42	13.0	14.7	9.8a
Dry Valley Divide Alternate	2/22	38	10.3	12.5	--
Huntington-Horseshoe	2/22	77	28.0	26.0	19.5a
Mammoth-Cottonwood R.S.	2/22	69	21.7	23.3	17.4

SNOW

Drainage Basin and or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average †
Monticello City Park	2/24	0	0.0	0.0	--
Mud Creek	2/22	45	11.4	16.4	11.4
Red Pine Ridge	2/22	58	17.6	19.6	14.3
Seeley Creek	2/22	58	19.3	15.7	13.4
White River #1	2/22	43	12.6	14.9	11.3
White River #3	2/22	30	7.8	10.7	7.6

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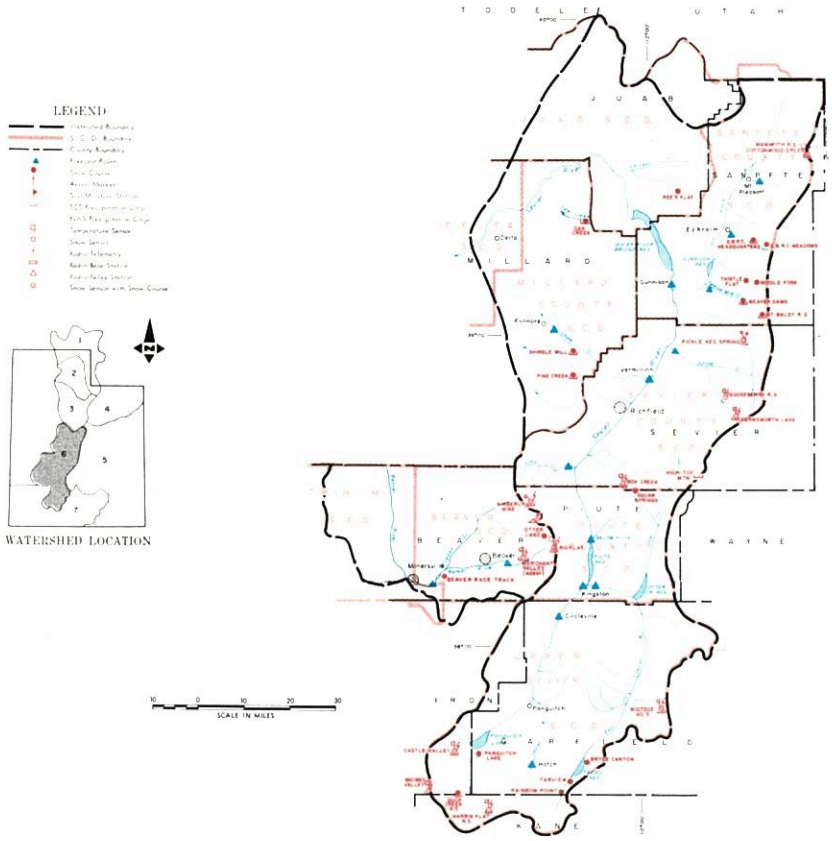
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 163% of the March 1 average on the South Fork Sevier to 133% on the Lower Sevier. The East Fork Sevier is now 153% and Beaver River 154% of average.

PRECIPITATION at mountain stations ranged from 83% of average at Duck Creek Reservoir to 179% at Gooseberry Reservoir.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is well above average. Sevier River storage is 151% of the March 1 average and Minersville is 182% with very little capacity left in any reservoir.

STREAMFLOW FORECASTS now range from 350% for Minersville Inflow to 119% on Salt Creek near Nephi. Sevier River is forecast 207% at Hatch and Circleville, 209% at Kingston, 208% at Piute Dam and 170% at Gunnison. Clear Creek is forecast 152%, Antimony 177%, Salina Creek 158%, Ephriam Creek 159%, Pleasant Creek 137%, Chicken Creek 224%, Oak Creek 193% and Chalk Creek 190%. Beaver River is forecast 199% and North Creeks 181% of the April-July average. Peak flows are expected to be well above average and precautions should be taken to protect property near stream channels.

USDA-SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR: FORECAST: Thousand Acre Feet	THIS YEAR: FORECAST: Percent of Average	FORECAST PERIOD	PAST RECORD: THOUSAND ACRE FEET: Last Year 3	PAST RECORD: THOUSAND ACRE FEET: Average †
SEVIER RIVER					
Sevier at Hatch	85	207	Apr-July	--	41
Sevier nr Circleville	60	207	Apr-July	--	29
Sevier nr Kingston	48	209	Apr-July	--	23
Antimony Crk nr Antimony	12.2	177	Apr-July	--	6.9
East Fork Sevier nr Kingston1/	27	178	Apr-July	--	15.2
Sevier below Piute Dam	75	208	Apr-July	--	36
Clear Crk nr Sevier (abv Div)	27	152	Apr-July	--	17.8
Sigurd to Gunnison	47	181	Apr-July	--	--
Kingston to Vermillion Dam	90	160	Apr-June	--	56
Vermillion Dam to Gunnison	65	186	Mar-June	--	35
Salina Creek at Salina	17.5	158	Apr-June	--	11.1
Sevier nr Gunnison	85	170	Apr-July	--	50
Chalk Creek nr Fillmore	31	190	Apr-July	--	16.3
Chicken Creek nr Levan	6.9	224	Apr-July	6.0	3.1
Oak Cr. nr Oak City	2.7	193	Apr-July	1.9	1.4
Ephraim Creek nr Ephraim	23.5	159	Apr-July	--	14.5
Pleasant Crk nr Mt. Pleasant	11.5	137	Apr-July	--	8.4
Salt Creek nr. Nephi	14.5	119	Apr-July	--	12.2
Beaver nr Beaver	40	199	Apr-July	31	20
North Creek (Combined)	25	181	Apr-July	--	13.7b
Minersville Inflow	23	350	Apr-June	--	6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON TO PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF: Last Year	THIS YEAR AS A PERCENT OF: Average
UPPER SEVIER RIVER	9	164	161
East Fork Sevier	3	124	153
South Fork Sevier	6	183	163
LOWER SEVIER	12	111	133
BEAVER RIVER	3	112	154

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE: This Year	USEABLE STORAGE: Last Year	USEABLE STORAGE: Average †
SEVIER RIVER	Gunnison	18.2	17.0	16.0	14.0
	Otter Creek	52.5	50.6	44.8	33.1
	Piute	71.8	56.0	64.4	44.9
	Sevier Bridge	236.0	234.0	198.5	131.4
	Panguitch Lake	22.3	20.5e	18.5	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	24.6	17.7	13.5

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET): Forecast Range	PEAK FLOW (SECOND FEET): Average †
Sevier River at Hatch	750-850	418
Sevier River nr Kingston	450-650	263
Beaver River nr Beaver	340-610	211

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average †
Big Flat	2/25	67	19.3	18.2	12.8
Bryce Canyon	2/23	29	7.9	4.9	3.9
Castle Valley	2/24	52	17.1	11.5	10.6
Duck Creek	2/24	52	15.7	8.0	10.7
Farnsworth Lake	2/23	54	16.1	18.1	15.1
Gooseberry R.S.	2/23	36	10.0	11.5	10.1
Harris Flat	2/23	37	11.5	4.8	6.9
Kimberly Mine	2/25	53	15.7	14.1	12.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average †
Long Valley Junction	2/23	23	7.1	2.8	4.0
Merchants Valley Upper	2/25	53	14.9	9.6	9.6b
Midway Valley	2/24	81	28.3	12.2	16.6
Oak Creek	2/25	55	17.6	8.5	10.0a
Otter Lake	2/25	55	15.5	16.4	9.9
Pickle Keg Springs	2/23	55	17.4	16.8	13.2a
Pine Creek	2/25	58	19.0	13.6	13.1
Ree's Flat	2/25	59	17.9	14.8	10.3b
Widtsoe-Escalante #3	2/23	41	11.6	10.1	8.3

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

MARCH 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 134% of average on the Enterprise-New Harmony drainages to 169% on Coal Creek. Virgin River is 158% and Parowan Creek 142% of the March 1 average. SNOTEL readings indicate an additional 3-4 inches of snow water increase in the week following the snow surveys.

PRECIPITATION at mountain stations ranged from 80% of the February average at Webster Flat to 144% at Tall Poles in Parowan Canyon.

SOIL MOISTURE is above average under the snow pack.

RESERVOIR STORAGE is above average with Gunlock reported full and Baker reservoir almost full.

STREAMFLOW FORECASTS range from 96% for the Inflow to Lake Powell to 163% for Santa Clara Creek. Coal Creek is forecast 162% and Virgin River 148% of average. Peak flows in this area are expected to be higher than average and precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	72	148	Apr-June	52	48.0
Santa Clara nr Pine Valley	6.7	163	Apr-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	27	162	Apr-July	22	17.0
UPPER COLORADO					
Lake Powell Inflow	6700	96	Apr-July	--	6952.0

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	213	169
VIRGIN RIVER	3	214	158
PAROWAN CREEK	4	149	142
ENTERPRISE - NEW HARMONY	2	256	134

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
COLORADO	Lake Powell	25002.0	22231.0	1947.0	--
	Blue Mesa	829.5	478.4	267.0	--

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City	400-500	450
Virgin nr Virgin		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	2/28	27	8.0	5.6	6.0[b]
Brian Head	2/23	65	21.8	16.2	16.3[b]
Harris Flat	2/23	37	11.5	4.8	6.9
Kolob-Crystal	2/24	74	26.2	11.6	17.3[a]
Little Grassy	2/24	8	2.8	1.1	3.6
Long Flat	2/24	32	9.5	3.7	5.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	2/23	23	7.1	2.8	4.0
SUSC Ranch	2/28	45	13.5	6.3	7.5[b]
Tall Poles	2/28	51	17.8	10.5	11.5[b]
Webster Flat	2/24	61	22.4	11.6	13.9
Yankee Reservoir	2/24	36	10.8	6.9	7.4

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN CONT.											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	2/25	36	8.6	13.3	10.9[a]	3/1	4.30[a]		14.30[a]		
Camp Altamont	2/26	55	19.2	17.1	13.4						
Clear Creek Ridge #1	2/22	50	15.1	19.1	15.6	3/1	3.10[a]		16.80[a]		
Clear Creek Ridge #2	2/22	42	12.0	16.1	11.8	2/22	2.95	2.48[b]	14.34	13.35[b]	107
Clear Creek Ridge #3	2/22	31	8.0	10.1	6.9						
Dutchman R.S.	2/26	59	19.1	22.0	14.4	2/26					
Hobble Creek Summit	2/22	50	14.0	16.8	12.3	2/22	4.04	4.39[b]	17.34	17.75[b]	98
Payson R.S.	2/25	55	17.9	19.2	16.5[b]	2/25	2.44		16.42	14.49	113
Soapstone R.S.	2/25	35	9.2	13.9	11.1	2/25	2.74	3.01	12.89	15.05	86
South Fork R.S.	2/25	42	12.9	9.4	6.1						
Timpanogos Cave Camp	2/25	10	3.0	2.4	2.4						
Timpanogos Divide	2/26	73	26.1	23.0	21.5	2/26	4.05	4.30	25.45	21.73	117
Trial Lake	2/25	62	18.1	28.1	20.0	2/24	4.15	3.87	20.62	20.07	103
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon #2	2/25	47	13.9	17.8	--	2/25	2.80		13.00		
Middle Canyon	2/27	56	15.6	9.3	12.1	2/27		2.79		13.02	
Mill Creek	2/24	58	17.7	19.3	--						
Mill D South Fork	2/24	59	18.4	21.5	17.1						
Silver Lake (Brighton)	2/24	67	23.0	26.2	19.6						
Snow Bird (Gad Valley)	2/26	101	31.4	35.0	--						
Vernon Creek	2/27	56	16.0	8.6	9.3[a]	2/27	4.65		19.60	12.76[b]	154
Deseret Peak				24.6	--						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	3/3	69	17.9								
Black's Fork G.S.-East Fork	2/24	25	6.0	11.0	7.4	2/24	2.00		14.04	9.51	148
Black's Fork Junction	2/24	26	5.7	9.7	7.4	2/24	1.77			9.37	
Buck Pasture (A)	3/3	61	13.4								
Burnt Creek	2/28	19	4.1	3.2	4.2[b]	2/28	0.40	1.23[b]	7.00	7.32[b]	96
Grizzly Ridge	2/28	42	11.7	6.0	8.0[b]	2/28	1.85	1.80[b]	13.75	10.55	130
Hewinta G.S.	2/24	28	7.4	10.3	7.3	2/24	1.90		9.61	10.06	95
Hickerson Park	2/24	25	5.3	6.2	5.0[b]	2/24	0.73		7.25	7.65[b]	95
King's Cabin (upper)	2/24	41	11.6	8.6	8.1	2/24	1.23		10.84	9.24	117
Reynolds Park (A)	3/3	73	21.9								
Spirit Lake	2/24	36	10.3	11.6	9.7						
Steel Creek Park	2/24	50	12.3	17.5	12.8[b]	2/24	1.43		11.98	11.04	109
Trout Creek	2/24	41	11.4	8.3		2/24	2.19		9.25		
Henrys Fork (A)	3/3	43	10.8			2/24	1.02		11.47		
DUCHESNE RIVER											
Atwood Lake (A)											
Brown Duck Ridge	2/24	65	18.8	20.7	14.1[a]	2/24	2.00		14.04		
Chepeta	2/24	49	13.0	11.8		3/1	2.10[a]		12.40[a]		
Currant Creek	2/22	39	10.3	10.1	7.8[a]	2/22	2.78		11.98		
Daniels-Strawberry Summit	2/22	49	14.6	14.9	12.3	2/22	3.92	3.10	15.89	15.13	105
East Portal	3/1	57	12.8	15.0	9.6	3/1	5.09	3.08	16.80	14.22	
Five Points Lake (A)											
Indian Canyon	2/22	47	14.3	13.1	10.1	2/22	2.21	2.18	13.48	10.87	124
Jackson Park	2/24	49	13.6	11.3	12.2[a]	2/24	1.70		12.64		
Lakefork Basin (A)											
Lakefork Mountain #1	2/24	42	11.0	9.6	9.0	2/24	1.62	1.86	11.53	10.54	109
Lakefork Mountain #3	2/24	27	6.4	4.6	5.3						
Lightning Lake (A)											
Mosby Mountain	2/24	37	10.5	7.5	7.7	2/24	1.61	1.66[b]	12.52	10.53	119
Paradise Park	2/24	51	16.1	13.1	10.2	2/24	1.91	1.91[b]		11.27	
Rock Creek Ranch	2/24	30	8.0	7.4	5.2[a]	2/24	1.92		11.63		
Strawberry Divide	3/1	71	19.8	20.9	16.5	3/1	5.10[a]		19.90[a]		
Chepeta-Whiterocks(A)	3/3	65	16.2								

+ 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX OCT 1 TO DATE This Year	FROM APPROX OCT 1 TO DATE Average +	FROM APPROX OCT 1 TO DATE Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	2/24	16	3.6	5.8	--	2/24	1.11	0.93[b]	6.71	7.25[b]	93
CCC Camp	2/24	33	8.8	11.8	11.1			--		--	
Hayden Fork	2/24	36	10.3	15.1	12.7[a]	2/24	2.70	2.87[a]	10.32	12.86[a]	80
Monte Cristo R.S.	2/22	51	17.7	24.8	22.0	2/22	3.84	4.15[b]	17.50	21.27	82
Salt River Summit	2/25	40	10.6	17.8	14.4	2/25	2.12	2.91	12.10	14.26	85
Stillwater Camp	2/24	29	7.5	11.0	--	2/24	1.89	1.64[b]	9.52	10.09[b]	94
Lily Lake	2/24	40	9.1	15.6	--	2/24	2.13	2.23[b]	10.40	12.11[b]	86
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	2/22	44	11.8	22.9	15.6[a]	2/22	2.49	5.28[b]	10.45	18.21[b]	57
Christensen Ranch	2/23	32	9.2	9.5	7.9			--		--	
Cliff Canyon	2/23	52	19.2	10.0	--			--		--	
Cub River R.S.	2/23	27	8.3	8.4	8.4			--		--	
Daniels Creek	2/23	28	7.3	7.1	--			--		--	
Dry Basin	2/23	72	24.8	30.7	24.2[b]			--		--	
Dry Creek Flat	2/23	27	8.3	9.3	7.4			--		--	
Emigrant Summit	3/1	70	22.4	29.4	21.7			--		--	
Emigration Canyon	3/1	38	10.7	11.4	9.7			--		--	
Franklin Basin	2/23	56	18.8	26.2	22.7	3/1	5.00[a]	5.78[a]	22.30[a]	21.23[a]	105
Garden City Summit	2/22	39	11.6	18.2	15.3	2/22	3.64	3.47	14.30	15.80	90
Horseshoe Basin	2/23	66	23.3	27.5	22.0[b]			--		--	
Klondike Narrows	2/22	48	14.2	21.5	17.3	2/22	2.98	4.99[b]	16.31	19.93[b]	82
Liberty Spring	2/23	89	32.5	46.9	32.7			--		--	
Little Bear (lower)	2/22	34	9.7	9.9	9.2			--		--	
Little Bear (upper)	2/22	40	11.2	11.5	10.9	2/22	3.64	3.19[a]	20.11	17.14[b]	117
Lower Elkhorn	2/23	43	13.2	18.0	12.7[b]			--		--	
Oxford Mountain	2/23	30	8.4	11.6	9.4[b]			--		--	
Slug Creek Divide	3/1	44	12.8	17.3	14.8			--		--	
Steep Hollow #1	2/22	84	28.7	41.1	30.8			--		--	
Steep Hollow #2	2/22	64	21.1	26.7	22.4			--		--	
Strawberry Creek	3/1	33	11.5	10.9	9.6			--		--	
Strawberry Mink Divide	2/23	56	18.4	21.0	18.7			--		--	
Tony Grove Lake	2/22	78	26.1	40.5	28.4[a]	3/1	5.10[a]	5.76[a]	23.14[a]	31.69[a]	73
Tony Grove R.S.	2/22	43	10.8	12.8	10.9	2/22	2.79	3.10[b]	12.73	14.93[b]	85
Upper Elkhorn	2/23	54	17.8	20.3	16.4[b]			--		--	
Willow Flat	2/23	42	12.9	14.9	13.9	2/23	3.62	3.71	20.06	18.85	106
Worm Creek	2/23	49	16.0	16.9	--			--		--	
OGDEN RIVER											
Beaver Creek-Skunk Creek	2/22	28	9.8	12.2	10.8			--		--	
Ben Lomond Peak	2/22	99	35.2	34.7	29.1			7.67[b]		34.23[b]	
Ben Lomond Trail	2/22	62	20.0	19.6	15.7[b]	2/22	5.42	4.47[b]	26.05	24.98[b]	104
Causey Dam						2/22	2.10	2.42[b]	9.69	11.91	81
Dry Bread Pond	2/22	40	13.0	18.4	16.0	3/1	2.60[a]	3.47[b]	13.30[a]	16.96[b]	78
Sagebrush Flat	2/22	16	4.8	6.5	5.0			2.58		12.07	
WEBER RIVER											
Beaver Creek R.S.	2/25	27	6.9	9.9	7.5			--		--	
Chalk Creek #1	2/24	58	17.7	24.9	18.0	3/1	4.00[a]	4.60[a]	18.40[a]	18.38[a]	100
Chalk Creek #2	2/24	41	10.8	15.0	12.2	3/1	2.70[a]	2.24[b]	11.80[a]	13.17[b]	90
Chalk Creek #3	2/24	26	6.3	7.8	6.7	2/24	1.97	1.82[b]	10.26	11.26[b]	91
Farmington Canyon (lower)	2/22	80	25.2	20.4	18.4[b]	2/22	8.94	4.04[b]		22.40	
Farmington Canyon (upper)	2/22	91	30.6	27.9	25.3[b]	2/22	10.37[a]	6.17[a]	30.43[a]	22.44[a]	136
Farmington G.S.	2/22	74	--	18.9[a]	--	2/22	8.25	4.21[b]	--	19.40[b]	
Hardscrabble	2/22	55	17.5	16.1	--			--		--	
Horse Ridge	2/22	52	16.1	22.2	18.2[b]	2/22	3.91	3.79[b]	18.18	19.40[b]	94
Kilfoil Creek	2/22	43	12.2	14.1	11.6[b]			--		--	
Lost Creek Reservoir	2/22	17	5.2	7.1	4.9[b]	2/22	2.82	1.72[b]	8.20	9.16[b]	90
Park City Summit	3/1	100	34.2	38.8	--			--		--	
Parley's Canyon Summit	2/25	54	15.3	17.8	16.1	2/25	4.26	3.68	17.15	18.48	93
Pine Canyon	2/22	48	16.1	16.9	--			--		--	
Redden Mine (lower)	2/24	49	14.8	16.9	15.0	2.24	3.14	--	15.28	--	
Smith & Morehouse	2/24	39	11.0	13.0	11.4	2.24	3.08	2.81	13.46	14.71	92
Sargeant Lake (A)	3/3	36	10.4								

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

+ 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
PRICE RIVER											
Dry Valley Divide Alternate	2/22	38	10.3	12.5	--						
Mud Creek	2/22	45	11.4	16.4	11.4	2/22	0.84	2.49	--	11.69	--
White River #1	2/22	43	12.6	14.9	11.3	2/22	3.22		13.01	11.08	117
White River #3	2/22	30	7.8	10.7	7.6						
SAN RAFAEL RIVER											
Buck Flat	2/23	60	17.7	20.1	13.3	2/23	3.16	3.21	16.63	14.50	115
Huntington-Horseshoe	2/22	77	28.0	26.0	19.5[a]						
Orange Olsen	2/22	32	8.5	6.6	--	2/22	1.49	1.17	15.69	6.39	246
Red Pine Ridge	2/22	58	17.6	19.6	14.3	3/1	3.60[a]	3.48	18.00[a]	16.25	111
Seeley Creek R.S.	2/22	58	19.3	15.7	13.4	3/1	3.20[a]		12.70[a]		
Stuart R.S.	2/22	35	9.2	11.2	--	2/22	2.29		8.99		
Upper Joe's Valley	2/22	42	11.4	12.7	8.8						
Wrigley Creek	2/23	44	12.3	12.8	8.9						
MUDDY RIVER											
Black's Fork	2/23	44	14.1	16.1	10.8[a]						
Dill's Camp	2/23	42	13.0	14.7	9.8[a]	2/23	2.17		14.80		
FREMONT RIVER											
Black's Flat-U.M. Creek	2/23	41	11.7	1.4	8.9	2/23	1.98		8.99	9.64[b]	93
Fish Lake	2/23	38	12.2	8.4	6.6	2/23	1.96	1.15	7.71	7.50	103
Johnson Valley	2/23	33	8.5	7.4	5.6						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	2/24	48	13.9	6.7	8.8	2/24	3.30		17.00	15.18	112
Camp Jackson	2/24	54	17.4	8.6	10.3	2/24	3.80		18.60	14.27	130
LaSal Mountain (lower)	2/24	48	13.2	5.0	7.1						
LaSal Mountain (upper)	2/24	68	19.5	12.1	11.6[b]	2/24	4.40		18.35	11.04	166
Monticello City Park	2/24	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	2/23	50	14.7	13.0	10.7	3/1	3.30[a]		15.99[a]	11.10	144
Bryce Canyon	2/23	29	7.9	4.9	3.9						
Castle Valley	2/24	52	17.1	11.5	10.6	2/24	2.24		15.76	11.12	142
Duck Creek R.S	2/24	52	15.7	8.0	10.7	2/24	1.95	2.35[b]	22.99	13.25	174
Farview											
Harris Flat	2/23	37	11.5	4.8	6.9	3/1	1.30[a]		12.90[a]		
Kimberly Mine	2/25	53	15.7	14.1	12.3	2/25	3.43	3.18[b]	18.60	14.38	129
Midway Valley	2/24	81	28.3	12.2	16.6	3/1	5.80[a]		29.00[a]		
Panguitch Lake	2/24	36	11.1	3.6	3.8	2.24	1.37		10.31	6.51[b]	158
Squaw Springs	2/23	32	9.1	7.6	6.1						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	2/23	40	11.1	11.0	9.6[b]	2/23	2.95		15.02	10.66	141
Farnsworth Lake	2/23	54	16.1	18.1	15.1	2/23	3.65	3.59	10.34	15.23	68
G.B.R.C. Headquarters	2/22	58	17.5	14.1	13.0	2/22	4.24	2.69	17.79	14.21	125
G.B.R.C. Majors								1.30		6.95	
G.B.R.C. Meadows	2/22	79	26.1	24.3	18.6	2/22	5.39	3.59	18.50	17.57	105
G.B.R.C. Oaks								1.88		9.70	
Gooseberry R.S.	2/23	36	10.0	11.5	10.1	2/23	2.31	2.38[b]	11.62	9.87[b]	118
Mammoth-Cottonwood Creek	2/22	69	21.7	23.3	17.4	3/1	4.60[a]		16.90[a]		
Mt. Baldy R.S.	2/23	77	23.5	25.8	18.6[b]	2/23	2.47		14.09	13.76	102
Oak Creek	2/25	55	17.6	8.5	10.0[a]	2/25	4.19		13.30		
Pickle Keg Springs	2/23	55	17.4	16.8	13.2[a]	3/1	3.94[a]		20.44[a]		
Pine Creek	2/25	58	19.0	13.6	13.1	2/25	4.11		20.44	18.53	110
Ree's Flat	2/25	59	17.9	14.8	10.3[b]	2/25	3.31		16.89		
Shingle Mill	3/1	33	10.4	6.1	7.6	3/1	3.45	2.33[b]	14.35	12.58	114
Gooseberry Reservoir						2/22	4.25	2.38[b]	18.50	15.36	120

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

+ 1958-1972 period

SNOW / PRECIPITATION (Inches)

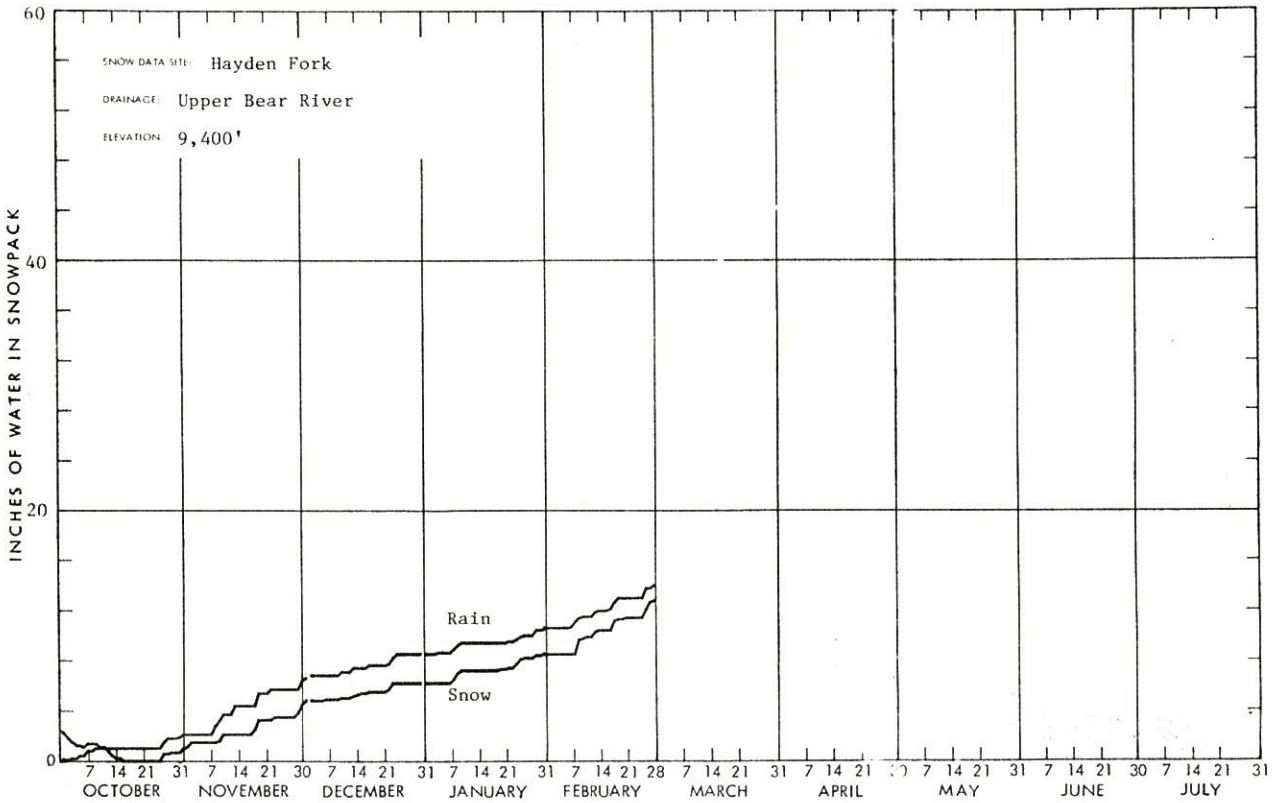
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average +	FROM APPROX. OCT 1 TO DATE: Percent of Average
BEAVER RIVER											
Beaver Canyon Power House	2/28	0	0.0	0.0	--						
Beaver Race Track	2/25	67	19.3	18.2	12.8	2/25	3.75	2.60	15.99	12.53	128
Big Flat	2/25	53	14.9	9.6	9.6[b]	2/25	3.21	2.11[b]	16.65	11.29	147
Merchant's Valley (upper)	2/25	55	15.5	16.4	9.9						
Otter Lake											
PAROWAN CREEK											
Birch Crossing	2/28	27	8.0	5.6	6.0[b]						
Brian Head	2/23	65	21.8	16.2	16.3[b]						
Tall Poles	2/28	51	17.8	10.5	11.5[b]	2/28	3.45	2.39[b]	14.35	11.87[b]	121
Yankee Reservoir	2/24	36	10.8	6.9	7.4	2/24	1.91		11.71	9.40[b]	125
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	2/24	8	2.8	1.1	3.6	2/24	3.35			12.33[b]	
Long Flat	2/24	32	9.5	3.7	5.6	2/24	1.62		12.02	9.23	130
COAL CREEK											
Cedar City Golf Course	2/28	0	0.0	0.0	--						
SUSC Ranch	2/28	45	13.5	6.3	7.5[b]						
ESCALANTE RIVER											
Widtsoe-Escalante #3	2/23	41	11.6	10.1	8.3	2/23	1.60	2.08	9.46	9.67	98
VIRGIN RIVER											
Kolob-Crystal	2/24	74	26.2	11.6	17.3[a]	3/1	4.00[a]		25.90[a]		
Long Valley Junction	2/23	23	7.1	2.8	4.0						
Webster Flat	2/24	61	22.4	11.6	13.9	2/24	2.81	3.53	20.84	15.15	138

a - Partly Estimated
b - Average of past record in average period + less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

WSFB-X13D



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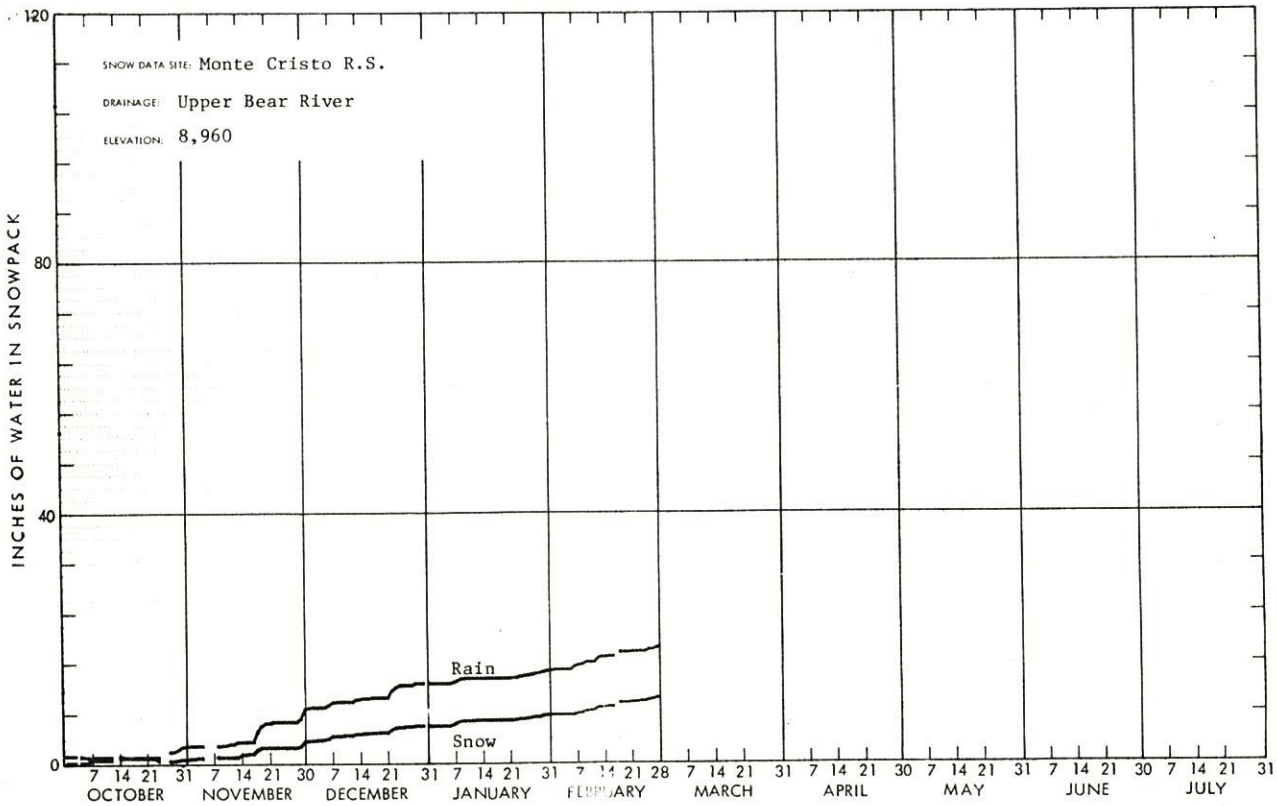
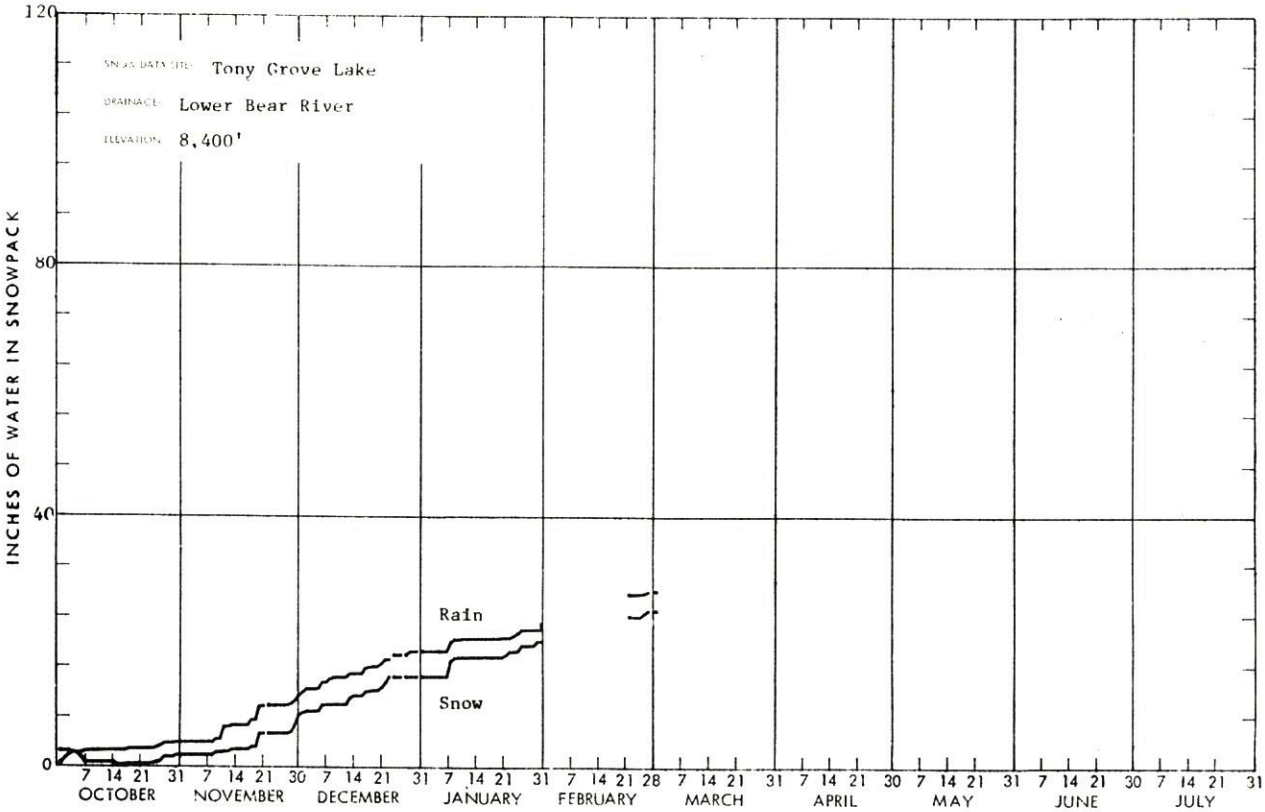
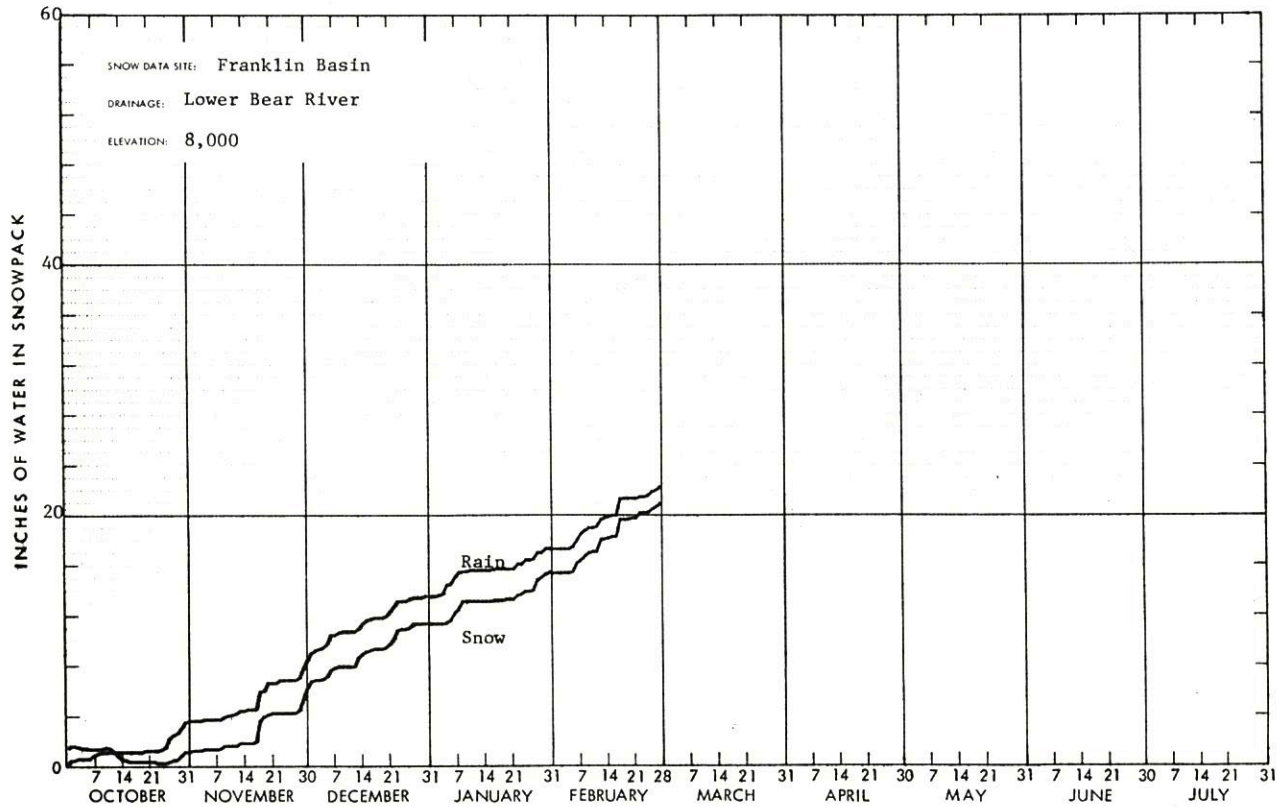
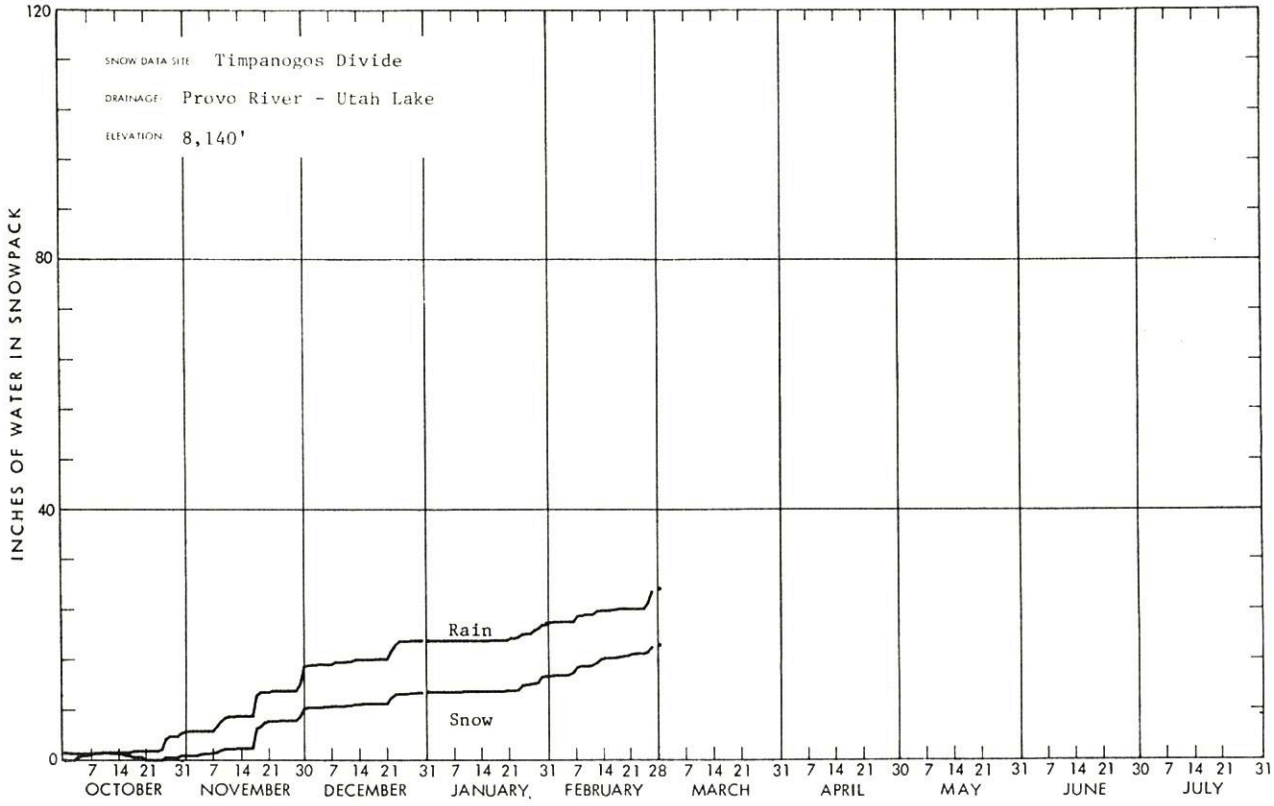



SNOW DATA SITE: Tony Grove Lake
DRAINAGE: Lower Bear River
ELEVATION: 8,400'
INCHES OF WATER IN SNOWPACK
120
80
40
0
Rain
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X138


SNOW DATA SITE: Franklin Basin
DRAINAGE: Lower Bear River
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
Rain
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13C



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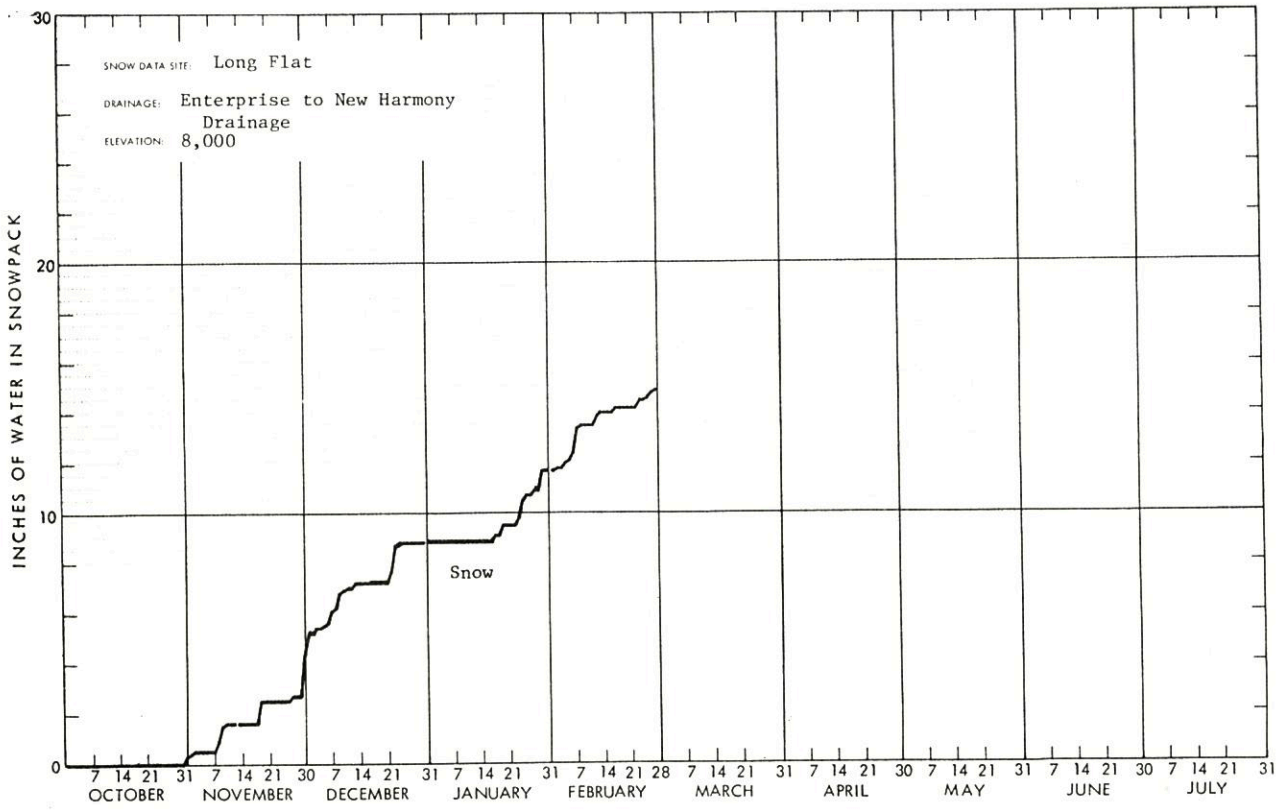

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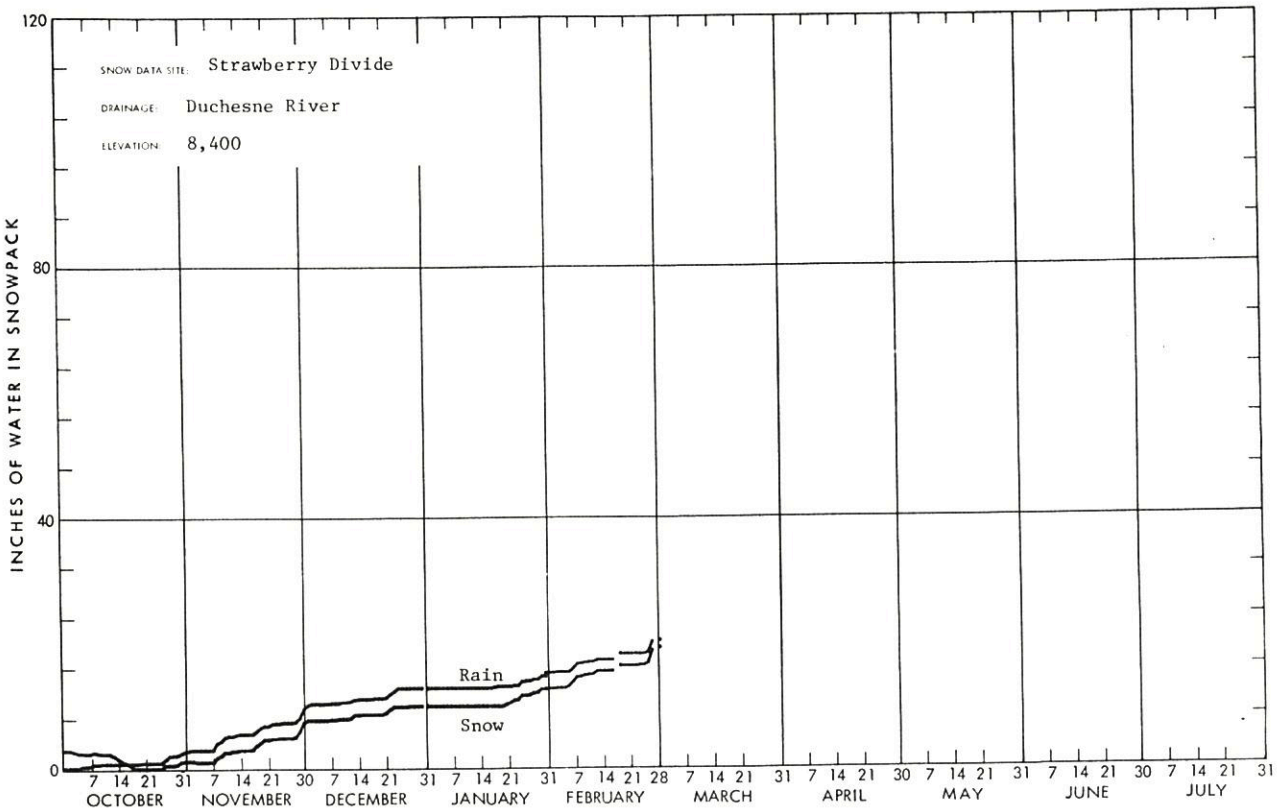

