

**FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS**



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**JAN. 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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SNOW SURVEY SECTION  
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SALT LAKE CITY, UTAH 84111



# WATER SUPPLY OUTLOOK

as of

JANUARY 1, 1972

\*\*\*\*\*  
\* Utah's Water Supply Outlook is already well above average. \*  
\* Early winter storms and cold weather have produced a heavy \*  
\* accumulation of snow on most watersheds of the State and \*  
\* watershed soils are well primed by above average fall pre- \*  
\* cipitation. Reservoir storage is 154% of the January 1 \*  
\* average on 14 principal reservoirs. \*  
\*\*\*\*\*

Fall storms produced above average precipitation over most of the State. Total precipitation for the three month period, October-December, ranged generally from about 150% of average on the Bear river to better than 200% on the Upper Sevier and Virgin Rivers in southern Utah.

Cold temperatures in the last half of October caused much of this precipitation to accumulate as snow and storms have continued to build a snow pack which now ranges from about 150% of average on Bear river to as high as 250-300% of the January 1, average on the Upper Sevier and Virgin rivers. Many snow courses measured had the highest January 1 water content on record.

Seven radio telemetered data sites are now collecting precipitation, temperature and snow water content at key locations from above Kolob reservoir between Cedar City and St. George to as far north as Horse Ridge above Lost Creek reservoir near Morgan. The information from these data sites is expected to be a real help in adjusting water supply forecasts as the spring progresses. Graphs showing daily radio readings from three of these sites in northern Utah are enclosed in the back of this bulletin.

Additional information is received monthly from the cooperative radio installations operated by Utah Water Research Laboratory at Logan.

Reservoir storage in 14 of Utah's principal reservoirs not included in the Colorado River Storage Project is 154% of the January 1, average for the 1953-67 period. Colorado River storage increased 495,600 acre feet during December and is now 55% of capacity.

Streamflow during the October-December period was above average at key stations in northern and southeastern Utah, but a little below average on the Beaver river.

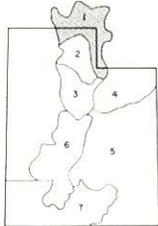


# WATER SUPPLY OUTLOOK

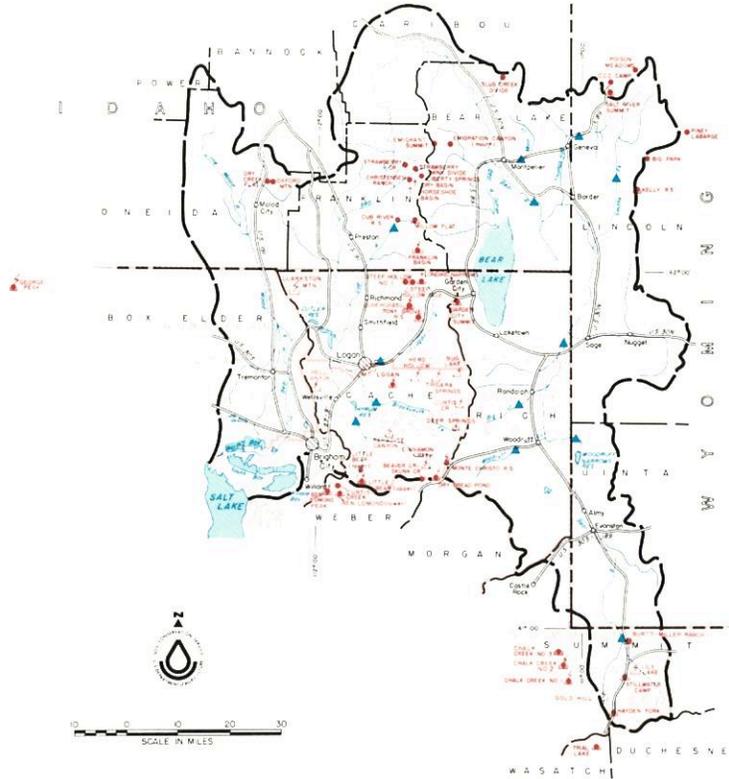
## BEAR RIVER BASIN in UTAH

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 UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

- LEGEND**
- Watershed Boundary
  - U. S. D. Boundary
  - County Boundary
  - Reservoir Point
  - ▲ Snow Gauge
  - Rain Gauge
  - Soil Moisture Station
  - SED Precipitation Gauge
  - Wind Precipitation Gauge
  - Temperature Gauge
  - Snow Sensor
  - Radio Telemetry
  - Radio Base Station
  - Radio Relay Station
  - Snow Sensor with Snow Course



WATERSHED LOCATION



THE WATER SUPPLY OUTLOOK FOR BEAR RIVER BASIN IS VERY GOOD FOR THE 1972 SEASON.