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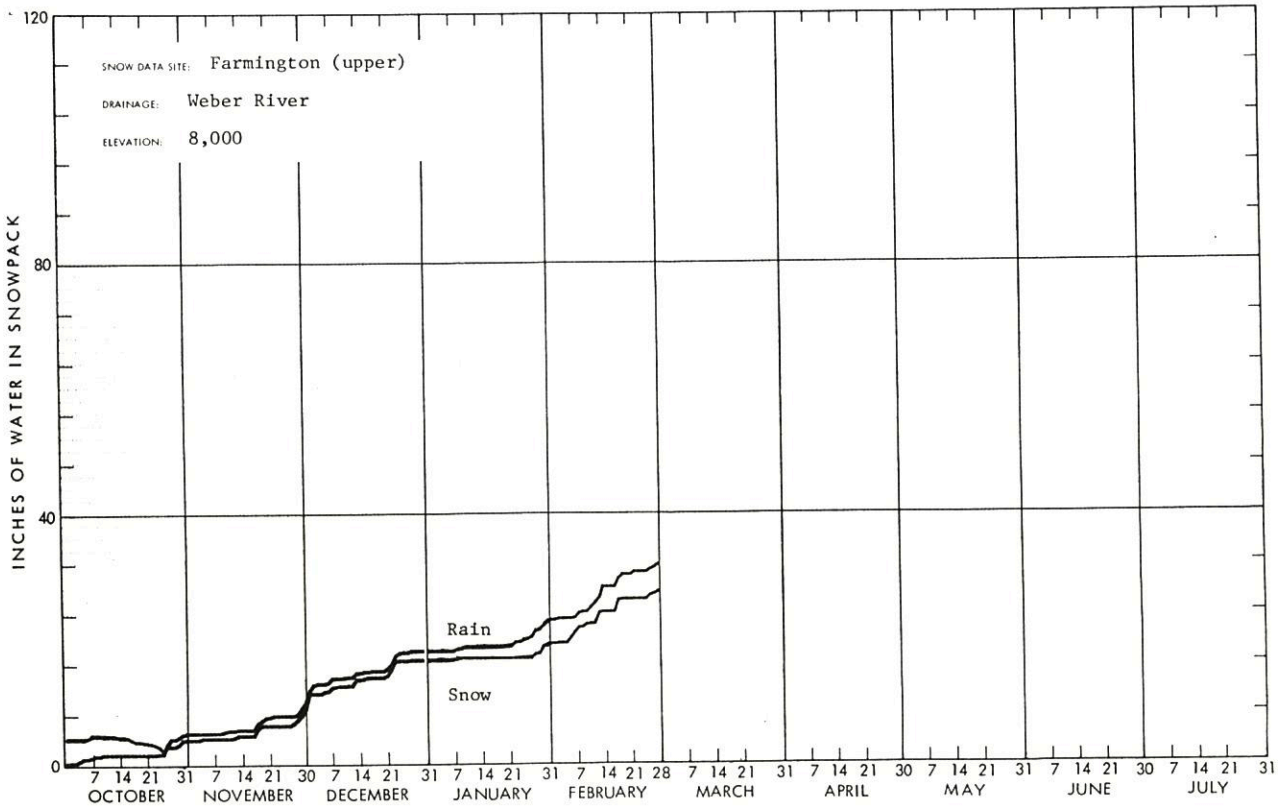
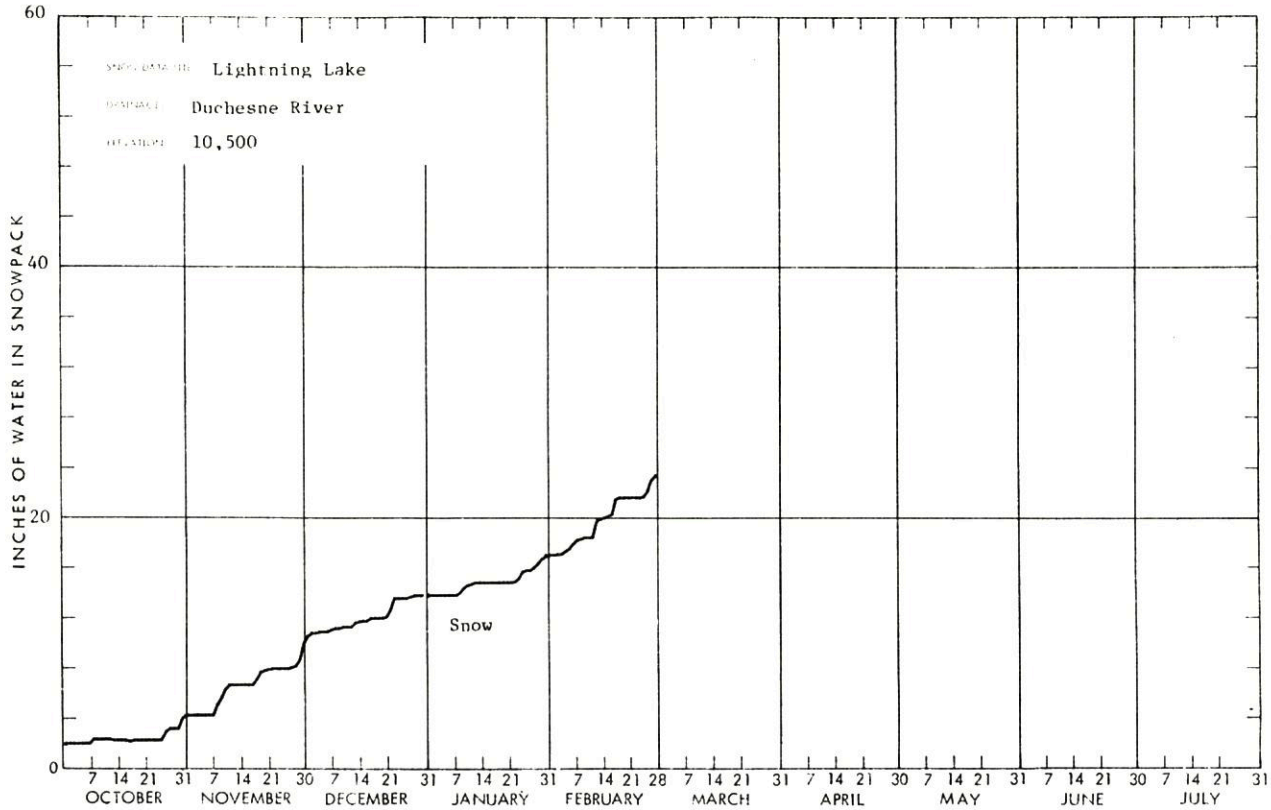
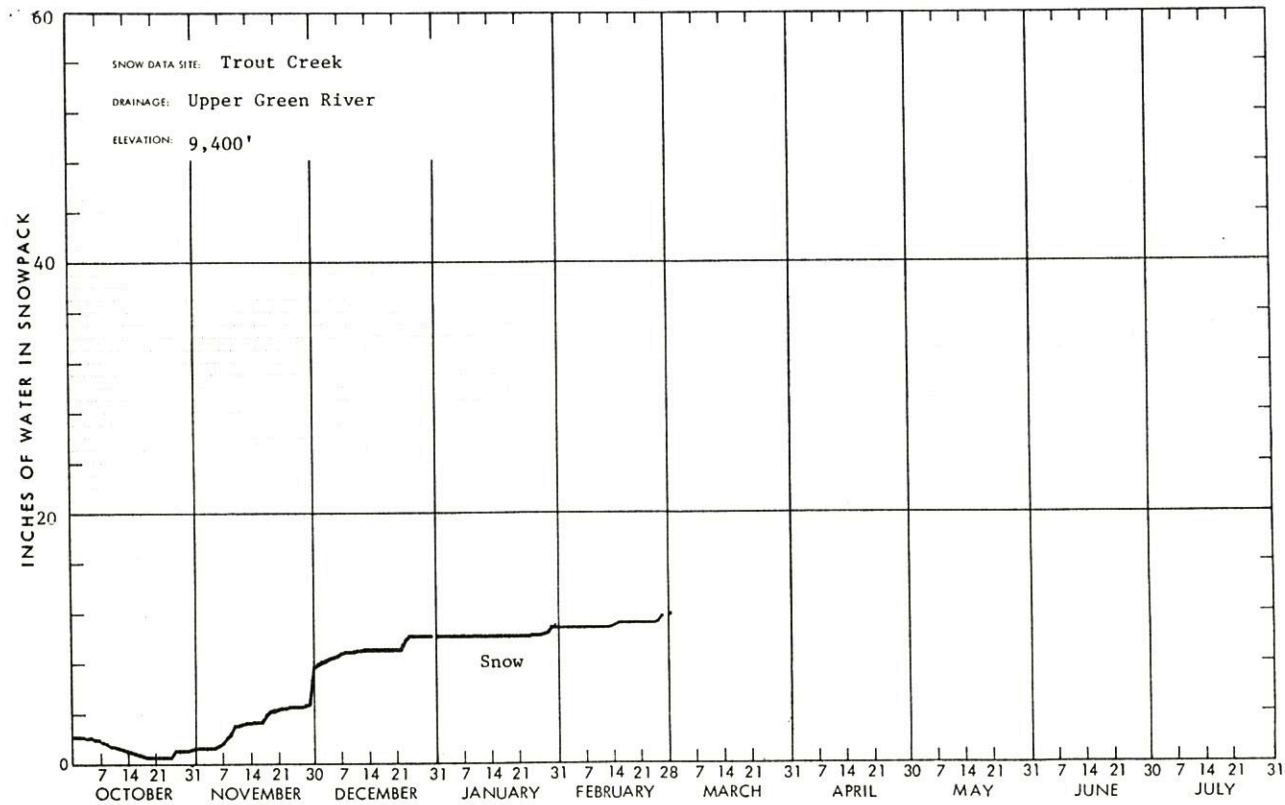
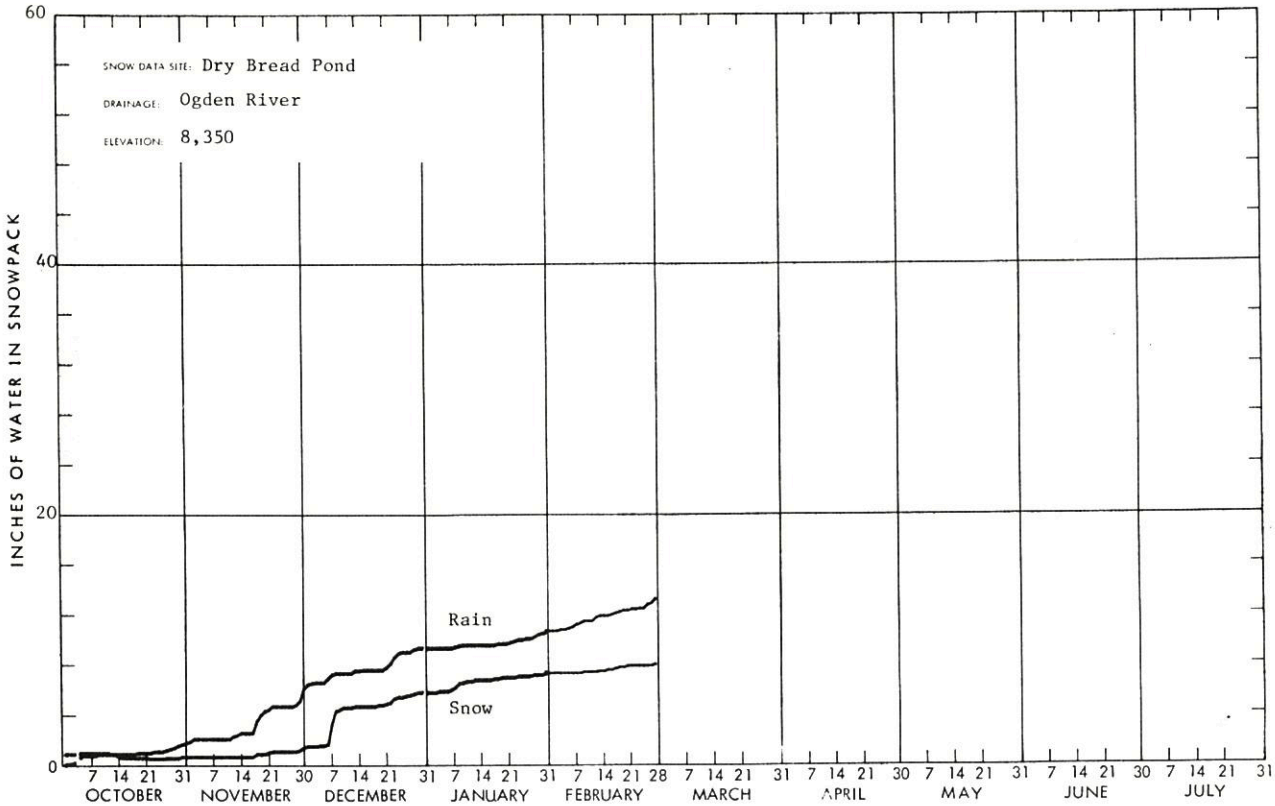



Lightning Lake
Duchesne River
10,500
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13D


SNOW DATA SITE: Trout Creek
DRAINAGE: Upper Green River
ELEVATION: 9,400'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13B



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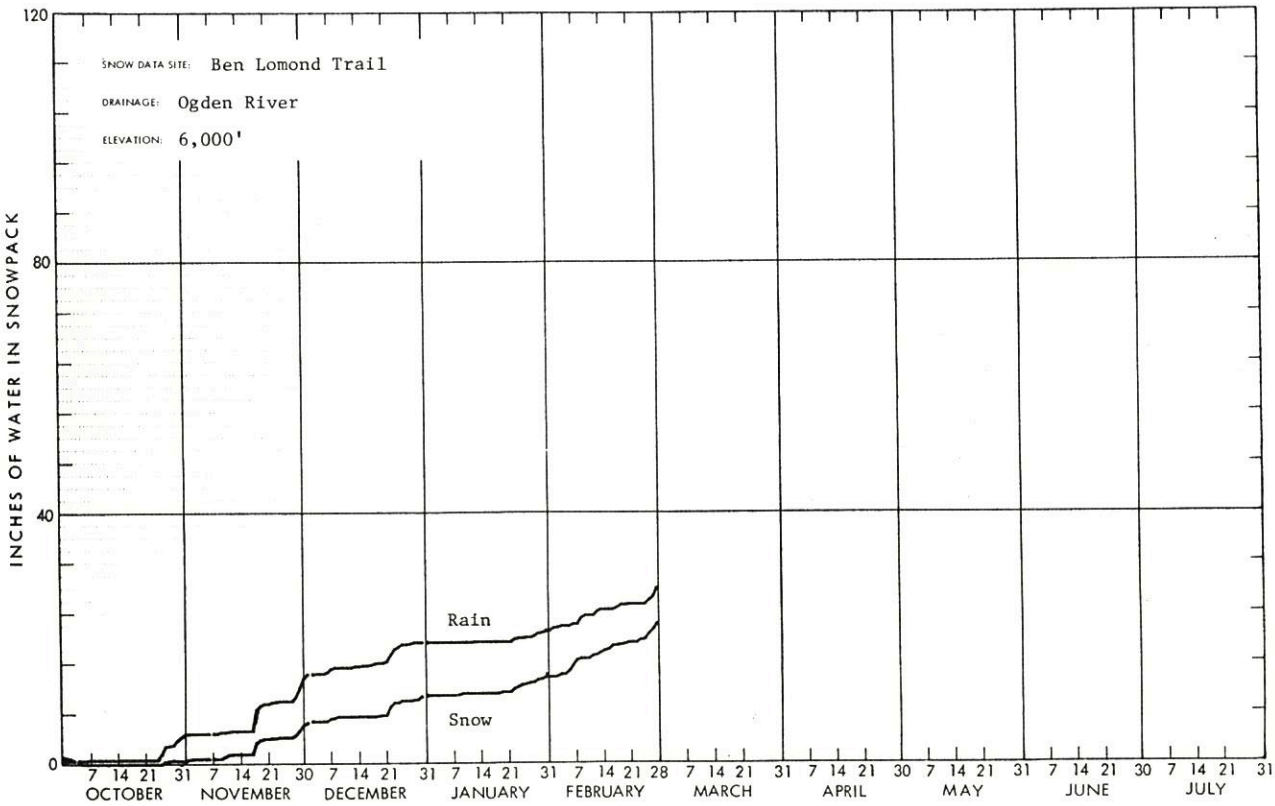

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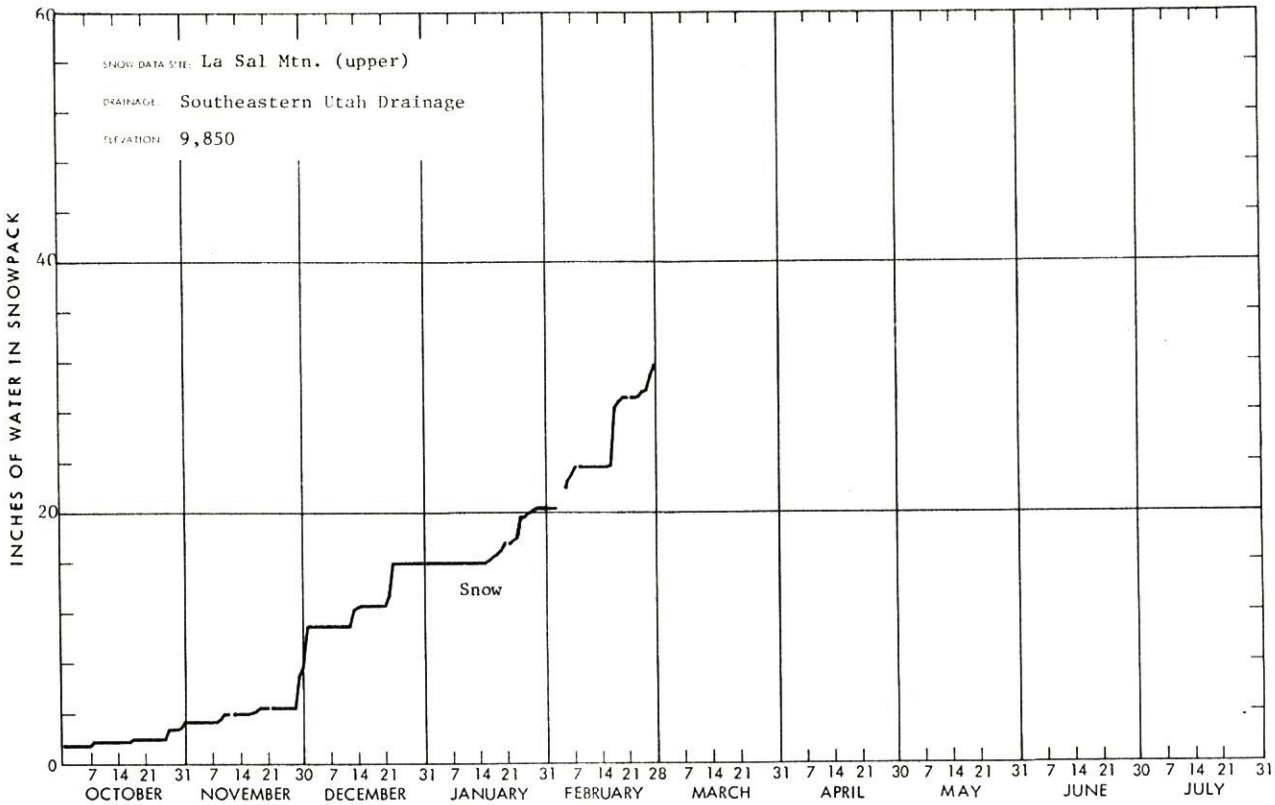
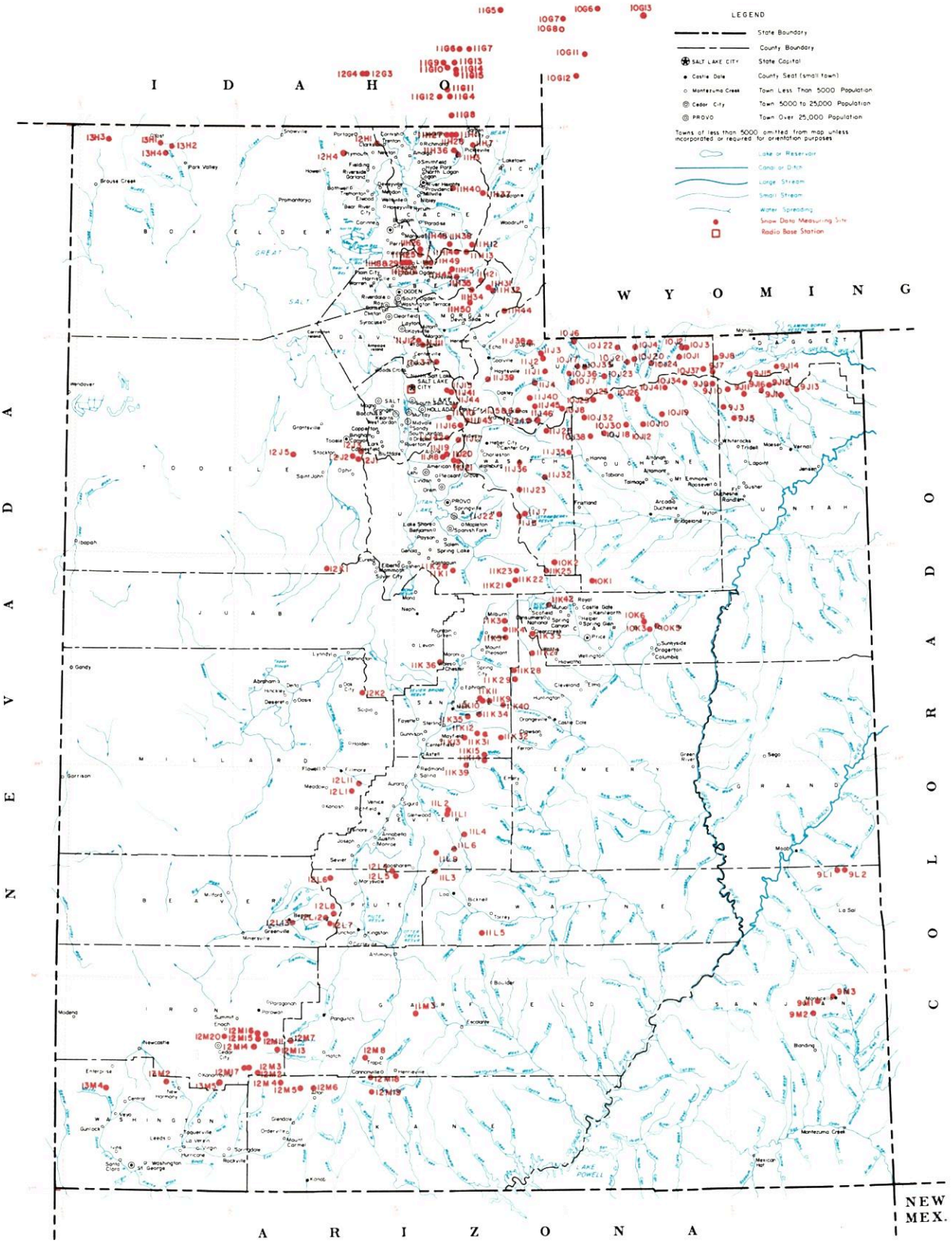

SNOW DATA SITE: La Sal Mtn. (upper)
DRAINAGE: Southeastern Utah Drainage
ELEVATION: 9,850
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USDA-SCS PORTLAND, OR 1981 M7-01-22021

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M1B	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	7	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Sinotel Data Site

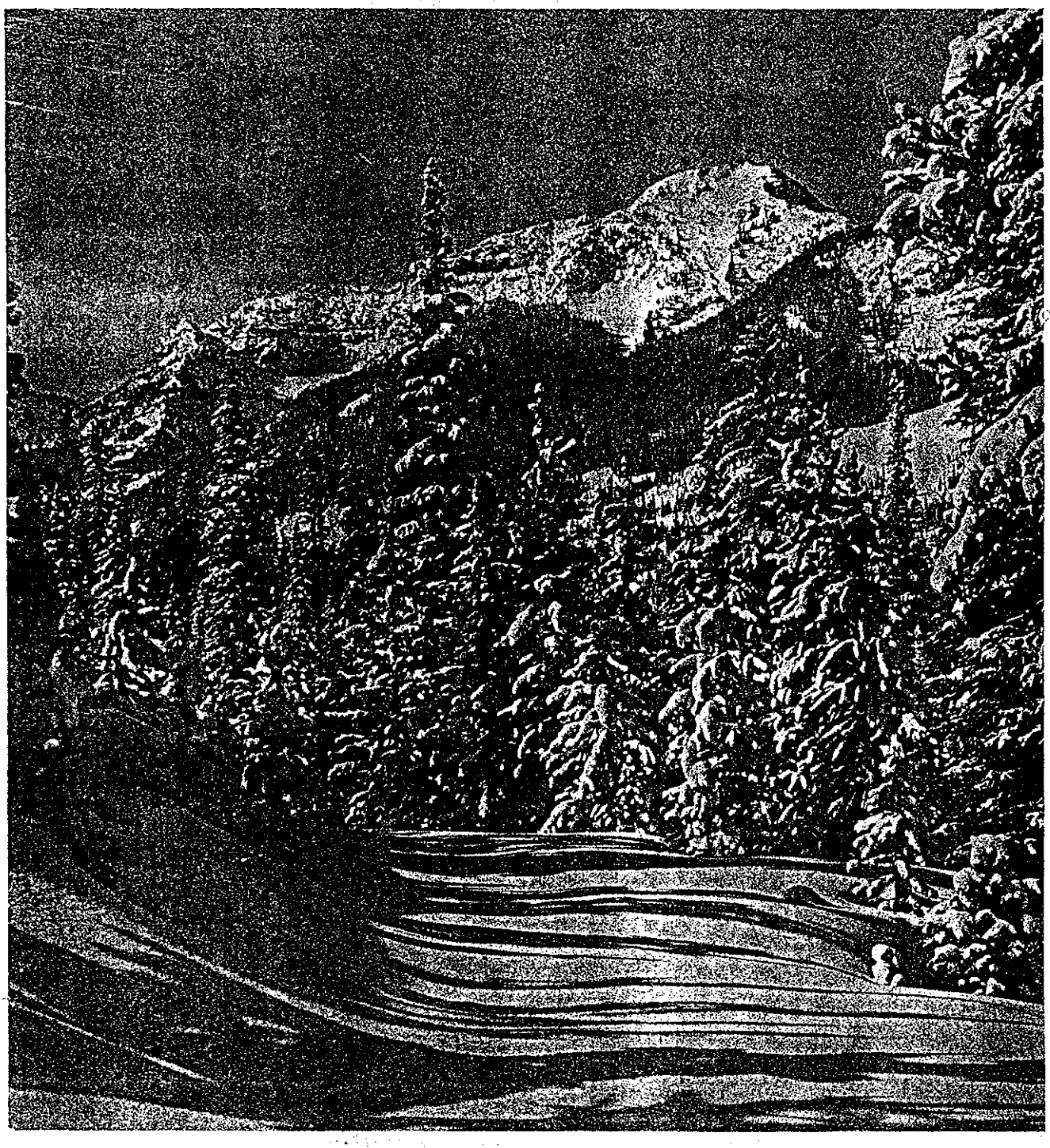
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources



April 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: FRESH POWDER SNOW ON ELEPHANT MOUNTIAN, NEAR THE WEST FORK OF HYALITE CREEK, IN MONTANA.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Report prepared by Snow Survey Staff

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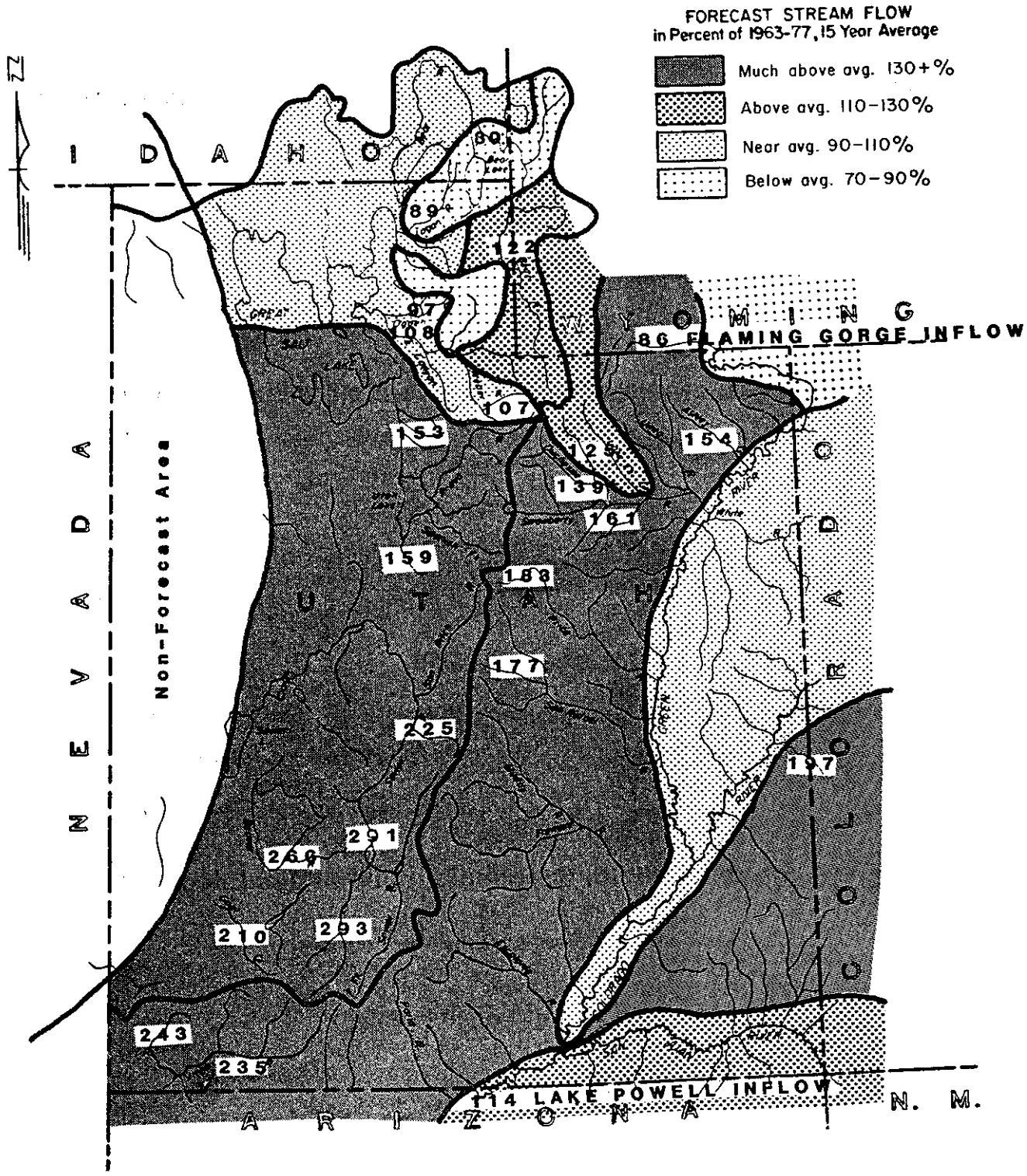
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

April 1, 1983

Approximate Date



WATER SUPPLY OUTLOOK

As Of April 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 water supply outlook ranges from near       *
* average in the north to well above average in the       *
* south.  Snow cover ranges from 86% of average on the    *
* Upper Bear to 265% in the southwest corner of the state *
* above Enterprise.  Precipitation during March ranged    *
* from near average to twice average in the north to      *
* three to five times average in the south.  Soils are    *
* much wetter than usual and reservoir storage is 126% of *
* average statewide.  Streamflow forecasts now range from *
* near average to five times average.                     *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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SNOW COVER

Snow measurements taken the last week of March show much heavier increases for the month than usual and now range from 70 to 100% of average on the Bear, Black's Fork, Logan, Blacksmith Fork, Little Bear, and South Fork Ogden to 200 to 400% on the Beaver, Upper Sevier, Coal Creek, Shoal Creek and Blue Mountains of Southeastern Utah.

Many snow courses set new April 1 water content records in central and southern Utah.

PRECIPITATION

Precipitation at mountain stations generally ranged from near average along the Idaho border, to three to almost five times average in southern Utah. Most stations on the Ogden, Weber and Black's Fork are 120 to 200%. The south slope of the Uinta Mountains and central Utah stations range from 200 to 300% of the March average.

SOIL MOISTURE

Watershed soils are much wetter than average over most of the state and should absorb much less snowmelt this season.

RESERVOIR STORAGE

Storage in 26 of Utah's key reservoirs is 126% of the April 1 average and 91% of usable capacity. Many reservoirs have been releasing water to make room for spring snowmelt runoff.

The Great Salt Lake is now 4203.20 feet above sea level or the highest since 1927 and 3.30 feet higher than a year ago.

Utah Lake is now 2.40 feet above compromise and expected to rise further as snowmelt begins.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period raised again this month after heavy increases to the snowpack and now range from 79% on Little Bear to over 500% for Minersville Inflow on the Lower Beaver River. Below average areas are the Lower Bear, Logan and Lost Creek. Near average areas are the Ogden, Weber, Upper Bear and mainstem Colorado River. The remainder of the state is above average to much above average with a good portion of the southern half of the state's forecasts exceeding 200% of the April-July average. Peak flows are expected to be well above average in central and southern Utah and landowners should protect property along stream channels.

The Great Salt Lake is now forecast to rise to 4203.70 feet or another 0.5 foot from April 1st. Utah Lake is forecast to peak at 2.65 feet above compromise assuming weather and runoff conditions are normal this spring.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4e	34.7e	23.8
	Woodruff Creek	---	3.5e		
Beaver River	Minersville (RkyFd)	26.0	24.6	19.6	14.9
Little Bear	Hyrum	15.3	10.6e	10.2	12.4
	Porcupine	11.3	4.6e	6.0e	5.2
Ogden	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
Provo	Deer Creek	149.7	112.3	115.0	108.7
Settlement Creek	Settlement Creek	1.2	0.9	0.6	
	Vernon Creek	0.6	0.4	0.5	---
Sevier River	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
	Panguitch Lake	22.3	21.0e		
Spanish Fork	Strawberry	270.0	256.8	182.0	156.9
Utah Lake	Utah Lake	883.9	1134.0	883.9	752.0
Weber	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	27.1	32.5
	Willard Bay	193.3	167.0	156.6	145.6
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	30.6	24.4	23.4
	Red Fleet	26.0	22.4		
Colorado	Blue Mesa	829.5	445.8	219.9	---
	Lake Powell	25002.0	22603.0	19635.0	---
Green	Flaming Gorge	3749.0	3173.8	2662.0	---
Lakefork	Moon Lake	35.8	31.9	20.5	19.6
Price River	Scofield	65.8	38.3	37.1	36.8
San Juan	Navajo	1696.0	1323.7	1238.2	---
	Ken's Lake	2.3	0.9	0.7	---
San Rafael	Huntington North	3.9	3.7	3.3	3.6
	Joe's Valley	54.6	45.1	31.5	38.0
	Mill Site	16.7	16.7	7.4	---
Strawberry	Starvation	165.3	117.0	139.1	127.6
	Soldier Creek	951.4	35.1		
Uintah	Bottle Hollow	11.5	11.1	11.1	10.6

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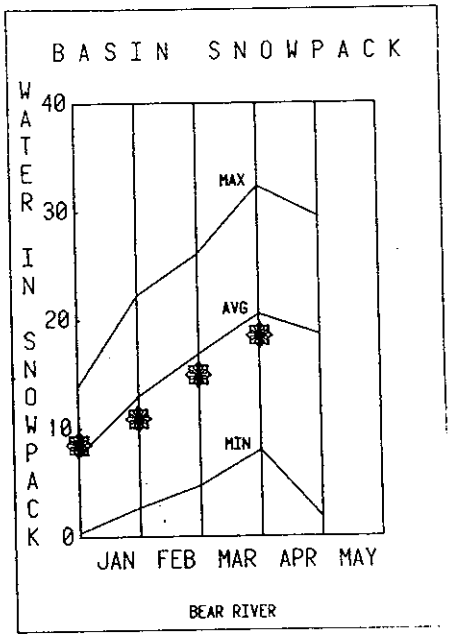
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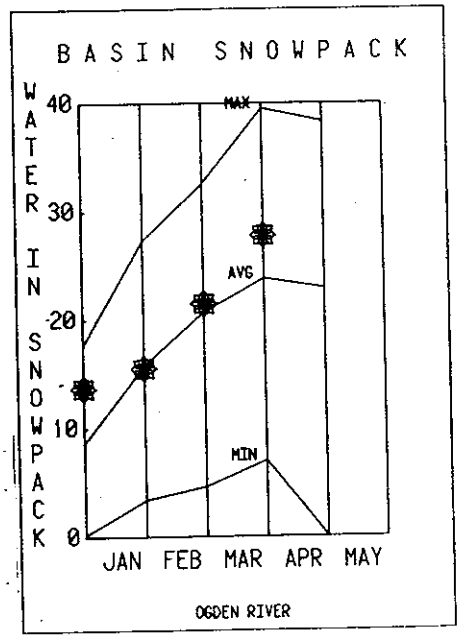
BEAR RIVER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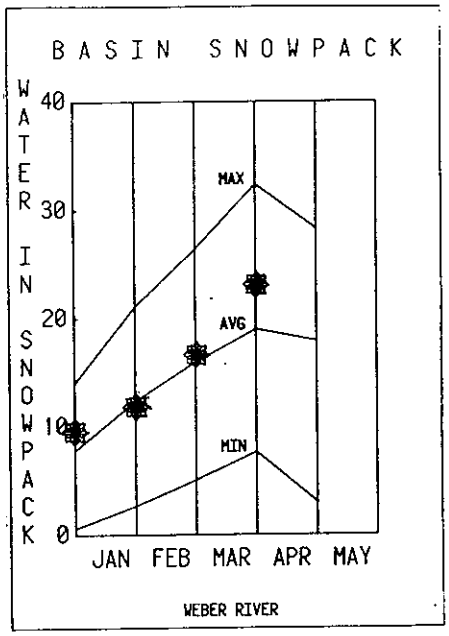
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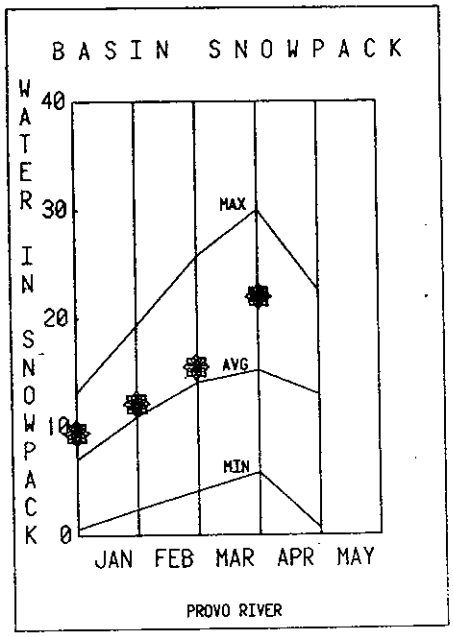
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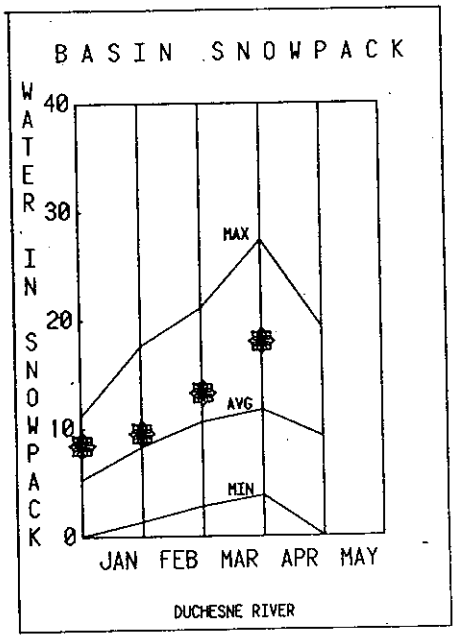
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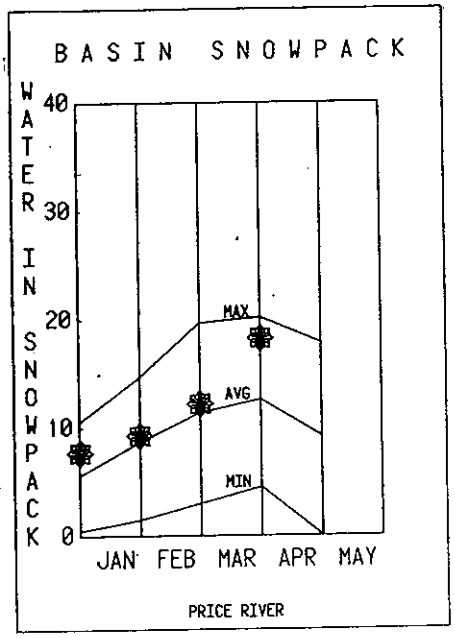
DUCHESNE RIVER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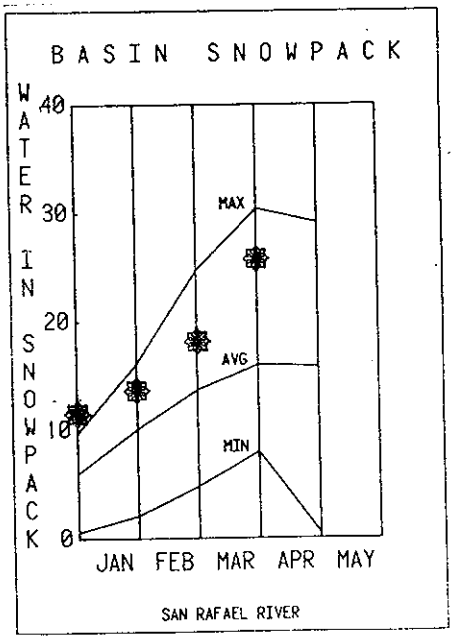
JAN FEB MAR APR MAY
PRICE RIVER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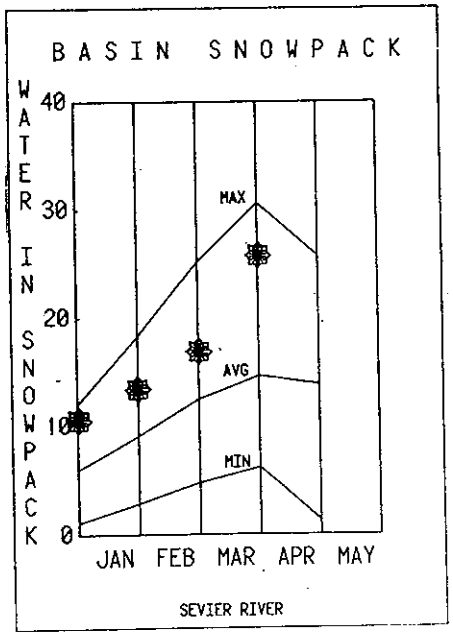
SAN RAFAEL RIVER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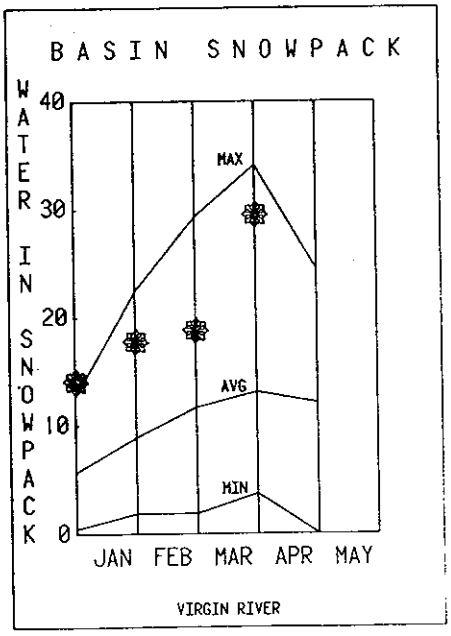
SEVIER RIVER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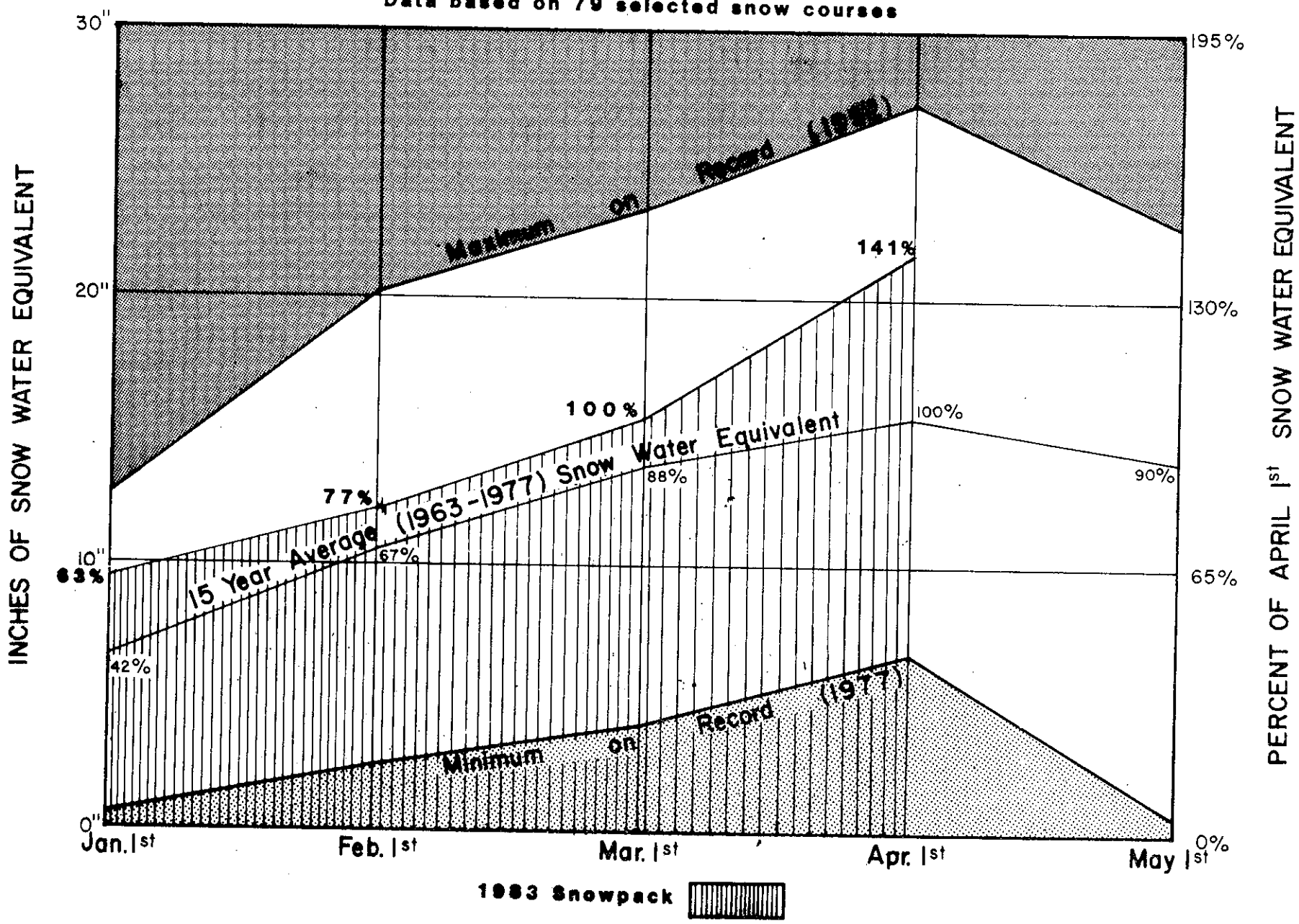
VIRGIN RIVER

UTAH'S WINTER SNOWPACK

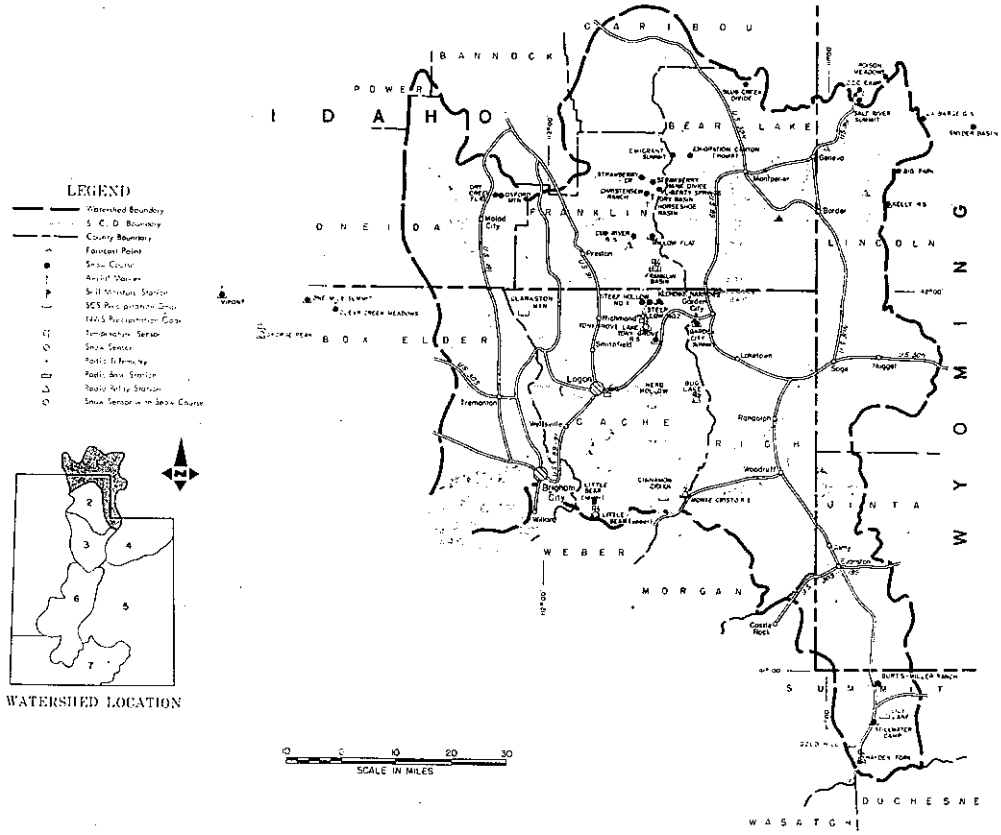
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 86% of the April 1 average on the Upper Bear to 106% on the Lower Bear. Logan River is 91% of average.

PRECIPITATION at mountain stations ranged from 107% of the March average for Garden City Summit to 207% at Little Bear Upper.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is now 107% of average and 77% of capacity.

STREAMFLOW FORECASTS generally increased 5 to 17% and range from 79% of average for Little Bear to 128% for Big Creek. Bear River is forecast 117% at Utah-Wyoming line, 122% at Woodruff, 116% at Randolph, and 80% of the April-September average at Harer, Idaho. Smiths Fork is forecast 80% and Thomas Fork 94%. Logan River is forecast 89%, Blacksmith Fork 98% and Woodruff Creek 83% of the April-July average. Cub River is forecast 95% of average.

All water users should have a near average supply this season. Some late season shortages may occur where storage is not available.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR: FORECAST Thousand Acre Feet	THIS YEAR: FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD: THOUSAND ACRE FEET Last Year	PAST RECORD: THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	133	117	Apr-July	146	114
Bear nr Woodruff	180	122	Apr-July	190	148
Woodruff Crk nr Woodruff, UT	15.2	83	Apr-July	--	18.4[b]
Big Creek nr Randolph, UT	6.9	128	Apr-July	--	5.4[b]
Bear nr Randolph	139	116	Apr-July	145	120
Thomas Fork nr ID-WY State Ln	33	94	Apr-Sept	--	35
Smith's Fork nr Border, WY	96	80	Apr-Sept	--	120
Bear at Harer, Idaho 1/	265	80	Apr-Sept	--	332
Logan nr Logan 1/	105	89	Apr-July	175	118
Blacksmith Fork nr Hyrum	53	98	Apr-July	83	54
Little Bear nr Paradise	30	79	Apr-June	65	38
Cub River nr Preston, ID	47	95	Apr-Sept	--	52

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	31	70	103
UPPER BEAR RIVER	6	71	86
LOWER BEAR RIVER	25	70	106
LOGAN RIVER	7	67	91
RAFT RIVER	3	94	137

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
BEAR RIVER	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4[e]	34.7	23.8
	Woodruff Creek		3.5[e]		
LITTLE BEAR	Hyrum	15.3	10.6[e]	10.2	12.4
	Porcupine	11.3	4.6[e]	6.0[e]	5.2

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	900-1200	1016
Woodruff Creek nr Woodruff	213-357	267
Little Bear nr Paradise	360-550	507
Bear nr. Ut.-Wyo. Stateline	1500-2230	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches) Last Year	PAST RECORD: Water Content (Inches) Average †
Burts-Miller Ranch	3/28	20	4.8	6.1	6.1
Cub River R.S.	3/27	17	5.3	10.2	6.9
Emigrant Summit	3/31	78	26.1	36.7	26.0
Franklin Basin	3/27	74	24.6	35.3	28.2
Hayden Fork	3/28	54	14.4	20.0	15.9
Klondike Narrows	3/26	54	18.2	28.6	20.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches) Last Year	PAST RECORD: Water Content (Inches) Average †
Little Bear Lower	3/26	32	9.0	14.0	9.9
Little Bear Upper	3/26	41	10.8	16.1	12.9
Monte Cristo	3/26	71	23.4	32.6	25.9
Salt River Summit	3/30	47	14.0	21.4	16.9
Stillwater Camp	3/28	40	10.0	13.1	11.3[b]
Tony Grove R.S.	3/26	30	10.4	17.6	11.9

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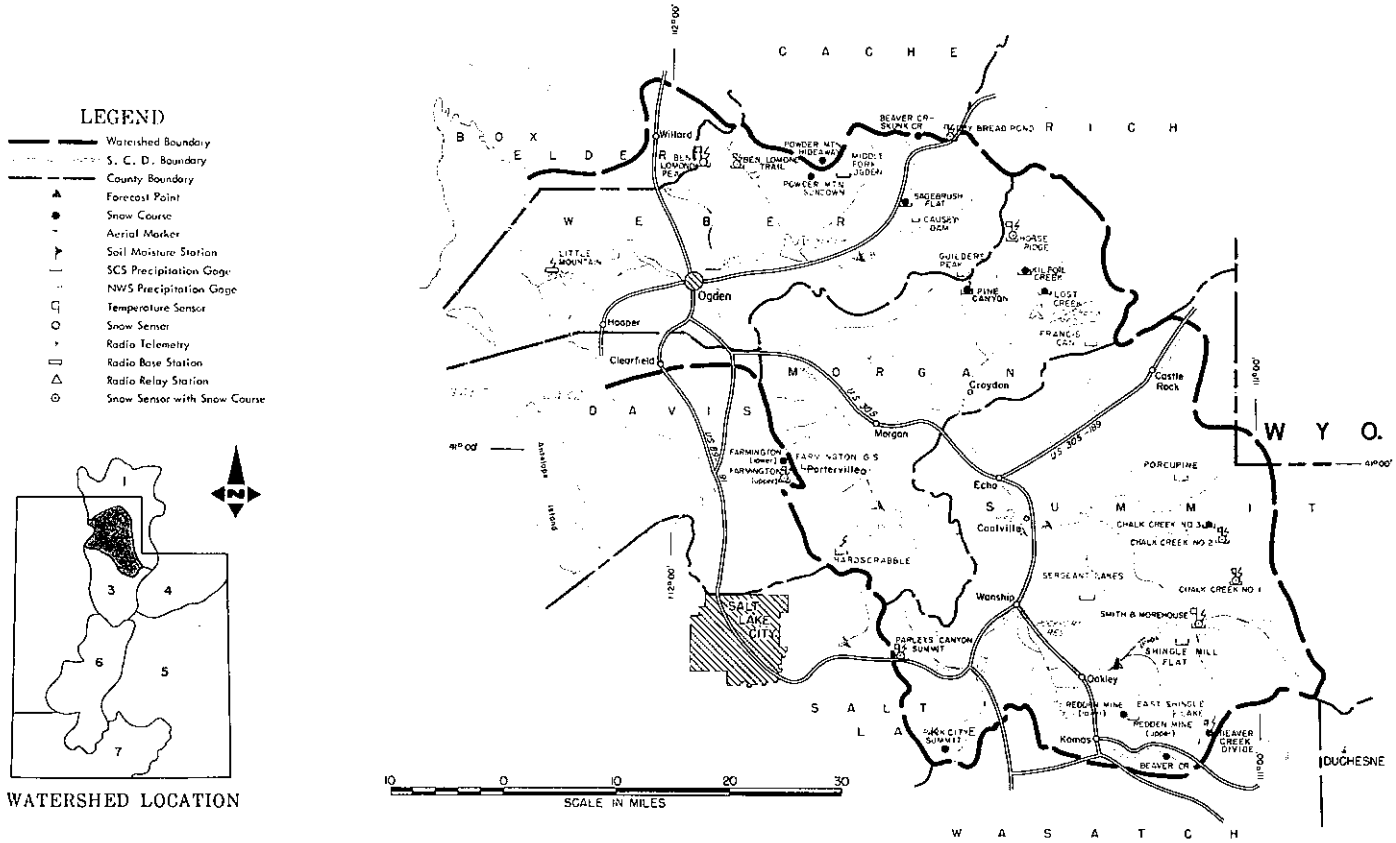
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 120% of the April 1 average on Ogden Watershed and 81% of last year. Weber River snow cover is 119% of average and 89% of last year. Farmington upper has set a new water content record for April 1st at 45.1 inches of water.

PRECIPITATION at mountain stations ranged from 119% of the March averge at Horse Ridge to 273% at Ben Lomond Trail.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is 142% of average on the Ogden River and 117% on Weber River.

STREAMFLOW FORECASTS range from 86% of the April-July average on Lost Creek to 157% for Farmington Creek. Ogden River forecasts are 97% for the South Fork and 111% for Pineview Inflow. Weber River forecasts are 107% at Oakley, 109% for Rockport Inflow, 106% at Coalville, 109% for Echo Inflow, 108% at Gateway, 117% for Chalk Creek, 108% for East Canyon Creek and 118% for Hardscrabble.

All water users are expected to have adequate water supplies this season.

USDA-SCS-PORTLAND, OR. 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and/or Forecast Point	This Year Forecast: Thousand Acre Feet	This Year Forecast: Percent of Average	Forecast Period	Past Record Thousand Acre Feet: Last Year	Past Record Thousand Acre Feet: Average +
WEBER-OGDEN RIVERS					
Weber nr Oakley	111	107	Apr-June	133	104
Rockport Reservoir Inflow 1/	122	109	Apr-June	172	112
Chalk Creek at Coalville	46	117	Apr-June	61	40
Weber nr Coalville	131	106	Apr-June	175	123
Lost Creek nr Croydon, UT	15.0	86	Apr-June	24	17.4b
East Canyon Creek nr Morgan 1/	28	108	Apr-June	44	26
Hardscrabble Crk nr Porterville	22	118	Apr-June	--	18.6b
South Fork Ogden nr Huntsville	55	97	Apr-June	92	57
Pineview Reservoir Inflow 2/	127	111	Apr-June	168	115
Echo Reservoir Inflow	175	109	Apr-June	215	160
Weber at Gateway	336	108	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	12.7	157	Apr-July	--	8.1b

SUMMARY of SNOW MEASUREMENTS (Comparison with previous years)

River Basin and/or Sub-watershed	Number of Courses Averaged	This Year as a Percent of: Last Year	This Year as a Percent of: Average
OGDEN RIVER	5	81	120
WEBER RIVER	12	89	119

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average +
OGDEN	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
WEBER	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	28.4	32.5
	Willard Bay	193.3	167.0	157.6	145.6

PEAK FLOWS e

Forecast Point	Peak Flow (Second Feet): Forecast Range	Peak Flow (Second Feet): Average +
Lost Creek nr Croydon	180-300	220
South Fork Ogden nr Huntsville	600-900	772
Chalk Creek nr Coalville	490-830	568
Weber nr Oakley	1480-1940	1560

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average +
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0
Ben Lomond Peak	3/26	131	45.0	51.0	34.1
Ben Lomond Trail	3/26	65	23.6	24.9	16.2b
Chalk Creek #1	3/28	85	24.1	31.3	22.4
Chalk Creek #2	3/28	58	15.5	19.5	15.6
Chalk Creek #3	3/28	28	7.8	9.7	7.5
Dry Bread Pond	3/26	57	18.7	25.1	18.9

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average +
Horse Ridge	3/26	63	20.8	30.2	21.9b
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0b
Monte Cristo	3/26	71	23.4	32.6	25.9
Parleys Canyon Summit	3/29	74	21.4	23.9	18.5
Sagebrush Flat	3/26	4	1.0	4.8	2.0
Smith & Morehouse	3/28	47	13.8	16.3	12.9
Trial Lake	3/29	83	26.8	35.5	23.5

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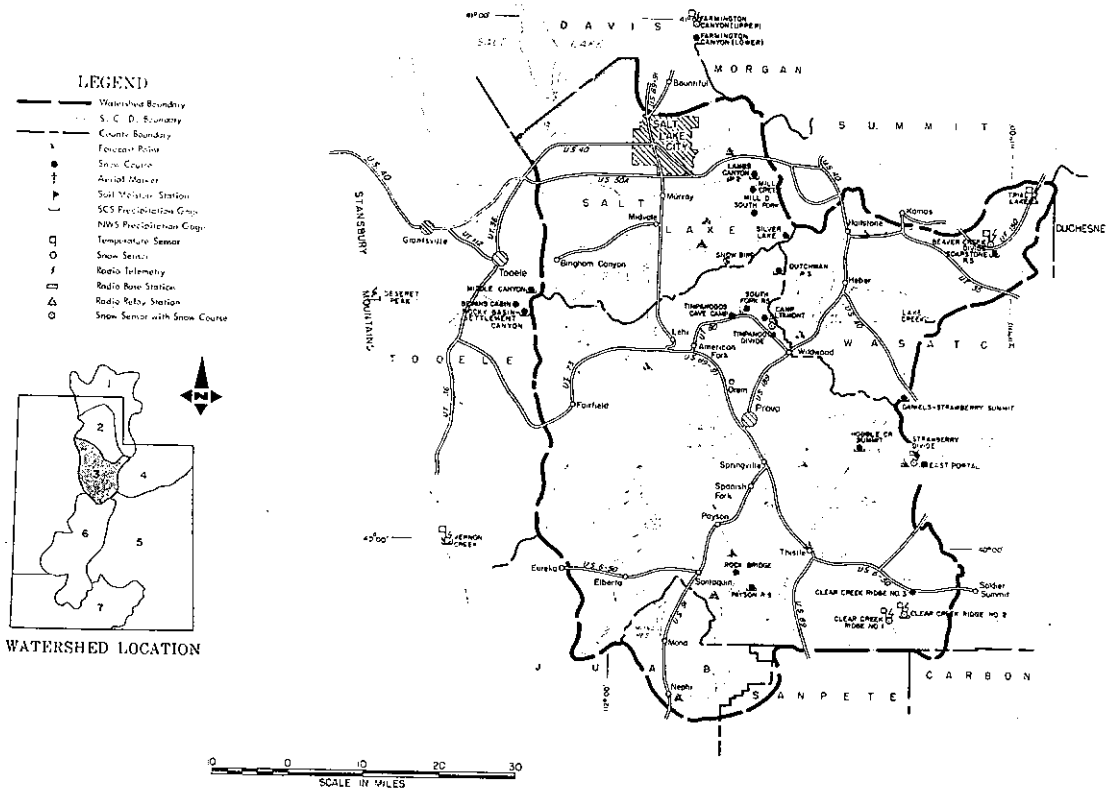
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 124% of the April 1 average for Jordan River and Salt Lake Front to 159% for Tooele Valley. Provo River and Utah Lake are now 148% of average. These areas increased 10 to 36% in percent of average during March.

PRECIPITATION at mountain stations ranged from 174% of the March average at Payson Ranger Station to 265% at Dutchman Ranger Station. Most other areas were twice average or better.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with Strawberry almost full and Utah Lake 2.40 feet above compromise and releasing as much as possible down the Jordan River.

STREAMFLOW FORECASTS range from 137% of the April-July average for Little Cottonwood to 300% for Vernon Creek. Other forecasts are as follows: Provo near Hailstone 142%, below Deer Creek Dam 154%, and Utah Lake Inflow 143%. Payson Creek is forecast 159%, Spanish Fork 167%, Hobble Creek 152% and American Fork 153%. Big Cottonwood is forecast 153%, Mill Creek 159%, Parleys Creek 182%, Emigration 175% and City Creek 175%. South Willow is forecast 166% near Grantsville and Settlement Creek 222% near Tooele.

Peak flows are expected to be higher than usual and precautions are already being taken to protect property near stream channels.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	This Year: Forecast: Thousand Acre Feet	This Year: Forecast: Percent of Average	Forecast Period	Past Record: Thousand Acre Feet: Last Year[3]	Past Record: Thousand Acre Feet: Average +
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	145	142	Apr-July	153	102
Provo below Deer Creek Dam 1/	185	154	Apr-July	--	120
American Fork nr American Fork	48	153	Apr-July	--	31
Hobble Creek nr Springville	30	152	Apr-July	--	19.7b
Strawberry Reservoir Inflow 1/	77	148	Apr-July	95	52
Spanish Fork at Thistle	65	167	Apr-July	--	39b
Payson Creek nr Payson	10.0	159	Apr-July	--	6.3
Utah Lake Inflow	350	143	Apr-July	--	244
JORDON RIVER & SALT LAKE				--	--
Little Cottonwood Crk nr SLC	52	137	Apr-July	--	38
Big Cottonwood nr SLC	58	153	Apr-July	--	38
Parley's Creek nr SLC	28	182	Apr-July	--	15.4
Mill Creek nr SLC	10.0	159	Apr-July	--	6.3
Emigration Creek nr SLC	7.0	175	Apr-July	--	4.0
City Creek nr SLC	14.0	175	Apr-July	--	8.0
TOOELE VALLEY					
Settlement Crk nr Tooele	5.1	222	Apr-July	--	2.3
S. Willow Crk nr Grantsville	4.8	166	Apr-July	4.2	2.9
Vernon Creek nr Vernon	2.1	300	Apr-June	1.6	0.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON with PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	This Year as a Percent Of: Last Year	This Year as a Percent Of: Average
PROVO RIVER & UTAH LAKE	12	92	148
JORDON RIVER & SALT LAKE	2	84	124
TOOELE VALLEY	4	138	159

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a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average†
SPANISH FORK	Strawberry	270.0	256.8	182.0	156.9
UTAH LAKE	Utah Lake	883.9	1134.0	883.9	752.0
	Settlement Creek	1.2	0.9	0.6	--
	Vernon Creek	0.6	0.4	0.5	--
PROVO	Deer Creek	149.7	112.3	115.0	108.7

PEAK FLOWS e

FORECAST POINT	Peak Flow (Second Feet): Period Range	Peak Flow (Second Feet): Average †
Big Cottonwood nr Salt Lake City	350-600	210
Little Cottonwood nr Salt Lake City	700-900	482
Provo Near Hailstone	500-600	310

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record: Water Content (Inches): Last Year	Past Record: Water Content (Inches): Average †
Bevans Cabin	3/26	56	15.3	12.2	11.5
Camp Altamont	3/31	62	25.0	27.2	13.4
Clear Creek #1	3/28	74	24.3	24.8	18.2
Clear Creek #2	3/28	60	17.4	20.0	13.6
Clear Creek #3	3/28	26	8.7	8.6	5.2
Daniels-Strawberry Summit	3/27	58	18.2	20.1	13.7
Deseret Peak	3/30	112	39.9	44.8e	--
Dutchman R.S.	3/31	78	25.6	28.4	15.4
Hobble Creek Summit	3/27	58	19.7	19.4	12.9
Lambs Canyon #2	3/29	62	19.8	23.1	--
Middle Canyon	3/26	75	18.2	14.2	14.1
Mill Creek	3/30	78	24.1	26.8	--

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record: Water Content (Inches): Last Year	Past Record: Water Content (Inches): Average †
Mill D South Fork	3/30	74	24.6	28.4	19.9
Parley's Canyon Summit	3/29	74	21.4	23.9	18.5
Payson R.S.	3/31	83	27.9	24.7	18.4
Rocky Basin-Settlement Canyon	3/30	131	46.0	36.0	27.1
Silver Lake Brighton	3/30	92	31.0	38.0	24.9
Soapstone R.S.	3/29	41	11.9	16.2	11.6
South Fork R.S.	3/28	50	17.1	9.6	3.2
Timpanogos Divide	3/31	91	34.2	38.6	23.5
Trial Lake	3/29	83	26.8	35.5	23.5
Vernon Creek	3/26	64	22.2	11.5	11.2a

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
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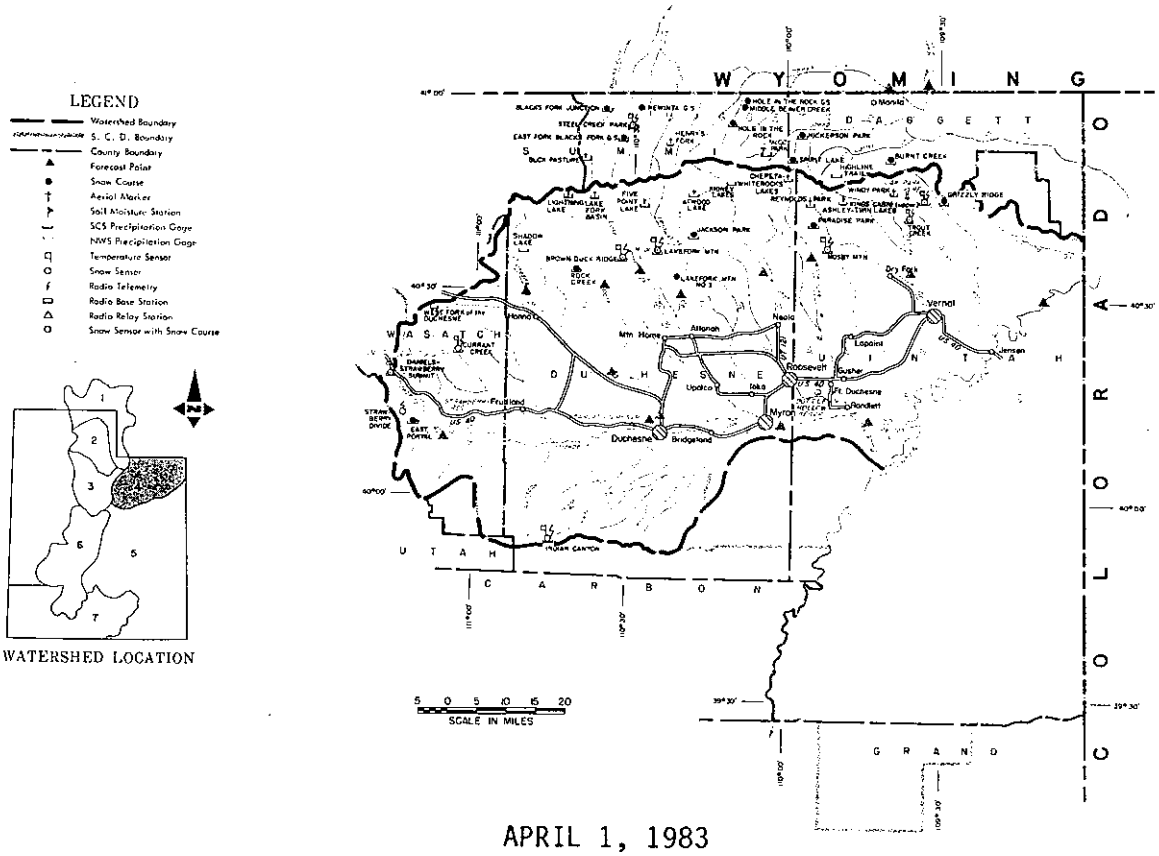

APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 110% of the April 1 average on Black's Fork to 183% on the Uintah-Whiterocks. Strawberry River is 148%, Lakefork-Yellowstone 160% and Ashley Creek 161% of average after much above average increases during March.

PRECIPITATION at mountain stations ranged from 133% at East Portal-Strawberry Reservoir to 417% at Hickerson Park. Most other stations received twice normal or better during March.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above aveage.

STREAMFLOW FORECASTS raised 12 to 39% after heavier than average increases to the snow pack during March and now range from 112% of the April-July average for Black's Fork to 161% for the Strawberry at Duchesne. Other forecasts are as follows: Duchesne near Tabiona 139%, at Duchesne 135% and Myton 154%. Currant Creek is forecast 137%, Rock Creek 132%, Lakefork 129%, Yellowstone 140%, Uintah 155%, Whiterocks 149%, Henrys Fork 134% and Ashley Creek 154% of the April-July average.

Water users in this area are expected to have above average water supplies this year. Peak flows are expected to be higher than usual and precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and/or Forecast Point	This Year: Forecast: Thousand Acre Feet	This Year: Forecast: Percent of Average	Forecast Period	Past Record: Thousand Acre Feet: Last Year	Past Record: Thousand Acre Feet: Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	149	139	Apr-July	170	107
Duchesne at Duchesne 1/	261	135	Apr-July	264	193
Strawberry at Duchesne	92	161	Apr-July	91	57
Rock Creek nr Mtn. Home	125	132	Apr-July	112	95
Currant Creek nr Fruitland	28	137	Apr-July	32	20
Lakefork below Moon Lake 1/	93	129	Apr-July	79	72
Yellowstone nr Altonah	94	140	Apr-July	74	67
Duchesne at Myton 1/	323	154	Apr-July	275	210
Whiterocks nr Whiterock	89	149	Apr-July	62	60
Uintah nr Neola	138	155	Apr-July	90	89
Duchesne at Randlett 1/	417	157	Apr-July	336	266
West Fork Duchesne at Hanna	37	142	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	72	134	Apr-Sept	38	54
Black's Fork at Millburne	103	112	Apr-July	95	92
Flaming Gorge Inflow 1/			Apr-July	--	1292
Ashley Creek nr Vernal	79	154	Apr-July	50	51

SUMMARY of SNOW MEASUREMENTS (Comparison with Previous Years)

River Basin and/or Subdivision	Number of Courses Averaged	This Year as a Percent of: Last Year	This Year as a Percent of: Average
DUCHESNE RIVER - TOTAL	12	105	159
LAKEFORK-YELLOWSTONE CREEKS	4	109	160
STRAWBERRY RIVER	5	98	148
UINTAH - WHITEROCKS RIVERS	3	115	183
ASHLEY CREEK	1	118	161
BLACK'S FORK	4	83	110

1 - Observed flow corrected for change in storage and diversions
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3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
† - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average †
ASHLEY CREEK	Steinaker	33.3	30.6	24.4	23.4
GREEN RIVER	Flaming Gorge	3749.0	3173.8	2662.0	--
LAKE FORK	Moon Lake	35.8	31.9	20.5	19.6
STRAWBERRY	Starvation	165.3	117.0	139.1	127.6
UINTAH	Bottle Hollow	11.3	11.1	11.1	10.6

PEAK FLOWS

Forecast Point	Peak Flow (Second Feet): Forecast Range	Peak Flow (Second Feet): Average †
Strawberry at Duchesne	1060-1480	656
Ashley Creek nr Vernal	1020-1520	1030

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record: Water Content (Inches): Last Year	Past Record: Water Content (Inches): Average †
Brown Duck Ridge	3/29	86	26.2	26.3	17.4[a]
Currant Creek	3/27	42	14.3	12.6	7.7
Daniels-Strawberry	3/27	58	18.2	20.1	13.7
Hewinta G. S.	3/28	44	10.8	12.5	9.4
Hickerson Park	3/28	43	10.0	7.5	5.9[b]
Hole-In-The-Rock	4/1	40	8.6	6.5[a]	5.0
Jackson Park	3/29	71	20.2	16.8	11.5[b]
Kings Cabin Upper	3/29	60	15.8	13.4	9.8

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record: Water Content (Inches): Last Year	Past Record: Water Content (Inches): Average †
Lakefork Mountain	3/29	59	16.5	14.7	10.6
Mosby Mountain	3/29	62	16.4	13.3	8.6
Paradise Park	3/29	77	21.9	20.6	11.8
Rock Creek Ranch	3/29	37	10.5	8.6	5.8
Spirit Lake	3/28	65	18.4	17.0	12.1
Steel Creek Park	3/28	70	18.5	20.6	15.6
Strawberry Divide	3/30	69	22.8	26.0	18.5
Trout Creek	3/29	64	17.8	13.0	--

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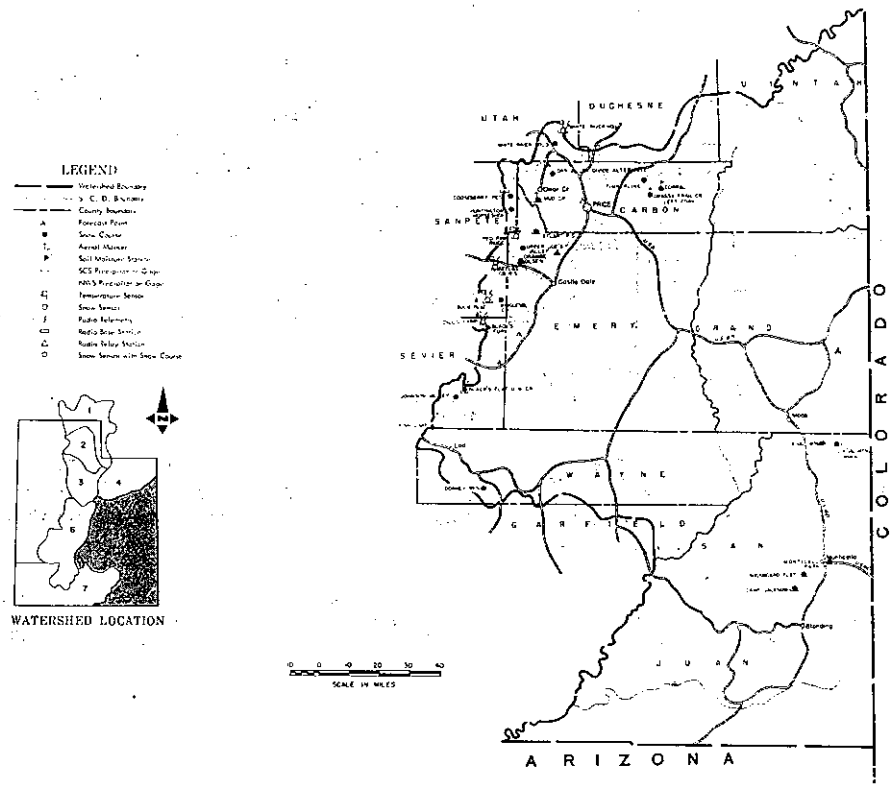
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS MUCH ABOVE AVERAGE

SNOW COVER increased almost three times normal for March at some sites and now ranges from 148% of the April 1 average on the Price River to 200% on the Blue Mountains. San Rafael drainages are 176%, Muddy 154%, Fremont 175% and LaSal Mountains 180% of the April average.

PRECIPITATION at mountain stations ranged from 175% of the March average at Red Pine Ridge to 343% at Camp Jackson above Blanding.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 106% for the Green River to 207% for the Muddy. Other forecasts in the area are as follows: Gooseberry Creek 163%, Scofield Inflow 183%, Price 188%, Huntington Creek 184%, Cottonwood Creek 177%, Ferron Creek 185%, Mill Creek 197%, Seven Mile Creek 136%, San Juan 129%, and Colorado 107% of the April-July average.

Peak flows are expected to be much higher than usual on most streams of the area and precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND, OR. 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	16.5	163	Apr-July	--	10.1
Scofield Reservoir Inflow	65	183	Apr-July	--	36
Price nr Heiner 1/	120	188	Apr-July	--	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	85	184	Apr-July	--	49b
Cottonwood Crk nr Orangeville	78	177	Apr-July	65	44b
Ferron Creek nr Ferron	63	185	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	35	207	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2900	107	Apr-July	--	2716
Green at Green River, UT	3145	106	Apr-July	--	2974
Mill Creek nr Moab	10.0	197	Apr-July	4.2	5.1b
Navajo Reservoir Inflow	785	129	Apr-July	--	608
San Juan nr Bluff, UT	1120	129	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.7	136	Apr-July	7.2	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	92	148
SAN RAFAEL RIVER	7	113	176
FREMONT RIVER	4	115	175
LASAL MOUNTAINS	2	168	180
BLUE MOUNTAINS	2	210	200
MUDDY RIVER	2	88	154

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e - Maximum mean daily peak flow
† - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
PRICE RIVER	Scofield	65.8	38.3	37.1	36.8
SAN RAFAEL	Huntington North	3.9	3.7	3.3	3.6
	Joe's Valley	54.6	45.1	31.5	38.0
	Mill Site	16.7	16.7	7.4	--
SAN JUAN	Navajo	1696.0	1323.7	1231.0	--
	Kens Lake	2.3	0.9	0.7	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	670-980	422
Muddy Creek near Emery	240-370	154
Huntington Cr. near Huntington	900-1100	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	3/29	84	26.8	28.2	15.4
Buckboard Flat	3/28	62	19.6	11.0	11.7
Camp Jackson	3/28	77	25.5	10.5	10.8
Dills Camp	3/29	58	17.6	20.6	11.4
Dry Valley Divide Alternate	3/28	47	15.1	13.4	--
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7
Mammoth-Cottonwood R.S.	3/28	97	33.6	28.8	20.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Monticello City Park	3/29	0	0.0	0.0	--
Mud Creek	3/28	61	18.4	20.0	12.3
Red Pine Ridge	3/28	78	24.0	23.7	16.5
Seeley Creek	3/28	81	26.6	20.4	16.0
White River #1	3/28	58	17.8	18.3	12.8
White River #3	3/28	31	10.0	12.0	6.1

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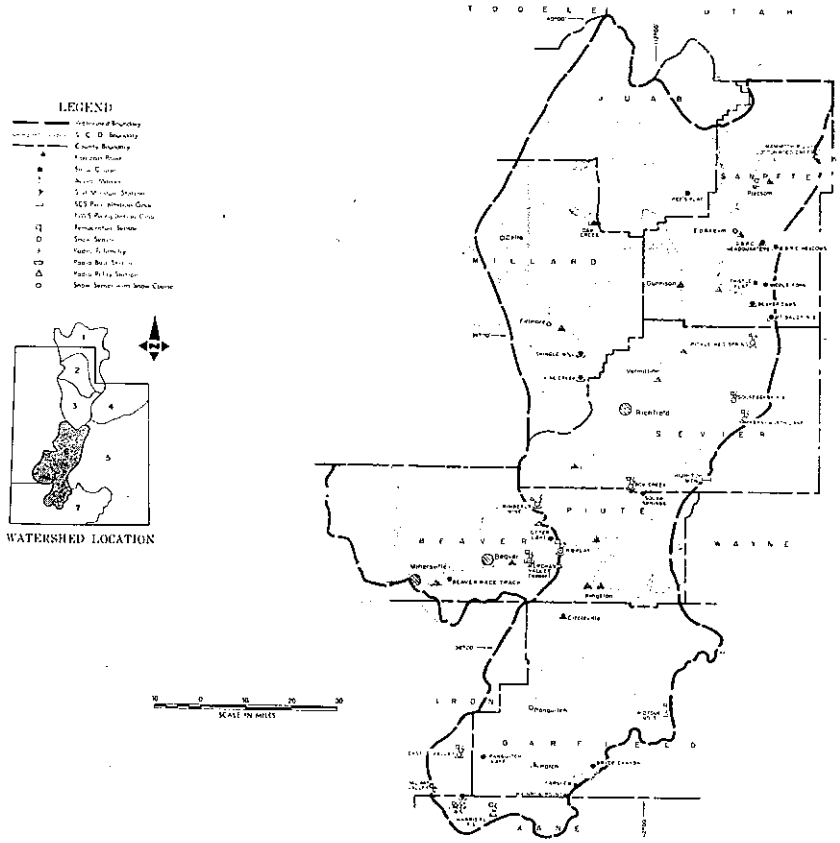
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 166% of average on the Lower Sevier to 224% on the South Fork Sevier above Kingston. The East Fork is 211% and Beaver River 206% of the April 1 average. Several snow courses have set new records fot April 1st water content.

PRECIPITATION at mountain stations ranged from 145% of the March average at Box Creek to 344% at Duck Creek Ranger Station. Most stations had two to three times average precipitation for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with most reservoirs near full and releasing water.

STREAMFLOW FORECASTS range from 213% for Salt Creek near Nephi to 515% for Minersville Inflow. Other streams forecast 2 to 3 times average are: the Sevier at Hatch 293%, Kingston 304%, Gunnison 270%, Salina Creek 225%, Chalk Creek 307%, Ephraim Creek 228%, Chicken Creek 310%, Oak Creek 257% and Beaver River 266% of the April-July average.

Peak flows are expected to be much higher than average and precautions should be taken to protect property near stream channels.

USDA-SCS-PORTLAND, OR 1977 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and/or Forecast Point	This Year Forecast: Thousand Acre Feet	This Year Forecast: Percent of Average	Forecast Period	Past Record Thousand Acre Feet: Last Year	Past Record Thousand Acre Feet: Average †
SEVIER RIVER					
Sevier at Hatch	120	293	Apr-July	--	41
Sevier nr Circleville	87	300	Apr-July	--	29
Sevier nr Kingston	70	304	Apr-July	--	23
Antimony Crk nr Antimony	180	261	Apr-July	--	6.9
East Fork Sevier nr Kingston1/	40	263	Apr-July	--	15.2
Sevier below Piute Dam	105	291	Apr-July	--	36
Clear Crk nr Sevier (abv Div)	40	225	Apr-July	--	17.8
Sigurd to Gunnison	70	269	Apr-July	--	--
Kingston to Vermillion Dam	140	250	Apr-June	--	56
Vermillion Dam to Gunnison	85	271	Mar-June	--	35
Salina Creek at Salina	25	225	Apr-June	--	11.1
Sevier nr Gunnison	135	270	Apr-July	--	50
Chalk Creek nr Fillmore	50	307	Apr-July	--	16.3
Chicken Creek nr Levan	9.6	310	Apr-July	6.0	3.1
Oak Cr. nr Oak City	3.6	257	Apr-July	1.9	1.4
Ephraim Creek nr Ephraim	33	228	Apr-July	--	14.5
Pleasant Crk nr Mt. Pleasant	18.5	220	Apr-July	--	8.4
Salt Creek nr. Nephi	26	213	Apr-July	--	12.2
Beaver nr Beaver	53	266	Apr-July	31	20
North Creek (Combined)	33	241	Apr-July	--	13.7b
Minersville Inflow	34	515	Apr-June	--	6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

River Basin and/or Subwatershed	Number of Courses Average	This Year as a Percent of: Last Year	This Year as a Percent of: Average
UPPER SEVIER RIVER			
East Fork Sevier	3	149	211
South Fork Sevier	6	173	224
LOWER SEVIER	14	121	166
BEAVER RIVER	3	130	206

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e - Maximum mean daily peak flow
† - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average †
SEVIER RIVER	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
BEAVER RIVER	Minersville (Rky Fd)	23.3	24.6	19.6	14.9

PEAK FLOWS

Forecast Point	Peak Flow (Second Feet): Forecast Range	Peak Flow (Second Feet): Average †
Sevier River at Hatch	900-1300	418
Beaver River nr Beaver	520-780	211
Sevier River nr Kingston	700-900	263
Clear Creek nr Sevier	350-450	170
Salina Creek nr Salina	700-900	235

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average †
Big Flat	3/30	98	31.2	25.4	16.1
Bryce Canyon	3/29	37	12.4	5.4a	3.1
Castle Valley	3/30	70	26.0	15.1	11.3
Duck Creek	3/29	80	25.4	16.0	11.5
Farnsworth Lake	3/29	83	25.9	26.0	19.5
Gooseberry R.S.	3/29	47	15.0	14.7	12.0
Harris Flat	3/29	50	17.4	9.7	6.5
Kimberly Mine	3/30	72	24.5	18.9	15.8

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average †
Long Valley Junction	3/29	18	5.3	0.4e	2.7
Merchants Valley Upper	3/30	61	21.7	15.2	9.7b
Midway Valley	3/30	121	44.8	24.0	20.1
Oak Creek	3/31	75	25.2	11.9	11.5b
Otter Lake	3/30	81	25.6	19.8	12.3
Pickle Keg Springs	3/29	77	25.8	22.7	16.1b
Pine Creek	3/31	78	30.8	18.8	15.2
Ree's Flat	3/31	68	24.1	17.1	12.2
Widtsoe-Escalante #3	3/29	68	21.5	15.4	9.9

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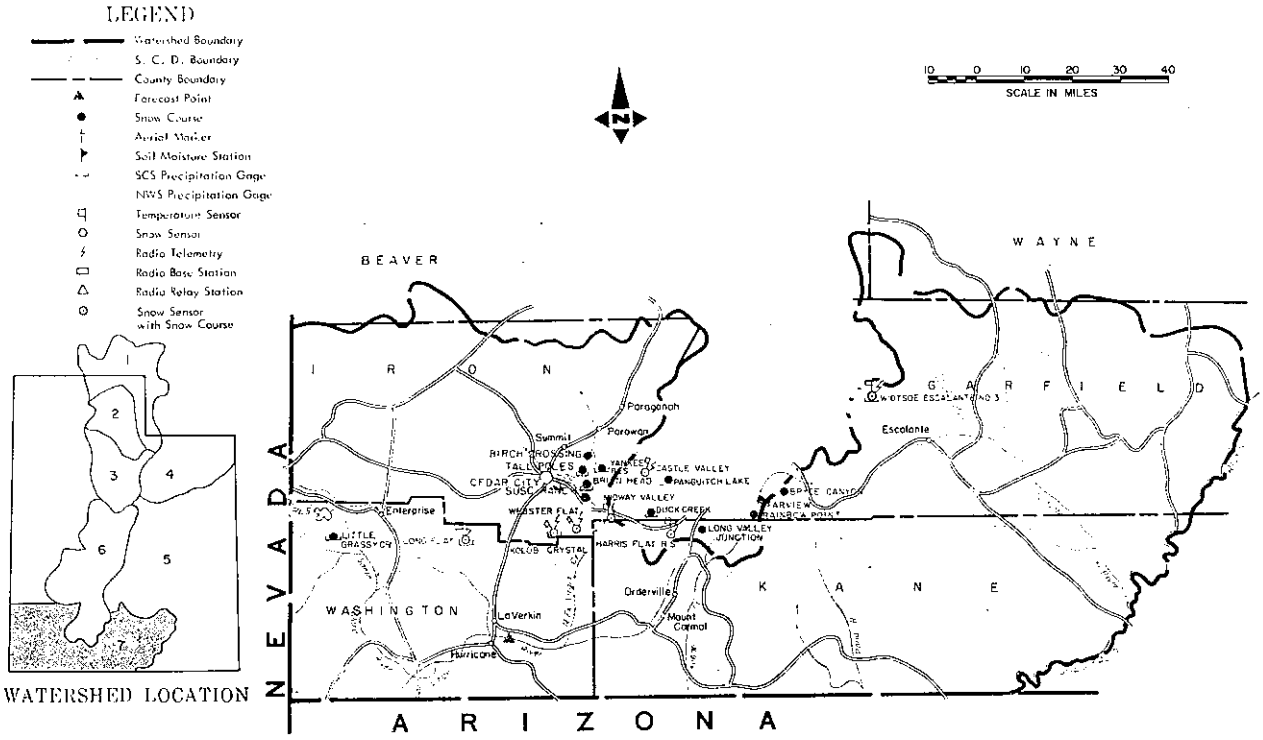
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 2, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER received much above average March increases and now varies from 191% of the April 1 average on Parowan Creek to 265% on Enterprise-New Harmony area. Coal Creek is 255% of average and Virgin River 220%. Brian Head, Tall Poles and SUSC Ranch set new maximum water content records for April 1st.

PRECIPITATION at mountain stations varied from 207% of the March average at Yankee Reservoir to 497% at Little Grassy above Enterprise Reservoirs.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with most local reservoirs reported full and spilling.

STREAMFLOW FORECASTS now range from 114% of average for Lake Powell Inflow to 243% for the Santa Clara for the April-June period. Coal Creek is forecast 210% and Virgin River 235% of average.

Peak flows are expected to be much higher than usual this year and precautions should be taken to protect property near stream channels.

Excellent water supplies are expected for all water users this season.

USDA-SCS-PORTLAND OR 1983 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and/or Forecast Point	This Year Forecast: Thousand Acre Feet	This Year Forecast: Percent of Average	This Year Forecast Period	Past Record Thousand Acre Feet: Last Year[3]	Past Record Thousand Acre Feet: Average[+]
VIRGIN RIVER					
Virgin nr Hurricane	115	235	Apr-June	52	48.5
Santa Clara nr Pine Valley	10.0	243	Apr-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	35	210	Apr-July	22	17.0
UPPER COLORADO					
Lake Powell Inflow	7900	114	Apr-July	--	6952.0

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Watershed	Number of Courses Average	This Year as a Percent of Last Year	This Year as a Percent of Average
COAL CREEK	3	210	255
VIRGIN RIVER	3	205	220
PAROWAN CREEK	4	141	191
ENTERPRISE - NEW HARMONY	2	276	265

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+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Usable Capacity	Usable Storage: This Year	Usable Storage: Last Year	Usable Storage: Average[+]
COLORADO	Lake Powell	25002.0	22603.0	19635.0	--
	Blue Mesa	829.5	445.8	219.9	--

PEAK FLOWS [a]

Forecast Point	Peak Flow (cfs): Forecast Range	Peak Flow (cfs): Average[+]
Coal Creek nr Cedar City	500-700	245
Virgin nr Virgin	1000-1400	631[b]

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average[+]
Birch Crossing	3/29	36	11.7	10.5	5.3[b]
Brian Head	3/30	99	34.3	24.6	19.9[b]
Harris Flat	3/29	50	17.4	9.7	6.5
Kolob-Crystal	3/30	112	44.9	24.0	21.8[a]
Little Grassy	3/30	5	1.6	0.8	2.0
Long Flat	3/30	46	18.3	6.4	5.3

SNOW

Drainage Basin and/or Snow Course Name	This Year: Date of Survey	This Year: Snow Depth (Inches)	This Year: Water Content (Inches)	Past Record Water Content (Inches): Last Year	Past Record Water Content (Inches): Average[+]
Long Valley Junction	3/29	18	5.3	0.4[e]	2.7
SUSC Ranch	3/29	57	24.0	8.3	6.1[b]
Tall Poles	3/29	70	27.7	18.3	13.8[b]
Webster Flat	3/30	98	38.2	18.6	15.7
Yankee Reservoir	3/30	53	17.9	11.4	9.0

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

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COOPERATIVE SNOW SURVEYS
Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water, supply, hydro-electric power generation, navigation, mining and industry.
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"The Conservation of Water begins with the Snow Survey"

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT. 1 TO DATE This Year	FROM APPROX. OCT. 1 TO DATE Average +	FROM APPROX. OCT. 1 TO DATE Percent of Average
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	3/30	0	0.0	0.0	--						
Big Flat	3/30	98	31.2	25.4	16.1	3/30	9.27	3.00	25.26	15.53	163
Merchant's Valley (upper)	3/30	61	21.7	15.2	9.7[b]	3/30	7.14	2.96[b]	23.79	14.25	167
Otter Lake	3/30	81	25.6	19.8	12.3						
PAROWAN CREEK											
Birch Crossing	3/29	36	11.7	10.5	5.3[b]						
Brian Head	3/30	99	34.3	24.6	19.9[b]						
Tall Poles	3/29	70	27.7	18.3	13.8[b]	3/29	6.60	3.02[b]	20.95	14.89[b]	141
Yankee Reservoir	3/30	53	17.9	11.4	9.0	3/30	5.65	2.73[b]	17.36	12.13	143
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	3/30	5	1.6	0.8	2.0	3/30	10.74	2.16	25.10	14.49	173
Long Flat	3/30	46	18.3	6.4	5.5	3/30	9.22	2.40	18.79	11.63	162
COAL CREEK											
Cedar City Golf Course	3/30	0	0.0	0.0	--						
SUSC Ranch	3/29	57	24.0	8.3	6.1[b]						
ESCALANTE RIVER											
Widtsoe-Escalante #3	3/29	68	21.5	15.4	9.9	3/29	9.78	2.40	19.24	12.07	159
VIRGIN RIVER											
Kolob-Crystal	3/30	112	44.9	24.0	21.8[a]	4/1	10.80[a]	--	36.70[a]	--	--
Long Valley Junction	3/29	18	5.3	0.4[e]	2.7						
Webster Flat	3/30	98	38.2	18.6	15.7	3/30	10.94	4.00	32.00	19.15	167

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 0

+ 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average †	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average †	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average †	FROM APPROX. OCT 1 TO DATE Percent of Average
PRICE RIVER											
Dry Valley Divide Alternate	3/28	47	15.1	13.4	--						
Mud Creek	3/28	61	18.4	20.0	12.3	3/28	6.08	2.56	--	14.25	--
White River #1	3/28	58	17.8	18.3	12.8	3/28	4.95	2.14	17.96	13.22	135
White River #3	3/28	31	10.0	12.0	6.1						
SAN RAFAEL RIVER											
Buck Flat	3/29	84	26.8	28.2	15.4	3/28	7.41	2.71	24.04	17.21	140
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7						
Orange Olsen	3/28	26	8.0	7.5	--	3/28	3.03	1.01[b]	12.28	7.40	166
Red Pine Ridge	3/28	78	24.0	23.7	16.5	3/28	6.18[a]	3.54	24.18[a]	19.79	122
Seeley Creek R.S.	3/28	81	26.6	22.4	16.0	3/28	5.31[a]	--	18.01[a]	--	--
Stuart R.S.	3/28	40	13.2	13.2	6.5	3/28	4.94	1.20[b]	13.93	11.62	120
Upper Joe's Valley	3/28	51	15.0	14.6	9.5						
Wrigley Creek	3/29	60	18.0	17.4	10.1						
MUDDY RIVER											
Black's Fork	3/29	60	19.3	21.2	12.6						
Dill's Camp	3/29	58	17.6	20.6	11.4	3/29	5.78	2.30[b]	20.58	14.40[b]	143
FREMONT RIVER											
Black's Flat-U.M. Creek	3/29	51	15.9	15.3	10.4	3/29	4.49	2.46[b]	13.48	12.10[b]	111
Conkey Reservoir	3/29	35	10.0	10.0	6.9						
Fish Lake	3/29	48	16.0	11.3	7.0	3/29	3.89	1.68	11.60	9.18	126
Johnson Valley	3/29	40	11.3	9.6	6.1						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	3/28	62	19.6	11.0	11.7	3/28	6.25	2.96	23.25	18.14	128
Camp Jackson	3/28	77	25.5	10.5	10.8	3/28	8.60	2.51	27.20	16.78	162
LaSal Mountain (lower)	3/29	63	16.4	8.6	8.6						
LaSal Mountain (upper)	3/29	92	27.7	17.1	15.3	3/29	7.70	3.14	26.05	14.18	184
Monticello City Park	3/29	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	3/29	65	21.5	16.6	12.9	3/29	4.04	2.79	20.03	13.89	144
Bryce Canyon	3/29	37	12.4	5.4[a]	3.1						
Castle Valley	3/30	70	26.0	15.1	11.3	3/30	9.12	2.77	24.88	13.89	179
Duck Creek R.S	3/29	80	25.4	16.0	11.5	3/29	11.29	3.28[b]	34.28	16.53	207
Farview											
Harris Flat	3/29	50	17.4	9.7	6.5	4/1	5.20[a]	--	18.10[a]	--	--
Kimberly Mine	3/30	72	24.5	18.9	15.8	3/31	8.39	3.79[b]	26.99	18.17	148
Midway Valley	3/30	121	44.8	24.0	20.1	3/30	14.10[a]	3.71[b]	43.10[a]	19.17[b]	225
Panguitch Lake	3/30	41	14.2	4.4	2.9	3.30	5.00	1.38	15.31	7.89	194
Squaw Springs	3/29	44	13.8	10.0	6.6						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	3/28	50	16.9	14.6	10.6	3/28	6.26	2.41	21.28	13.07	163
Farnsworth Lake	3/29	83	25.9	26.0	19.5	3/29	8.38	4.33	24.57	19.56	126
G.B.R.C. Headquarters	3/28	78	24.4	20.7	15.8	3/28	8.21	4.08	26.00	18.29	142
G.B.R.C. Majors	--	--	--	3.8[a]	--	--	--	1.56[b]	--	8.51	--
G.B.R.C. Meadows	3/28	111	36.6	34.2	22.4	3/28	10.07	4.10	28.57	21.67	132
G.B.R.C. Oaks						--	--	2.17	--	11.87	--
Gooseberry Reservoir	3/28					3/28	8.65	3.60	27.15	21.71	125
Gooseberry R.S.	3/29	47	15.0	14.7	12.0	3/29	6.18	3.04[b]	17.80	12.91[b]	138
Mammoth-Cottonwood Creek	3/28	97	33.6	29.2	20.3	3/28	5.75[a]	--	16.90[a]	--	--
Middle Fork	3/29	120	39.7	31.6	23.4						
Mt. Baldy R.S.	3/28	113	36.4	34.7	21.8	3/28	8.16[a]	3.14	22.25	16.90	132
Oak Creek	3/31	75	25.2	11.9	11.5[b]	3/31	8.71	--	22.01	13.78[b]	160
Pickle Keg Springs	3/29	77	25.8	22.7	16.1[b]	4/1	8.00[a]	--	28.44[a]	--	--
Pine Creek	3/31	78	30.8	18.8	15.2	3/31	9.89	4.94	30.33	23.47	129
Ree's Flat	3/31	68	24.1	17.1	12.2	3/31	7.39	--	24.28	--	--
Shingle Mill	3/28	47	14.1	9.4	8.4	3/28	6.24	3.10	22.76	15.68	145
Thistle Flat	3/29	76	24.9	22.2	15.9						

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 0

† 1958-1972 period.

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				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN CONT.											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	3/29	46	13.2	16.0	10.8[a]	3/29	6.37[a]	--	20.67[a]	--	--
Camp Altamont	3/31	62	25.0	27.2	13.4						
Clear Creek Ridge #1	3/28	74	24.3	24.8	18.2	3/28	7.00[a]	5.40[b]	23.80[a]	21.20[b]	112
Clear Creek Ridge #2	3/28	60	17.4	20.0	13.6	3/28	5.86	2.71[b]	20.20	16.06[b]	125
Clear Creek Ridge #3	3/28	26	8.7	8.6	5.2						
Dutchman R.S.	3/31	78	25.6	28.4	15.4	3/31	8.15	3.07[b]	28.11[a]	20.82	135
Hobble Creek Summit	3/27	58	19.7	19.1	12.9	3/27	6.07	2.70	23.41	17.19	136
Payson R.S.	3/31	83	27.9	24.7	18.4	3/31	5.05	2.90	21.47	17.95	120
Soapstone R.S.	3/29	41	11.9	16.2	11.6	3/29	4.74	2.40	17.63	16.22	109
South Fork R.S.	3/28	50	17.1	9.6	3.2						
Timpanogos Cave Camp	3/28	5	1.3	1.2	0.6						
Timpanogos Divide	3/31	91	34.2	38.6	23.5	3./31	8.45	3.36	33.90	25.09	135
Trial Lake	3/29	83	26.8	35.5	23.5	3/29	7.13	3.77	27.75	23.84	116
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin	3/26	56	15.3	--	11.5						
Deseret Peak	3/30	112	39.9	--	--						
Lamb's Canyon #2	3/29	62	19.8	23.1	--	3/29	5.47	--	18.47	--	--
Middle Canyon	3/26	75	18.2	14.2	14.1	3/26	8.00	3.39	--	15.92	--
Mill Creek	3/30	78	24.1	26.8	--						
Mill D South Fork	3/30	74	24.6	28.4	19.9						
Rocky Basin-Settlement	3/30	131	46.0	--	27.1	3/30	16.45[a]	--	36.77	24.01[b]	153
Silver Lake (Brighton)	3/30	92	31.0	28.1	24.9						
Snow Bird (Gad Valley)					--						
Vernon Creek	3/26	64	22.2	11.5	11.2[a]	3/26	5.95	2.51[b]	25.55	15.27	167
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)											
Black's Fork G.S.-East Fork	3/28	40	9.9	12.5	9.0	3/28	3.78	2.43	12.52	11.94	105
Black's Fork Junction	3/28	38	8.9	11.4	9.2	3/28	3.06	2.25	--	11.62	--
Buck Pasture (A)											
Burnt Creek	3/30	26	7.4	5.6	--	3/30	3.80	1.51[b]	10.80	8.83[b]	122
Grizzly Ridge	3/30	58	15.2	10.4	--	3/30	5.25	2.23[b]	19.00	12.78	149
Henrys Fork (A)											
Hewinta G.S.	3/28	44	10.8	12.5	9.4	3/28	4.29	2.50	13.90	12.56	111
Hickerson Park	3/28	43	10.0	7.5	5.9[b]	3/28	7.34	1.76[b]	14.59	9.41[b]	155
Hole-in-the-Rock	4/4	40	8.6	6.5[a]	5.0						
Hole-in-the-Rock G.S.	4/.4	33	6.6	1.4[a]	1.4						
King's Cabin (upper)	3/29	60	15.8	13.4	9.8	3/29	4.53	1.90	15.37	11.14	138
Middle Beaver Creek	4/4	39	6.6	3.9	4.5						
Reynolds Park (A)											
Spirit Lake	3/28	65	18.4	17.0	12.1	3/28	6.07	2.57[b]	18.05	13.61[b]	133
Steel Creek Park	3/28	70	18.5	20.6	15.6	3/28	4.82	2.75[b]	14.07	20.85[b]	67
Trout Creek	3/29	64	17.8	13.0	--	3/29	5.70	--	17.17	--	--
DUCHESNE RIVER											
Atwood Lake (A)											
Brown Duck Ridge	3/29	86	26.2	26.3	17.4[a]	3/29	5.59	3.41[b]	19.63	20.70[b]	95
Chepeta	3/28	71	20.0	17.6	--	3/28	5.50[a]	--	17.90[a]	--	--
Currant Creek	3/27	42	14.3	12.7	7.7	3/27	4.40	2.14[b]	16.38	13.79[b]	118
Daniels-Strawberry Summit	3/27	58	18.2	20.1	13.7	3/27	5.49	2.68	21.38	17.81	120
East Portal	3/30	51	17.2	18.0	10.9	3/30	3.35	2.51[b]	20.15	16.73	120
Five Points Lake (A)											
Indian Canyon	3/27	68	20.3	17.7	12.0	3/27	5.23	1.91	18.71	12.78	154
Jackson Park	3/29	71	20.2	16.8	11.5[b]	3/29	5.31	--	17.95	12.68	142
Lakefork Basin (A)											
Lakefork Mountain #1	3/29	59	16.5	14.7	10.6	3/29	4.49	2.08	16.02	12.62	127
Lakefork Mountain #3	3/29	32	8.9	8.2	5.3						
Lightning Lake (A)											
Mosby Mountain	3/29	62	16.4	13.3	8.6	3/29	5.37	1.47[b]	17.89	12.00	149
Paradise Park	3/29	77	21.9	20.6	11.8	3/29	5.35	1.78[b]	--	13.05	--
Rock Creek Ranch	3/29	37	10.5	8.6	5.8	3/29	3.63	--	15.26	11.04	138
Strawberry Divide	3/30	69	22.8	26.0	18.5	4/1	4.60[a]	--	24.50[a]	--	--

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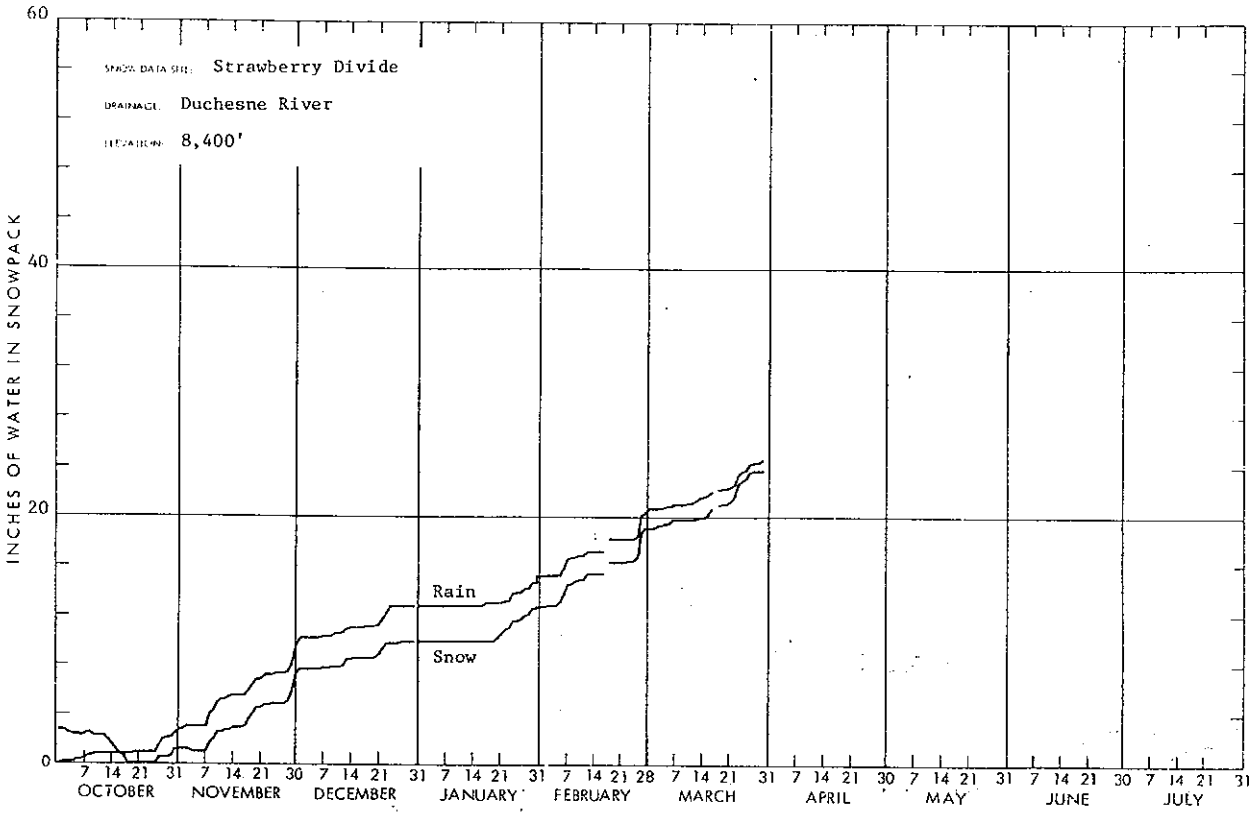
GREAT BASIN											
UPPER BEAR RIVER											
(Above Harer, Idaho)											
Burts-Miller Ranch	3/28	20	4.8	6.1	6.1	3/28	3.43	--	9.56	12.00[b]	80
CCC Camp	3/30	34	10.0	15.4	13.4						
Hayden Fork	3/28	54	14.4	20.0	15.9	3/28	11.30	--	21.62	20.06[b]	108
Monte Cristo R.S.	3/26	71	23.4	32.6	25.9	3/26	5.45	4.68	22.95	25.95	88
Salt River Summit	3/30	47	14.0	21.4	16.9	3/30	3.31	2.97	15.41	17.23	89
Stillwater Camp	3/28	40	10.0	13.1	11.3[b]	3/28	3.65	--	13.17	12.39	106
Lily Lake	3/28	57	14.4	19.1	--	3/28	4.68	--	15.08	--	--
LOWER BEAR RIVER											
(Below Harer, Idaho)											
Bug Lake	3/26	53	15.8	28.9	20.7[a]	3/26	3.43	--	13.88	--	--
Christensen Ranch	3/27	21	7.4	10.9	7.6						
Cliff Canyon	3/27	63	24.3	14.6	--						
Cub River R.S.	3/27	17	5.3	10.2	6.9						
Daniels Creek	3/27	22	7.2	9.8	--						
Dry Basin	3/27	87	30.7	38.5	30.2						
Dry Creek Flat	3/27	18	6.2	9.3	5.3						
Emigrant Summit	3/31	78	26.1	36.7	26.0	3/31	4.50	--	27.40	--	--
Emigration Canyon	3/31	29	9.8	16.4	11.1						
Franklin Basin	3/27	74	24.6	35.3	28.2	4/1	6.70[a]	--	29.00[a]	--	--
Garden City Summit	3/26	54	15.9	24.0	18.5	3/26	3.68	3.43	17.98	19.23	93
Horseshoe Basin	3/27	84	29.4	35.7	25.6						
Klondike Narrows	3/26	54	18.2	28.6	20.7	3/26	4.93	4.25[b]	21.24	23.85[b]	89
Liberty Spring	3/27	111	40.8	57.6	39.8						
Little Bear (lower)	3/26	32	9.0	14.0	9.9						
Little Bear (upper)	3/26	41	10.8	16.1	12.9	3/26	6.01	2.91[b]	26.12	18.13[b]	144
Lower Elkhorn	3/27	53	18.4	21.8	14.0[a]						
Oxford Mountain	3/27	31	9.0	14.1	9.5[a]						
Slug Creek Divide	3/31	48	14.7	22.3	18.0	3/31	2.90	--	18.90	--	--
Steep Hollow #1	3/26	113	36.4	51.5	38.0						
Steep Hollow #2	3/26	78	26.5	36.2	27.0						
Strawberry Creek	3/31	25	9.2	12.7	10.2						
Strawberry Mink Divide	3/27	55	20.5	28.8	21.9						
Tony Grove Lake	3/26	93	31.1	49.8	35.0[a]	3/26	6.44[a]	4.16[b]	29.58[a]	--	--
Tony Grove R.S.	3/26	30	10.4	17.6	11.9	3/26	3.70	2.85[b]	16.43	--	--
Upper Elkhorn	3/27	76	25.5	27.0	19.5[a]						
Willow Flat	3/27	38	12.9	19.3	14.8	3/27	5.30	4.04	25.36	22.89	111
Worm Creek	3/27	48	17.5	23.0	--						
UPPER RAFT RIVER											
Clear Creek Meadows	4/5	114	35.8	36.0	23.6						
George Peak	4/5	122	39.5	44.0	--						
One Mile Summit	4/5	35	7.9	9.2	7.6						
Vipont	4/5	63	19.8	22.0	15.1						
OGDEN RIVER											
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0						
Ben Lomond Peak	3/26	131	45.0	51.0	34.1	--	--	6.17[b]	--	47.13[b]	
Ben Lomond Trail	3/26	65	23.6	24.9	16.2[b]	3/26	10.28	3.76[b]	45.71	28.74[b]	159
Causey Dam	3/26	0	0.0	0.0	--	3/26	3.34	2.31[b]	13.03	14.22	92
Dry Bread Pond	3/26	57	18.7	25.1	18.9	4/1	4.10[a]	3.88[b]	17.40[a]	20.84	83
Sagebrush Flat	3/26	4	1.0	4.8	2.0	3/26	3.31[a]	2.28[b]	11.66[a]	14.35	81
WEBER RIVER											
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2						
Chalk Creek #1	3/28	85	24.1	31.3	22.4	3/28	6.50[a]	3.40[b]	24.90[a]	17.70	141
Chalk Creek #2	3/28	58	15.5	19.5	15.6	3/28	4.25[a]	3.11[b]	16.05[a]	16.17[b]	99
Chalk Creek #3	3/28	28	7.8	9.7	7.5	3/28	3.87	2.68[b]	14.13	13.94[b]	101
Farmington Canyon (lower)	3/26	113	35.1	27.9	22.4	3/26	11.17	5.23[b]	--	27.63	--
Farmington Canyon (upper)	3/26	139	45.1	40.4	30.8[b]	3/26	10.00[a]	--	40.43[a]	--	--
Farmington G.S.	3/26	92	27.6[a]	30.7	--	3/26	9.65	5.49b	--	29.01	--
Hardscrabble	3/26	82	25.6	22.1	--						
Horse Ridge	3/26	63	20.8	30.2	21.9[b]	3/26	5.03	4.24[b]	23.21	23.64	98
Kilfoil Creek	3/26	50	14.9	19.1	13.5[b]						
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0[b]	3/26	1.17	1.81[b]	9.37	10.97[b]	85
Park City Summit				47.8	--						
Parley's Canyon Summit	3/29	74	21.4	23.9	18.5	3/29	7.34	4.07	24.49	22.55	109
Pine Canyon	3/26	61	19.5	23.0	--						
Redden Mine (lower)	3/28	69	21.3	22.9	18.0	3/28	5.55	--	20.83	--	--
Smith & Morehouse	3/28	47	13.8	16.3	12.9	3/28	4.31	3.04	17.77	17.75	100
Sargeant Lake (A)											

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

† 1958-1972 period.