SNOW PACK WATER CONTENT is 150% of the January 1 average in the upper basin above Harer and 146% of average in the lower part of the basin.

FALL PRECIPITATION has been 140 to 200% of average and watershed soils are well primed.

RESERVOIR STORAGE is 133% of the January 1 average for the 1953-67 period in Bear Lake. Woodruff Narrows is full and Hyrum reservoir now holds 10,700 acre ft.

9134-102-1000-1000 (11/71) 107-0-20027-1-L

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Bear River</u>	Bear Lake	1421.0	1122.4	1109.1	845.0
	Woodruff Narrows	26.5	26.5	24.5	- -
<u>Little Bear</u>	Hyrum	15.3	10.7	10.7	9.2
	Porcupine	11.3	3.0	2.2	- -

BEAR RIVER BASIN

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER BEAR RIVER</u> (Above Harer, Idaho)						
Burts-Miller Ranch	7900	12/22	14	3.5	- -	- -
CCC Camp x	7500	12/29	27	6.4	7.9	4.8
Hayden Fork	9400	12/22	23	5.4	- -	- -
Salt River Summit	7900	12/30	37	7.9	10.6	6.2
Smith & Morehouse x	7600	12/28	30	8.4	8.4	4.5b
Stillwater Camp	8550	12/22	23	5.3	- -	- -
Trial Lake x	9800	12/30	68	16.7	19.2	10.8b
 <u>LOWER BEAR RIVER</u> (Below Harer, Idaho)						
Beaver Crk-Skunk Crk	7150	12/29	40	9.4	- -	- -
Cub River R. S.	5400	12/30	25	5.4	- -	- -
Dry Bread Pond x	8230	12/29	48	11.3	- -	- -
Emigrant Summit	7350	12/29	58	14.9	14.5	8.9*
Garden City Summit	7600	12/27	41	9.8	12.2	7.3
Klondike Narrows	7400	12/27	42	9.9	13.0	8.0
Steep Hollow #1	8500	12/27	68	16.6	23.9	- -
Steep Hollow #2	7700	12/27	53	12.7	16.4	- -
Tony Grove R.S.	6250	12/27	25	6.6	6.9	4.0
Willow Flat	6100	12/30	35	9.0	8.2	- -

## BEAR RIVER BASIN

### PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>BEAR RIVER</b>							
Burt's-Miller Ranch	7900	12/22	- -	- -	5.95	- -	- -
Chalk Creek #1 x	9100	1/3	since	10/19	14.26*	- -	- -
Chalk Creek #2 X	8000	1/3	since	10/19	10.55*	- -	- -
Chalk Creek #3 x	7500	12/27	- -	- -	9.57	- -	- -
Dry Bread Pond	8230	12/29	- -	- -	12.89	- -	- -
Garden City Summit	7600	12/27	- -	3.71b	11.39	7.81*	146
Hayden Fork	9300	12/22	- -	- -	13.05	- -	- -
Klondike Narrows	7400	1/3	since	10/26	10.85*	- -	- -
Little Bear (upper)	6850	1/3	- -	- -	18.07*	- -	- -
Monte Cristo	8960	1/3	since	10/22	15.49*	- -	- -
Sagebrush Flat x	6300	12/29	- -	- -	11.19	- -	- -
Salt River Summit	7900	12/30	4.10	2.99b	9.25	6.48*	143
Stillwater Camp	8550	12/22	- -	- -	7.82	- -	- -
Tony Grove R.S. (SCS)	6250	1/3	- -	- -	16.87*	- -	- -
Trial Lake x	9800	12/30	- -	3.94*	18.13	8.95*	203
Willow Flat	6100	12/30	5.90	3.11*	15.09	9.69*	156
Franklin Basin	8000	1/3	- -	- -	16.92*	- -	- -