SNOW DATA SITE: Strawberry Divide
DRAINAGE: Duchesne River
ELEVATION: 8,400'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Rain
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
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MARCH
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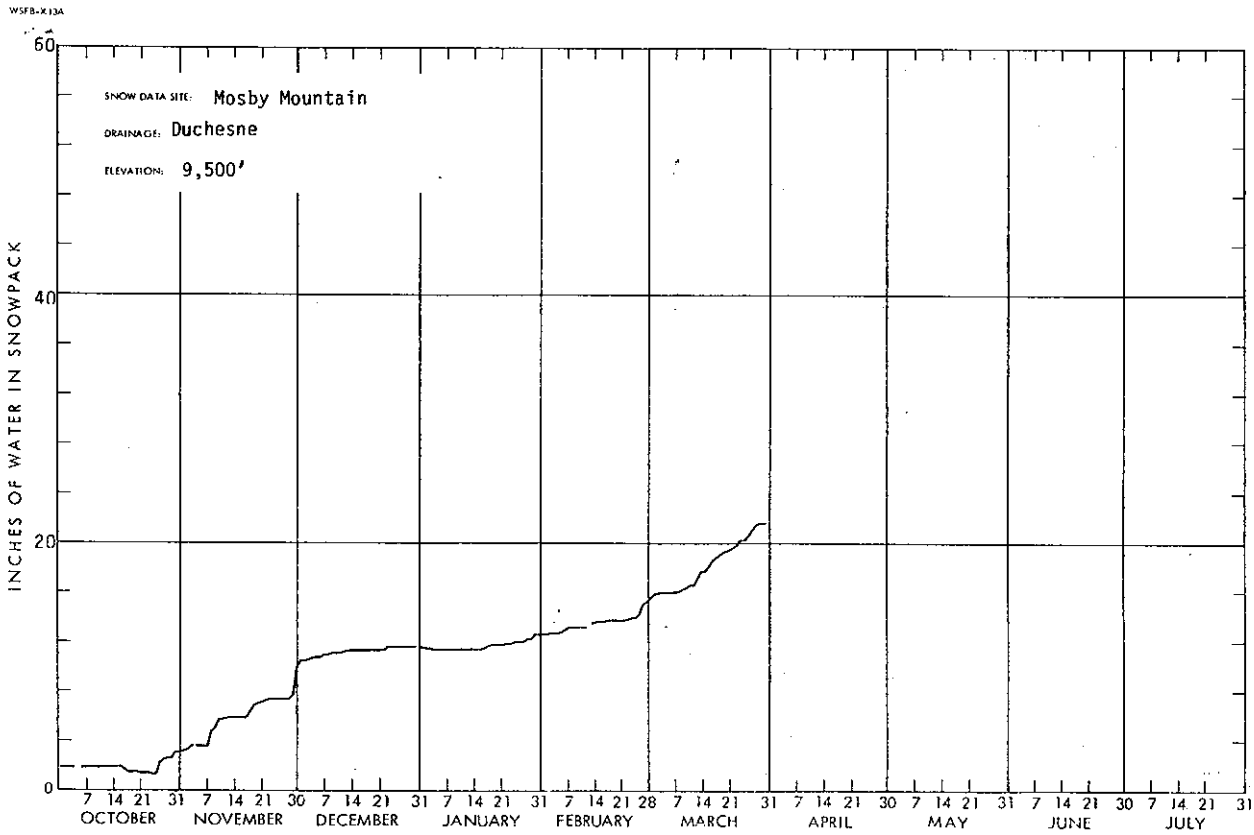
JUNE
JULY


WSFB-X13A
SNOW DATA SITE: Mosby Mountain
DRAINAGE: Duchesne
ELEVATION: 9,500'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
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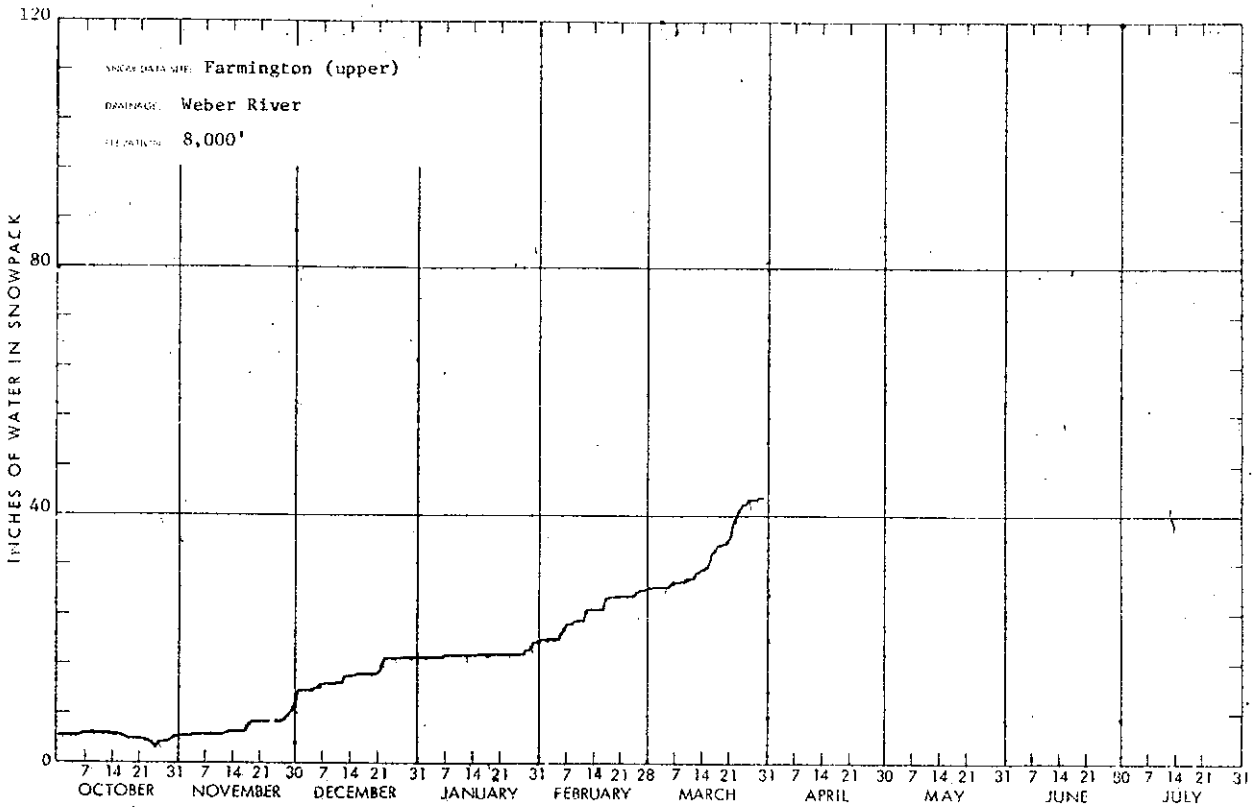
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: Farmington (upper)
DRAINAGE: Weber River
ELEVATION: 8,000'
INCHES OF WATER IN SNOWPACK
120
80
40
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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DECEMBER
JANUARY
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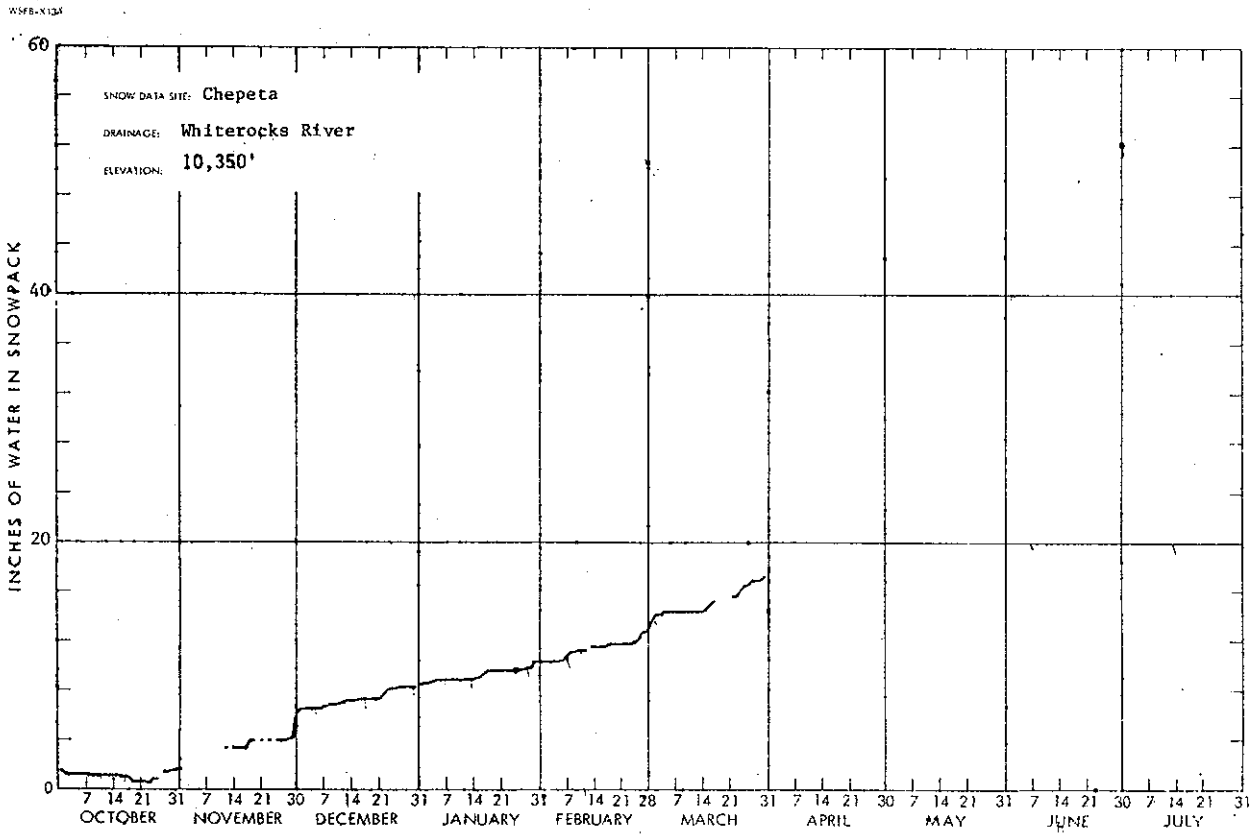
JUNE
JULY


SNOW DATA SITE: Chepeta
DRAINAGE: Whiterocks River
ELEVATION: 10,350'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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DECEMBER
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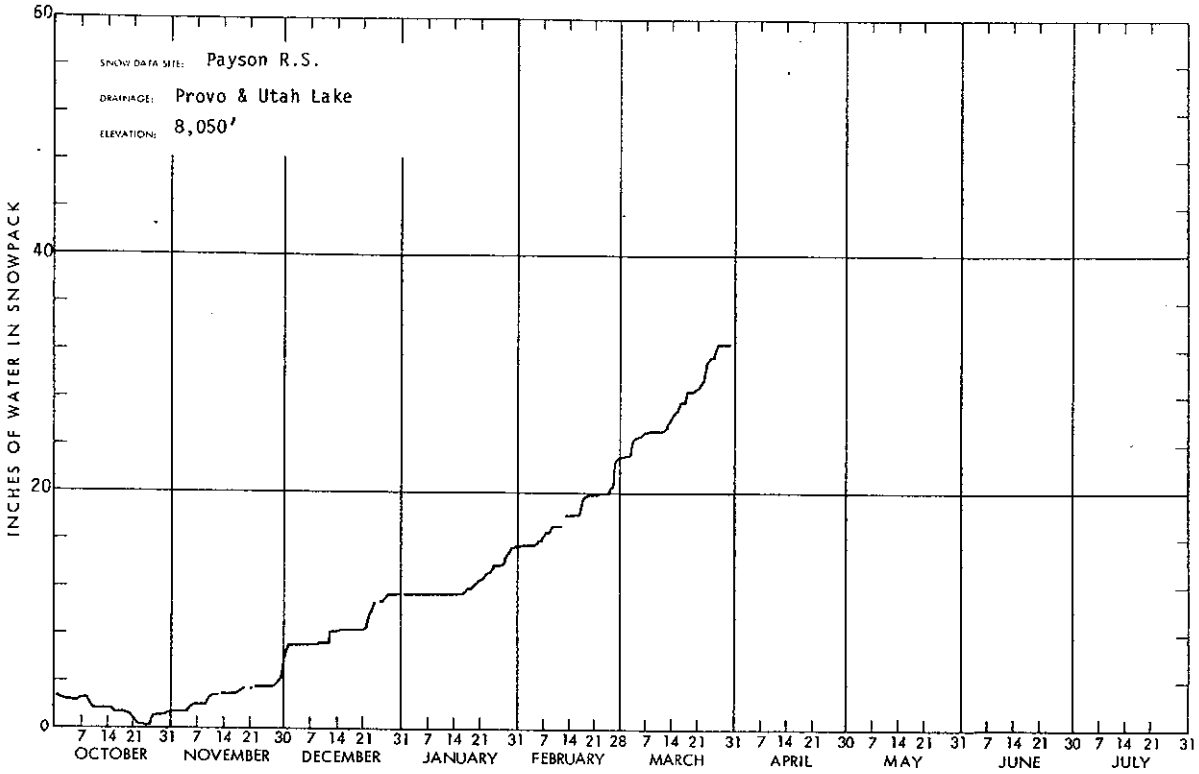
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

W5FB-X13A



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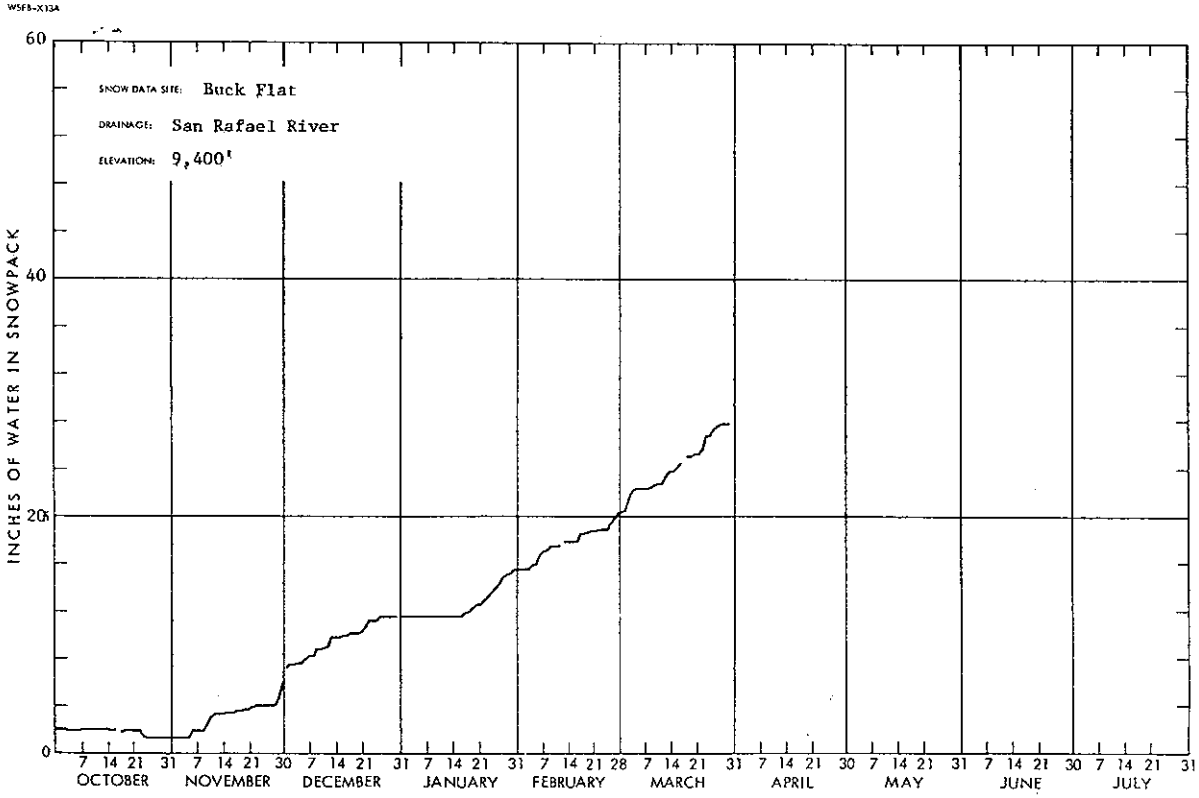

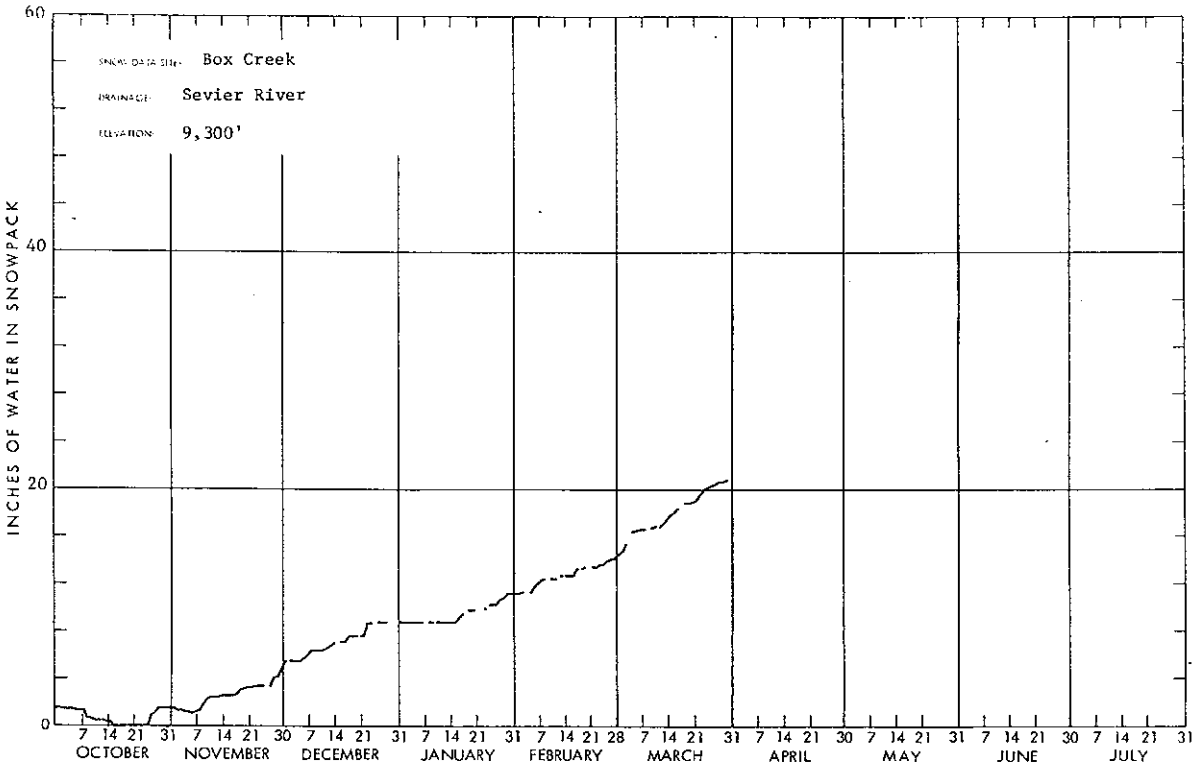
SNOW DATA SITE: Box Creek
DRAINAGE: Sevier River
ELEVATION: 9,300'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
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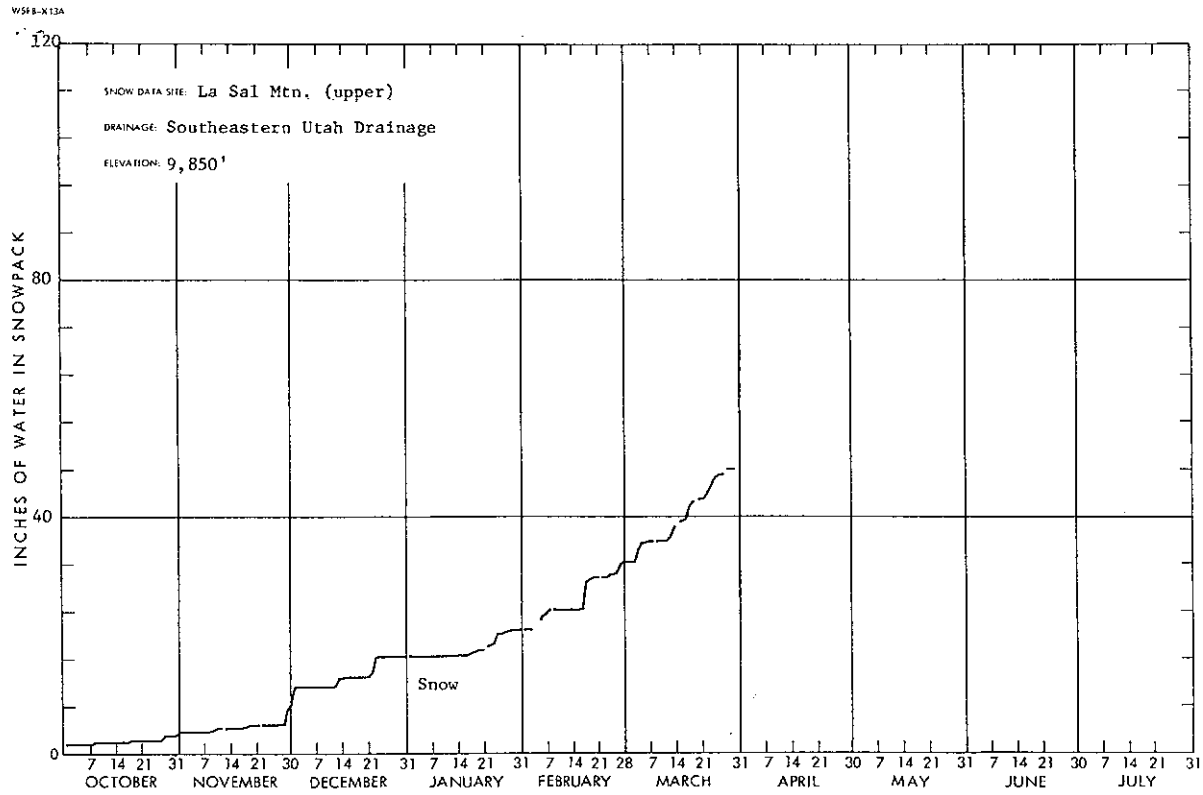
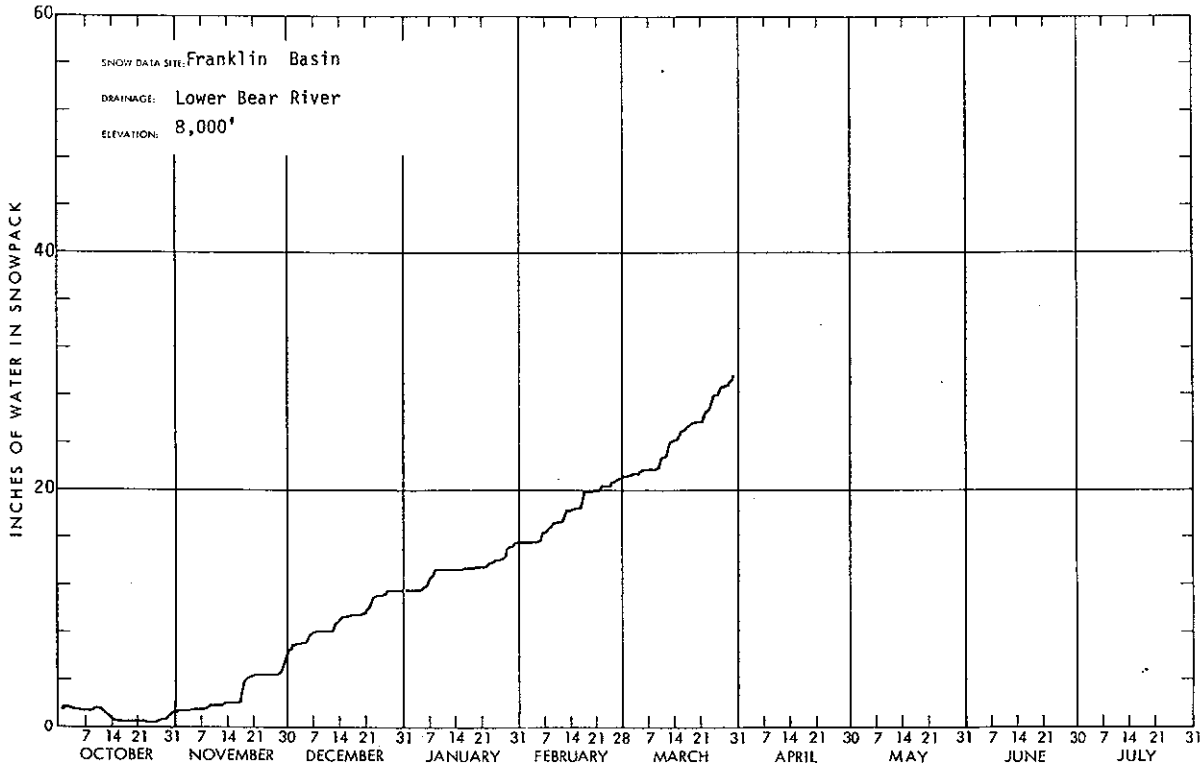
MARCH
APRIL
MAY
JUNE
JULY


WSFB-X13A
SNOW DATA SITE: La Sal Mtn. (upper)
DRAINAGE: Southeastern Utah Drainage
ELEVATION: 9,850'
INCHES OF WATER IN SNOWPACK
120
80
40
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13A



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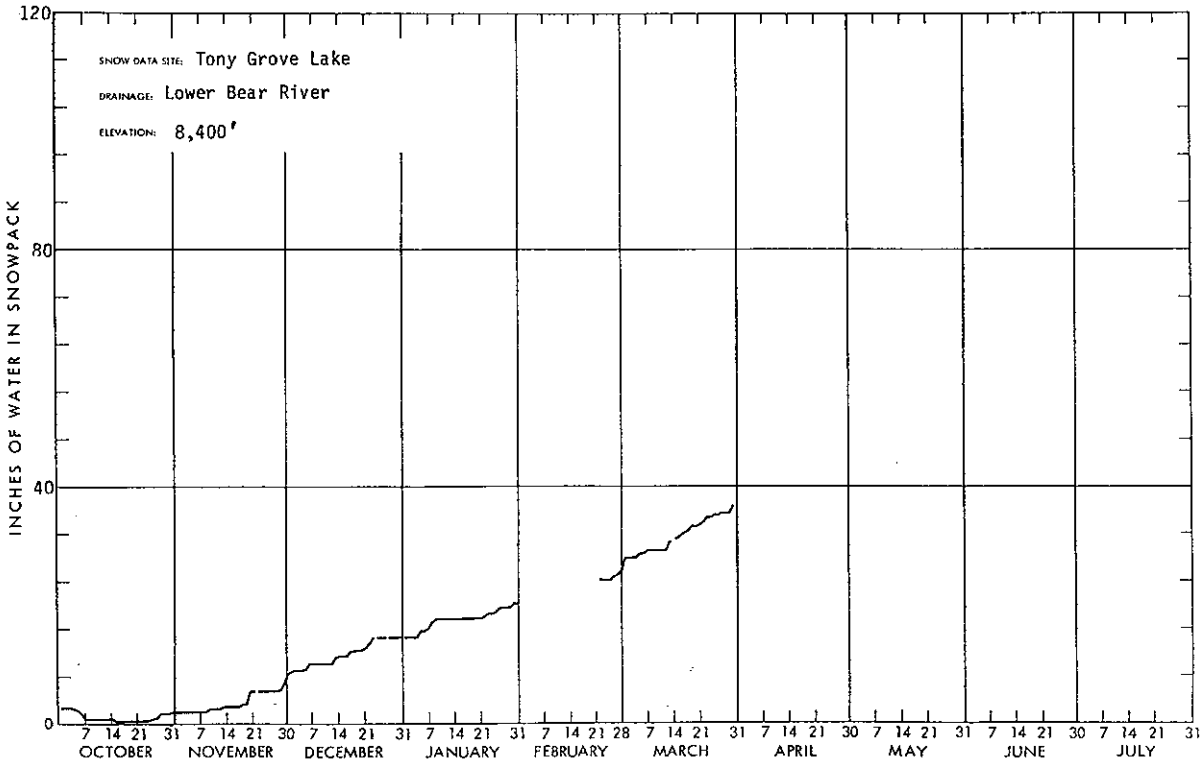

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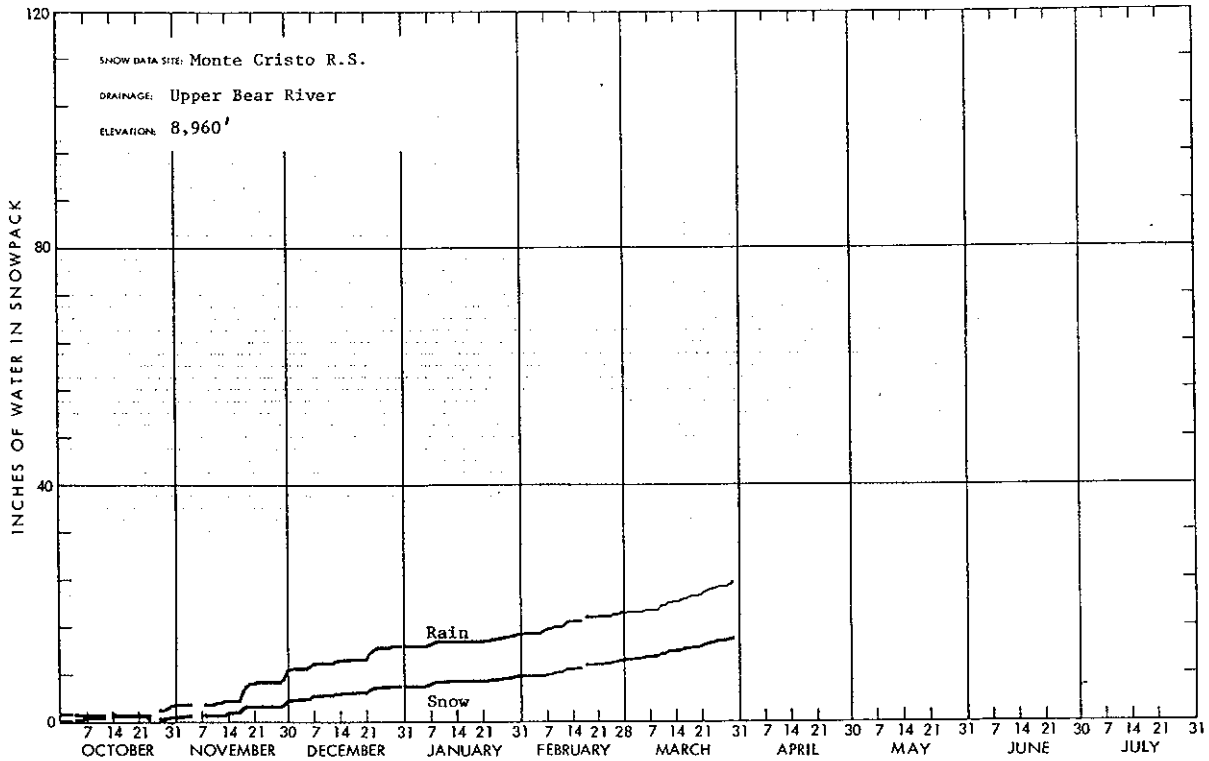

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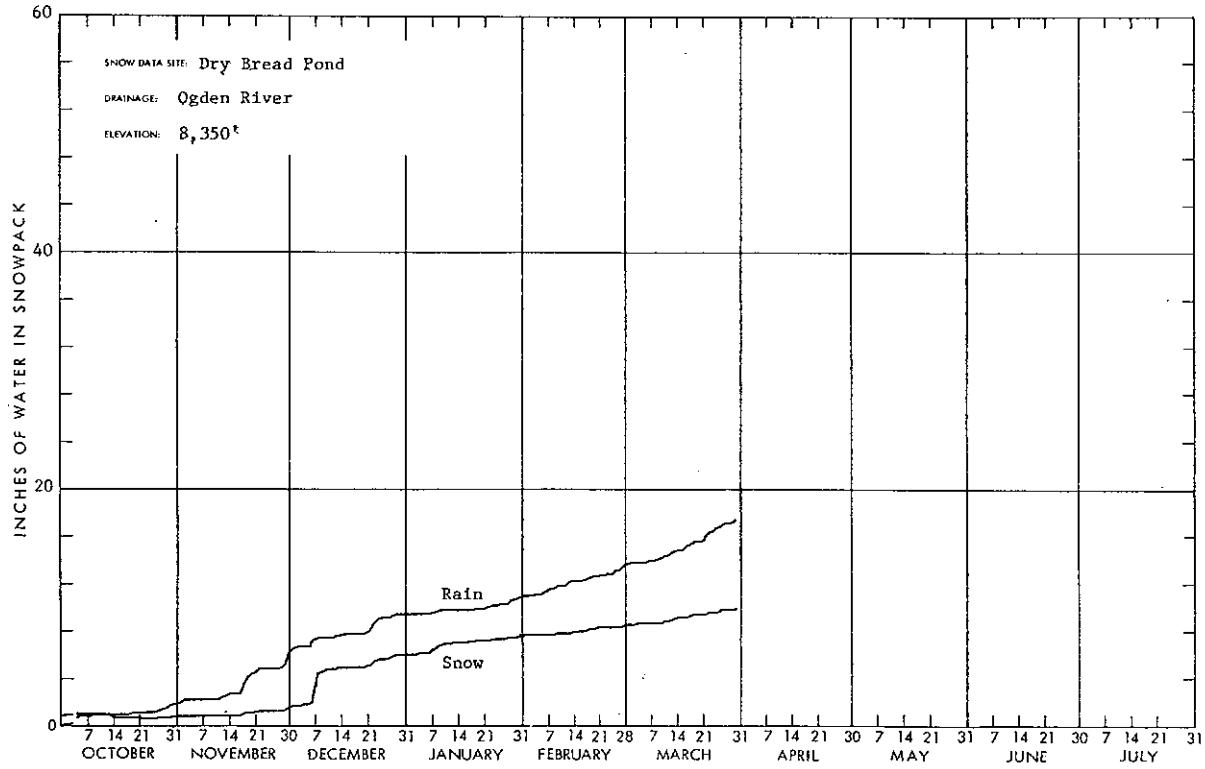
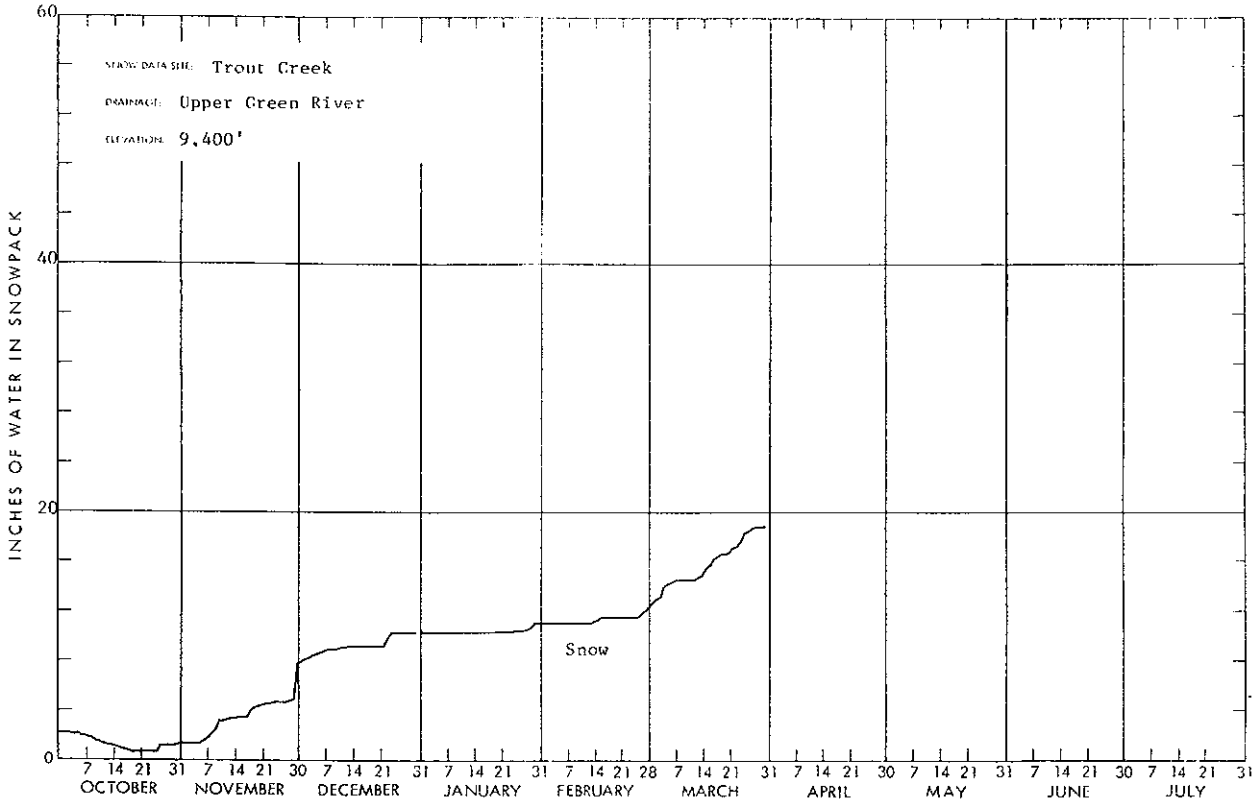
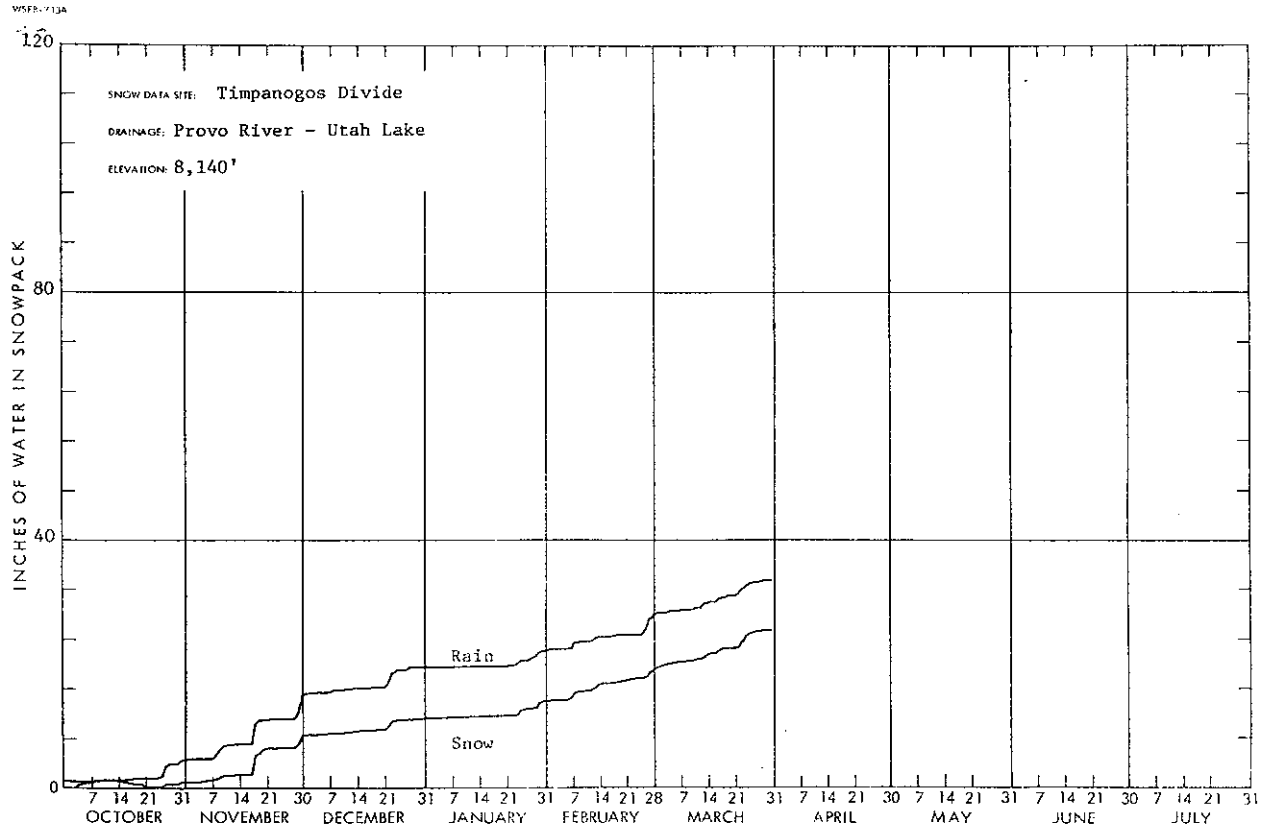
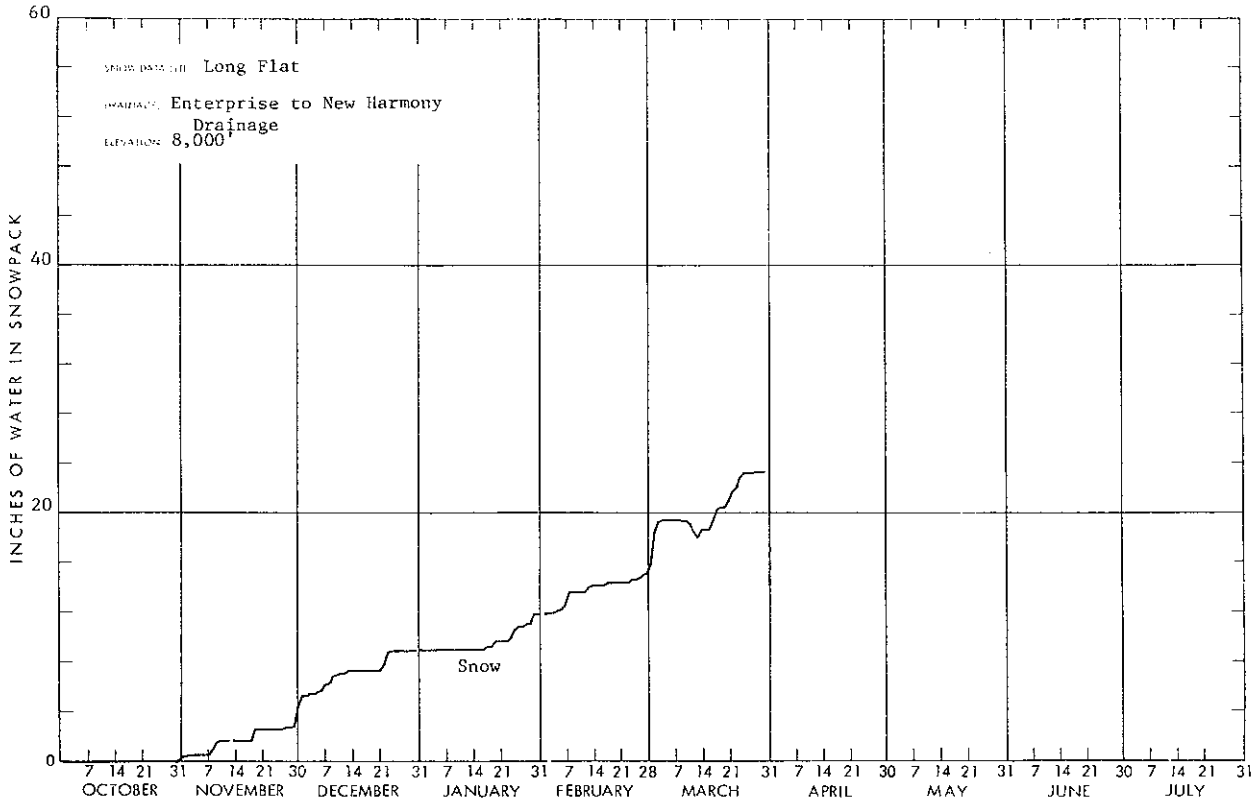



SNOW DATA SITE: Trout Creek
DRAINAGE: Upper Green River
ELEVATION: 9,400'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Timpanogos Divide
DRAINAGE: Provo River - Utah Lake
ELEVATION: 8,140'
INCHES OF WATER IN SNOWPACK
120
80
40
0
Rain
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


Long Flat
Enterprise to New Harmony Drainage
8,000'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
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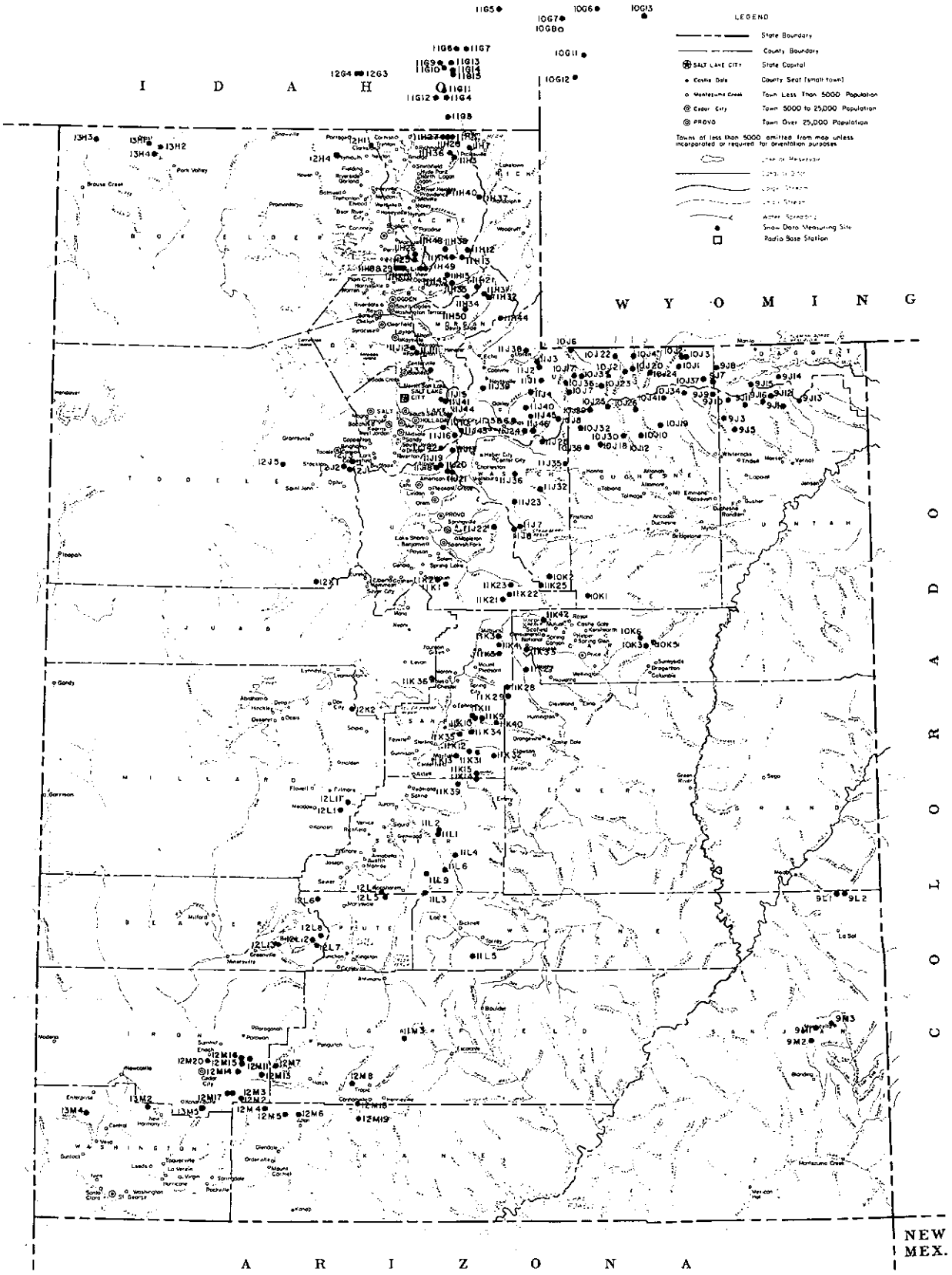
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USDA-SCS PORTLAND, OR 1981 M7-01-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	3	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H87ST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC.	TWP	RGE	ELEV.
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickenon Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Current Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station.
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage.
10J7a	Aerial Marker Only.
10J7p	Storage Precipitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.
10J7PST	Snotel Data Site.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- 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

STATE AGENCIES

- 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

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- 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

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SOIL CONSERVATION SERVICE
FEDERAL BLDG., — ROOM 4012
125 SOUTH STATE ST.
SALT LAKE CITY, UTAH 84138

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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"

United States
Department of
Agriculture

**Soil
Conservation
Service**

**Salt Lake City
Utah**

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

May 1, 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Director
Division of Water Resources

Report prepared by Snow Survey Staff

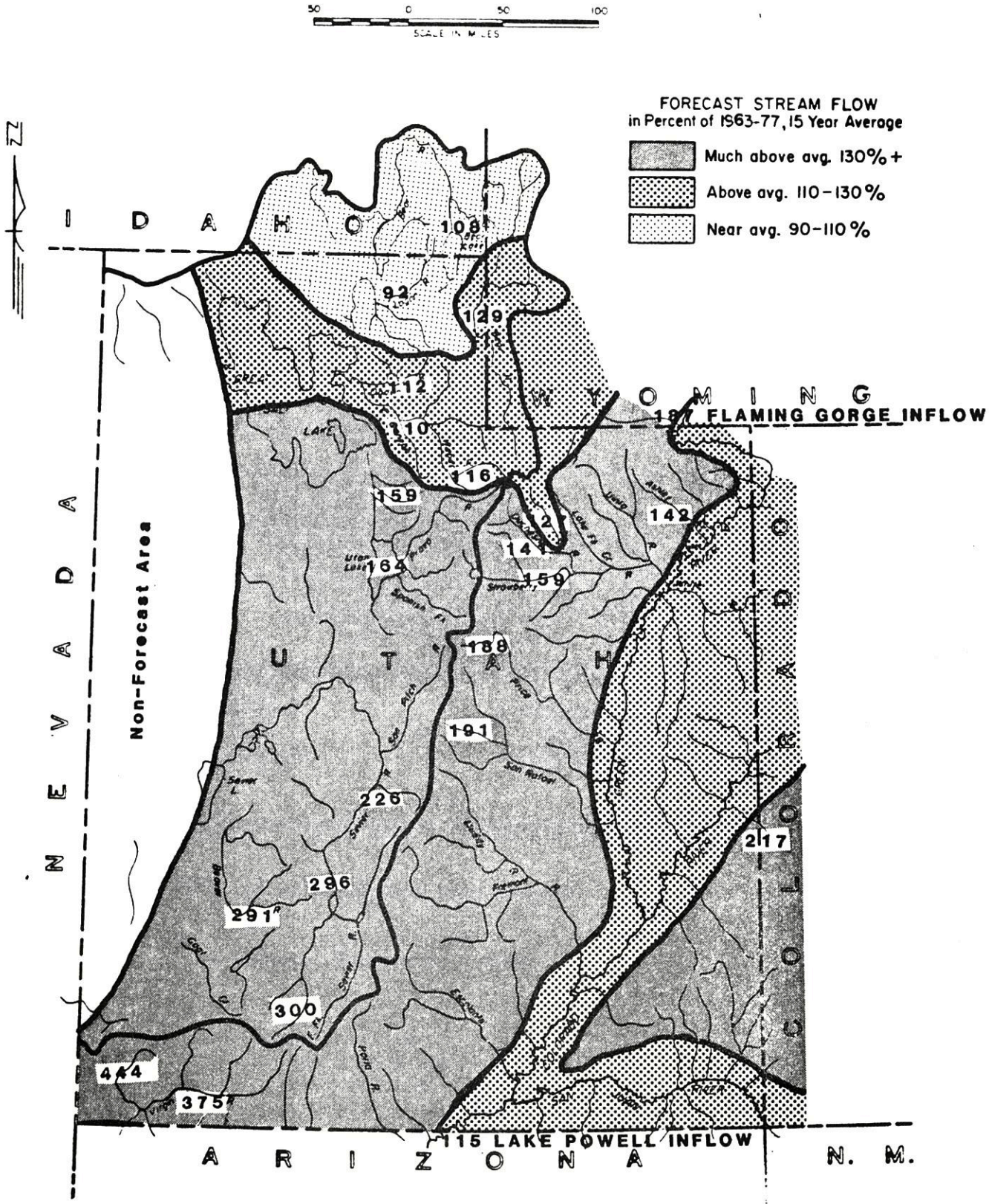
BOB L. WHALEY, Supervisor

Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

May 1, 1983
Approximate Date



USDA-SCS PORTLAND, OREG 1970 M-2853

WATER SUPPLY OUTLOOK

As Of May 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 water supply outlook ranges from near      *
* average in the north to well above average in the south.*
* Snow cover ranges from 104% on the Logan River drainage *
* to 524% of the May 1 average on the Enterprise to New  *
* Harmony drainages in the southwestern corner of the    *
* state.  Statewide snow cover this year is 145% of      *
* average.  This is just 6% less than the maximum        *
* statewide snowpack on record, which occurred in 1952.  *
* Precipitation during April, for the most part, was near *
* normal with some isolated areas much below or above    *
* average.  Soil moisture throughout the state is much   *
* higher than normal and reservoir storage is 122% of    *
* average.  Streamflow forecasts range from near average *
* to over five times average.                            *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

SNOW COVER

Snow measurements taken the last week of April indicate even though precipitation during the month of April was generally near average snow cover as a percent of average increased substantially due to cooler than normal temperatures and less melt than usual. Snow now ranges from near normal on the Bear, Logan and Weber River drainages to nearly 1 1/2 times average on the Ogden River and Wasatch Front drainages. Provo River and Utah Lake drainages are now 1 3/4 times average. Uinta Mountain snowpack ranges from 129% of the May 1 average on Blacks Fork to 187% on the Duchesne. Southeastern Utah drainages have two to three times average snowpack ranging from 194% on the Price River to 310% on the Blue Mountains. The Sevier River and southwestern Utah snowpack ranges from 199% on Parowan Creek to 524% on the Enterprise to New Harmony drainages.

Many central and southern Utah snow courses had record snowpack measurements again this month.

PRECIPITATION

Precipitation at mountain stations was generally near average over the state during April. Seasonal totals (October 1, 1982 to May 1, 1983) now range from near normal in northern Utah to almost twice normal for some stations in the central and southern part of the state.

SOIL MOISTURE

Watershed soils throughout the state are much wetter than normal and will be able to absorb less snowmelt water than usual.

RESERVOIR STORAGE

Storage in 24 of Utah's key reservoirs is 122% of average and 92% of usable capacity. Many reservoirs are still holding storage down in order to provide space for snowmelt runoff.

USDA-SCS-PORTLAND, OR 1977

WATER SUPPLY OUTLOOK (continued)

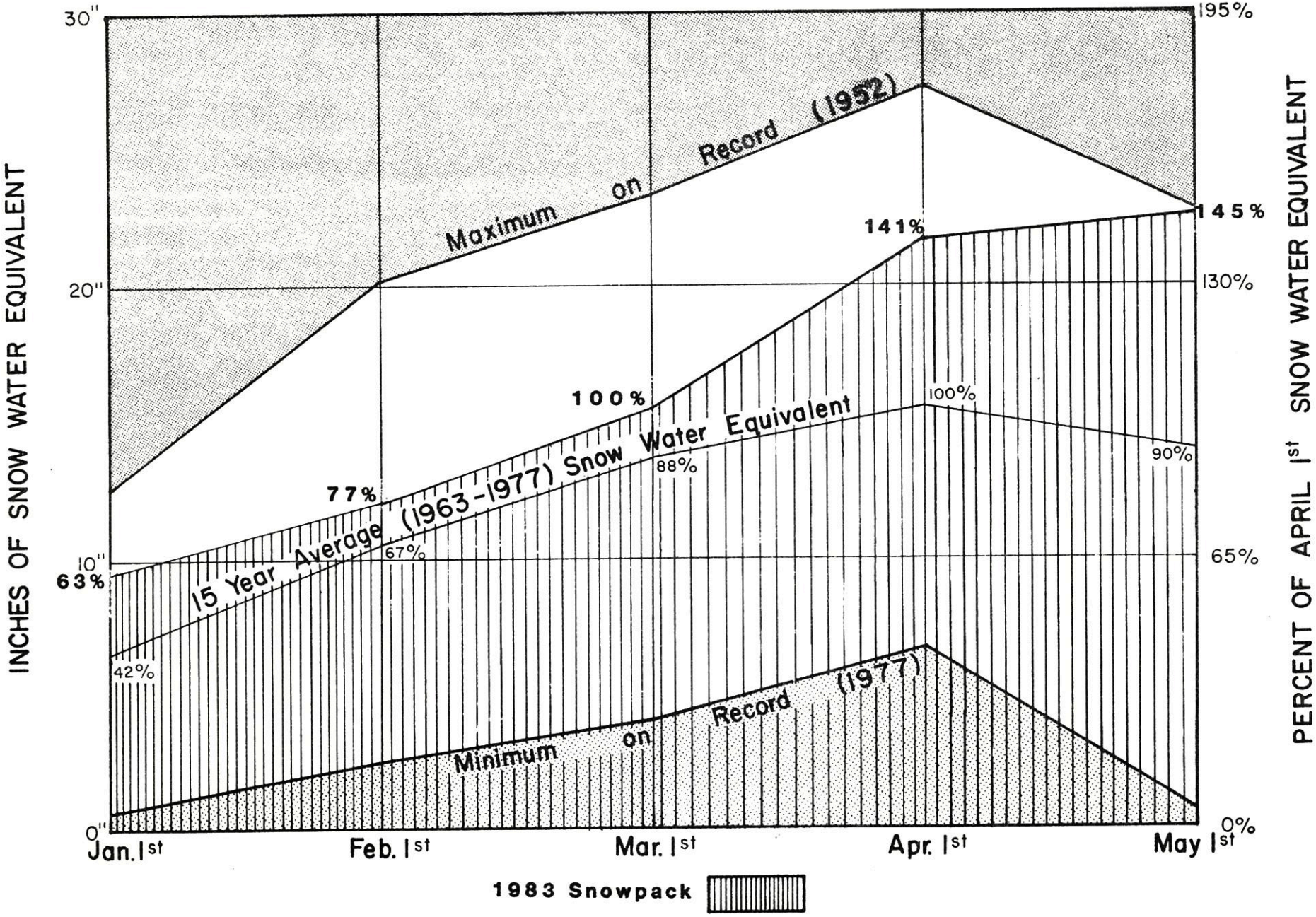
STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period as a percent of average have generally increased and now range from slightly above normal for most streams in northern Utah to more than five times average in the southwestern part of the state. Streams in the Cache Valley area are forecast near average ranging from 90% for the Little Bear to 108% for Blacksmith Fork. Bear River and Weber Basin forecasts range from 108% of the May-September average for the Bear at Harer, Idaho to 135% of the May-June average for Chalk Creek near Coalville. Provo River-Utah Lake and Jordan River tributaries have forecasts ranging from 137% for Little Cottonwood Creek near Salt Lake City to 243% of the May-July average for the Spanish Fork River at Thistle. Uintah Mountain streams range from 87% of average for Flaming Gorge Inflow to 190% for the Duchesne at Randlett. Colorado River tributaries in southeastern Utah range from 111% of average for the Green at Green River to 217% for Mill Creek near Moab. The Sevier River and Beaver River forecasts range from 222% for Pleasant Creek near Mt. Pleasant to 548% for Minersville Reservoir Inflow. The Virgin River is forecast 375% and Lake Powell Inflow 115%. Peak flow forecasts for central and southern Utah are well above average and precautions should be taken to protect property near stream channels.

The Great Salt Lake is now forecast to rise to near 4,204 feet depending on the extent of May precipitation and evaporation. Utah Lake is forecast to peak at 2.90 feet above compromise provided weather and runoff conditions are normal throughout the remainder of the spring.

UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses

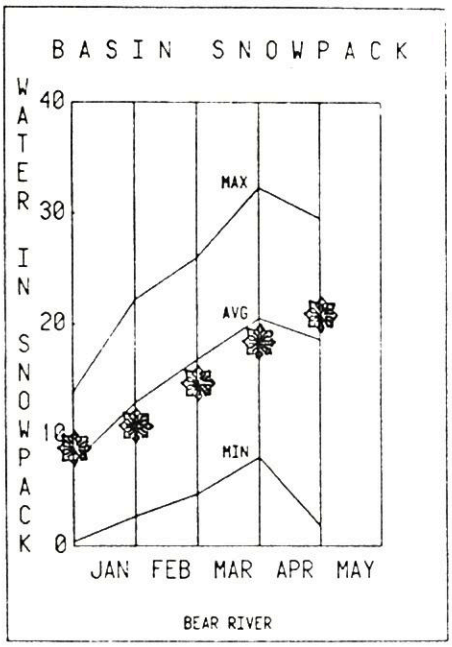


Soil Conservation Service, Salt Lake City, Utah

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	1106.4	1003.7	1098.4
	Woodruff Narrows	57.3	57.4	56.8	25.7
	Woodruff Creek	---	3.5		
Beaver River	Minersville (RkyFd)	26.0	23.5	19.9	15.3
Little Bear	Hyrum	15.3	10.8	10.2	13.4
	Porcupine	11.3	11.9	11.9	8.7
Ogden	Causey	6.9	1.8	3.4	2.3[b]
	Pineview	110.1	83.3	78.3	76.9
Provo	Deer Creek	149.7	112.4	125.7	115.1
Settlement Creek	Settlement Creek	1.2	1.0	0.7	--
	Vernon Creek	0.6	0.6	0.6	--
Sevier River	Gunnison	18.2	17.1	18.2	14.9
	Otter Creek	52.5	34.5	54.2	39.5
	Piute	71.8	71.4	66.8	47.1
	Sevier Bridge	236.0	227.6	217.2	144.6
	Panguitch Lake	22.3	21.8		
Spanish Fork	Strawberry	270.0	263.4	193.0	166.0
Utah Lake	Utah Lake	883.9	1164.5	936.7	775.0
Weber	East Canyon	48.1	39.6	35.8	33.1
	Echo	73.9	40.2	20.7	55.2
	Lost Creek	20.0	15.2	13.0	13.9[b]
	Rockport	60.9	32.4	35.2	37.2
	Willard Bay	193.3	161.1	159.0	162.9
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	27.2	25.5	23.7
	Red Fleet	26.0	20.7		
Colorado	Blue Mesa	829.5	434.6	237.7	--
	Lake Powell	25002.0	22782.0	19859.0	--
Green	Flaming Gorge	3749.0	3248.6	2636.4	--
Lakefork	Moon Lake	35.8	33.2	17.7	19.0
Price River	Scofield	65.8	37.6	43.2	36.9
San Juan	Navajo	1696.0	1316.8	1283.9	--
	Ken's Lake	2.3	1.6	1.2	--
San Rafael	Huntington North	3.9	3.6	3.3	3.9[b]
	Joe's Valley	54.6	33.9	31.9	39.1[b]
	Mill Site	16.7	15.5	8.5	--
Strawberry	Starvation	165.3	117.5	123.9	--
	Soldier Creek	951.4	41.4		
Uintah	Bottle Hollow	11.5	11.0	11.0	--

USDA-SCS-PORTLAND, OREG. 1969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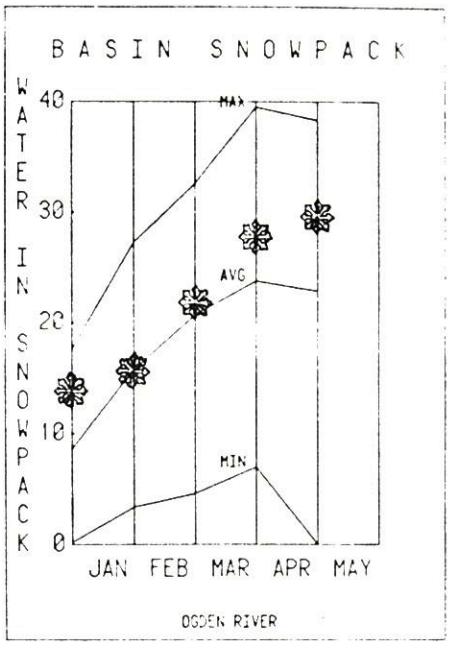
BEAR RIVER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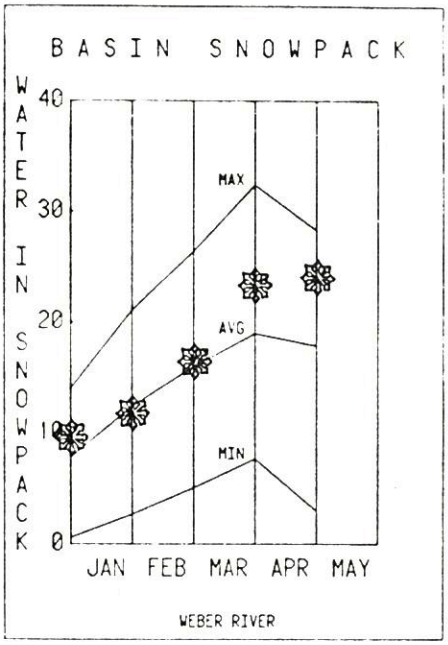
OGDEN RIVER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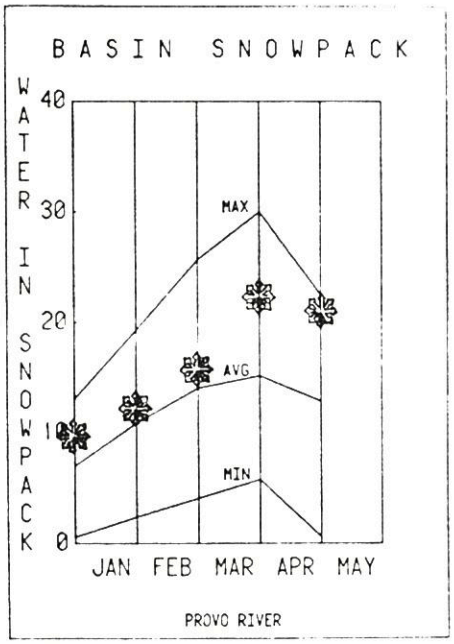
WEBER RIVER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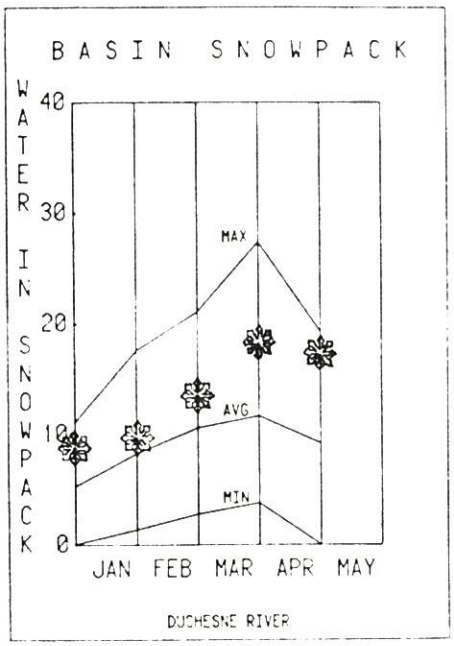
PROVO RIVER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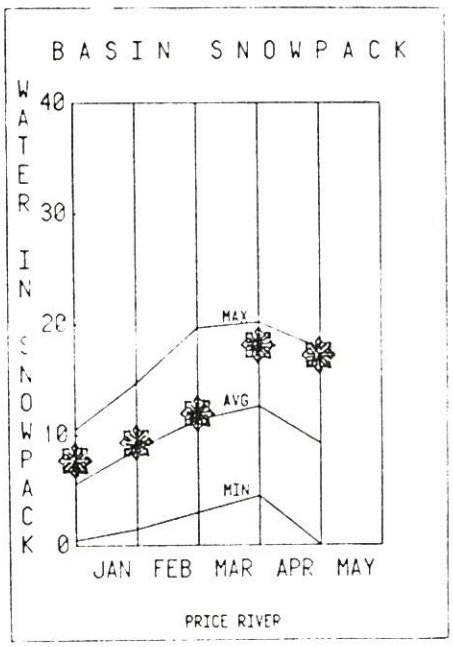
DUCHESNE RIVER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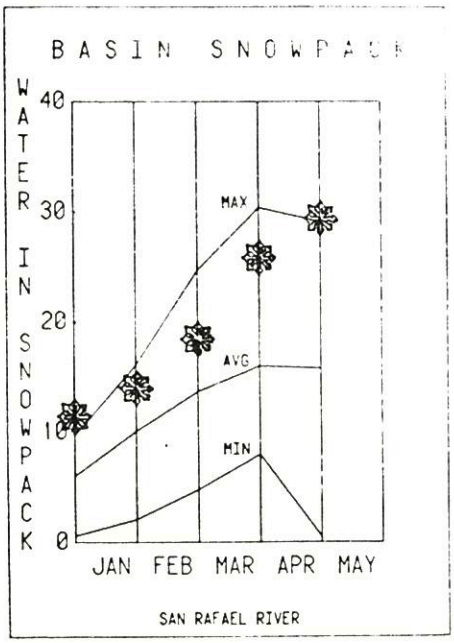
PRICE RIVER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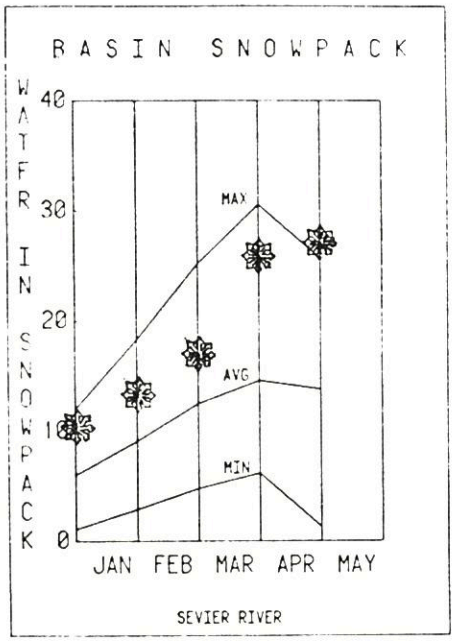
SAN RAFAEL RIVER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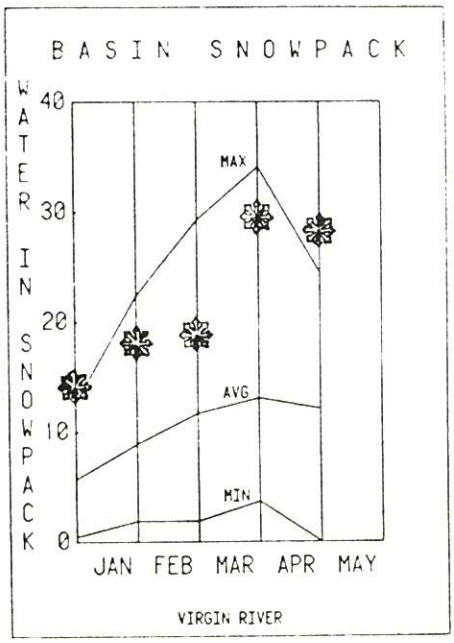
SEVIER RIVER


BASIN SNOWPACK
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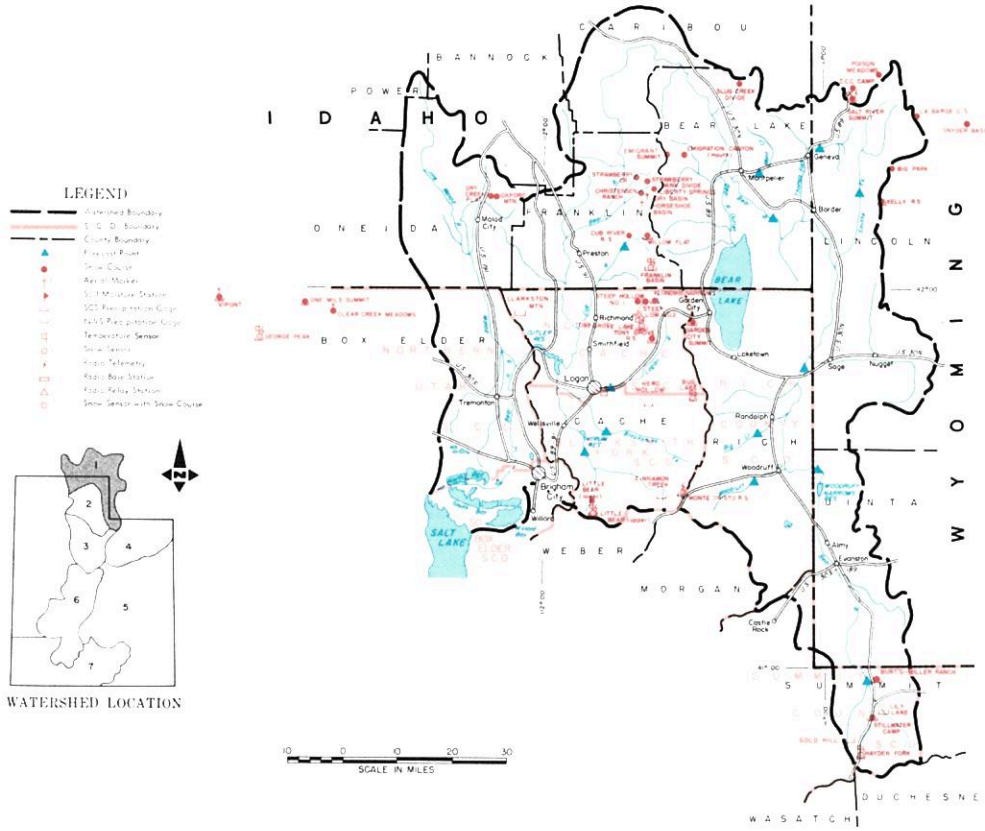
JAN FEB MAR APR MAY
VIRGIN RIVER

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER did not melt as much as usual on Bear River and now ranges from 104% of the May 1 average on Logan River to 110% on all of the Lower Bear. Upper Bear is now 106% of the 15 year average.

PRECIPITATION at mountain stations ranged from 99% of the April average at Stillwater Camp to 136% at Garden City Summit.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with Woodruff Narrows and Porcupine spilling and others releasing water to make room for runoff. Bear Lake is now 101% of average.

STREAMFLOW FORECASTS for the May-July period now range from 90% for Little Bear near Paradise to 131% for Big Creek near Randolph. Bear River is forecast 124% at the Utah-Wyoming line, 129% at Woodruff, 127% at Randolph and 108% at Harer, Idaho. Woodruff Creek is forecast 96%, Thomas Fork 105%, Smiths Fork 95%, Cub River 106%, Logan River 92% and Blacksmith Fork 108%.

All water users are expected to have adequate water supplies this season and peak flows are forecast about average assuming normal temperature and precipitation during the runoff season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	135	124	May-July	146	109
Bear nr Woodruff	163	129	May-July	144	126
Woodruff Crk nr Woodruff, UT	15.6	96	May-July	22	16.3
Big Creek nr Randolph, UT	6.3	131	May-July	--	4.8b
Bear nr Randolph	117	127	May-July	118	92
Thomas Fork nr ID-WY State Ln	32	105	May-Sept	--	30
Smith's Fork nr Border, WY	106	95	May-Sept	--	112
Bear at Harer, Idaho 1/	293	108	May-Sept	--	271
Logan nr Logan 1/	96	92	May-July	157	105
Blacksmith Fork nr Hyrum	44	108	May-July	63	40
Little Bear nr Paradise	24	90	May-June	43	26
Cub River nr Preston, ID	52	106	May-Sept	--	49

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	18	73	109
UPPER BEAR RIVER	4	82	106
LOWER BEAR RIVER	14	72	110
LOGAN RIVER	7	72	104

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	1106.4	1003.7	1098.4
	Woodruff Narrows	57.3	57.4	56.8	25.7
	Woodruff Creek	4.0	3.5		
LITTLE BEAR	Hyrum	15.3	10.8	10.2	13.4
	Porcupine	11.3	11.9	11.9	8.7

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	650-1240	1016
Woodruff Creek nr Woodruff	240-390	267
Little Bear nr Paradise	390-710	507
Bear nr. Ut.-Wyo. Stateline	1620-2360	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	4/27	13	4.2	4.0	3.0
Cub River R.S.	4/26	0	0.0	0.6	0.0
Emigrant Summit	4/28	74	30.2	35.3	24.9
Franklin Basin	4/26	75	30.2	41.2	27.0
Hayden Fork	4/27	52	18.2	21.3	16.7
Klondike Narrows	4/26	49	20.2	28.4	16.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	4/26	17	3.3	4.9	2.1
Little Bear Upper	4/26	30	8.5	9.2	6.7
Monte Cristo	4/26	77	27.8	37.4	27.6
Salt River Summit	4/26	50	15.2	18.8	15.4
Stillwater Camp	4/27	37	11.0	12.3	10.2b
Tony Grove R.S.	4/26	19	6.9	14.4	3.8

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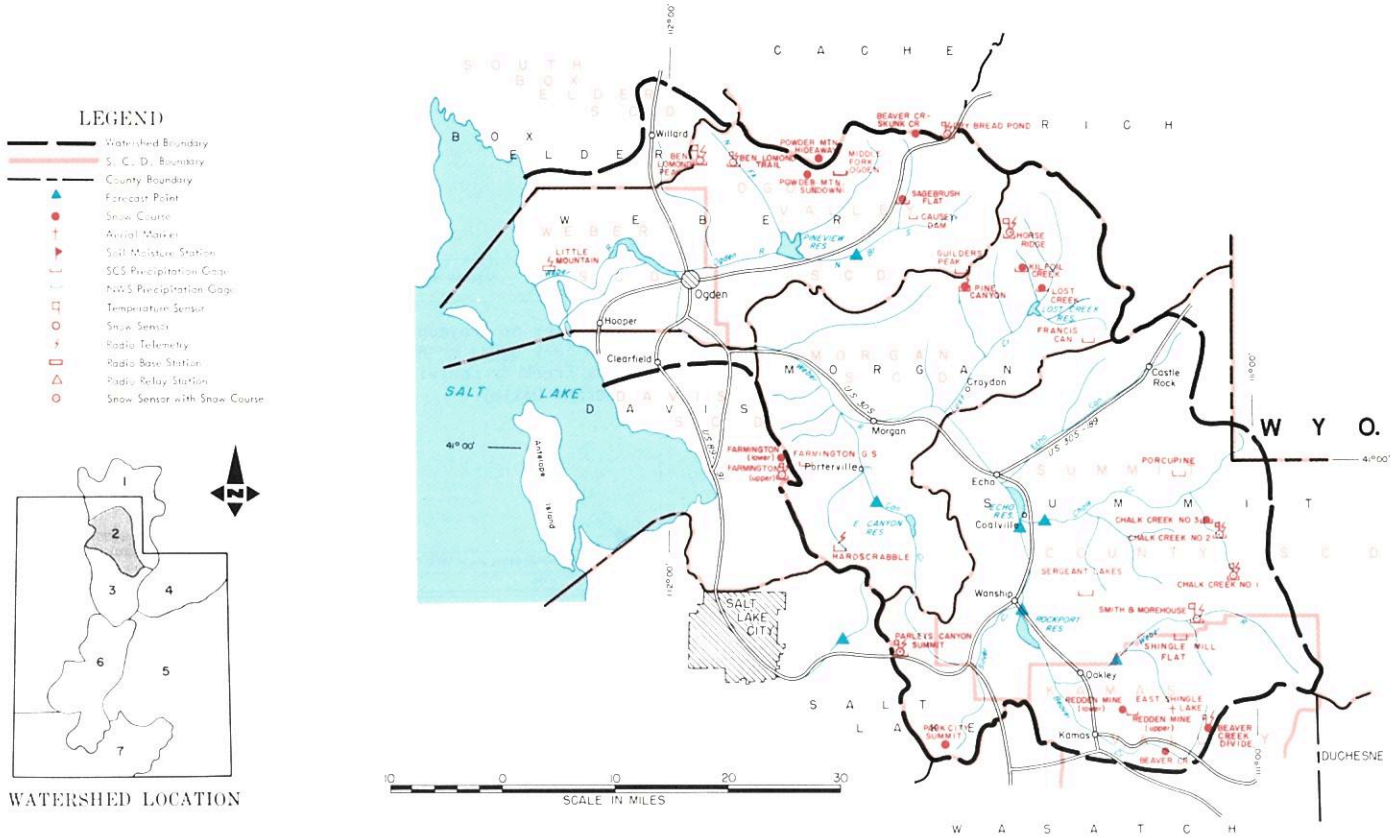
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER did not melt as much as usual during April and now ranges from 114% of the May 1 average on the Weber to 142% on the Ogden.

PRECIPITATION at mountain stations varied from 64% of the April average at Smith and Morehouse to 107% at Ben Lomond Trail and Horse Ridge.

SOIL MOISTURE is above average and is expected to absorb very little snow melt water.

RESERVOIR STORAGE is 107% of the May 1 average on the Ogden and 95% of average on the Weber after releasing water to make space for delayed spring runoff.

STREAMFLOW FORECASTS range from 110% of the May-June average on East Canyon Creek to 155% on Farmington Creek. The Ogden is forecast 112% on South Fork and 124% for Pineview Inflow. Weber River is forecast 116% at Oakley, 119% for Rockport Inflow, 120% for Echo Inflow, and 124% at Gateway. Chalk Creek is forecast 135%, Hardscrabble 118% and Lost Creek 114% of the May-June average.

All water users are expected to have adequate water supplies this season. Peak flows are expected to be in the 10 to 30% above average range. Property adjacent to streams should be protected.

USDA-SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	111	116	May-June	122	96
Rockport Reservoir Inflow 1/	116	119	May-June	149	98
Chalk Creek at Coalville	44	135	May-June	50	33
Weber nr Coalville	122	117	May-June	145	104
Lost Creek nr Croydon, UT	14.4	114	May-June	20	12.6b
East Canyon Creek nr Morgan 1/	19.0	110	May-June	29	17.3
Hardscrabble Crk nr Porterville	16.8	118	May-June	--	14.7b
South Fork Ogden nr Huntsville	47	112	May-June	65	42
Pineview Reservoir Inflow 2/	94	124	May-June	106	76
Echo Reservoir Inflow	160	120	May-June	180	133
Weber at Gateway	295	124	May-June	289	238
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	10.7	155	May-July	--	6.9b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	94	142
WEBER RIVER	12	82	114

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
OGDEN	Causey	6.9	1.8	3.4	2.3
	Pineview	110.1	83.3	78.3	76.9
WEBER	East Canyon	48.1	39.6	35.8	33.1
	Echo	73.9	40.2	20.7	55.2
	Lost Creek	20.0	15.2	13.0	13.9
	Rockport	60.9	32.4	35.2	37.2
	Willard Bay	193.3	161.1	159.0	162.9

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	220-340	220
South Fork Ogden nr Huntsville	730-1020	772
Chalk Creek nr Coalville	590-930	568
Weber nr Oakley	1600-2060	1560

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	4/29	10	3.8	4.0	1.3
Beaver Creek-Skunk Creek	4/26	30	10.1	11.8	7.1
Ben Lomond Peak	4/26	126	52.1	51.2	37.2
Ben Lomond Trail	4/26	48	17.3	17.1	7.7b
Chalk Creek #1	4/27	79	29.0	34.3	25.4
Chalk Creek #2	4/27	50	17.2	20.9	15.3
Chalk Creek #3	4/27	20	6.4	6.7	3.5
Dry Bread Pond	4/26	56	20.4	27.1	19.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	4/26	62	23.1	31.6	20.8b
Lost Creek Reservoir	4/26	0	0.0	0.0	0.0
Monte Cristo	4/26	77	27.8	37.4	27.6
Parleys Canyon Summit	4/27	62	23.1	17.8	14.6
Sagebrush Flat	4/26	3	0.8	0.0	0.0
Smith & Morehouse	4/27	37	13.5	14.0	10.0
Trial Lake	4/29	88	31.4	39.1	26.1

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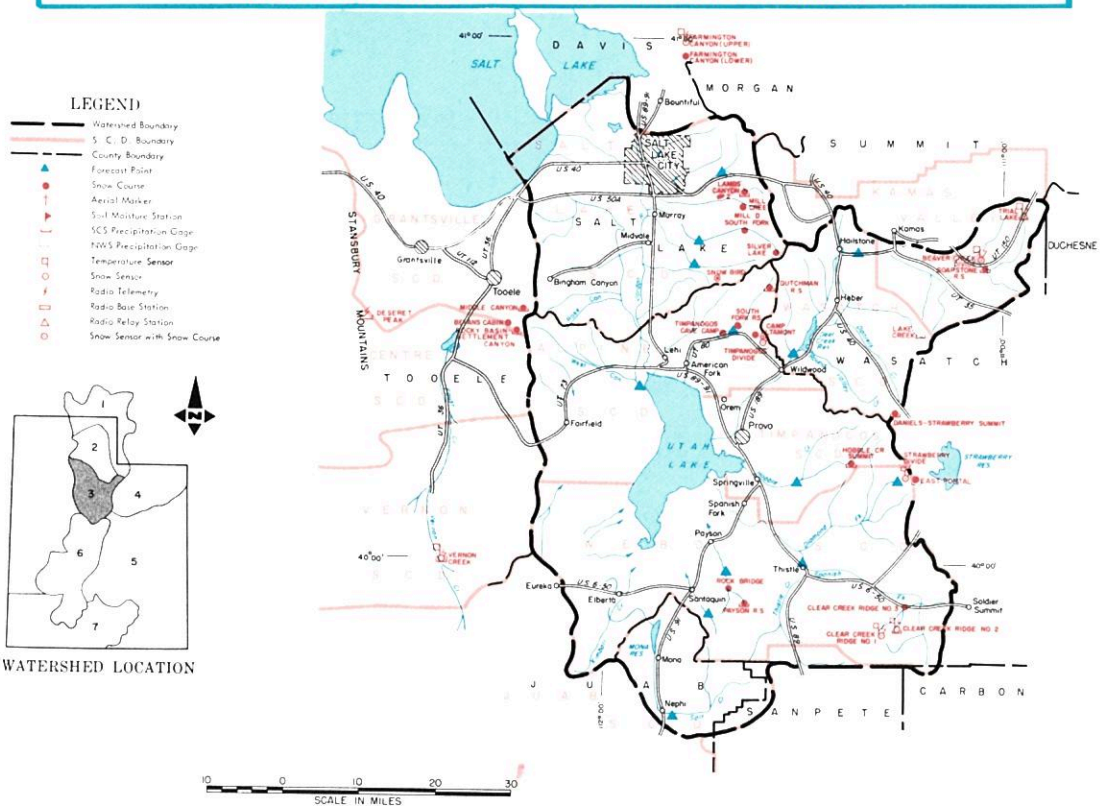
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER did not melt as much as usual in April and now ranges from 142% of the May 1 average along the Jordan River to 217% in Tooele Valley. Utah Lake drainages are now 173% of the May 1 fifteen year average.

PRECIPITATION at mountain stations varied from 70% of the April average at Clear Creek #2 to 121% at Middle Canyon above Tooele. Most other stations on the Provo-Utah Lake drainage were a little less than average for April.

SOIL MOISTURE is above average and is not expected to absorb much snow melt water.

RESERVOIR STORAGE is above average for all reservoirs except those that have released water to make room for spring runoff. Utah Lake is now 2.72 feet above compromise and Great Salt Lake is 4,203.70 feet above sea level and 3.30 feet above last year at this time.

STREAMFLOW FORECASTS range from 137% of the May-July average for Little Cottonwood to 413% of the May-June average for Vernon Creek. Other forecasts are: Provo near Hailstone 151%, Provo below Deer Creek Dam 158%, American Fork 171%, Hobble Creek 174%, Strawberry Inflow 149%, Spanish Fork at Thistle 243%, Payson Creek 196% and Utah Lake Inflow 164%. Little Cottonwood is forecast 137%, Big Cottonwood 159%, Parley's Creek 182%, Mill Creek 163%, Emigration Creek 186% and City Creek 181%. South Willow Creek near Grantsville is now forecast 156% and Settlement Creek near Tooele 235%.

High peak flows are expected and some damage has already occurred. Flood protection precautions should be taken to protect flood prone property.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD (THOUSAND ACRE FEET) Last Year 3	PAST RECORD (THOUSAND ACRE FEET) Average +
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	140	151	May-July	153	106
Provo below Deer Creek Dam 1/	155	158	May-July	--	100
American Fork nr American Fork	48	171	May-July	--	28
Hobble Creek nr Springville	25	174	May-July	--	14.4
Strawberry Reservoir Inflow 1/	63	149	May-July	84	42
Spanish Fork at Thistle	73	243	May-July	--	31
Payson Creek nr Payson	10.0	196	May-July	--	5.1b
Utah Lake Inflow	285	164	May-July	--	174
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	48	137	May-July	--	36
Big Cottonwood nr SLC	54	159	May-July	--	34
Parley's Creek nr SLC	22	182	May-July	--	12.1
Mill Creek nr SLC	8.8	163	May-July	--	5.4
Emigration Creek nr SLC	5.4	186	May-July	--	2.9
City Creek nr SLC	12.5	181	May-July	--	2.9
TOOELE VALLEY					
Settlement Crk nr Tooele	4.9	235	May-July	--	2.1b
S. Willow Crk nr Grantsville	4.0	156	May-July	3.6	2.6
Vernon Creek nr Vernon	1.9	413	May-June	0.8	0.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	11	115	173
JORDON RIVER	2	95	142
TOOELE VALLEY	3	249	217

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
SPANISH FORK	Strawberry	270.0	263.4	193.0	166
UTAH LAKE	Utah Lake	883.9	1164.5	936.7	775.5
	Settlement Creek	1.2	1.0	--	0.7
	Vernon Creek	0.6	0.6	0.6	--
PROVO	Deer Creek	149.7	112.4	125.7	115.1

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Big Cottonwood nr Salt Lake City	500-600	210
Little Cottonwood nr Salt Lake City	500-600	482
Provo Near Hailstone	2300-2700	310
Spanish Fork nr Thistle	1000-1200	
American Fork nr American Fork	550-650	
Mill Creek nr Salt Lake City	80-90	
Parley's Creek nr Salt Lake City	250-300	
City Creek nr Salt Lake City	110-130	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Camp Altamont	4/30	50	21.3	11.7	7.7
Clear Creek #1	4/27	56	24.1	23.1	17.7
Clear Creek #2	4/27	40	15.9	15.5	10.5
Clear Creek #3	4/27	0	0.0	0.0	0.1
Daniels-Strawberry Summit	4/28	44	19.1	15.1	9.5
Deseret Peak	4/28	109	44.2	38.5	--
Dutchman R.S.	4/30	54	24.7	18.1	9.8
Hobble Creek Summit	4/28	41	18.2	11.8	7.7
Lambs Canyon #2	4/27	54	20.4	15.5	--
Middle Canyon	5/1	53	23.0	6.0	10.4
Mill Creek	4/28	71	27.4	27.4	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Mill D South Fork	4/28	63	26.0	23.6	16.2
Parley's Canyon Summit	4/27	62	23.2	17.8	14.6
Payson R.S.	4/27	66	30.4	21.4	15.8
Rocky Basin-Settlement Canyon	4/28	121	52.2	29.8	30.2
Silver Lake Brighton	4/28	89	36.2	41.7	27.6
Soapstone R.S.	4/29	28	10.0	13.2	7.9
South Fork R.S.	4/30	12	5.6	0.0	--
Timpanogos Divide	4/30	84	35.9	36.6	22.0
Trial Lake	4/29	88	31.4	39.1	26.1
Vernon Creek	4/28	--	21.5a	3.1	4.0b

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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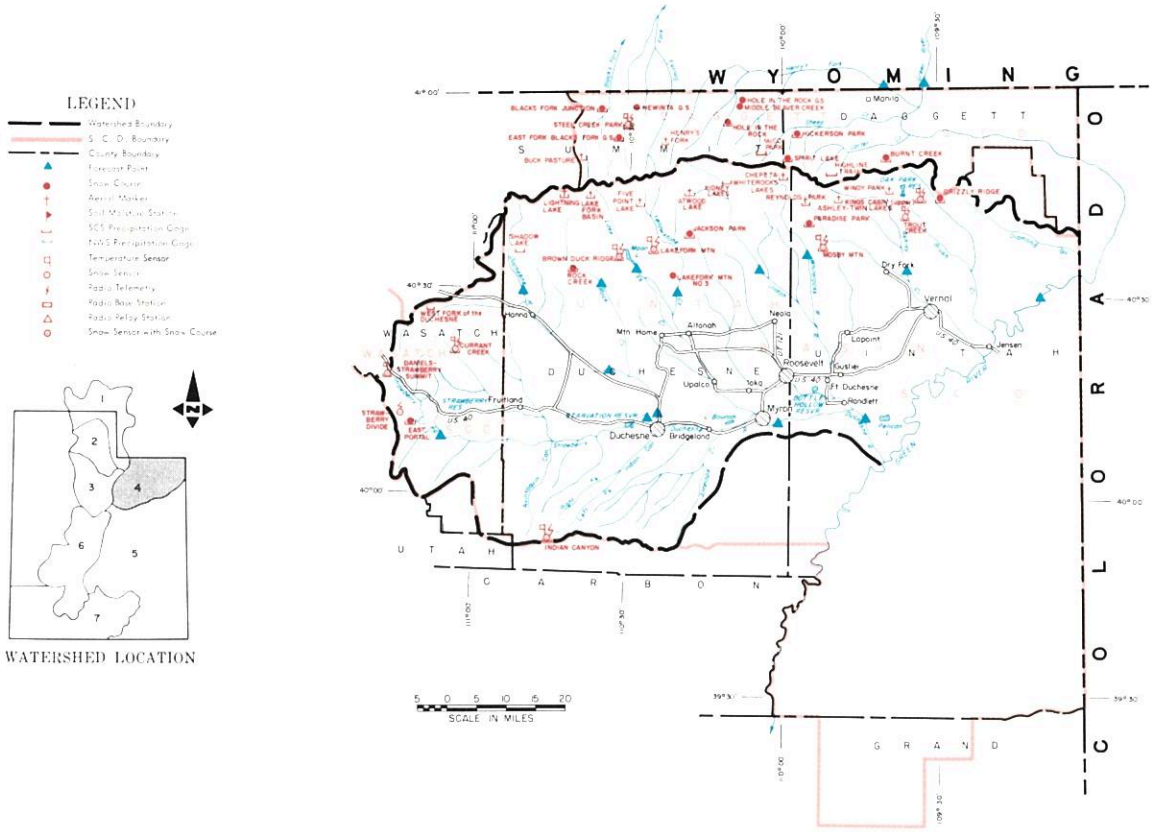
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 129% of the May 1 average on Blacks Fork to 187% on the Duchesne River. Lakefork-Yellowstone Creeks are 160%, Uintah-Whiterocks 163%, Ashley Creek 161% and Strawberry River 176% of average.

PRECIPITATION at mountain stations ranged from 73% of the April average at Currant Creek to 121% at Hewinta G. S. on the north slope of the Uinta Mountains. Most other stations were within 20% of average.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with Steinaker 27,200 acre feet and Moon Lake 33,200 acre feet.

STREAMFLOW FORECASTS for the May-July period now range from 122% of average on Blacks Fork to 190% for the Duchesne at Randlett. The Duchesne is forecast 141% at Tabiona, 139% at Duchesne and 185% at Myton. Currant Creek is forecast 135%, Rock Creek 127%, Lakefork 131%, Yellowstone 143%, Uintah 159%, Whiterocks 145%, Ashley 142% and Henrys Fork 149% of the May-July average.

All water users are expected to have above average water supplies this season. Peak flows are expected higher than average and provisions should be made to protect property close to stream channels.

USDA SCS PORTLAND, OR 1981 · M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	138	141	May-July	161	98
Duchesne at Duchesne 1/	250	139	May-July	254	180
Strawberry at Duchesne	76	159	May-July	79	48
Rock Creek nr Mtn. Home	116	127	May-July	107	91
Currant Creek nr Fruitland	22	135	May-July	27	16.5
Lakefork below Moon Lake 1/	91	131	May-July	77	69
Yellowstone nr Altonah	91	143	May-July	71	63
Duchesne at Myton 1/	357	185	May-July	262	193
Whiterocks nr Whiterock	84	145	May-July	60	58
Uintah nr Neola	134	159	May-July	85	85
Duchesne at Randlett 1/	424	190	May-July	319	223
West Fork Duchesne at Hanna	35	147	May-July	--	24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	73	149	May-Sept	36	49
Black's Fork at Millburne	110	122	May-July	94	89
Flaming Gorge Inflow 1/	1120	87	May-July	--	1292
Ashley Creek nr Vernal	70	142	May-July	49	50

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	12	131	187
LAKEFORK-YELLOWSTONE CREEKS	4	125	160
STRAWBERRY RIVER	5	106	176
UINTAH - WHITEROCKS RIVERS	3	130	163
ASHLEY CREEK	2	154	161
BLACK'S FORK	4	107	129

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
† - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
ASHLEY CREEK	Steinaker	33.3	27.2	25.5	23.7
GREEN RIVER	Flaming Gorge	3749.0	3248.6	2636.4	--
LAKE FORK	Moon Lake	35.8	33.2	17.7	19.0
STRAWBERRY	Starvation	165.3	117.5	123.9	--
UINTAH	Bottle Hollow	11.3	11.0	11.0	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Strawberry at Duchesne	940-1360	656
Ashley Creek nr Vernal	880-1380	1030
Rock Creek nr. Mtn. Home	1660-1970	1432

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	4/29	90	30.8	31.3	20.1a
Currant Creek	4/28	27	10.6	5.5	2.3b
Daniels-Strawberry	4/28	44	19.1	15.1	9.5
Hewinta G. S.	4/27	43	13.6	11.4	10.4
Hickerson Park	4/27	42	12.1	8.1	5.9b
Jackson Park	4/29	73	23.4	16.4	--
Kings Cabin Upper	4/29	44	13.5	11.9	10.3

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	4/29	59	15.9	14.7	11.9
Mosby Mountain	4/29	55	15.1	11.2	9.9
Paradise Park	4/29	73	24.6	20.8	14.3
Rock Creek Ranch	4/29	22	6.6	2.3	1.3b
Spirit Lake	4/27	63	23.3	18.3	15.5
Steel Creek Park	4/27	74	24.3	23.6	18.7
Strawberry Divide	4/29	58	23.9	22.2	--
Trout Creek	4/29	51	15.9	12.4	--

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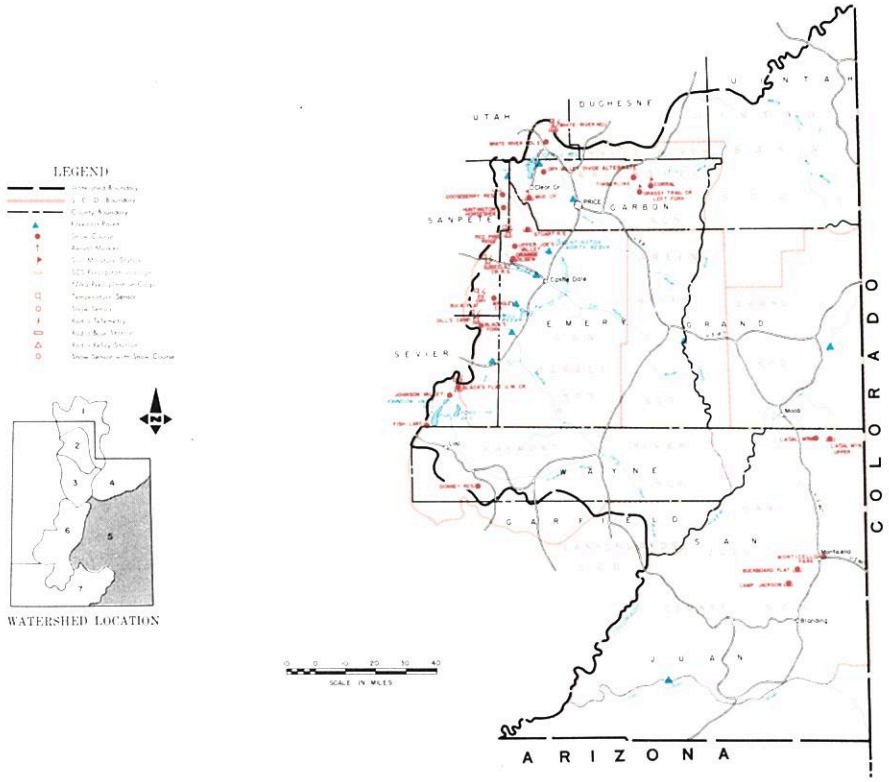
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS MUCH ABOVE AVERAGE

SNOW COVER melted slower than usual in April and now varies from 194% of the May 1 average on Price River to 310% on the Blue Mountains above Monticello and Blanding. The San Rafael watersheds are 209%, Fremont River 240% and Muddy River 196% of average. Several snow course water contents set a new May 1 record.

PRECIPITATION at mountain stations ranged from 49% of the April average at White River #1 on the Price River to 149% at Buckboard Flat on the Blue Mountains.

SOIL MOISTURE is above average and is not expected to absorb snow melt when the runoff occurs.

RESERVOIR STORAGE is near average. Reservoirs have released water to make room for snow melt runoff.

STREAMFLOW FORECASTS range from 111% for Green River near Green River to 221% for Ferron Creek. Other forecasts are: Gooseberry Creek 160%, Scofield Inflow 188%, Price near Heiner 202%, Huntington Creek 178%, Cottonwood Creek 191%, Muddy Creek 207%, Colorado River near Cisco 114%, Mill Creek near Moab 217%, San Juan River 123% and Seven Mile Creek near Fish Lake 143% of the May-July average.

Peak flows should be well above average on most streams and precautions should be taken to prevent property damage near stream channels.

USDA SCS PORTLAND OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR Forecast Thousand Acre Feet	THIS YEAR Forecast Percent of Average	THIS YEAR Forecast Period	PAST RECORD Thousand Acre Feet Last Year 3	PAST RECORD Thousand Acre Feet Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	15.0	160	May-July	--	9.4
Scofield Reservoir Inflow	59	188	May-July	--	31
Price nr Heiner 1/	105	202	May-July	--	52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	79	178	May-July	--	45b
Cottonwood Crk nr Orangeville	79	191	May-July	63	42b
Ferron Creek nr Ferron	71	221	May-July	47	32
MUDDY CREEK					
Muddy Creek nr Emery	32	207	May-July	25	15.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2715	114	May-July	--	2716
Green at Green River, UT	3300	111	May-July	--	2974
Mill Creek nr Moab	9.3	217	May-July	3.4	4.3b
Navajo Reservoir Inflow	615	126	May-July	--	608
San Juan nr Bluff, UT	875	123	May-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.2	143	May-July	6.9	5.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Average	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	122	194
SAN RAFAEL RIVER	6	142	209
FREMONT RIVER	3	179	240
LASAL MOUNTAINS	2	568	276
BLUE MOUNTAINS	2	1081	310
MUDDY RIVER	1	127	196

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
PRICE RIVER	Scofield	65.8	37.6	43.2	36.9
SAN RAFAEL	Huntington North	3.3	3.6	3.3	3.0b
	Joe's Valley	54.6	33.9	31.9	39.1b
	Mill Site	16.7	13.5	8.5	--
SAN JUAN	Navajo	1696.0	1316.8	1283.9	--
	Kens Lake	2.3	1.6	1.1	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (CFS) (CUBIC FEET) Forecast Range	PEAK FLOW (CFS) (CUBIC FEET) Average +
Ferron Creek near Ferron	840-1000	422
Muddy Creek near Emery	260-390	154
Huntington Cr. near Huntington	1100-1300	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Buck Flat	4/25	71	29.6	24.2	15.4
Buckboard Flat	4/29	50	19.2	2.1	7.1
Camp Jackson	4/29	52	20.8	1.6	5.8
Dills Camp	4/25	51	19.4	15.3	9.9a
Dry Valley Divide Alternate	4/27	30	14.0	8.2	--
Huntington-Horseshoe	4/25	106	45.0	28.0	--
Mammoth-Cottonwood R.S.	4/25	79	35.2	27.4	19.1
Lasal Mtn. Upper	4/30	78	29.2	8.2	12.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Monticello City Park	4/30	0	0.0	--	--
Mud Creek	4/25	45	17.7	15.2	7.9
Red Pine Ridge	4/25	65	27.2	20.2	14.8
Seeley Creek	4/25	76	31.0	19.6	17.2
White River #1	4/27	41	16.5	15.7	10.5
White River #3	4/27	8	3.5	0.0	1.0b

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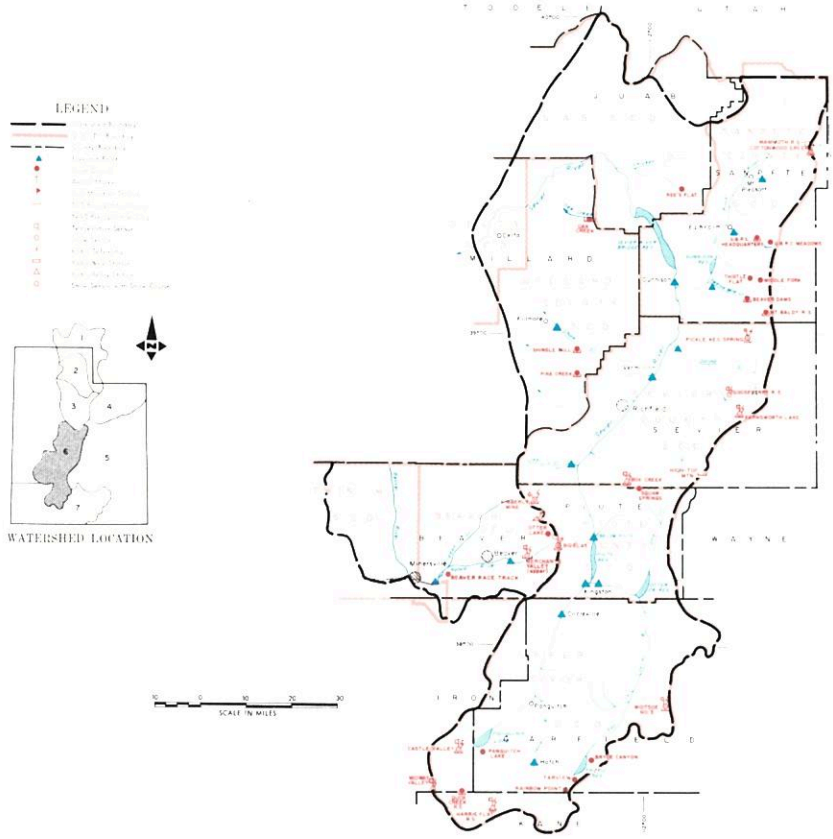
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER did not melt as much as usual in April and now ranges from 185% of the May 1 average on the Lower Sevier to 275% of average on the South Fork Sevier. The East Fork Sevier is 220% of average and Beaver River is 234%. Many snow courses on these watersheds have set new May 1 water content records.

PRECIPITATION at mountain stations ranged from 63% of the April average at Duck Creek R. S. to 140% at Box Creek above Koosharem.

SOIL MOISTURE is above average and is expected to soak up very little snow melt runoff.

RESERVOIR STORAGE is above average in all reservoirs except Otter Creek. All reservoirs have released water to make room for expected heavy runoff.

STREAMFLOW FORECASTS range from 194% of the May-July average for Salt Creek to 548% for Minersville Inflow. Most other forecasts are 2 to 3 times average and peak flows are expected to be much higher than usual. Precautions should be taken to protect property in the flood plains of all streams in the area. Other forecasts are: Sevier at Hatch 300%, Kingston 305%, Gunnison 289%, Salina Creek 226%, Chalk Creek 328%, Ephriam Creek 227%, Chicken Creek 304%, Oak Creek 263% and Beaver River 291%.

USDA SCS PORTLAND OR 1971 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Sevier at Hatch	105	300	May-July	--	35
Sevier nr Circleville	70	304	May-July	--	23
Sevier nr Kingston	53	305	May-July	--	16.9
Antimony Crk nr Antimony	15.0	263	May-July	--	5.7b
East Fork Sevier nr Kingston1/	28	269	May-July	--	10.5
Sevier below Piute Dam	80	296	May-July	--	27
Clear Crk nr Sevier (abv Div)	37	242	May-July	--	15.3
Sigurd to Gunnison	57	271	May-July	--	22
Kingston to Vermillion Dam	140	250	May-June	--	56
Vermillion Dam to Gunnison	155	442	Mar-June	--	35
Salina Creek at Salina	24	226	May-June	--	10.4
Sevier nr Gunnison	110	289	May-July	--	38
Chalk Creek nr Fillmore	43	328	May-July	--	13.1
Chicken Creek nr Levan	7.6	304	May-July	4.4	2.5
Oak Cr. nr Oak City	2.6	263	May-July	1.3	1.0b
Ephraim Creek nr Ephraim	30	227	May-July	--	13.2b
Pleasant Crk nr Mt. Pleasant	17.5	222	May-July	--	7.9b
Salt Creek nr. Nephi	19.4	194	May-July	--	10.0
Beaver nr Beaver	53	291	May-July	29	18.0
North Creek (Combined)	32	267	May-July	--	12.0b
Minersville Inflow	30	548	May-June	--	5.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	2	164	220
South Fork Sevier	6	237	275
LOWER SEVIER	11	165	185
BEAVER RIVER	3	166	234

1 - Observed flow corrected for change in storage and diversions
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b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SEVIER RIVER	Gunnison	18.2	17.1	18.2	14.9
	Otter Creek	52.5	34.5	54.2	39.5
	Piute	71.8	71.4	66.8	47.1
	Sevier Bridge	236.0	227.6	217.2	144.6
	Panguitch Lake	22.3	21.8	--	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	23.5	19.9	15.3

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (CFS) Forecast Range	PEAK FLOW (CFS) Average †
Sevier River at Hatch	900-1300	418
Beaver River nr Beaver	550-810	211
Sevier River nr Kingston	700-900	263
Clear Creek nr Sevier	350-450	170
Salina Creek nr Salina	700-900	235

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Big Flat	4/27	98	36.6	25.4	18.6
Bryce Canyon	4/26	17	6.2	0.0	--
Castle Valley	4/26	56	25.3	11.1	7.2
Duck Creek	4/26	63	27.3	12.0	7.8
Farnsworth Lake	4/26	77	31.3	22.6	22.2
Gooseberry R.S.	4/26	38	16.6	10.4	10.2
Harris Flat	4/26	29	11.3	0.0	2.1
Kimberly Mine	4/27	68	28.5	17.7	15.8

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	4/26	0	0.0	0.0	0.0
Merchants Valley Upper	4/27	51	20.7	7.3	5.9b
Midway Valley	4/26	112	47.2	23.4	21.5
Oak Creek	4/27	63	26.9	8.2	9.6b
Otter Lake	4/27	76	28.4	18.9	12.1
Pickle Keg Springs	4/25	65	26.1	17.2	15.1b
Pine Creek	4/27	76	34.8	12.6	13.6
Widtsoe-Escalante #3	4/26	53	21.4	12.2	9.0

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

MAY 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER now ranges from 199% of the May 1 average on Parowan Creek to 524% on Enterprise-New Harmony area. Coal Creek is 268% and Virgin River is 239% of the May 1 average. Many snow course measurements set new May 1 water content records.

PRECIPITATION at mountain stations ranged from 73% at Webster Flat to 166% at Little Grassy.

SOIL MOISTURE is above average and is not expected to soak up snow melt runoff.

RESERVOIR STORAGE is above average with most local reservoirs reported full.

STREAMFLOW FORECASTS range from 115% for Lake Powell Inflow to 444% for the Santa Clara River near Pine Valley. The Virgin River near Hurricane is forecast 375% and Coal Creek near Cedar City 246% of the May-July average.

Peak flows are expected to be much higher than usual this year and precautions should be taken to protect property near stream channels.

Excellent water supplies are expected for all water users this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	116	375	May-June	29	30
Santa Clara nr Pine Valley	12.0	444	May-June	--	3.3
COAL CREEK					
Coal Creek nr Cedar City	35	246	May-July	17.8	14.2
UPPER COLORADO					
Lake Powell Inflow	7000	115	May-July	--	6952

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	227	268
VIRGIN RIVER	2	198	239
PAROWAN CREEK	4	190	199
ENTERPRISE - NEW HARMONY	2	--	524
ESCALANTE RIVER	1	175	238

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RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
COLORADO	Lake Powell	25002.0	22782.0	19859.0	--
	Blue Mesa	829.5	434.6	237.7	--

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City	600-800	245
Virgin nr Virgin	1800-2800	631[b]

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	4/26	23	9.2	0.0	2.5[b]
Brian Head	4/26	84	34.4	23.8	20.8[b]
Harris Flat	4/26	29	11.3	0.0	2.1
Kolob-Crystal	4/26	102	46.0	21.4	22.5[a]
Little Grassy	4/26	0	0.0	0.0	0.2
Long Flat	4/26	29	13.1	0.0	2.3

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	4/26	0	0.0	0.0	0.0
SUSC Ranch	4/27	41	15.8	0.0	2.5[b]
Tall Poles	4/26	55	22.0	12.2	12.3[b]
Webster Flat	4/26	82	38.2	21.1	13.8
Yankee Reservoir	4/26	42	19.3	7.8	7.0

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	4/27	13	4.2	4.0	3.0	4/27	3.25	2.66[b]	12.82	14.66[b]	87
CCC Camp	4/26	38	11.8	13.0	10.4						
Hayden Fork	4/27	52	18.2	21.3	16.7	4/27	4.40	4.08[b]	26.02	24.14[b]	108
Monte Cristo R.S.	4/26	77	27.8	37.4	27.6	4/26	6.50	5.22	29.45	31.17	94
Salt River Summit	4/26	50	15.2	18.8	15.4	4/26	4.19	2.53	19.60	19.76	99
Stillwater Camp	4/27	37	11.0	12.3	10.2[b]	4/27	3.35	3.40	16.52	15.79	103
Lily Lake	4/27	53	16.6	20.0	--	4/27	4.19	--	19.27	--	
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	4/26	56	18.2	30.6	19.2[a]	4/26	5.18	--	19.06	--	
Cub River R.S.	4/26	0	0.0	0.6	0.0						
Emigrant Summit	4/28	74	30.2	35.3	24.9						
Franklin Basin	4/26	75	30.2	41.2	27.0[a]	5/1	7.20[a]	--	36.20[a]	--	
Garden City Summit	4/26	54	18.5	24.5	18.5	4/26	4.21	3.10	22.19	22.33	99
Klondike Narrows	4/26	49	20.2	28.4	16.8	4/26	4.27	3.75[b]	25.51	27.60[b]	92
Little Bear (lower)	4/26	17	3.3	4.9	2.1						
Little Bear (upper)	4/26	30	8.5	9.2	6.7	4/26	4.69	--	30.81	--	
Slug Creek Divide	4/27	43	15.6	21.2	17.0[e]						
Steep Hollow #1	4/26	108	42.4	56.9	40.8						
Steep Hollow #2	4/26	75	30.4	40.8	25.2						
Tony Grove Lake	4/26	93	35.4	54.5	37.6[a]	4/26	7.06[a]	--	36.64[a]	--	
Tony Grove R.S.	4/26	19	6.9	14.4	3.8	4/26	3.47	--	19.90	--	
Willow Flat	4/26	26	9.6	13.7	5.5[b]	4/26	5.56	4.62[b]	30.92	27.51	112
OGDEN RIVER											
Beaver Creek-Skunk Creek	4/26	30	10.1	11.8	7.1						
Ben Lomond Peak	4/26	126	52.1	51.2	37.2						
Ben Lomond Trail	4/26	48	17.3	17.1	7.7[b]	4/26	4.57	5.38[b]	50.28	34.12[b]	147
Causey Dam				0.0	--	4/26	2.58	2.42[b]	15.61	16.64	94
Dry Bread Pond	4/26	56	20.4	27.1	19.0	4/26	4.60[a]	4.20[b]	22.00[a]	25.28	87
Sagebrush Flat	4/26	3	0.8	0.0	0.0	4/26	2.00	2.48[b]	13.66	16.83	
WEBER RIVER											
East Shingle Lake (A)					--						
Beaver Creek R.S.	4/29	10	3.8	4.0	1.3						
Chalk Creek #1	4/27	79	29.0	34.3	25.4	4/27	4.95[a]	--	29.85[a]	--	
Chalk Creek #2	4/27	50	17.2	20.9	15.3	4/27	4.88[a]	--	20.93[a]	--	
Chalk Creek #3	4/27	20	6.4	6.7	3.5	4/27	3.35	3.45[b]	17.48	17.39[b]	101
Farmington Canyon (lower)	4/26	87	35.5	29.3	22.5[b]	4/26	4.50	6.29[b]		33.92	
Farmington Canyon (upper)	4/26	117	47.1	41.5	33.3[b]	4/26	5.00[a]	--	45.43[a]	--	
Farmington G.S.	4/26	85	34.8[a]	30.8[a]	--	4/26	4.68	6.16[b]		33.24[b]	
Hardscrabble	4/26	59	24.0	20.0	--						
Horse Ridge	4/26	62	23.1	31.6	20.8[b]	4/26	5.06	4.74[b]	28.27	28.38	100
Kilfoil Creek	4/26	42	13.6	19.2	10.3[b]						
Lost Creek Reservoir	4/26	0	0.0	0.0	0.0[b]	4/26	2.06	--	11.43	--	
Park City Summit				37.3	--						
Parley's Canyon Summit	4/27	62	23.2	17.8	14.6	4/27	4.78	5.03	29.27	27.58	106
Pine Canyon	4/26	55	20.8	20.6	--						
Redden Mine (lower)	4/27	59	22.3	24.6	18.3	4/27	3.31	--	24.14	--	
Smith & Morehouse	4/27	37	13.5	14.0	10.0	4/27	2.71	4.26	20.48	22.01	93
Sargeant Lake (A)				9.8	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	4/29	32	10.9	11.1	8.7[a]	4/29	3.31[a]	--	23.98[a]	--	
Camp Altamont	4/30	51	21.5	11.7	7.7						
Clear Creek Ridge #1	4/27	56	24.1	23.1	17.7	4/27	1.82[a]	2.60[a]	25.62[a]	29.80[a]	86
Clear Creek Ridge #2	4/27	40	15.9	15.5	10.5	4/27	2.32	3.31[b]	22.52	19.37[b]	116
Clear Creek Ridge #3	4/27	0	0.0	0.0	0.1						
Dutchman R.S.	4/30	64	24.7	18.1	9.8	4/30	4.00	4.17[b]	33.80	24.99	135
Hobble Creek Summit	4/28	41	18.2	11.8	7.7	4/28		3.20		20.39	
Payson R.S.	4/27	66	30.4	21.4	15.8	4/27	2.57	3.58	24.04	21.53	112
Soapstone R.S.	4/29	28	10.0	13.2	7.9	4/29	3.12	3.57	20.75	19.79	105
South Fork R.S.	4/30	12	5.6	0.0	--						
Timpanogos Cave Camp	4/30	0	0.0	0.0	--						
Timpanogos Divide	4/30	84	35.9	36.6	22.0	4/30	3.85	4.30	37.75	29.39	128
Trial Lake	4/29	88	31.4	39.1	26.1	4/29	4.81	4.89	32.56	28.73	113

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 D

+ 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon #2	4/27	54	20.4	15.5	--	4/27	3.94	--	22.41	--	--
Middle Canyon	5/1	53	23.0	6.0	10.4	5/1	5.20	4.28[b]		20.20	
Mill Creek	4/28	71	27.4	27.4	--						
Mill D South Fork	4/28	63	26.0	23.6	16.2						
Mt. Dell Dam											
Rock Basin-Settlement	4/28	121	52.2	29.8	30.2	4/28	5.20[a]	5.36[b]	41.97[a]	29.27	143
Silver Lake (Brighton)	4/28	89	36.2	41.7	27.6						
Snow Bird (Gad Valley)											
Vernon Creek	4/28		21.5[a]	3.1	4.0[b]			2.58[b]		17.85	
Deseret Peak	4/28	109	44.2	38.5	--						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)				21.0	16.4[b]						
Black's Fork G.S.-East Fork	4/27	41	12.3	12.7	9.9	4/27	4.02	3.35	16.54	15.29	108
Black's Fork Junction	4/27	37	11.5	10.0	8.7	4/27	3.53	3.08		14.70	
Buck Pasture (A)				20.4	--						
Burnt Creek	4/29	15	6.5[a]	0.9	3.4[b]	4/29	2.60	3.06[b]	13.40	12.07[b]	111
Grizzly Ridge	4/29	45	19.2	9.4	10.0[b]	4/29	2.40	3.25[b]	21.40	16.69[b]	128
Hewinta G.S.	4/27	43	13.6	11.4	10.4	4/27	4.34	3.59	18.24	16.15	113
Hickerson Park	4/27	42	12.1	8.1	5.9[b]			3.56[b]		12.97	
King's Cabin (upper)	4/29	44	13.5	11.9	10.3	4/29	2.26	2.95	17.63	14.58	121
Reynolds Park (A)											
Spirit Lake	4/27	63	23.3	18.3	15.5	4/27	4.43	4.94[b]	22.48	18.55	121
Steel Creek Park	4/27	74	24.3	23.6	18.7	4/27	2.56			16.63	
Trout Creek	4/29	51	15.9	12.4	--	4/29	2.74	--	19.91	--	--
Henrys Fork (A)				15.0	--						
DUCHESNE RIVER											
Atwood Lake (A)					--						
Brown Duck Ridge	4/29	90	30.8	31.3	20.2[a]	4/29	4.04		23.67		
Chepeta	4/29	67	22.6	18.8	--						
Currant Creek	4/28	27	10.6	5.5	2.3[b]	4/28	1.77	2.41[b]	18.15	16.20	112
Daniels-Strawberry Summit	4/28	44	19.1	15.1	9.5	4/28	3.01	3.28	24.39	21.09	116
East Portal	4/29	40	15.0	10.5	4.4[b]	4/29	2.90		23.05		
Five Points Lake (A)					--						
Indian Canyon	4/27	53	19.7	12.0	10.9	4/27	2.92	2.68	21.63	15.46	140
Jackson Park	4/29	73	23.4	16.4	14.4[a]	4/29	3.98		21.93		
Lakefork Basin (A)					--						
Lakefork Mountain #1	4/29	59	15.9	14.7	11.9	4/29	3.22	3.08	19.24	15.70	122
Lakefork Mountain #3	4/29	22	7.6	0.0	2.1						
Lightning Lake (A)					--						
Mosby Mountain	4/29	55	15.1	11.2	9.9	4/29	3.69	3.18[b]	21.58	15.18	142
Paradise Park	4/29	73	24.6	20.8	14.3	4/29	3.35	3.91		16.96	
Rock Creek Ranch	4/29	22	6.6	2.3	1.3[b]	4/29	1.91	2.27	17.17	13.20	130
Strawberry Divide	4/29	58	23.9	22.2	12.2[a]						
PRICE RIVER											
Dry Valley Divide Alternate	4/27	30	14.0								
Mud Creek	4/25	45	17.7	15.2	7.9	4/25	1.54	2.96		17.21	
White River #1	4/27	41	16.5	15.7	10.5	4/27	1.39	2.84	19.35	16.06	120
White River #3	4/27	8	3.5	0.0	1.0[b]						
SAN RAFAEL RIVER											
Buck Flat	4/25	71	29.6	24.2	15.4	4/25	2.99	3.24	27.03	20.45	132
Huntington-Horseshoe	4/25	106	45.0	28.0	--						
Orange Olsen	4/25	0	0.0	0.0	--	4/25	0.80	1.13[b]	13.08	8.53	153
Red Pine Ridge	4/25	65	27.2	20.2	14.8	4/25	2.58	3.60	26.76[a]	23.39	114
Seeley Creek R.S.	4/25	76	31.0	19.6	17.2						
Stuart R.S.	4/25	28	11.0	6.4	1.8	4/25	1.59	2.15	15.52	13.77	113
Upper Joe's Valley	4/25	39	14.9	10.0	5.7						
Wrigley Creek	4/25	49	17.7	12.0	8.1						
MUDDY RIVER											
Black's Fork	4/25	57	23.0	16.8	--						
Dill's Camp	4/25	51	19.4	15.3	9.9[a]	4/25	2.76	--	23.34	--	

† 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	4/26	43	16.9	11.8	8.8	4/26	2.64	2.65	16.12	14.75	109
Fish Lake	4/26	40	15.8	7.0	5.4	4/26	1.93	2.16	13.53	11.34	119
Johnson Valley	4/26	31	11.9	6.1	4.4						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	4/29	50	19.2	2.1	7.1	4/29	4.10	2.75	27.35	20.89	131
Camp Jackson	4/29	52	20.8	1.6	5.8	4/29	2.35	2.42	29.55	19.20	154
LaSal Mountain (lower)	4/30	48	17.4	0.0	4.3						
LaSal Mountain (upper)	4/30	78	29.2	8.2	12.6	4/30	4.20	2.99	30.25	17.17	176
Monticello City Park	4/30	0	0.0								
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	4/26	59	24.0	15.2	12.1	4/26	4.20	2.99	24.23	16.88	144
Bryce Canyon	4/26	17	6.2	0.0	--						
Castle Valley	4/26	56	25.3	11.1	7.2	4/26	2.19	3.24	27.07	17.13	158
Duck Creek R.S.	4/26	63	27.3	12.0	7.8	4/26	1.97	3.11	36.25	19.64	185
Harris Flat	4/26	29	11.3	0.0	2.1	5/1	1.70[a]		19.80[a]		
Kimberly Mine	4/27	68	28.5	17.7	15.8	4/27	4.59	4.44[b]	31.58	22.61	140
Midway Valley	4/26	112	47.2	23.4	21.5	4/26	6.00[a]		49.10[a]		
Panguitch Lake	4/26	29	12.4	0.0	0.8	4/26	1.39	1.50	16.70	9.39	178
Squaw Springs	4/26	36	12.8	7.2	4.6						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	4/25	38	16.6	7.2	7.4	4/25	3.22	3.27	24.50	16.34	150
Farnsworth Lake	4/26	77	31.3	22.6	22.2	4/26	4.16	4.69	28.73	24.25	118
G.B.R.C. Headquarters	4/25	69	28.1	17.1	16.1	4/25	3.40	4.26	29.40	22.55	130
G.B.R.C. Majors								2.15[b]		10.66	
G.B.R.C. Meadows	4/25	99	40.4	31.7	25.1	4/25	4.17	5.17	32.74	26.84	122
G.B.R.C. Oaks								3.01		14.88	
Gooseberry R.S.	4/26	38	16.6	10.4	10.2	4/26	3.04	3.61	20.84	16.52[b]	126
Mammoth-Cottonwood Creek	4/25	79	35.2	27.4	19.1	5/25	1.90[a]		24.55[a]		
Mt. Baldy R.S.	4/25	105	41.0	31.3	24.2	4/25	6.98	3.93	29.23	20.83	140
Oak Creek	4/27	63	26.9	8.2	9.6[b]	4/27	3.60	3.83[b]	25.61	19.79[b]	129
Pickle Keg Springs	4/25	65	26.1	17.2	15.1[b]	5/1	3.60[a]		32.04[a]		
Pine Creek	4/27	76	34.8	12.6	13.6	4/27	5.76	5.88	36.09	29.35	123
Ree's Flat	4/27	53	23.5	14.0	--	4/27	2.00		26.28		
Shingle Mill	4/28	25	9.6	0.0	3.2[b]	4/28	3.30	3.87[b]	26.06	19.55	133
Gooseberry Reservoir						4/25	2.48	3.60	29.63	21.71	136
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track											
Big Flat	4/27	98	36.6	25.4	18.6	4/27	3.36	3.47	28.62	19.00	151
Merchant's Valley (upper)	4/27	51	20.7	7.3	5.9[b]	4/27	3.74	2.96[b]	27.53	17.21	160
Otter Lake	4/27	76	28.4	18.9	12.1						
PAROWAN CREEK											
Birch Crossing	4/26	23	9.2	0.0	2.5[b]						
Brian Head	4/26	84	34.4	23.8	20.8[b]						
Tall Poles	4/26	55	22.0	13.2	12.3[b]	4/26	3.60	3.48[b]	24.55	18.37[b]	134
Yankee Reservoir	4/26	42	19.3	7.8	7.0	4/26	2.90	3.01	20.26	15.14	134
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	4/26	0	0.0	0.0	0.2	4/26	2.98	1.80	28.08	16.29	172
Long Flat	4/26	29	13.1	0.0	2.3	4/26	2.40	2.27	23.64[a]	13.90	170
COAL CREEK											
Cedar City Golf Course	4/26	0	0.0	0.0	--						
SUSC Ranch	4/27	41	15.8	0.0	2.5[b]						

+ 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average +
ESCALANTE RIVER					
Widtsoe-Escalante #3	4/26	53	21.4	12.2	9.0
VIRGIN RIVER					
Kolob-Crystal	4/26	102	46.0	21.4	22.5[a]
Long Valley Junction	4/26	0	0.0	0.0	--
Webster Flat	4/26	82	38.2	21.1	13.8

PRECIPITATION (Inches)

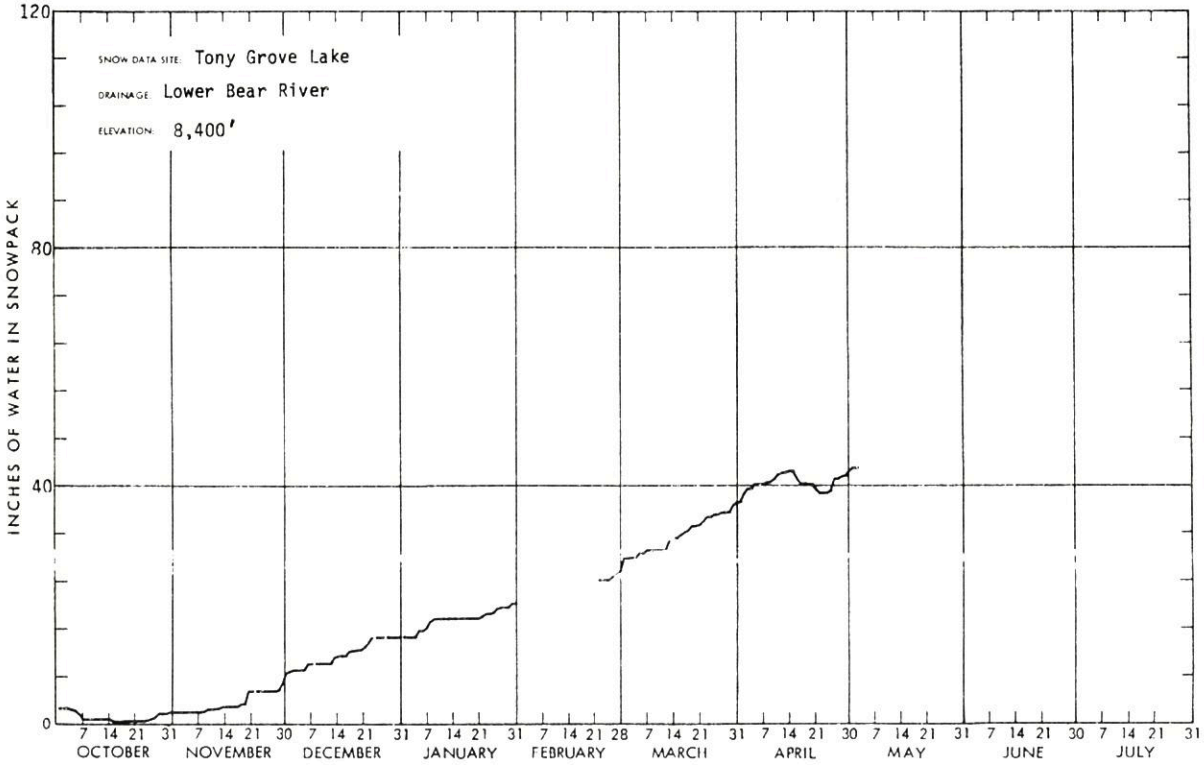
	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
ESCALANTE RIVER						
Widtsoe-Escalante #3	4/26	0.98	3.14	20.22	15.21	133
VIRGIN RIVER						
Webster Flat	4/26	2.78	3.81	41.98[a]	23.08	182

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 0

+ 1958-1972 period.

WSFB-K13A



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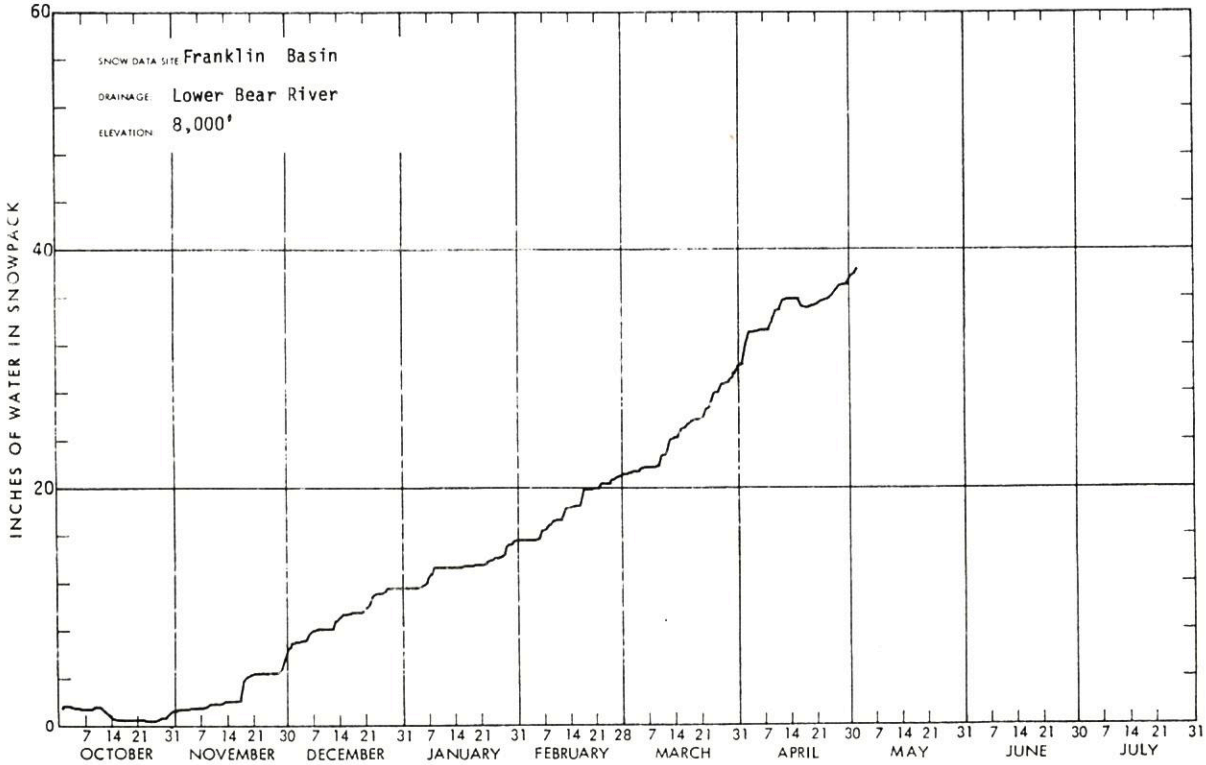
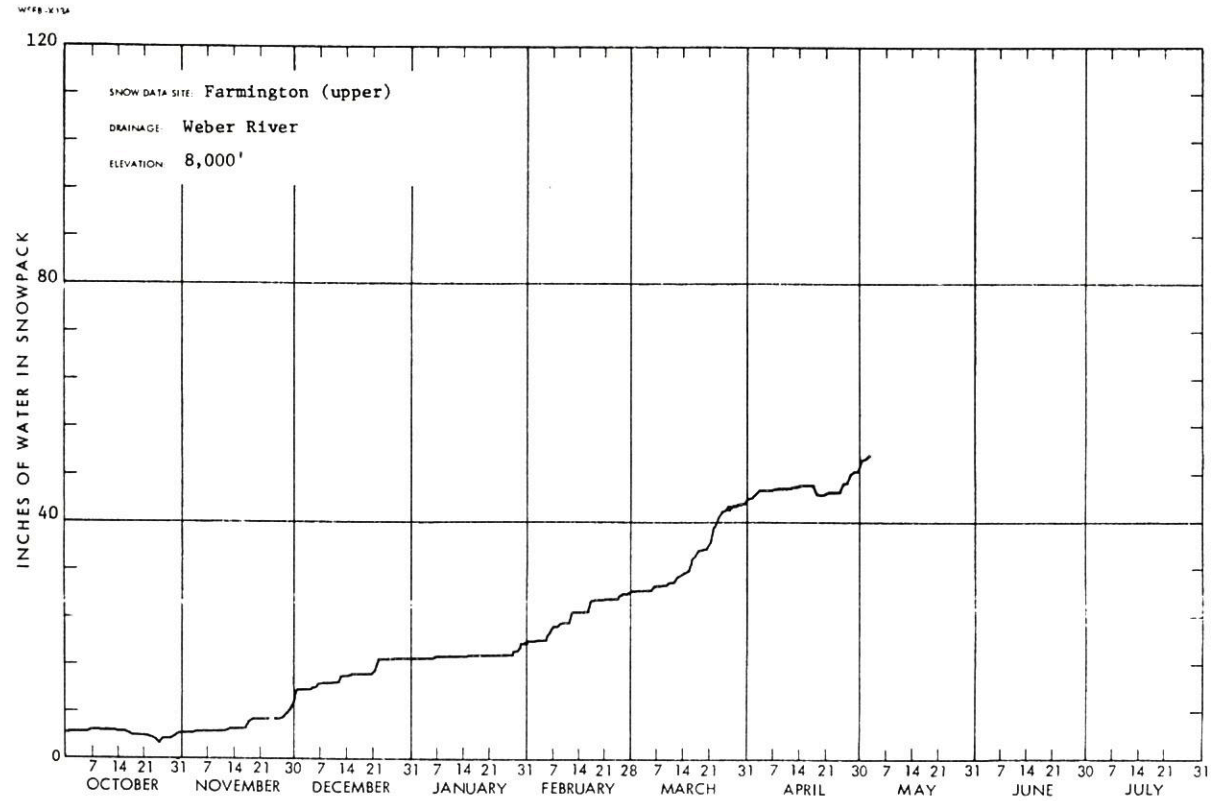
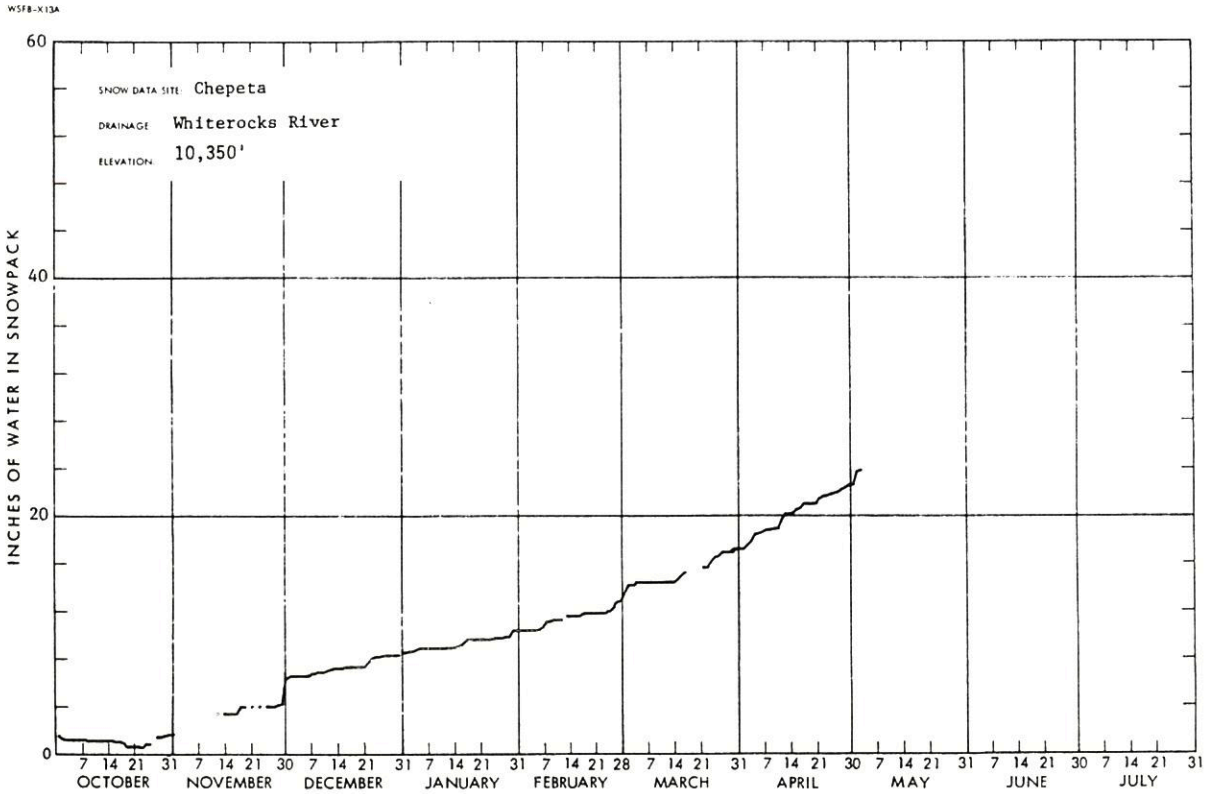
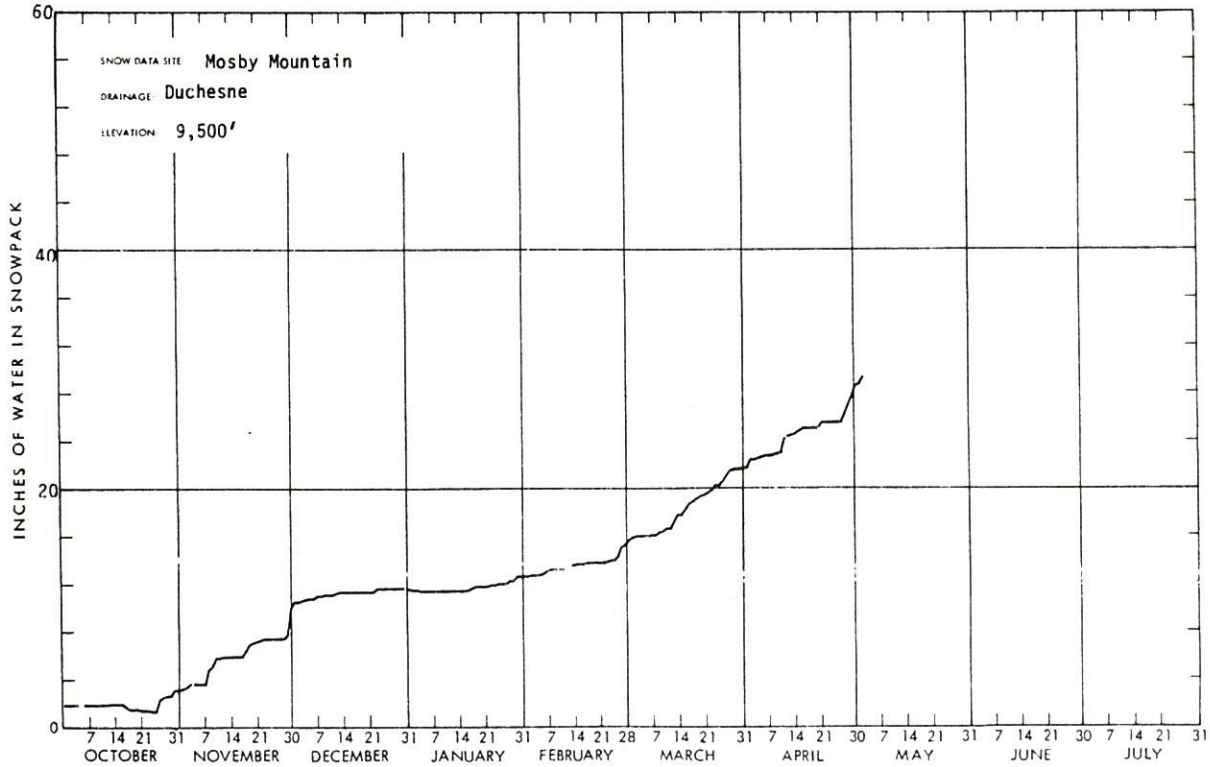



WSFB-X13A
SNOW DATA SITE: Farmington (upper)
DRAINAGE: Weber River
ELEVATION: 8,000'
INCHES OF WATER IN SNOWPACK
120
80
40
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


WSFB-X13A
SNOW DATA SITE: Chepeta
DRAINAGE: Whiterocks River
ELEVATION: 10,350'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13A



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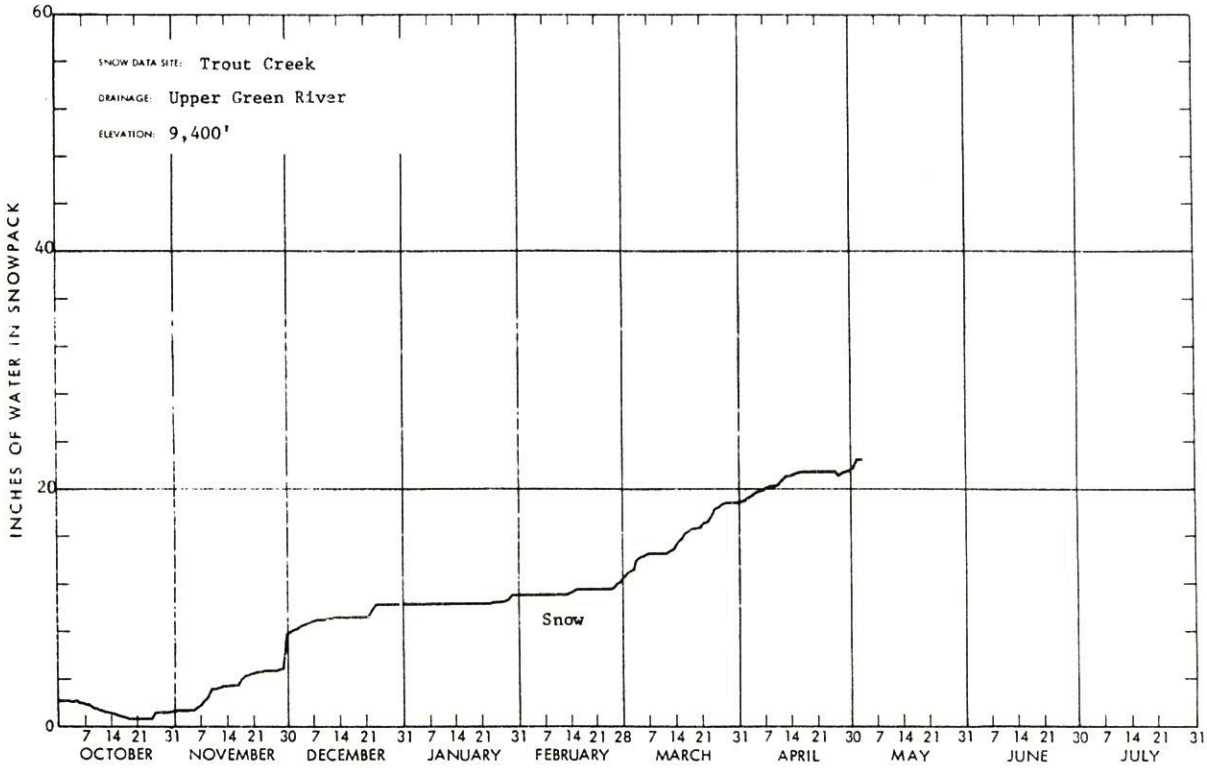

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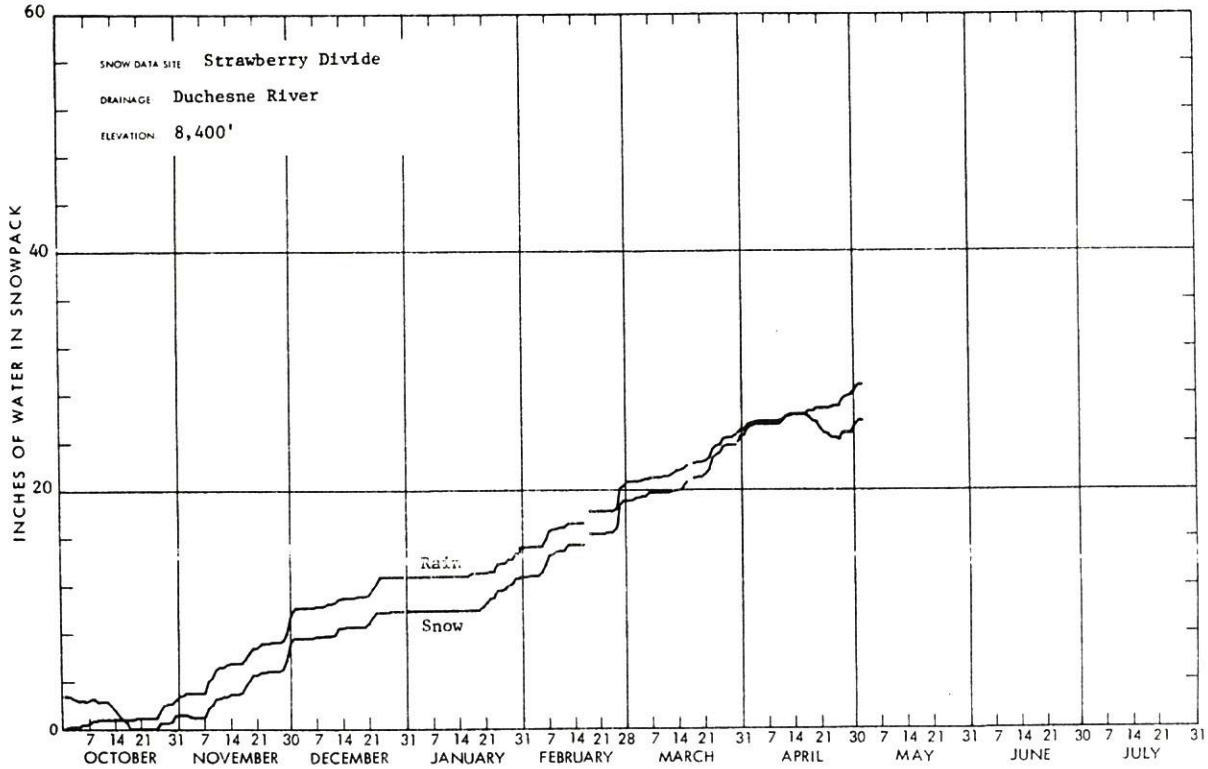

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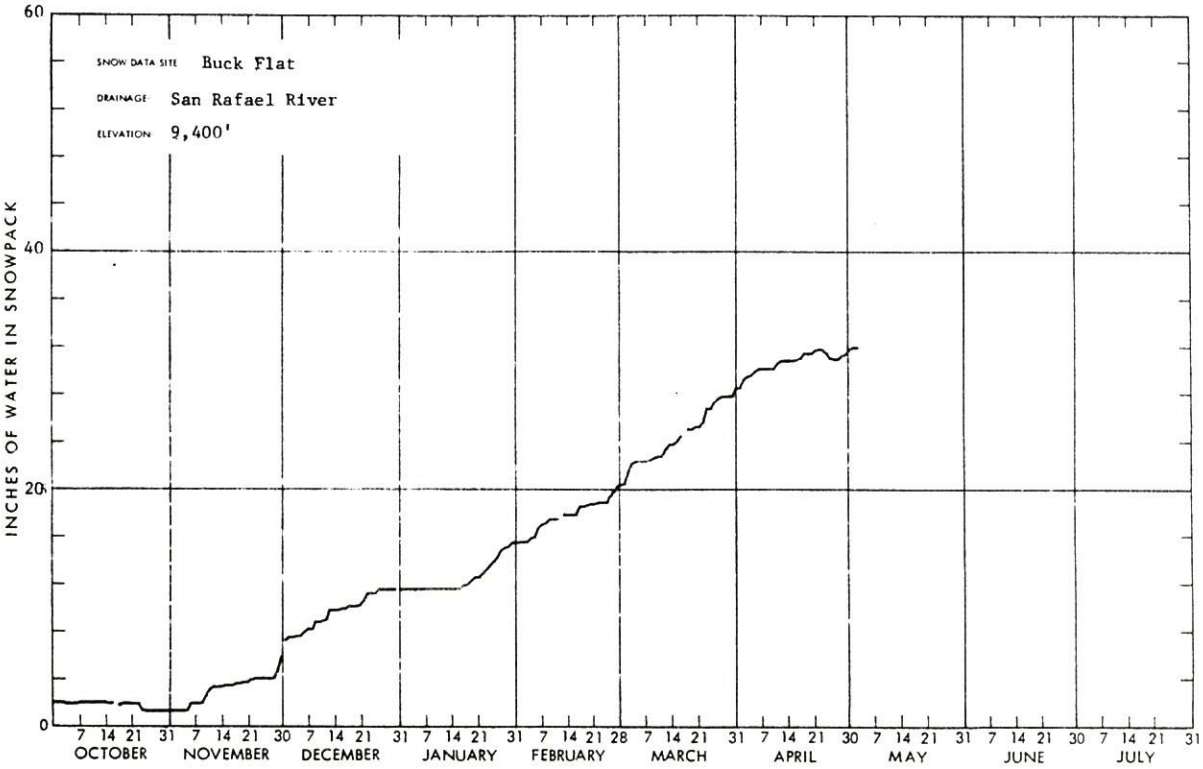
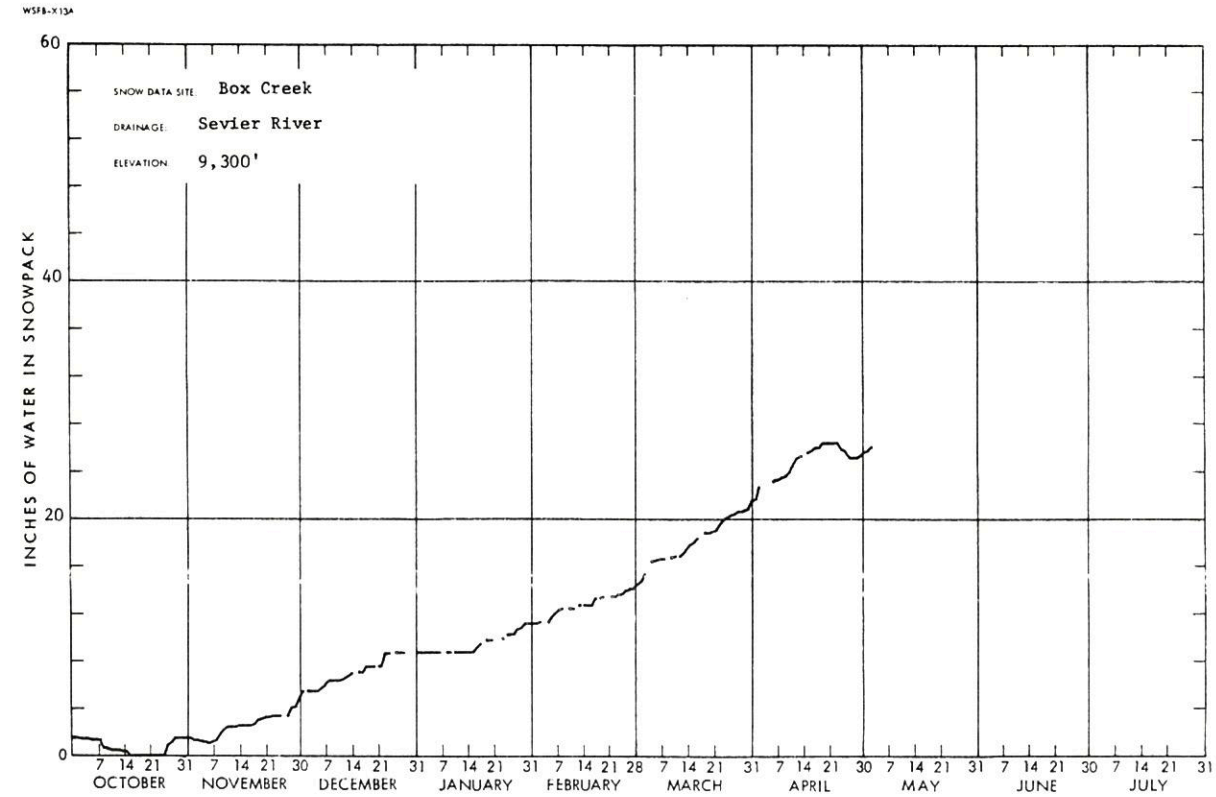
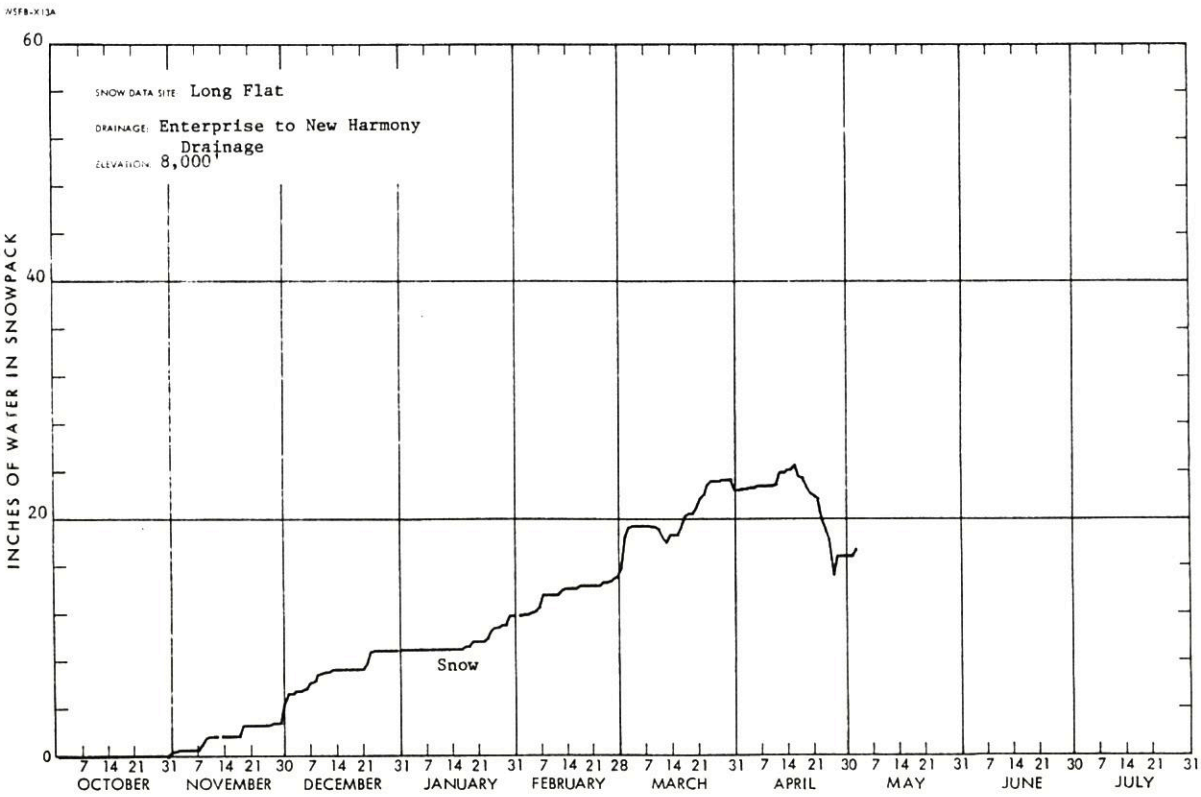
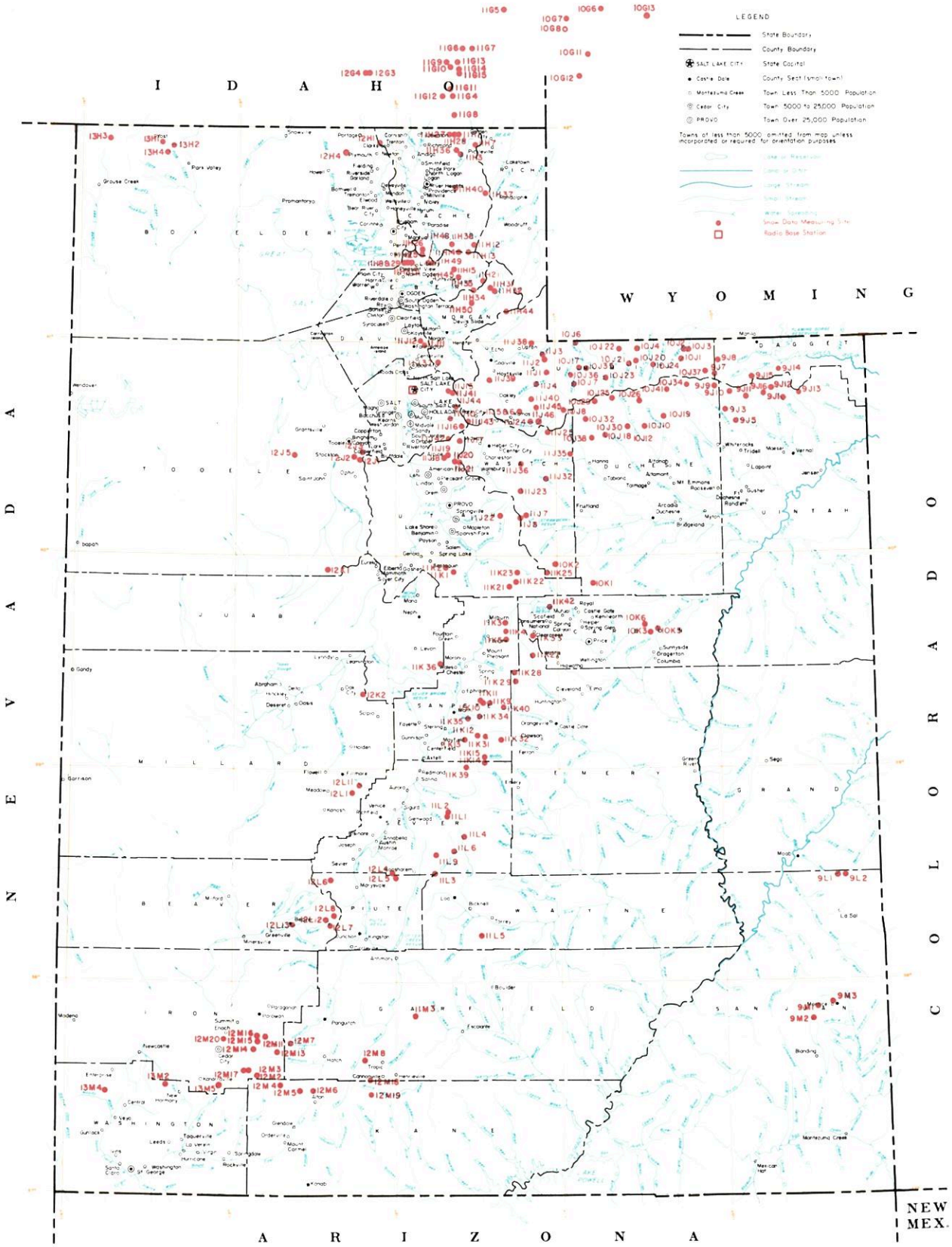



WSFB-X13A
SNOW DATA SITE: Box Creek
DRAINAGE: Sevier River
ELEVATION: 9,300'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


WSFB-X13A
SNOW DATA SITE: Long Flat
DRAINAGE: Enterprise to New Harmony Drainage
ELEVATION: 8,000'
INCHES OF WATER IN SNOWPACK
60
40
20
0
Snow
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1981

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

USDA-SCS-PORTLAND OR 1980 M7-01-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,650
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site

United States
Department of
Agriculture

**Soil
Conservation
Service**

**Salt Lake City
Utah**

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

June 1, 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTION, 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

DEE C. HANSEN
State Engineer
Division of Water Rights

DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by Snow Survey Staff

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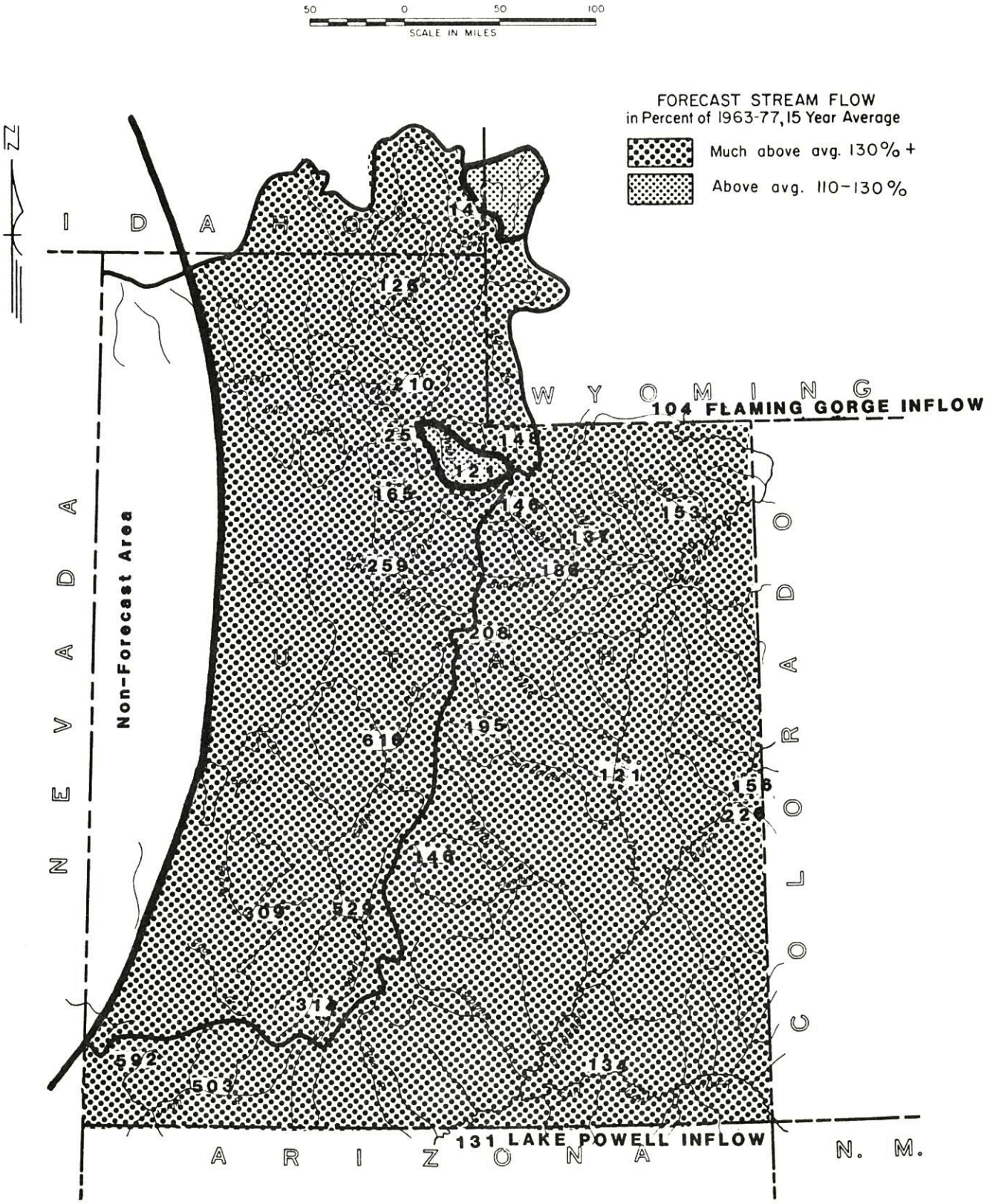
P.O. Box 11350
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

June 1, 1983

Approximate Date



USDA-SCS-PORTLAND, OREG 1970 M-2853

As Of June 1, 1983

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's 1983 water supply outlook ranges from above     *
* average to well above average.  Many areas of the state *
* have so much water that farming is impossible.  Snow   *
* melt has been delayed at least a month causing snow    *
* cover percentages to range from 2 1/2 to about 80 times *
* average.  Soils are much wetter than average causing   *
* mud slides and reservoirs are above average and in most *
* cases spilling.  Streamflow for the May through July   *
* period is forecast to be the highest of record on many *
* streams.  Utah's water users are expected to have too  *
* much water in many areas of the state this year.       *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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SNOW COVER

Snow water content continued to increase until about the middle of May this year delaying the start of snow melt at least a month. Snow cover June 1st ranged from 238% of average on the Lower Bear and Logan Rivers to 7,900% on the Blue Mountains in southeastern Utah. Other watersheds are as follows: Ogden River 423%, Weber River 518%, Provo-Utah Lake 528%, Salt Lake Front Streams 375%, Duchesne River 375%, Ashley Creek 480%, Lower Sevier 576%, Upper Sevier 1,144%, Beaver River 600%, Coal Creek 786%, Virgin River 653%, Fremont River 2,100%, Price River 5,100% and LaSal Mountains 2,119%. These large percentages reflect the late melt since many snow course averages for June 1st are less than 1 inch of water and this year have 10 to 20 inches of water left to melt.

PRECIPITATION

Precipitation at mountain stations ranged from about 77% of average above Blanding to 333% at Tony Grove R.S. above Logan. Several sites at higher elevations on the San Pitch were above 300% for the month of May.

SOIL MOISTURE

Mountain soils have been wetter than usual all winter and spring. Snow melt has added more water to many steep unstable areas causing mud slides over much of the state.

RESERVOIR STORAGE

Storage in 16 of Utah's key irrigation reservoirs is now 103% of average and 92% of total capacity. Many reservoirs have been releasing water all spring to make room for peak runoff. Utah Lake is now 3.8 feet above compromise and Great Salt Lake is 4204.30 feet above mean sea level.

STREAMFLOW FORECASTS

Streamflow forecasts have again been increased dramatically in many cases and now range from 104% on the Smiths Fork to 686% for the Inflow Vermillion Dam to Gunnison on the Lower Sevier. Some observed streamflow for the month of May exceeded the May forecast for the total May-June period.

Other forecasts are as follows: Bear River at Utah-Wyoming Line 148%, at Harer, Idaho 144%, Logan River 126%, Pineview Inflow 211%, Weber River at Oakley 121%, at Gateway 149%, Provo at Deer Creek Dam 173%, Utah Lake Inflow 259% and Big Cottonwood Creek 165%. Great Salt Lake is forecast to rise to 4204.5 to 4204.8 feet above mean sea level.

The Duchesne is forecast 143% at Duchesne and 216% at Randlett. Ashley Creek is forecast 153%, Uintah 172%, Lakefork 137% and Rock Creek 139% of the May-July average. Price River is forecast 269%, Huntington 197%, Cottonwood 195%, Ferron 244%, Muddy 222% and Seven Mile Creek 146%.

Sevier River forecasts range from 314% at Hatch to 618% at Gunnison for the May-July period. Salina Creek is forecast 433%, Chicken Creek 354%, Oak Creek 293%, Chalk Creek 422%, Pleasant Creek 418% and Salt Creek 244% of average.

Beaver River is forecast 309% at Beaver and 590% for Minersville Inflow. Coal Creek is forecast 352%, Virgin River 503% at Hurricane and Santa Clara 592% of average for the May-June period.

Flooding has already occurred on most streams and streamflow is expected to stay high much later than usual this summer causing inundated fields and wet soils late into June and possibly early July. This year the problem of too much water is likely along many of Utah's stream channels.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	1273.5	1153.1	1134.2
	Woodruff Narrows	57.3	60.6	57.3	26.5
	Woodruff Creek	4.0	3.6	4.0	---
Beaver River	Minersville (RkyFd)	23.3	23.3	16.3	23.3
Little Bear	Hyrum	15.3	11.6	15.3	15.3
	Porcupine	11.3	12.9	11.3	11.3
Ogden	Causey	6.9	7.1	7.0	6.9
	Pineview	110.1	106.4	109.9	110.1
Provo	Deer Creek	149.7	140.6	146.2	142.7
Settlement Creek	Settlement Creek	1.2	1.2	1.0	---
	Vernon Creek	0.6	0.6	0.6	---
Sevier River	Gunnison	18.2	18.2	18.2	18.2
	Otter Creek	52.5	52.7	52.7	52.5
	Piute	71.8	71.8	69.3	71.8
	Sevier Bridge	236.0	236.1	195.6	---
	Panguitch Lake	22.3	23.0e	22.3	---
Spanish Fork	Strawberry	270.0	294.9	253.5	---
Utah Lake	Utah Lake	883.9	1269.6	1024.1	---
Weber	East Canyon	48.1	49.7	48.9	48.1
	Echo	73.9	73.4	66.9	72.0
	Lost Creek	20.0	21.3	20.4	20.0
	Rockport	60.9	53.2	46.2	61.8
	Willard Bay	193.3	167.5	175.0	193.3
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	29.0	33.3	---
	Red Fleet	26.0	23.9	---	---
Colorado	Blue Mesa	829.5	562.0	394.9	450.0
	Lake Powell	25002.0	24216.0	21127.0	19600.0
Green	Flaming Gorge	3749.0	3416.0	2723.0	2566.0
Lakefork	Moon Lake	35.8	32.1	16.8	---
Price River	Scofield	65.8	52.4	66.3	---
San Juan	Navajo	1696.0	1444.0	1397.9	1400.0
	Ken's Lake	2.3	2.2	1.7	---
San Rafael	Huntington North	3.9	3.9e	3.3	---
	Joe's Valley	54.6	45.4	39.3	---
	Mill Site	16.7	17.0e	14.7	---
Strawberry	Currant Creek	---	4.0	---	---
	Starvation	165.3	165.9	164.4	---
	Soldier Creek	951.4	90.5	---	---
Uintah	Bottle Hollow	11.3	11.1	10.9	---

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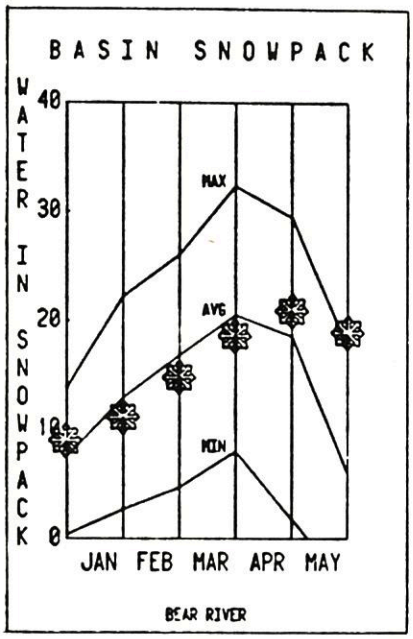
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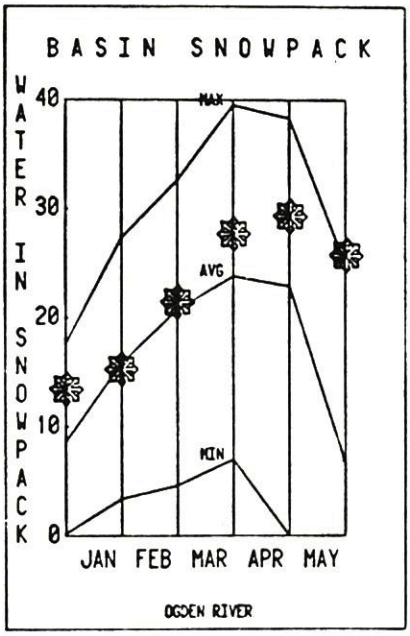
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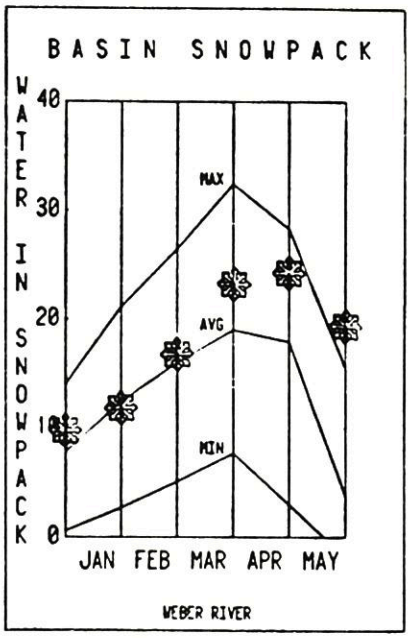
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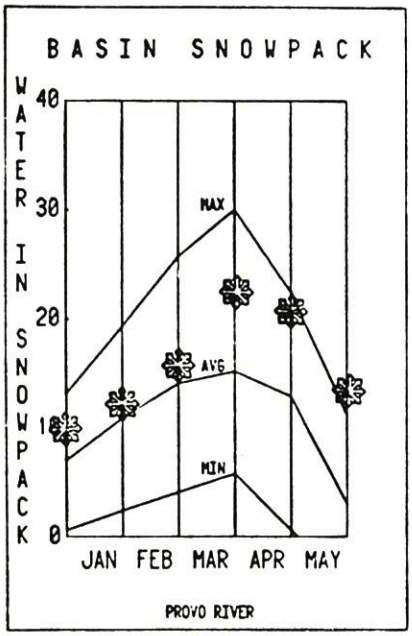
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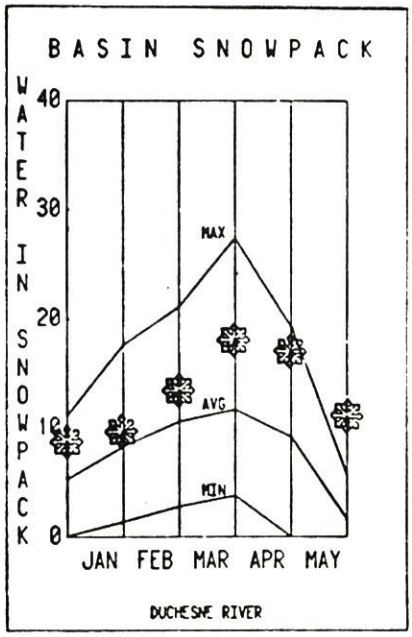
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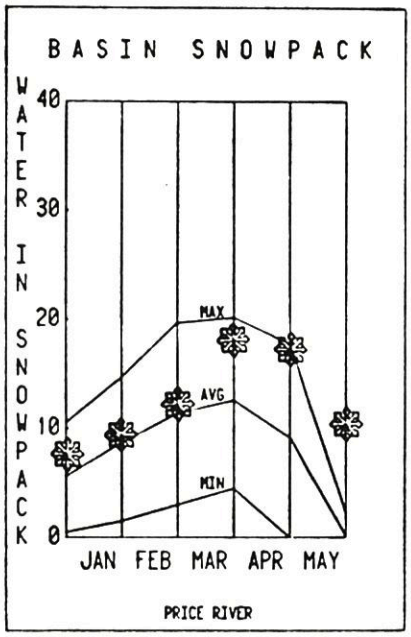
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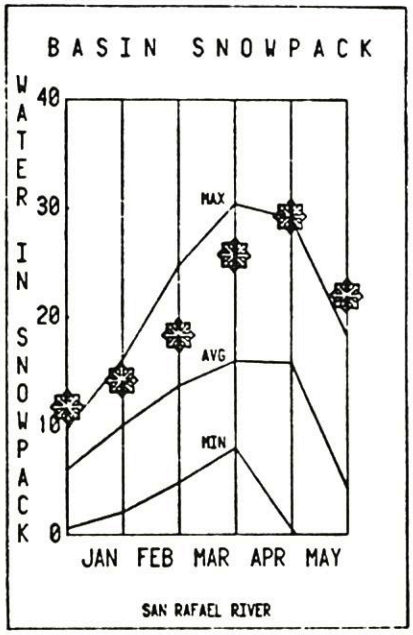
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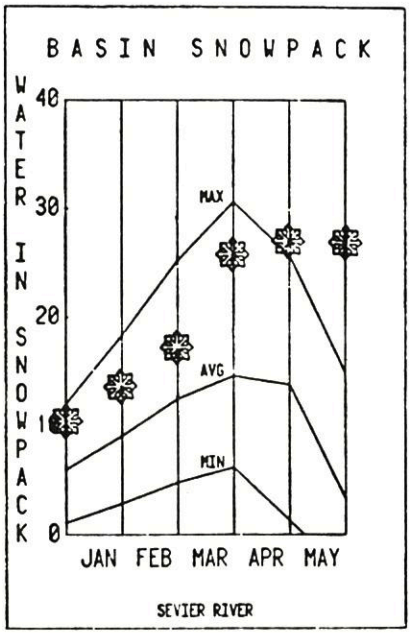
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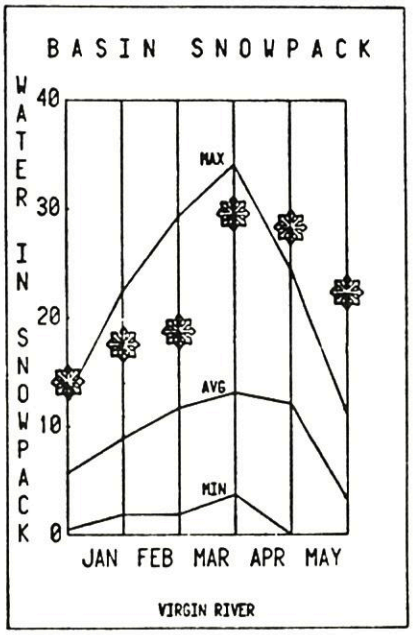
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WATER IN SNOWPACK
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30
20
10
0
MAX
AVG
MIN
JAN FEB MAR APR MAY
VIRGIN RIVER

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
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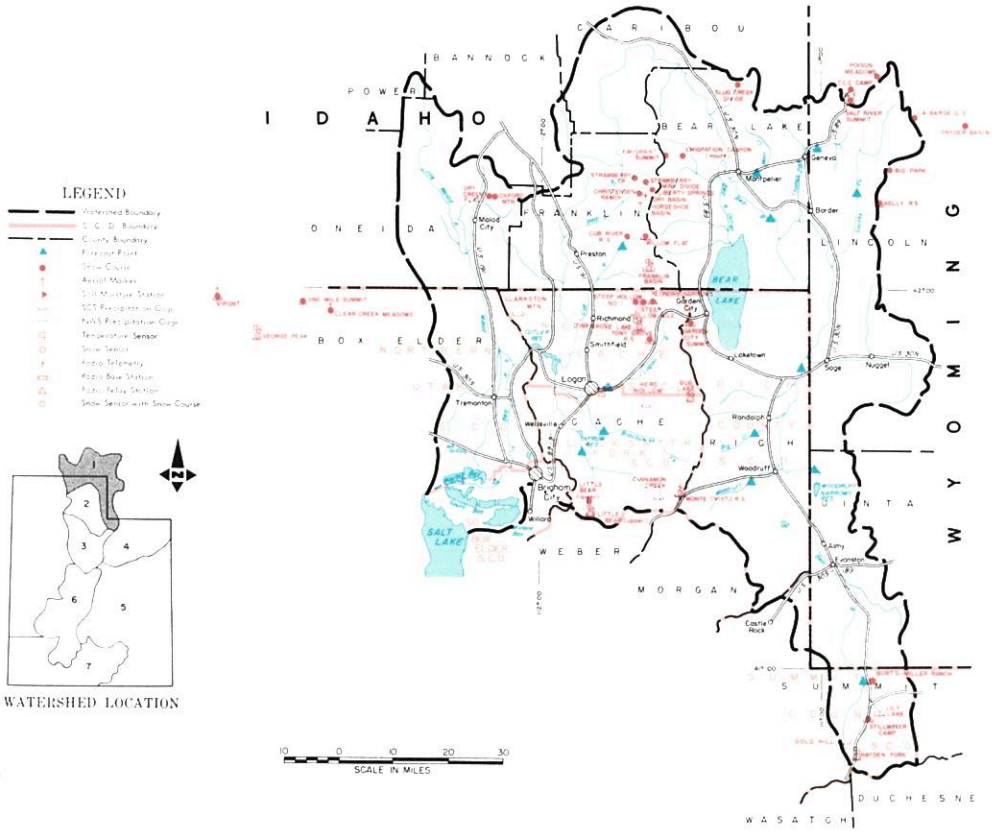

JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 238% of the June 1 average on the Lower Bear and Logan River to 343% on the Upper Bear. Snow melt is delayed about a month this year causing much higher water content remaining on June 1st.

PRECIPITATION at mountain stations ranged from 151% of the May average at Burts Miller Ranch to 333% at Tony Grove Ranger Station.

SOIL MOISTURE is much above average and has caused many earth slides this year.

RESERVOIR STORAGE is above average with most reservoirs full or releasing water to prepare for peak runoff.

STREAMFLOW FORECASTS have increased again after a much heavier than expected May runoff on some streams. Forecasts now range from 104% of average on Smiths Fork to 231% on Little Bear. A good portion of the flow on Little Bear has already come out in May. Other forecasts are as follows: Bear at Utah-Wyoming Line 148%, at Woodruff 151%, at Randolph 160%, at Harer, Idaho 144%, Woodruff Creek 109%, Big Creek 138%, Thomas Fork 118%, Cub River 106%, Blacksmith Fork 165% and Logan River 126% of the May-July average.

Most streams in this area except those heading at the higher elevations should have already peaked.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	161	148	May-July	146	109
Bear nr Woodruff	190	151	May-July	144	126
Woodruff Crk nr Woodruff, UT	17.7	109	May-July	22	16.3
Big Creek nr Randolph, UT	6.6	138	May-July	--	4.8
Bear nr Randolph	147	160	May-July	118	92
Thomas Fork nr ID-WY State Ln	41	118	May-Sept	--	30
Smith's Fork nr Border, WY	125	104	May-Sept	--	112
Bear at Harer, Idaho 1/	391	144	May-Sept	--	271
Logan nr Logan 1/	132	126	May-July	157	105
Blacksmith Fork nr Hyrum	66	165	May-July	63	40
Little Bear nr Paradise	60	231	May-June	43	26
Cub River nr Preston, ID	52	106	May-Sept	--	--

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	13	149	256
UPPER BEAR RIVER	4	227	343
LOWER BEAR RIVER	9	135	238
LOGAN RIVER	7	135	238

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	1273.5	1153.1	1134.2
	Woodruff Narrows	57.3	60.6	57.3	26.5
	Woodruff Creek	4.0	3.6	4.0	--
LITTLE BEAR	Hyrum	15.3	11.6	15.3	15.3
	Porcupine	11.3	12.9	11.3	11.3

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	970-1260	1016
Woodruff Creek nr Woodruff	240-390	267
Little Bear nr Paradise	460-780	507
Bear nr. Ut.-Wyo. Stateline	2150-2520	1600

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	5/28	0	0.0	0.0	0.0[b]
Cub River R.S.	5/27	0	0.0	0.0	--
Emigrant Summit					
Franklin Basin	5/27	67	33.4	24.0	12.9[a]
Hayden Fork	5/28	38	15.4	0.0	5.1[b]
Klondike Narrows	5/27	29	13.3	1.8	1.4[b]

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	5/27	0	0.0	0.0	0.0[b]
Little Bear Upper	5/27	0	0.0	0.0	0.0[b]
Monte Cristo	5/27	69	32.9	23.4	10.1
Salt River Summit					
Stillwater Camp	5/28	12	4.8	0.0	0.3[b]
Tony Grove R.S.	5/27	0	0.0	0.0	0.0[b]

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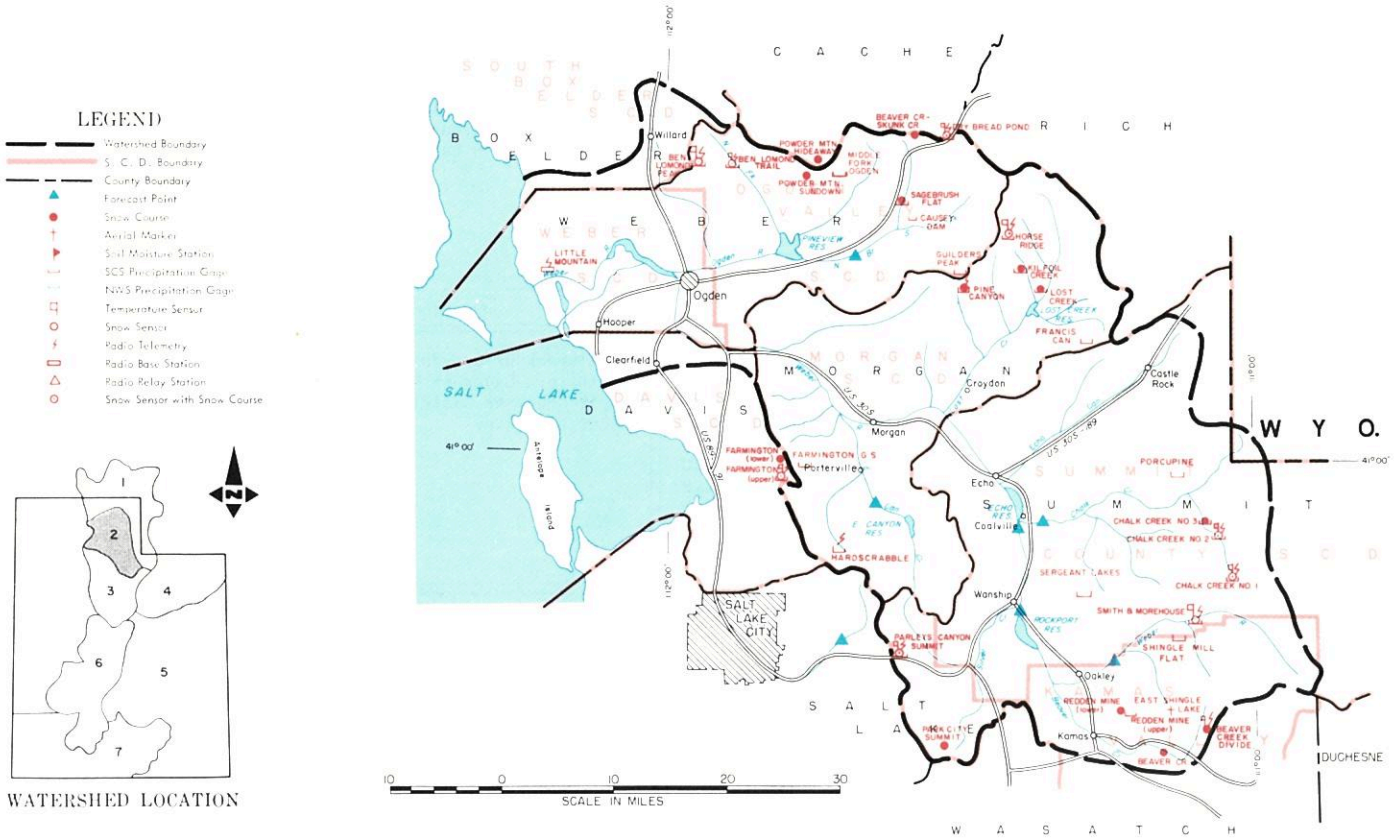
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 423% of the June 1 average on the Ogden to 518% on the Weber. Snow melt is at least a month later than usual resulting in record amounts still on the watersheds for this late in the year.

PRECIPITATION at mountain stations ranged from 116% of the May average at Sagebrush Flat on the Ogden to 282% at Horse Ridge.

SOIL MOISTURE is well above average for this time of year and has caused many mud slides from steeper areas.

RESERVOIR STORAGE is about average with most reservoirs full and spilling.

STREAMFLOW FORECASTS have again increased as a result of heavy May precipitation and later than usual runoff. Some streams exceeded the May-June forecast during the first month. Forecasts now range from 121% of the May-June average at Oakley to 254% on East Canyon Creek. This will be a new record flow on East Canyon Creek at about 5,000 acre feet higher than 1975 flow for the May-June period. Other forecasts are as follows: Rockport Inflow 126%, Chalk Creek 140%, Echo Inflow 125%, Lost Creek 230%, Hardscrabble 183%, Pineview Inflow 211%, Weber at Gateway 149% and Farmington Creek 163% of the May-June average. Most streams in this area have peaked except possibly Weber at Oakley.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Weber nr Oakley	116	121	May-June	122	96
Rockport Reservoir Inflow 1/	123	126	May-June	149	98
Chalk Creek at Coalville	46	140	May-June	50	33
Weber nr Coalville	129	124	May-June	145	104
Lost Creek nr Croydon, UT	29	230	May-June	20	12.6b
East Canyon Creek nr Morgan 1/	44	254	May-June	29	17.3
Hardscrabble Crk nr Porterville	27	183	May-June	--	14.7b
South Fork Ogden nr Huntsville	88	210	May-June	65	42
Pineview Reservoir Inflow 2/	160	211	May-June	106	76
Echo Reservoir Inflow	166	125	May-June	180	133
Weber at Gateway	355	149	May-June	289	238
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	11.2	163	May-July	--	6.9b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	6	213	423
WEBER RIVER	10	305	518

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
OGDEN	Causey	6.9	7.1	7.0	6.9
	Pineview	110.1	106.4	109.9	110.1
WEBER	East Canyon	48.1	49.7	48.9	48.1
	Echo	73.9	73.4	66.9	72.0
	Lost Creek	20.0	21.3	20.4	20.0
	Rockport	60.9	53.2	46.2	61.8
	Willard Bay	193.3	167.5	175.0	193.3

PEAK FLOWS[e]

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Lost Creek nr Croydon	540-680	220
South Fork Ogden nr Huntsville	930-1230	772
Chalk Creek nr Coalville	620-960	568
Weber nr Oakley	1760-2230	1560

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Beaver Creek R.S.	5/28	0	0.0	0.0	0.0b
Beaver Creek-Skunk Creek	5/27	0	0.0	0.0	--
Ben Lomond Peak	5/27	101	53.2	25.2	14.0b
Ben Lomond Trail	5/27	0.0	0.0	0.0	0.0b
Chalk Creek #1	5/28	69	30.1	23.0	15.3b
Chalk Creek #2	5/28	27	11.0	0.0	1.7b
Chalk Creek #3	5/28	0	0.0	0.0	0.0b
Dry Bread Pond	5/27	40	17.0	7.7	2.6b

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Horse Ridge	5/27	42	18.1	10.5	2.4b
Lost Creek Reservoir	5/27	0	0.0	0.0	0.0b
Monte Cristo	5/27	69	32.9	23.4	10.1
Parleys Canyon Summit	5/31	16	6.7	0.0	0.9b
Sagebrush Flat	5/27	0	0.0	0.0	0.0b
Smith & Morehouse	5/28	8	3.0	0.0	0.5b
Trial Lake	5/28	69	35.5	35.4	18.2

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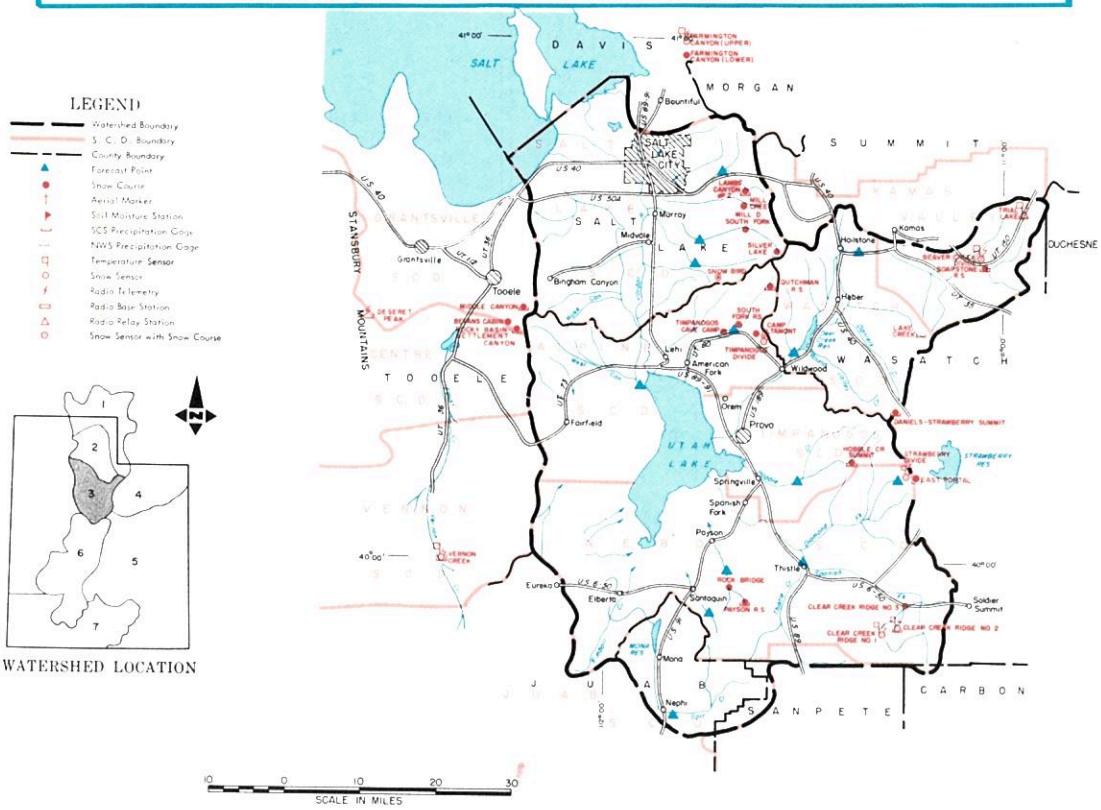
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER for June 1 is well above average as a result of prolonged storminess and cooler than normal temperatures. Snow courses on watersheds that drain into Utah Lake are 520% of the June 1 average. Jordan River tributaries in Salt Lake County are 375% of average.

PRECIPITATION at mountain stations ranged from 126% of the May average at Timpanogos Divide to 250% at Payson R.S.

SOIL MOISTURE is well above average and not capable of absorbing as much snow melt water as normal.

RESERVOIR STORAGE is at or above capacity in all reservoirs except Deer Creek which has been held down to allow room for high flows and should fill easily with the projected runoff. Utah Lake is 3.8 feet above compromise and projected to peak at 4.5 to 4.8 in mid June. The Great Salt Lake is 4204.3 feet above sea level and 3.4 feet above last year and is now expected to peak at 4204.5 to 4204.8 feet.

STREAMFLOW FORECASTS now range from 143% of the April-July average for Little Cottonwood to 414% for Emigration Creek with most forecasts ranging from 2 to 4 times normal flow. Extremely high flows have been recorded on Parley's, Emigration, City Creek and Mill Creek with Little Cottonwood and Big Cottonwood expected to peak around June 21. State Street, 13th South and North Temple have been sand bagged and used as channels to carry high flows through Salt Lake City.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	160	172	May-July	153	106
Provo below Deer Creek Dam 1/	170	173	May-July	--	100
American Fork nr American Fork	55	196	May-July	--	28
Hobble Creek nr Springville	40	278	May-July	--	14.4
Strawberry Reservoir Inflow 1/	72	172	May-July	84	42
Spanish Fork at Thistle	87	289	May-July	--	31
Payson Creek nr Payson	15.0	294	May-July	--	5.1[b]
Utah Lake Inflow	450	259	May-July	--	174
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	50	143	May-July	--	36
Big Cottonwood nr SLC	56	165	May-July	--	34
Parley's Creek nr SLC	32	265	May-July	--	12.1
Mill Creek nr SLC	10.5	194	May-July	--	5.4
Emigration Creek nr SLC	12.0	414	May-July	--	2.9
City Creek nr SLC	17.3	251	May-July	--	2.9
TOOELE VALLEY					
Settlement Crk nr Tooele	4.9	235	May-July	--	2.1[b]
S. Willow Crk nr Grantsville	4.0	156	May-July	3.6	2.6
Vernon Creek nr Vernon	1.9	413	May-June	0.8	0.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	9	277	520
JORDON RIVER & SALT LAKE	3	318	375

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SPANISH FORK	Strawberry	270.0	294.9	253.5	--
UTAH LAKE	Utah Lake	883.9	1269.6	1024.1	--
	Settlement Creek	1.2	1.2	1.0	--
	Vernon Creek	0.6	0.6	0.6	--
PROVO	Deer Creek	149.7	138.1	146.2	142.7

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Cottonwood nr Salt Lake City		
Little Cottonwood nr Salt Lake City		
Provo Near Hailstone		
Spanish Fork nr Thistle		
American Fork nr American Fork		
Mill Creek nr Salt Lake City		
Parley's Creek nr Salt Lake City		
City Creek nr Salt Lake City		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Camp Altamont	5/28	2	0.6	0.0	--
Clear Creek #1	5/25	51	23.4	8.4	2.7[b]
Clear Creek #2	5/25	24	11.4	0.0	0.3[b]
Clear Creek #3	5/25	0	0.0	0.0	0.0[b]
Daniels-Strawberry Summit	5/25	24	11.0	0.0	0.2[b]
Deseret Peak	6/6	82	40.8	--	--
Dutchman R.S.	5/28	32	14.9	0.0	0.4[b]
Hobble Creek Summit	5/25	15	6.7	0.0	0.0[b]
Lambs Canyon #2	5/31	14	7.7	0.0	--
Middle Canyon	6/6	1	0.3	0.0	0.4
Mill Creek	5/27	54	24.3	10.1	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mill D South Fork	5/26	42	19.0	0.0	--
Parley's Canyon Summit	5/31	16	6.7	0.0	0.9[b]
Payson R.S.	5/27	46	22.4	0.0	1.0[b]
Rocky Basin-Settlement Canyon	6/6	79	39.6	14.5[a]	16.2[b]
Silver Lake Brighton	5/26	71	41.0	21.0	11.9b
Soapstone R.S.	5/28	0	0.0	0.0	0.3[b]
South Fork R.S.	5/28	0	0.0		--
Timpanogos Divide	5/28	49	24.1	6.2	3.7[b]
Trial Lake	5/28	69	35.5	35.4	18.2
Vernon Creek	5/30	0	0.0	0.0	0.0

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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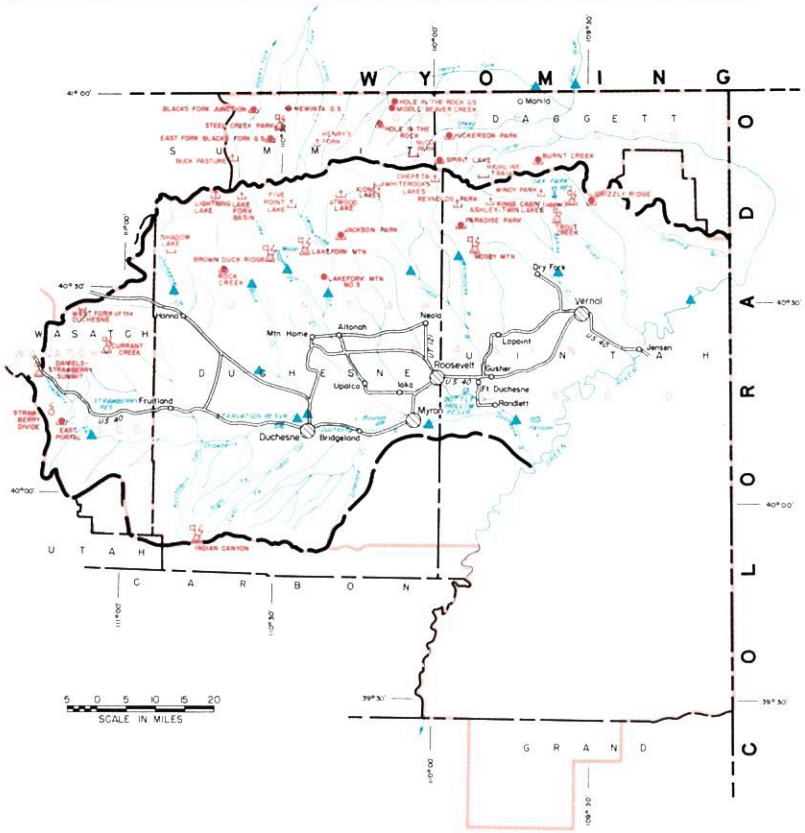
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

WATERSHED LOCATION



JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 306% of the June 1 average on Lakefork-Yellowstone Creeks to 1420% on the Strawberry River drainage. The Duchesne River drainage snow cover is 375%, Uintah-Whiterocks 352%, Ashley Creek 480%, Black's Fork 329% and Sheep Creek 572%.

PRECIPITATION at mountain stations ranged from 102% of the May average at Rock Creek Ranch to 268% at Hickerson Park with many stations receiving near twice the normal precipitation for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is near capacity in the Uintah Basin with Starvation spilling and others releasing to provide some room for peak snow melt runoff.

STREAMFLOW FORECASTS for the May-July period have increased from May 1 forecasts as a result of heavy May precipitation. Forecasts now range from 104% for Flaming Gorge Inflow to 216% for the Duchesne at Randlett. Other forecasts are: Duchesne near Tabiona 146%, Duchesne at Duchesne 143%, Duchesne at Myton 204%, Rock Creek 139%, Currant Creek 157%, Lakefork River 137%, Yellowstone River 152%, Whiterocks 159%, Uintah 172%, Strawberry 186%, West Fork Duchesne 151%, Henry's Fork 176%, Black's Fork 132% and Ashley Creek 153%.

Water supplies are expected to be more than adequate this season. Peak flows are expected to be high and with reservoirs at or near capacity most will be passed on downstream. Provisions should be made to protect property close to stream channels.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	142	146	May-July	161	98
Duchesne at Duchesne 1/	257	143	May-July	254	180
Strawberry at Duchesne	89	186	May-July	79	48
Rock Creek nr Mtn. Home	126	139	May-July	107	91
Currant Creek nr Fruitland	26	157	May-July	27	16.5
Lakefork below Moon Lake 1/	95	137	May-July	77	69
Yellowstone nr Altonah	96	152	May-July	71	63
Duchesne at Myton 1/	394	204	May-July	262	193
Whiterocks nr Whiterock	92	159	May-July	60	58
Uintah nr Neola	145	172	May-July	85	85
Duchesne at Randlett 1/	482	216	May-July	319	223
West Fork Duchesne at Hanna	36	151	May-July	--	24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	86	176	May-Sept	36	49
Black's Fork at Millburne	119	132	May-July	94	90
Flaming Gorge Inflow 1/	1175	104	May-July	--	1292
Ashley Creek nr Vernal	76	153	May-July	49	50

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	11	243	375
LAKEFORK-YELLOWSTONE CREEKS	3	229	306
STRAWBERRY RIVER	4	106	1420
UINTAH - WHITEROCKS RIVERS	3	225	352
ASHLEY CREEK	3	298	480
BLACK'S FORK	4	263	329
SHEEP CREEK	2	389	572

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e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
ASHLEY CREEK	Steinaker	33.3	29.0	33.3	--
GREEN RIVER	Flaming Gorge	3749.0	3416.0	2723.0	2566.0
LAKE FORK	Moon Lake	35.8	32.1	16.8	--
STRAWBERRY	Starvation	165.3	165.9	164.4	--
UINTAH	Bottle Hollow	11.3	11.1	10.9	--

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Strawberry at Duchesne	1010-1430	656
Ashley Creek nr Vernal	1000-1500	1030
Rock Creek nr. Mtn. Home	1660-1970	1432

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	5/28	67	26.9	22.5	11.5b
Currant Creek	5/25	0	0.0	0.0	0.0b
Daniels-Strawberry	5/25	24	11.0	0.0	0.2b
Hewinta G. S.	5/28	31	11.6	1.4	2.4b
Hickerson Park	5/28	38	14.7	0.0	--
Jackson Park	5/28	52	20.4	10.4	--
Kings Cabin Upper	5/28	21	8.4	0.0	1.5b

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	5/28	41	17.9	6.3	3.6b
Mosby Mountain	5/28	51	19.0	5.2	2.8b
Paradise Park	5/28	63	25.4	12.4	6.7b
Rock Creek Ranch	5/28	0	0.0	0.0	1.3b
Spirit Lake	5/28	64	26.5	10.6	7.1b
Steel Creek Park	5/28	69	25.9	19.5	12.0b
Strawberry Divide	NOT MEASURED				
Trout Creek	5/28	36	14.2	0.0	--

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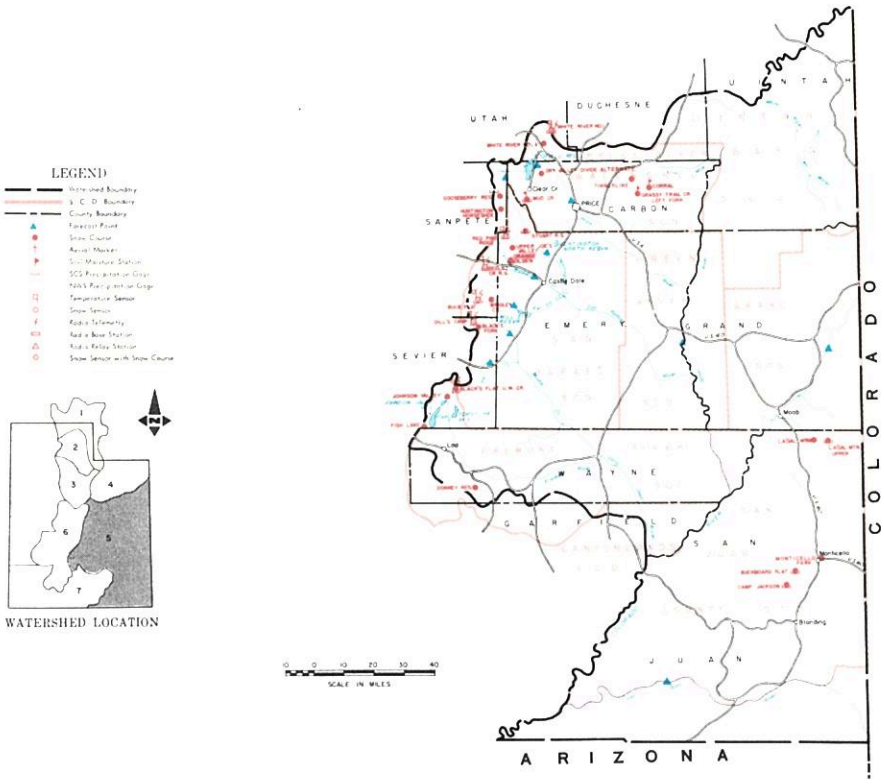
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS MUCH ABOVE AVERAGE

SNOW COVER is at record levels ranging from 651% of the June 1 average on the San Rafael River drainage to 7900% on the Blue Mountains. The Price River drainage snow courses are 5100%, Fremont River 2100% and Lasal Mountains 2119%. Muddy River snow courses have water content more than double that measured previously on June 1.

PRECIPITATION at mountain stations ranged from 77% of the May average for Camp Jackson to 250% at Mud Creek. Only the Blue Mountains received less than normal precipitation while most other areas received 1 1/2 to 2 1/2 times normal May precipitation.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is near capacity. Reservoirs which are not full have been making releases in order to allow storage for high snow melt flows and are expected to fill easily when the gates are closed.

STREAMFLOW FORECASTS range from 121% of the May-July average for the Green River near Green River to 269% for the Price River near Heiner. Other forecasts are: Gooseberry Creek 176%, Scofield Inflow 208%, Huntington Creek 197%, Cottonwood Creek 195%, Ferron Creek 244%, Muddy Creek 222%, Colorado near Cisco 156%, Mill Creek near Moab 228%, San Juan near Bluff 134% and Seven Mile Creek near Fish Lake 146%.

Flood damage has been reported and continued precautions should be taken to prevent property damage by high flows from the heavy, late snowpack.

USDA-SCS-PORTLAND, OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	16.5	176	May-July	--	9.4
Scofield Reservoir Inflow	65	208	May-July	--	31
Price nr Heiner 1/	140	269	May-July	--	52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	83	197	May-July	--	45b
Cottonwood Crk nr Orangeville	81	195	May-July	63	42b
Ferron Creek nr Ferron	78	244	May-July	47	32
MUDDY CREEK					
Muddy Creek nr Emery	34	222	May-July	25	15.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3700	156	May-July	--	2716
Green at Green River, UT	3044	121	May-July	--	2974
Mill Creek nr Moab	9.8	228	May-July	3.4	4.3b
Navajo Reservoir Inflow	677	139	May-July	--	608
San Juan nr Bluff, UT	950	134	May-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.3	146	May-July	6.9	5.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	2	--	5100
SAN RAFAEL RIVER	4	346	651
FREMONT RIVER	3	--	2100
LASAL MOUNTAINS	2	--	2119
BLUE MOUNTAINS	2	--	7900
MUDDY RIVER	--	--	--

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	52.4	66.3	--
SAN RAFAEL	Huntington North	3.9	3.9e	3.3	--
	Joe's Valley	54.6	45.4	39.3	--
	Mill Site	16.7	17.0e	14.7	--
SAN JUAN	Navajo	1696.0	1444.0	1397.9	1400.0
	Kens Lake	2.3	2.2	1.7	---

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	880-1030	422
Muddy Creek near Emery	320-450	154
Huntington Cr. near Huntington		

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	5/25	57	27.7	9.4	3.1b
Buckboard Flat	5/25	21	8.4	0.0	0.2b
Camp Jackson	5/25	18	7.4	0.0	0.0b
Dills Camp	5/25	31	13.0	0.0	0.0
Dry Valley Divide Alternate	5/25	10	4.1	0.0	--
Huntington-Horseshoe	5/25	109	50.1	19.0	--
Lasal Mtn. Upper	5/26	57	26.1	0.0	1.6b
Mammoth-Cottonwood R.S.	5/25	78	37.1	10.4	4.4b

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Monticello City Park	5/26	0	0.0	0.0	--
Mud Creek	5/25	18	8.1	0.0	0.0
Red Pine Ridge	5/25	47	22.7	3.8	1.6b
Seeley Creek	5/25	76	32.9	10.9	8.1b
White River #1	5/25	27	12.3	0.0	0.4b
White River #3	5/25	0	0.0	0.0	--

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
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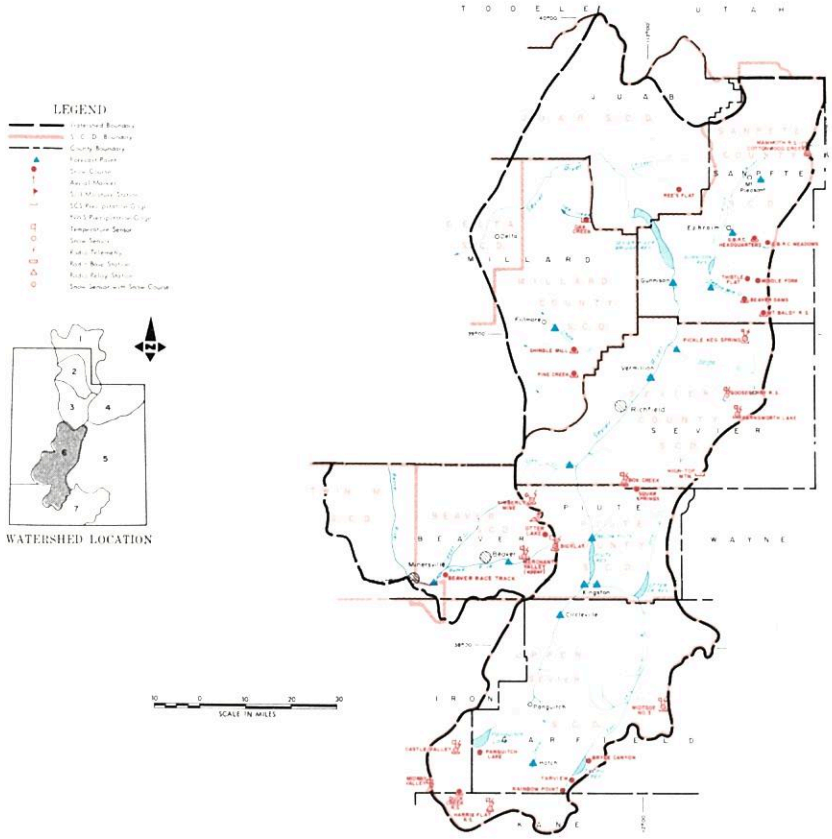

JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER is at record levels for June 1 and ranged from 576% of average on the Lower Sevier to 2300% on the East Fork of the Upper Sevier. The Beaver River is 600% and South Fork Sevier 971% of the June 1 average.

PRECIPITATION at mountain stations ranged from 153% of the May average at Duck Creek R.S. to 309% of average at G.B.R.C. Meadows with most stations receiving 2 to 3 times normal for the month.

SOIL MOISTURE is well above average and the incidence of mud flows is much greater than normal.

RESERVOIR STORAGE is over capacity with all reservoirs reported full and spilling.

STREAMFLOW FORECASTS are at record levels at many stations ranging from 244% of the May-July average for Salt Creek near Nephi to 686% of the March-June average for Vermillion Dam to Gunnison. Most forecasts are for three to six times average flow and reports of flooding have been widespread. Record snowpack, high soil moisture levels, continued heavy precipitation and full reservoirs should combine to keep streamflows much higher than average throughout much of the summer.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Sevier at Hatch	110	314	May-July	--	35
Sevier nr Circleville	90	391	May-July	--	23
Sevier nr Kingston	66	379	May-July	--	16.9
Antimony Crk nr Antimony	23	404	May-July	--	5.7b
East Fork Sevier nr Kingston1/	55	529	May-July	--	10.5
Sevier below Piute Dam	120	444	May-July	--	27
Clear Crk nr Sevier (abv Div)	55	359	May-July	--	15.3
Sigurd to Gunnison	100	476	May-July	--	22
Kingston to Vermillion Dam	250	446	May-June	--	56
Vermillion Dam to Gunnison	240	686	May-June	--	35
Salina Creek at Salina	45	433	May-June	--	10.4
Sevier nr Gunnison	235	618	May-July	--	38
Chalk Creek nr Fillmore	55	422	May-July	--	13.1
Chicken Creek nr Levan	8.8	354	May-July	4.4	2.5
Oak Cr. nr Oak City	2.9	293	May-July	1.3	1.0b
Ephraim Creek nr Ephraim	55	417	May-July	--	13.2b
Pleasant Crk nr Mt. Pleasant	33	418	May-July	--	7.9b
Salt Creek nr. Nephi	24	244	May-July	--	10.0
Beaver nr Beaver	56	309	May-July	29	18.0
North Creek (Combined)	35	288	May-July	--	12.0b
Minersville Inflow	32	590	May-June	--	5.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	3	1500	2300
South Fork Sevier	6	971	971
LOWER SEVIER	6	328	576
BEAVER RIVER	3	243	600

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e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	18.2	18.2	18.2
	Otter Creek	52.5	52.7	52.7	52.5
	Piute	71.8	71.8	69.3	71.8
	Sevier Bridge	236.0	236.1	195.6	--
	Panguitch Lake	22.3	23.0e	22.3	--
BEAVER RIVER	Minersville (Rky Fd)	23.3	23.3	16.3	23.3

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Sevier River at Hatch		
Beaver River nr Beaver	600-860	211
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Big Flat	5/26	87	35.7	21.8	11.7
Bryce Canyon	5/26	0	0.0	0.0	--
Castle Valley	5/26	28	13.5	0.0	0.0b
Duck Creek	5/26	24	11.3	0.0	0.0b
Farnsworth Lake	5/25	77	33.8	11.5	--
Gooseberry R.S.	5/25	24	10.8	0.0	--
Harris Flat	5/26	0	0.0	0.0	0.0
Kimberly Mine	5/26	52	27.4	0.0	2.2b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Long Valley Junction	5/26	0	0.0	0.0	--
Merchants Valley Upper	5/26	17	6.7	0.0	0.0b
Midway Valley	5/26	86	44.9	10.0	7.8b
Oak Creek	5/26	34	16.1	0.0	--
Otter Lake	5/26	60	24.8	9.3	5.3b
Pickle Keg Springs	5/25	54	25.1	0.4	--
Pine Creek	5/26	67	33.9	0.0	1.3b
Widtsoe-Escalante #3	5/26	28	11.5	0.0	--

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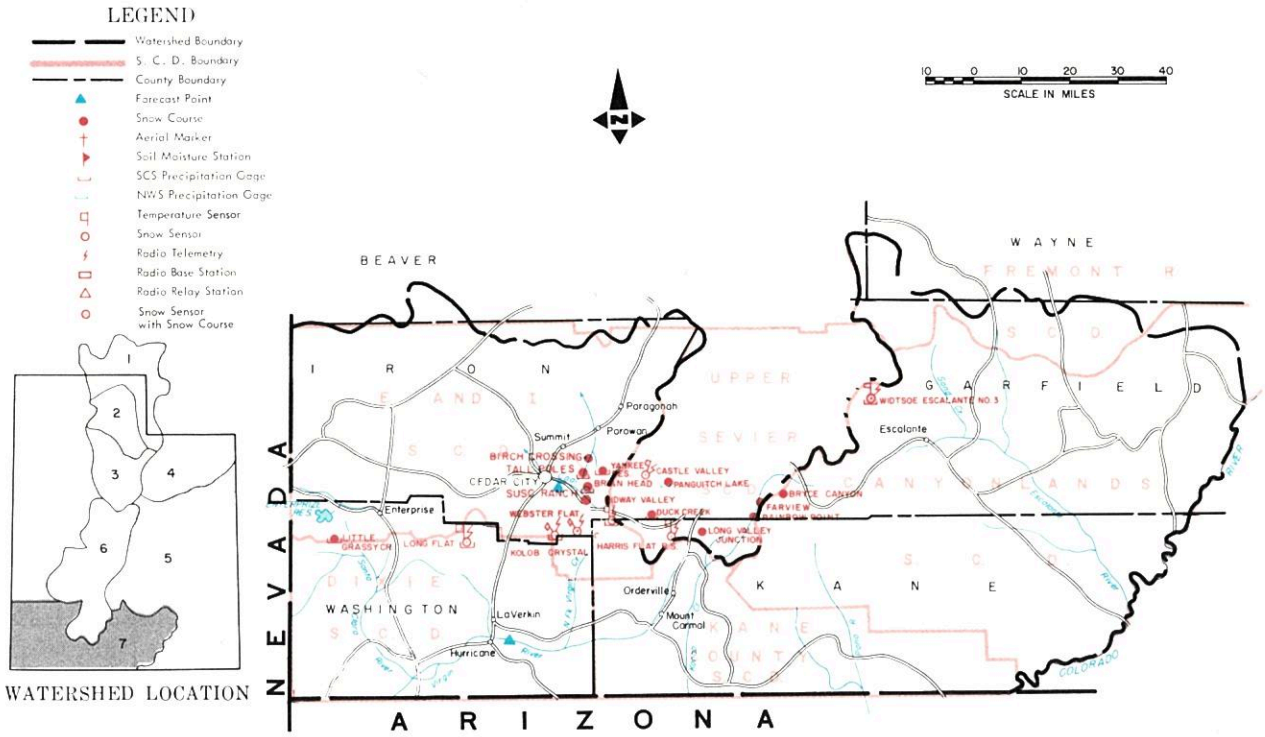
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER now ranges from 481% of the June 1 average on Parowan Creek to 786% on Coal Creek. The Virgin River drainage is at 653% of average.

PRECIPITATION at mountain stations ranged from 117% of the May average at Widtsoe-Escalante #3 to 254% at Yankee Reservoir.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is near capacity.

STREAMFLOW FORECASTS range from 131% of the May-July average for Lake Powell Inflow to 592% of the May-June average for the Santa Clara River near Pine Valley. Coal Creek is forecast 352% and the Virgin River near Hurricane is forecast 503% of the May-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST * Thousand Acre Feet	THIS YEAR FORECAST * Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	156	503	May-June	29	30
Santa Clara nr Pine Valley	16.0	592	May-June	--	3.3
COAL CREEK					
Coal Creek nr Cedar City	50	352	May-July	17.8	14.2
UPPER COLORADO					
Lake Powell Inflow	7975	131	May-July	--	6952

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	2	770	786
VIRGIN RIVER	2	--	653
PAROWAN CREEK	2	472	481
ENTERPRISE - NEW HARMONY	--	--	--
ESCALANTE RIVER	--	--	--

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e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
COLORADO	Lake Powell	25002.0	24216.0	21127.0	19600.0
	Blue Mesa	829.5	562.0	394.9	450.0

PEAK FLOWS e

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City		
Virgin nr Virgin		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	5/26	0	0.0	0.0	--
Brian Head	5/26	70	32.3	10.3	8.1b
Harris Flat	5/26	0	0.0	0.0	0.0
Kolob-Crystal	5/26	68	34.5	0.0	8.2b
Little Grassy	5/26	0	0.0	0.0	0.0b
Long Flat	5/26	0	0.0	0.0	0.0b

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	5/26	0	0.0	0.0	--
SUSC Ranch	5/26	0	0.0	0.0	--
Tall Poles	5/26	32	16.3	0.0	2.0b
Webster Flat	5/26	50	32.1	0.0	2.0
Yankee Reservoir	5/26	17	7.1	0.0	0.0b

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	5/28	0	0.0	0.0	0.0[b]	5/28	3.50	2.32[b]	16.31	13.99[b]	117
CCC Camp	NOT MEASURED										
Hayden Fork	5/28	38	15.4	0.0	5.1[b]	5/28	5.02	3.02[b]	31.04	27.16	114
Monte Cristo R.S.	5/27	69	32.9	23.4	10.1	5/27	7.45	2.83	36.90	34.00	109
Salt River Summit	5/31	0	0.0	0.0	--	5/31	4.06	1.47	23.66	21.23	111
Stillwater Camp	5/28	12	4.8	0.0	0.3[b]	5/28	4.06	2.22	20.52	17.32	118
Lily Lake	5/28	34	13.4	2.4	--	5/28	5.25	--	24.52	--	--
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	5/27	41	16.1	14.0	--	5/27	5.91	--	24.97	--	--
Cub River R.S.	5/27	0	0.0	0.0	--						
Emigrant Summit	NOT MEASURED										
Franklin Basin	5/27	67	33.4	24.0	12.9[a]	6/1	6.80[a]	--	43.00[a]	--	--
Garden City Summit	5/27	35	14.7	9.6	3.5	5/27	5.39	2.14	27.58	24.47	113
Klondike Narrows	5/27	29	13.3	1.8	1.4[b]	5/27	6.13	2.75	31.64	29.20[b]	108
Little Bear (lower)	5/27	0	0.0	0.0	0.0[b]						
Little Bear (upper)	5/27	0	0.0	0.0	0.0[b]	5/27	6.31	--	37.12	--	--
Slug Creek Divide	NOT MEASURED				--						
Steep Hollow #1	5/27	103	48.4	43.6	25.6						
Steep Hollow #2	5/27	59	27.7	17.8	8.0[b]						
Tony Grove Lake	5/27	86	40.8	35.3	23.6[b]	5/27	9.03[a]	--	45.67[a]	--	--
Tony Grove R.S.	5/27	0	0.0	0.0	0.0[b]	5/27	5.20	1.56[b]	25.10	29.97[b]	84
Willow Flat	5/27	0	0.0	0.0	--	5/27	7.85	2.85[b]	38.77	30.36	128
OGDEN RIVER											
Beaver Creek-Skunk Creek	5/27	0	0.0	0.0	0.0[b]						
Ben Lomond Peak	5/27	101	53.2	25.2	14.0[a]						
Ben Lomond Trail	5/27	0	0.0	0.0	0.0[b]	5/27	6.90	3.05[b]	57.18	37.17[b]	154
Causey Dam	5/27	0	0.0	0.0	0.0[b]	5/27	3.72	1.86[b]	19.33	18.50	104
Dry Bread Pond	5/27	40	17.0	7.7	2.6[b]	6/1	4.60[a]	2.62b	26.60[a]	27.90	95
Sagebrush Flat	5/27	0	0.0	0.0	0.0[b]	5/27	2.03	1.75[b]	15.69[a]	18.58	84
WEBER RIVER											
East Shingle Lake (A)	6/10	75	37.5	25.5	--						
Beaver Creek R.S.	5/28	0	0.0	0.0	0.0[b]						
Chalk Creek #1	5/28	69	30.1	23.0	15.3[b]	5/28	6.50[a]		36.35[a]		
Chalk Creek #2	5/28	27	11.0	0.0	1.7[b]	5/28	4.81[a]	2.25	25.74[a]	19.64	131
Chalk Creek #3	5/28	0	0.0	0.0	0.0[b]	5/28	4.66	2.17[b]	22.14	17.76[b]	125
Farmington Canyon (lower)	5/27	64	33.0	2.6	0.0[b]	5/27	6.50	4.32	46.69[a]	38.24	122
Farmington Canyon (upper)	5/27	102	51.8	17.0	12.4[b]	5/27	9.36[a]	6.24[a]	54.79[a]	46.13[a]	119
Farmington G.S.	5/27	68	34.7[a]	0.0	--	5/27	4.60	5.20[b]	42.83[a]	38.44	111
Hardscrabble	5/27	28	12.6	0.0	--						
Horse Ridge	5/27	42	18.1	10.5	2.4[b]	5/27	7.39	2.62[b]	35.66	31.00	115
Kilfoil Creek	5/27	4	1.6	0.0	--						
Lost Creek Reservoir	5/27	0	0.0	0.0	0.0[b]	5/27	4.14	--	15.57	--	--
Park City Summit	6/2	70	32.2[e]	--	--						
Parley's Canyon Summit	5/31	16	6.7	0.0	0.9[b]	5/31	5.89	2.80	35.16	30.38	116
Pine Canyon	5/27	30	12.6	0.0	--						
Redden Mine (lower)	5/28	43	18.2	5.8	--	5/28	6.32	--	30.46	--	--
Smith & Morehouse	5/28	8	3.0	0.0	0.5[b]	5/28	6.03	2.46	26.51	24.47	108
Sargeant Lake (A)	6/10	12	6.0	--	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	5/28	2	0.6	0.0	--	5/28	4.65[a]	--	28.63[a]	--	--
Camp Altamont	5/28	6	2.4	--	--						
Clear Creek Ridge #1	5/25	51	23.4	8.4	2.7[b]	5/25					
Clear Creek Ridge #2	5/25	24	11.4	0.0	0.3[b]	5/25	4.40	2.01	26.92	21.38	126
Clear Creek Ridge #3	5/25	0	0.0	0.0	0.0[b]						
Dutchman R.S.	5/28	32	14.9	0.0	0.4[b]	5/28	4.25	2.64[b]	38.05	27.63	138
Hobble Creek Summit	5/25	15	6.7	0.0	0.0[b]	5/25	5.02	2.15	28.41	22.54	126
Payson R.S.	5/27	46	22.4	0.0	1.0[b]	5/27	4.96	1.98	29.00	23.51	123
Soapstone R.S.	5/28	0	0.0	0.0	0.3[b]	5/28	3.37	2.05	24.12	21.84	110
South Fork R.S.	5/28	0	0.0	--	--						
Timpanogos Cave Camp	5/28	0	0.0	--	--						
Timpanogos Divide	5/28	49	24.1	6.2	3.7[b]	5/28	3.50	2.78	41.25	32.17	128
Trial Lake	5/28	69	35.5	35.4	18.2	5/28	4.57	2.72	37.13	31.45	118

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

+ 1958-1972 period.

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevin's Cabin	6/6	0	0.0	--	--						
Lamb's Canyon #2	5/31	14	7.7	0.0	--	5/31	5.81	--	28.22	--	--
Middle Canyon	6/6	1	0.3	0.0	--	6/6	5.84	2.86[b]	--	23.06	--
Mill Creek	5/27	54	24.3	10.1	--						
Mill D South Fork	5/26	42	19.0	0.0	--						
Rocky Basin-Settlement	6/6	79	39.6	14.5[a]	--	6/6	7.89		49.86		
Silver Lake (Brighton)	5/26	71	41.0	21.0	11.9[b]						
Snow Bird (Gad Valley)	NOT MEASURED										
Vernon Creek	5/30	0	0.0	0.0	0.0	5/30	4.47[a]	2.05[b]	33.14[a]	19.90	166
Deseret Peak	6/6	82	40.8	--	--						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	6/10	54	27.0	12.0	--						
Black's Fork G.S.-East Fork	5/28	28	11.2	0.0	1.6[b]	5/28	3.89	--	20.43	--	--
Black's Fork Junction	5/28	18	6.3	0.0	0.7[b]	5/28	3.63	--		--	--
Buck Pasture (A)	6/10	30	15.0	11.5	--						
Burnt Creek	6/1	0	0.0	0.0	0.4[b]	6/1	4.90		18.30		
Grizzly Ridge	6/1	0	0.0	0.0	--	6/1	4.60	2.90[b]	26.00	19.50	133
Hewinta G.S.	5/28	31	11.6	1.4	2.4[b]	5/28	3.95	--	22.19	--	--
Hickerson Park	5/28	38	14.7	0.0	--	5/28	6.88	2.57[b]	25.53	15.54	164
King's Cabin (upper)	5/28	21	8.4	0.0	1.5[b]	5/28	3.88	3.01	21.51	17.59	122
Reynolds Park (A)	6/10	63	31.5	6.0	--						
Spirit Lake	5/28	64	26.5	10.6	7.1[b]	5/28	7.50	3.68[b]	29.98	22.38[b]	134
Steel Creek Park	5/28	69	25.9	19.5	12.0[b]	5/28	5.07	--	21.70	--	--
Trout Creek	5/28	36	14.2	0.0	--	5/28	4.84	--	24.75	--	--
Henrys Fork (A)	6/10	33	16.5	1.5	3.6[b]						
DUCHESNE RIVER											
Atwood Lake (A)	6/10	39	19.5	11.5	0.0[b]						
Brown Duck Ridge	5/28	67	26.9	22.5	11.5[b]	5/28	3.25	--	26.92	--	--
Chepeta	5/28	60	24.2	11.6	--	5/28	6.62[a]		28.20[a]		
Currant Creek	5/25	0	0.0	0.0	0.0[b]	5/25	2.09	1.58[b]	20.24	17.78	114
Daniels-Strawberry Summit	5/25	24	11.0	0.0	0.2[b]	5/25	4.14	1.90[b]	28.53	22.99	124
East Portal	6/1	0	0.0	0.0	0.0[b]	6/1	3.89		26.94		
Five Points Lake (A)	6/10	45	22.5	13.5	--						
Indian Canyon	5/25	40	17.4	0.0	--	5/25	3.18	1.71[b]	24.81	17.37[b]	143
Jackson Park	5/28	52	20.4	10.4	--	5/28	4.48		26.41		
Lakefork Basin (A)	6/10	53	26.5	25.5	--						
Lakefork Mountain #1	5/28	41	17.9	6.3	3.6[b]	5/28	3.49	2.60	22.73	18.30	124
Lakefork Mountain #3	5/28	0	0.0	0.0	0.0[b]						
Lightning Lake (A)	6/10	72	36.0	34.5	--						
Mosby Mountain	5/28	51	19.0	5.2	2.8[b]	5/28	5.33	2.62[b]	26.91	17.80	151
Paradise Park	5/28	63	25.4	12.4	6.7[b]	5/28	5.30	2.50		20.56	
Rock Creek Ranch	5/28	0	0.0	0.0	1.3[b]	5/28	1.87	1.83	19.04	15.35	124
Strawberry Divide	NOT MEASURED					6/1	3.80[a]		31.60[a]		
Chepeta-Whiterocks (A)	6/10	59	29.5	--	--						
PRICE RIVER											
Dry Valley Divide Alternate	5/25	10	4.1	0.0	--						
Mud Creek	5/25	18	8.1	0.0	0.0b	5/25	4.88[a]	1.95	--	19.16	
White River #1	5/25	27	12.3	0.0	0.4[b]	5/25	3.68	1.71[b]	23.03	17.77	130
White River #3	5/25	0	0.0	0.0	--						
SAN RAFAEL RIVER											
Buck Flat	5/25	57	27.7	9.4	3.1[b]	5/25	4.69	2.52	31.72	22.97	138
Huntington-Horseshoe	5/25	109	50.1	19.0	--						
Orange Olsen	5/25	0	0.0	0.0		5/25	1.45	0.97[b]	14.53	9.50	153
Red Pine Ridge	5/25	47	22.7	3.8	1.6[b]	5/25	2.70	2.22	29.46[a]	25.61	115
Seeley Creek R.S.	5/25	76	32.9	10.9	8.1[b]	5/25	4.31[a]		25.01[a]		
Stuart R.S.	5/25	0	0.0	0.0	0.0[b]	5/25	2.50	1.65	18.02	15.42	117
Upper Joe's Valley	5/25	13	4.7	0.0	--						
Wrigley Creek	5/25	20	8.7	0.0	--						
MUDDY RIVER											
Black's Fork	5/25	36	16.3	0.0	0.0						
Dill's Camp	5/25	31	13.0	0.0	0.0	5/25	4.38		27.72		

† 1958-1972 period.

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	5/25	22	8.4	0.0	0.4	5/25	3.43	1.81	19.55	16.28	120
Fish Lake	5/25	0	0.0	0.0	0.0[b]	5/25	2.91	1.39	16.44	12.39	133
Johnson Valley	5/25	0	0.0	0.0	0.0[b]						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	5/25	21	8.4	0.0	--	5/25	1.65	1.94	29.00	22.83	127
Camp Jackson	5/25	18	7.4	0.0	0.0[b]	5/25	1.20	1.56	30.75	20.76	148
LaSal Mountain (lower)	5/26	18	7.8	0.0	--						
LaSal Mountain (upper)	5/26	57	26.1	0.0	--	5/26	3.65	2.21	33.90	19.38	176
Monticello City Park	5/26	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	5/25	44	18.3	2.3	1.0[b]	5/25	4.84	1.88	29.07	18.29	159
Bryce Canyon	5/26	0	0.0	0.0	--						
Castle Valley	5/26	28	13.5	0.0	0.0[b]	5/26	3.17	1.62	30.24	18.75	161
Duck Creek R.S.	5/26	24	11.3	0.0	0.0[b]	5/26	2.93	1.91	39.18	21.55	182
Harris Flat	5/26	0	0.0	0.0	0.0	6/1	0.20[a]	--	20.00[a]	--	--
Kimberly Mine	5/26	52	27.4	0.0	2.2[b]	5/26	5.13	2.15	36.71	24.76	148
Midway Valley	5/26	86	44.9	10.0	7.8[b]	5/26	4.00[a]	--	53.10[a]	--	--
Panguitch Lake	5/26	0	0.0	0.0	0.0[b]	5/26	2.01	1.04	18.71	10.43	179
Squaw Springs	5/25	12	4.7	0.0	--						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	5/25	21	9.2	0.0	0.0[b]	5/25	6.42	2.10[b]	30.91	18.44	168
Farnsworth Lake	5/25	77	33.8	11.5	--	5/25	7.10	--	35.83	--	--
G.B.R.C. Headquarters	5/25	62	27.1	3.0	3.2[b]	5/25	6.19[a]	2.38	35.59	24.93	143
G.B.R.C. Majors						NOT MEASURED		1.51[b]		12.17	
G.B.R.C. Meadows	5/25	103	47.5	24.7	13.3[b]	5/25	8.03	2.60	40.77	29.80	137
G.B.R.C. Oaks						NOT MEASURED		1.78		16.66	
Gooseberry R.S.	5/25	24	10.8	0.0	--	5/25	5.58	1.83[b]	26.42	17.95[b]	148
Mammoth-Cottonwood Creek	5/25	76	37.1	10.4	4.4[b]	5/25	4.60[a]	--	29.15[a]	--	--
Mt. Baldy R.S.	5/25	98	45.0	22.8	12.5[b]	5/25	8.19	2.67[b]	37.42	23.51[b]	159
Oak Creek	5/26	34	16.1	0.0	--	5/26	5.01	1.83[b]	30.62	21.62	142
Pickle Keg Springs	5/25	54	25.1	0.4	--	6/1	5.40[a]		37.44[a]		
Pine Creek	5/26	67	33.9	0.0	1.3[b]	5/26	8.01	3.00	44.10	30.70	144
Ree's Flat	5/27	8	3.6	0.0	--			--		--	
Shingle Mill	5/25	0	0.0	0.0	--	5/25	5.74	2.14[b]	31.80	21.69	147
Gooseberry Reservoir						5/25	6.51	2.33	36.14	24.04	150
BEAVER RIVER											
Beaver Canyon Power House	NOT MEASURED										
Beaver Race Track	5/26	0	0.0	0.0	--						
Big Flat	5/26	87	35.7	21.8	11.7	5/26	4.58	2.71	33.20	21.71	153
Merchant's Valley (upper)	5/26	38	17.5	0.0	0.0[b]	5/26	4.15	1.88	31.68	19.09	166
Otter Lake	5/26	60	24.8	9.3	5.3[b]						
PAROWAN CREEK											
Birch Crossing	5/26	0	0.0	0.0	--						
Brian Head	5/26	70	32.3	10.3	8.1[b]						
Tall Poles	5/26	32	16.3	0.0	2.0[b]	5/26	3.50	1.42[b]	28.05	19.79[b]	142
Yankee Reservoir	5/26	17	7.1	0.0	0.0[b]	5/26	3.64	1.43	23.90	16.57	144
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	5/26	0	0.0	0.0	0.0[b]	5/26	1.42	0.88[b]	29.50	15.61[b]	189
Long Flat	5/26	0	0.0	0.0	0.0[b]	5/26	1.71	1.23[b]	25.35[a]	14.24[b]	178
COAL CREEK											
Cedar City Golf Course	5/26	0	0.0	0.0	--						
SUSC Ranch	5/26	0	0.0	0.0	--						

† 1958-1972 period.

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
ESCALANTE RIVER					
Widtsoe-Escalante #3	5/26	28	11.5	0.0	0.5[b]
VIRGIN RIVER					
Kolob-Crystal	5/26	68	34.5	0.0	8.2[b]
Long Valley Junction	5/26	0	0.0	0.0	--
Webster Flat	5/26	50	32.1	0.0	2.0

PRECIPITATION (Inches)

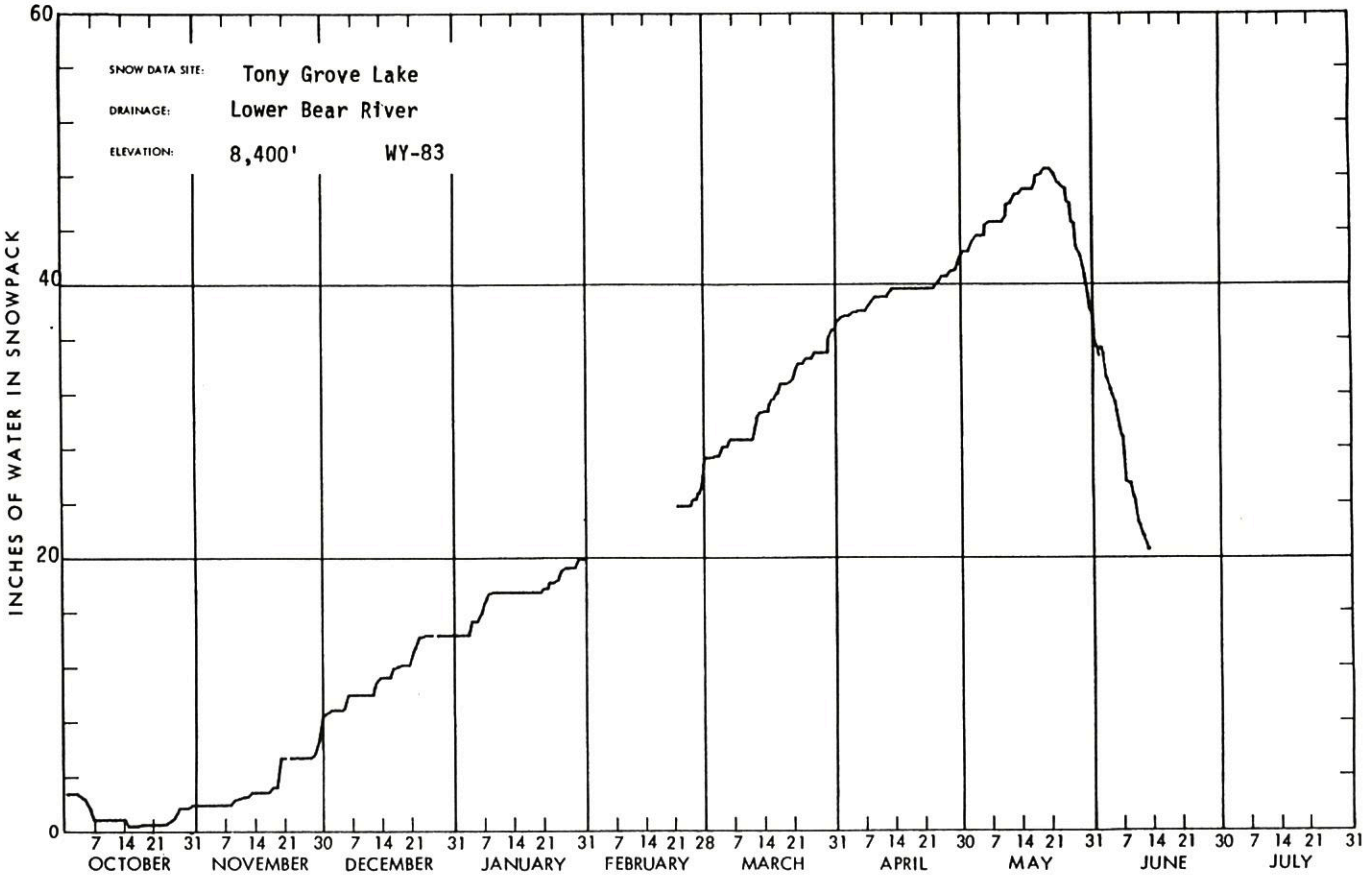
DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
ESCALANTE RIVER						
Widtsoe-Escalante #3	5/26	2.12	1.81	22.34	17.02	131
VIRGIN RIVER						
Kolob-Crystal	5/26		--		--	
Long Valley Junction						
Webster Flat	5/26	3.06	1.90[b]	45.04	24.98[b]	180

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 0

+ 1958-1972 period.

WSFB-X13A



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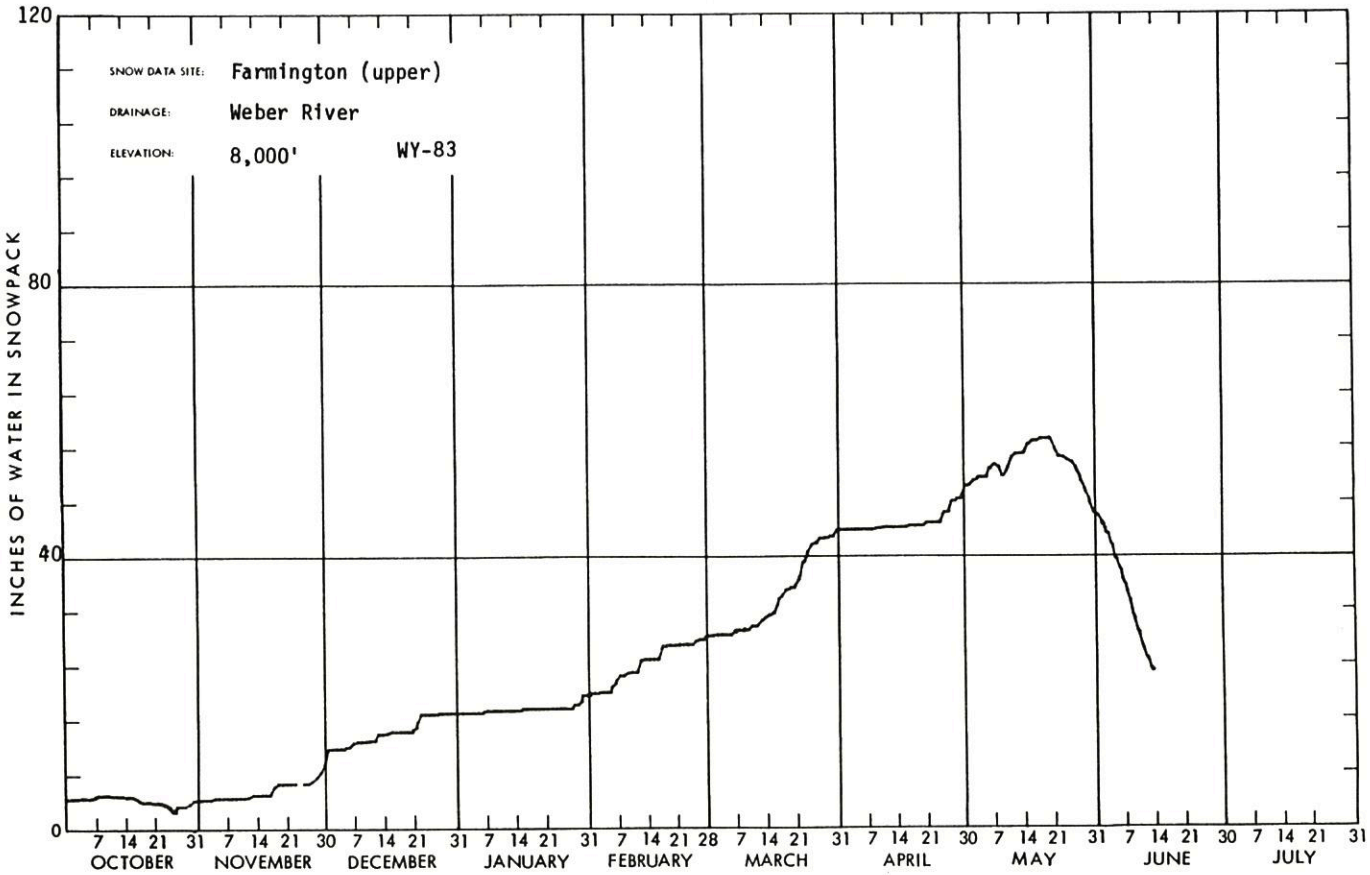

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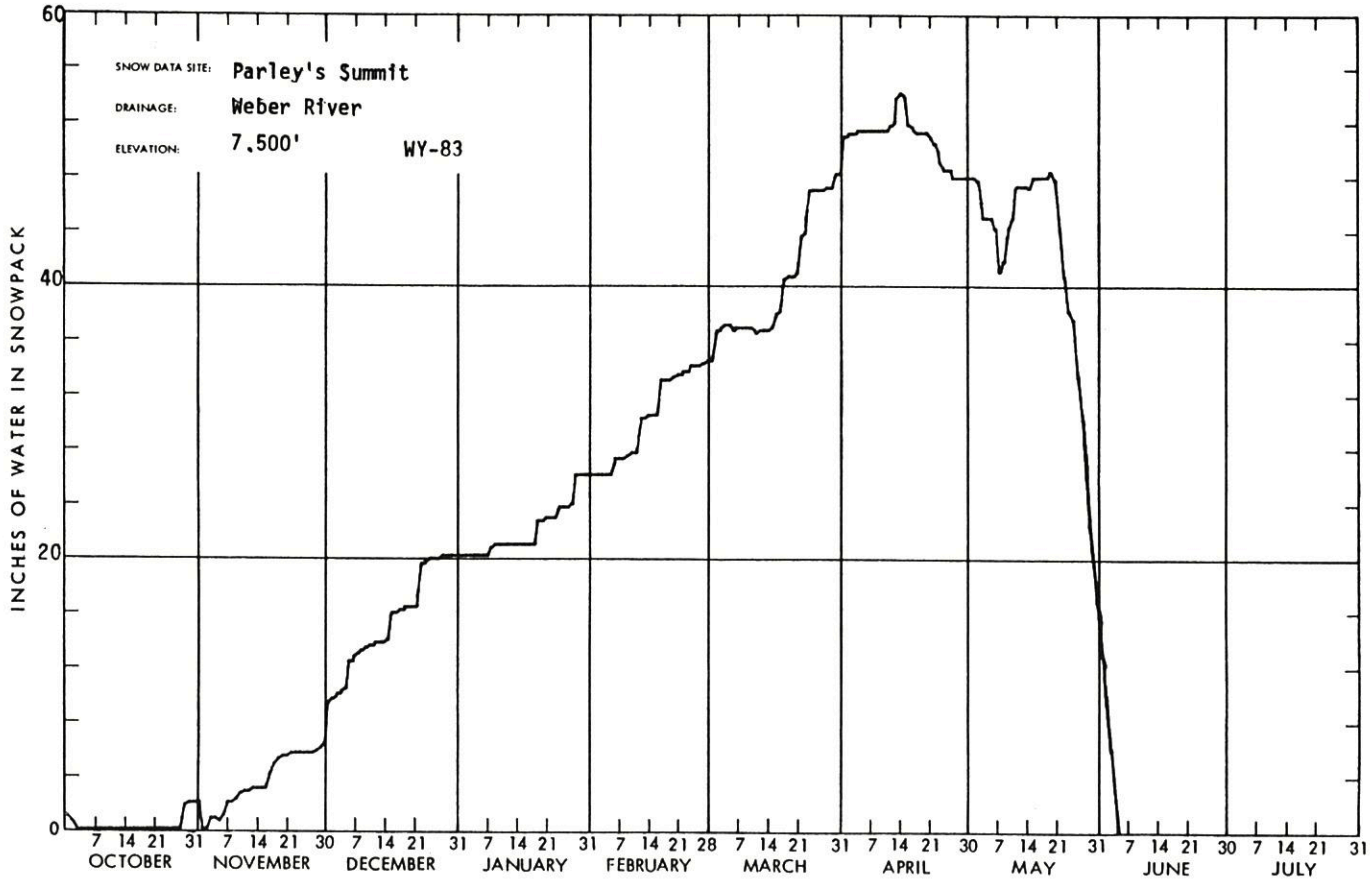

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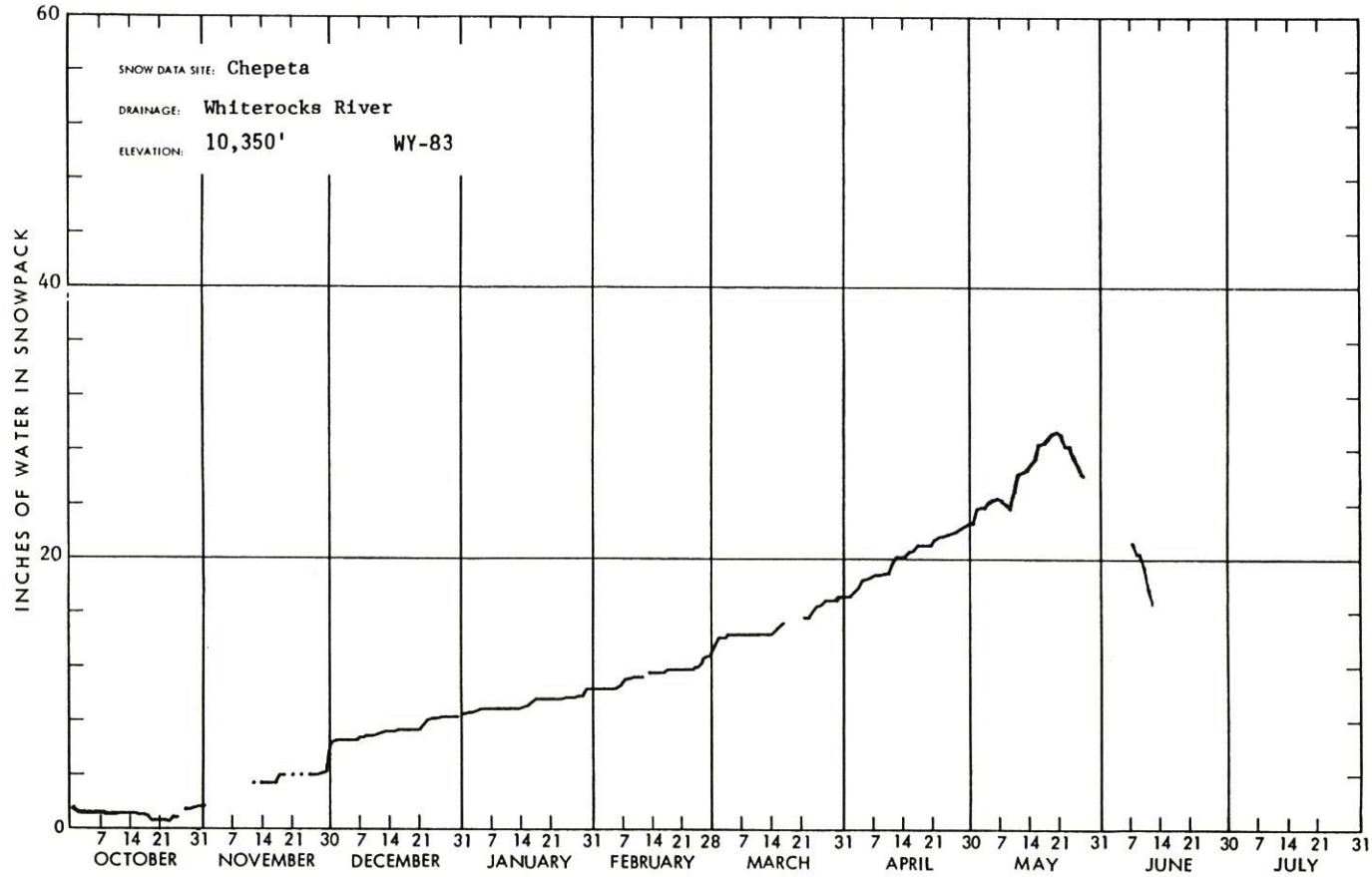

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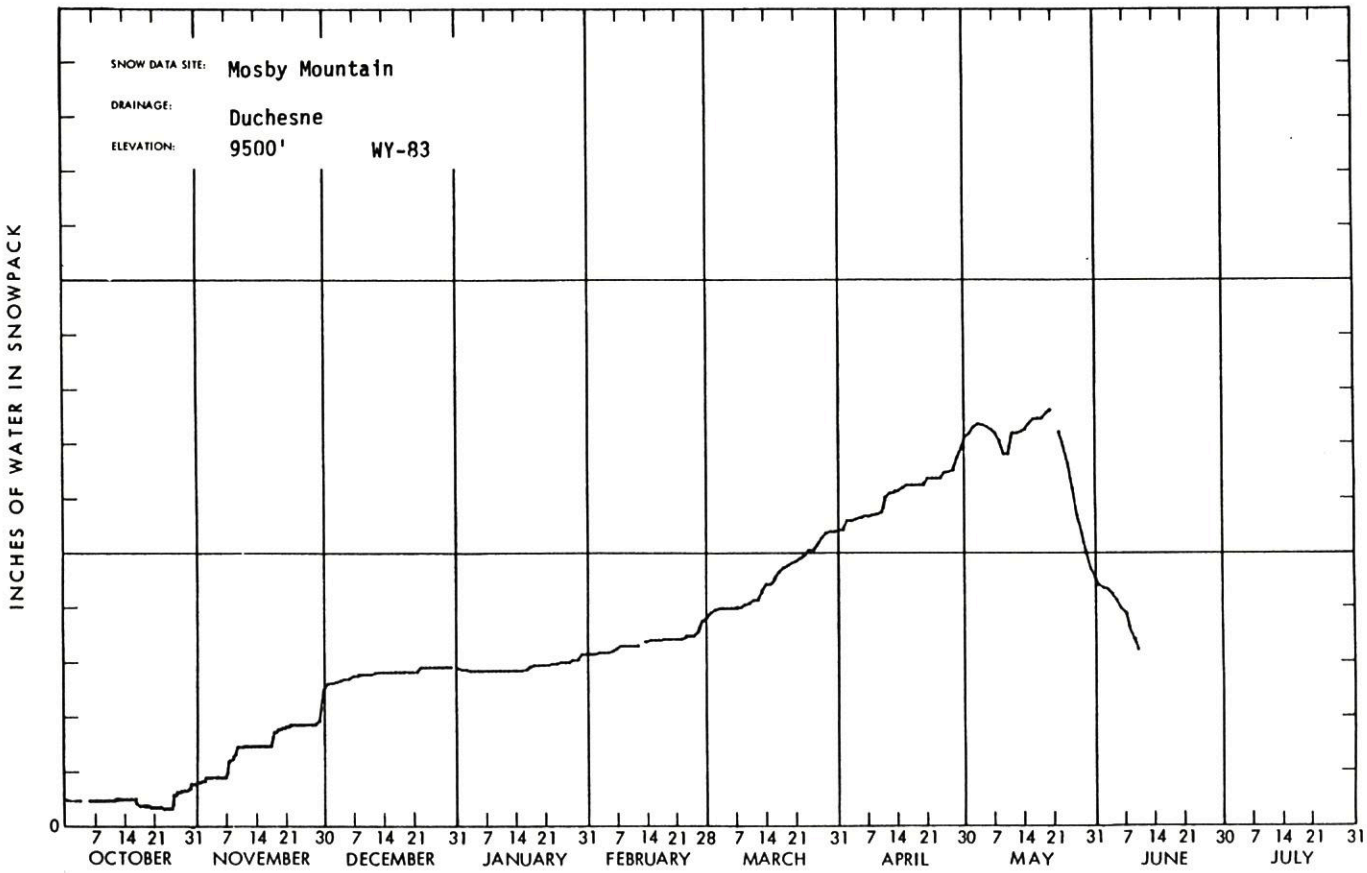

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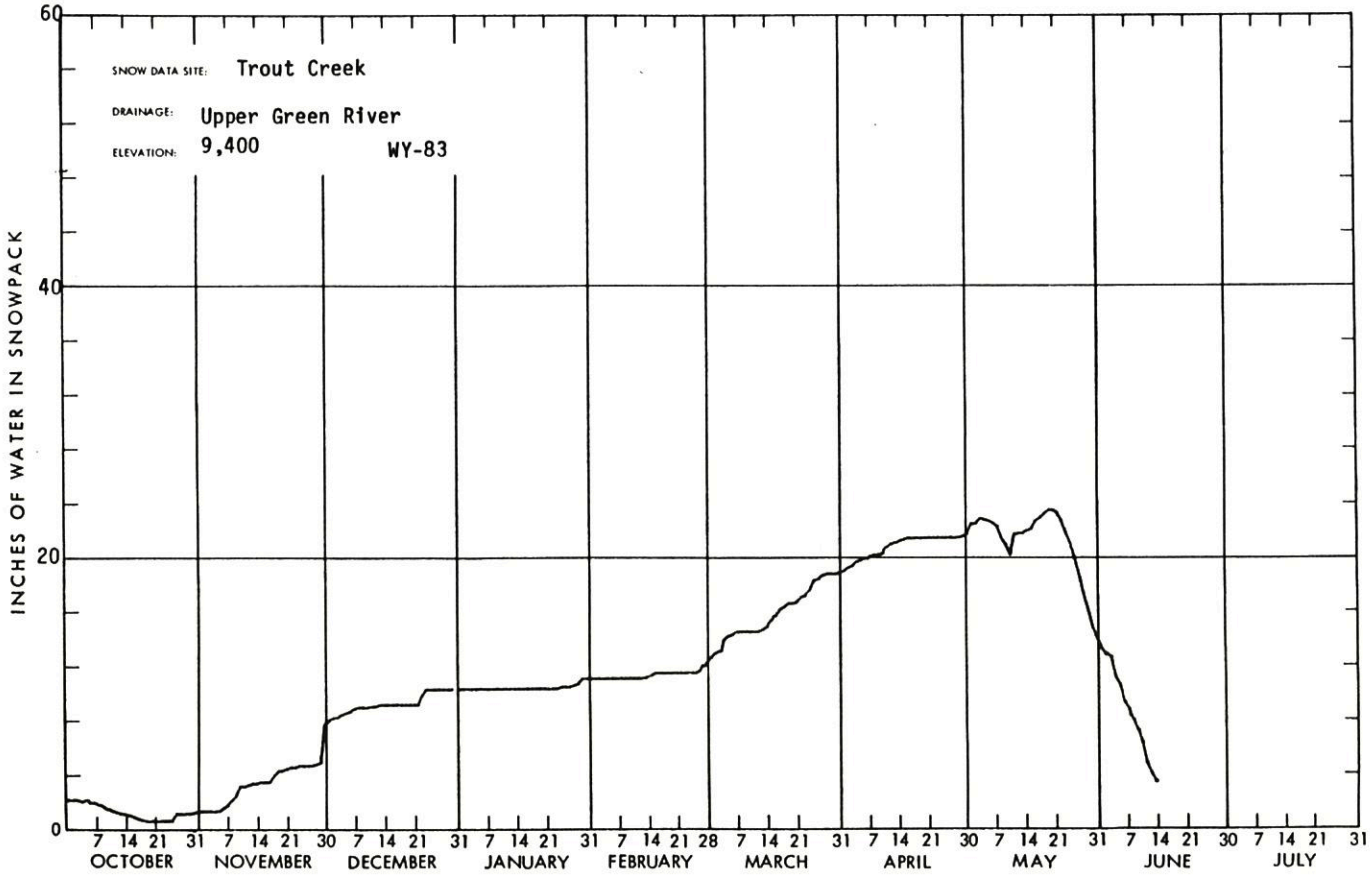

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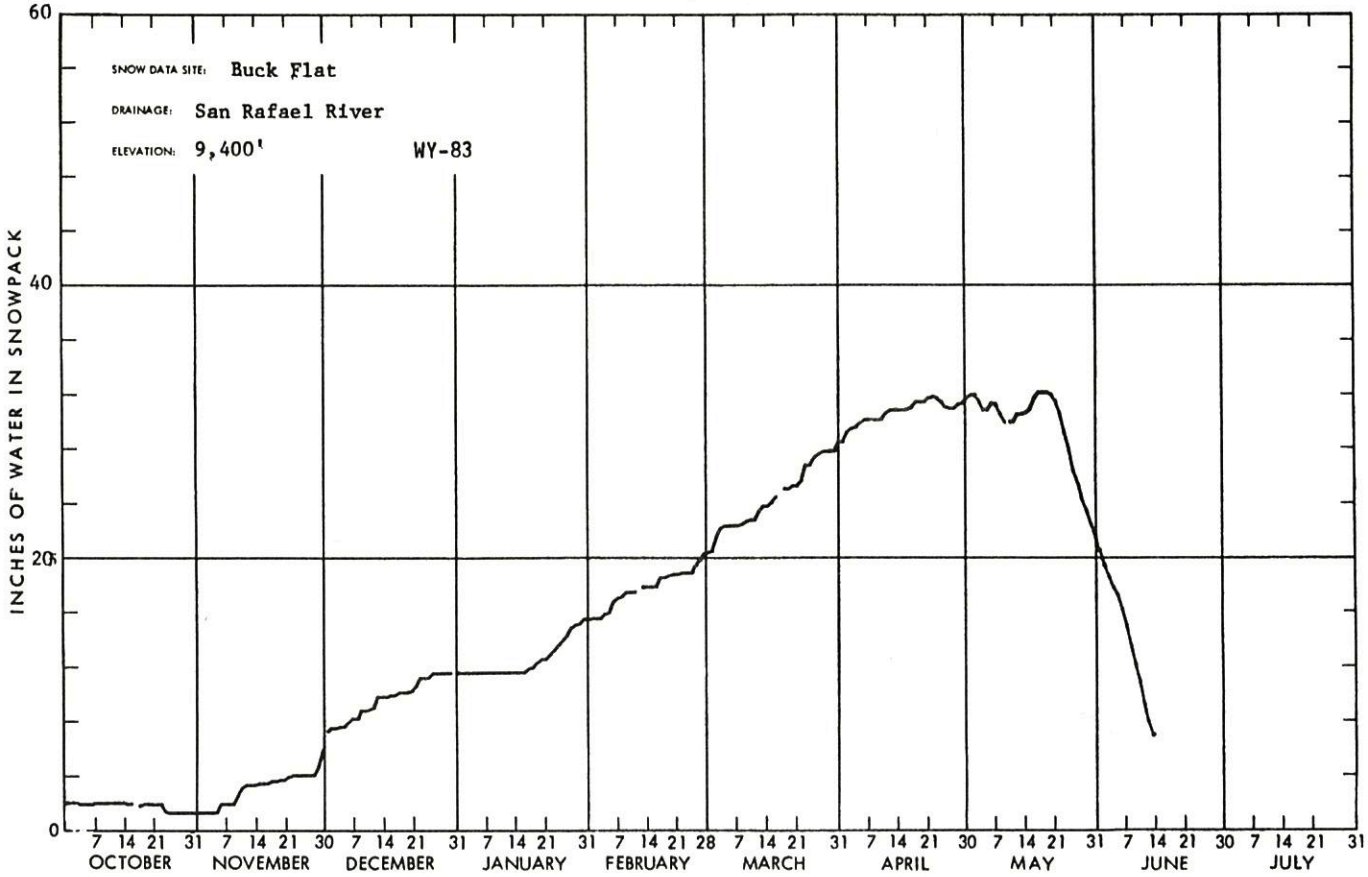

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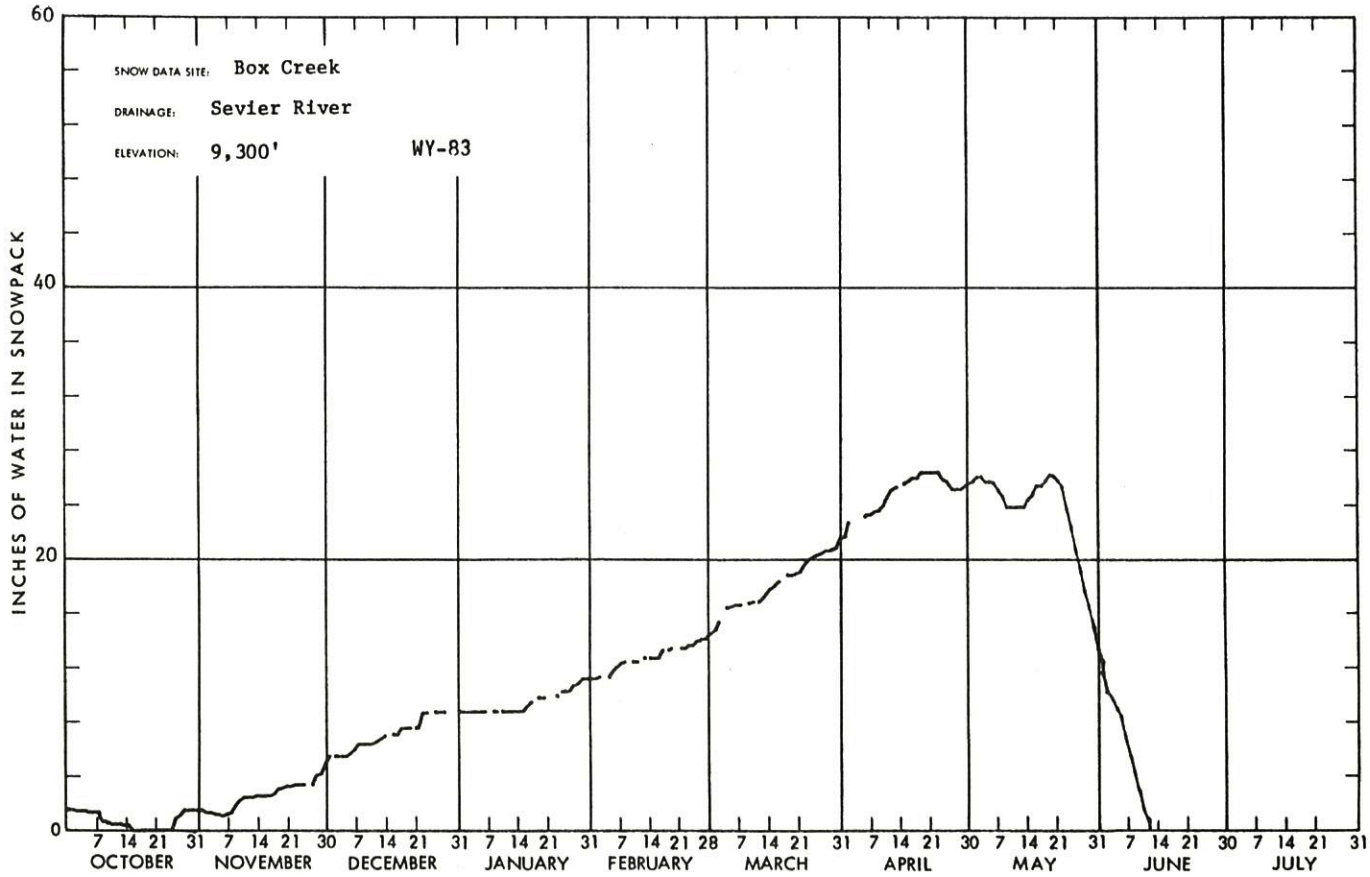

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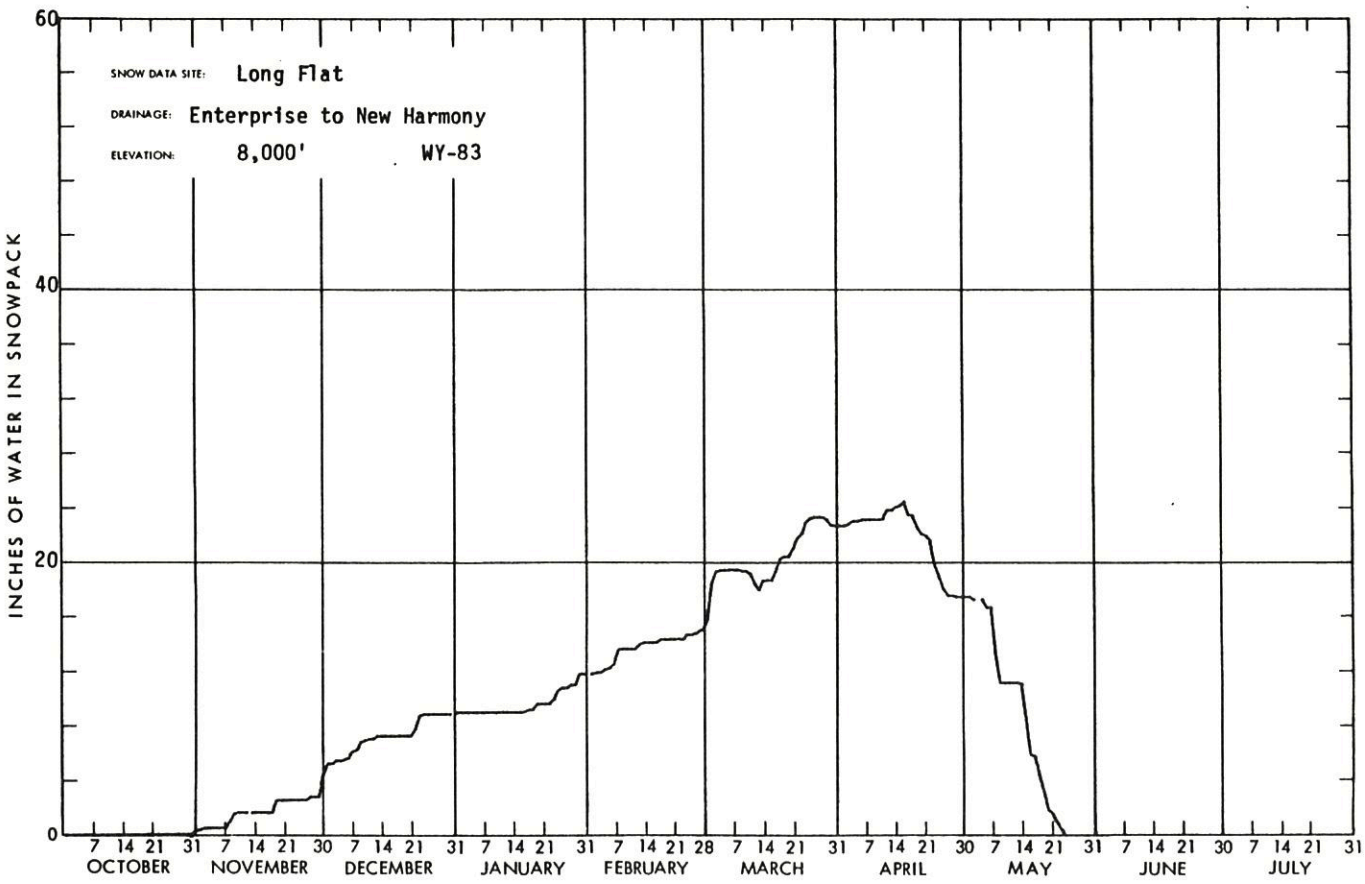
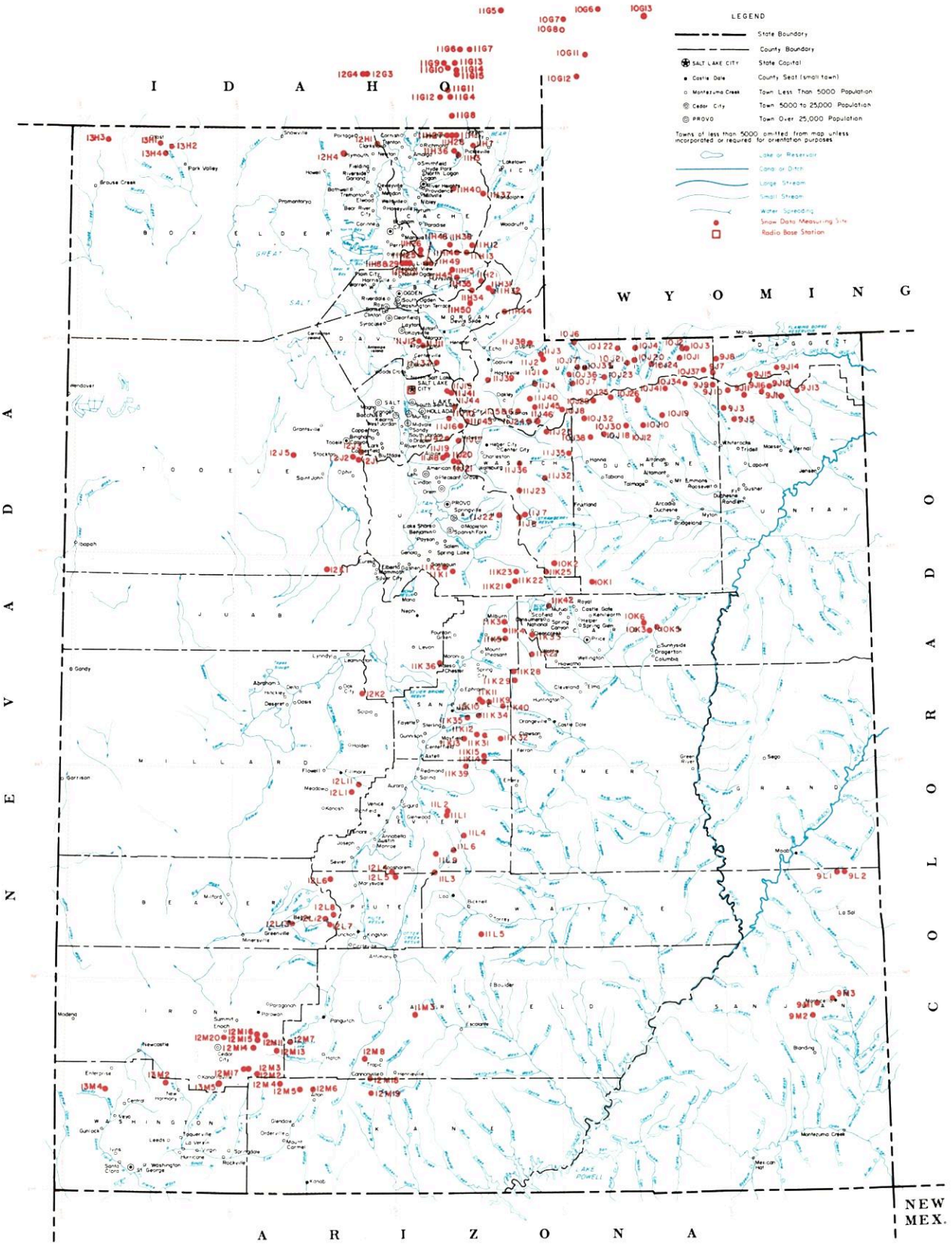

SNOW DATA SITE: Long Flat
DRAINAGE: Enterprise to New Harmony
ELEVATION: 8,000'
WY-83
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USDA SCS PORTLAND, OR 1981 M7-01-72027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
		UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.
10J7PST	Snotel Data Site