\* - Radio Readout cooperatively by Utah Water Research Laboratory

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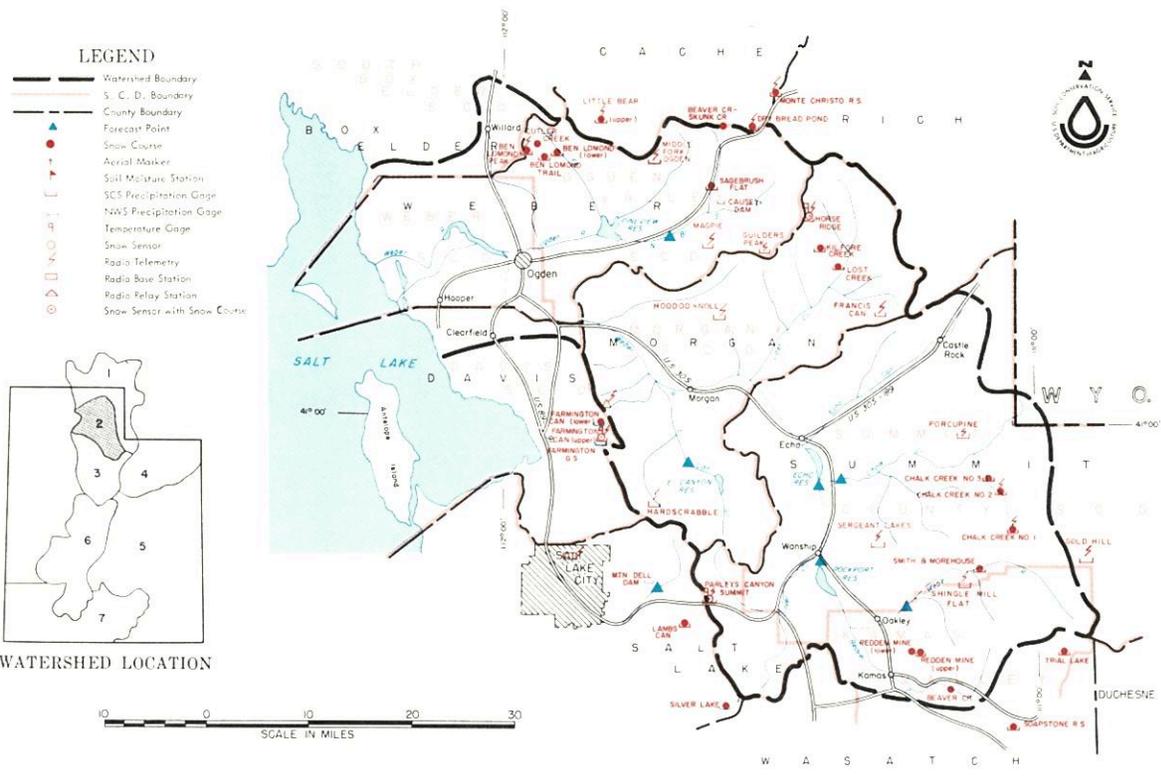
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# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR THE WEBER AND OGDEN RIVERS IS EXCELLENT FOR THE 1972 SEASON.

WATER CONTENT OF THE JANUARY 1 SNOW PACK is 270% of average and 127% of last year at this time on the Ogden River.

WEBER RIVER SNOW COVER is 207% of average and about the same as last year on January 1.

TOTAL PRECIPITATION has been about twice the average for the three month period October thru December and as a result soil moisture is very good.

RESERVOIR STORAGE is generally very good. Pineview is 257% of average, Echo is 195% and Rockport 145% of the 15-year average for January 1.

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**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Ogden</u>	Causey	7.1	3.1	6.5	- -
	Pineview	110.1	64.0	0.5	24.9
<u>Weber</u>	East Canyon	48.1	38.3	38.6	- -
	Echo	73.9	53.8	56.2	27.6
	Lost Creek	20.0	14.7	12.9	--
	Rockport	60.9	37.3	26.4	25.7b
	Willard Bay	193.3	167.7	175.4	- -

WEBER-OGDEN WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Crk.	7150	12/29	40	9.4	- -	- -
Ben Lomond (lower)	6000	12/28	38	12.1	8.9	4.4b
Ben Lomond Peak	8000	12/28	84	25.5	21.1	11.0b
Ben Lomond Trail	6000	12/28	42	13.9	10.2	3.4b
Cutler Creek	6780	12/28	67	20.4	16.6	7.7b
Dry Bread Pond	8230	12/29	48	11.3	- -	- -
Sagebrush Flat	6300	12/29	24	5.5	- -	- -
Monte Cristo R. S.	8960	1/3	-	18.5*	- -	- -
<u>WEBER RIVER</u>						
Beaver Creek R.S.	7500	12/30	25	6.6	5.8	3.3b
Chalk Creek #1	9100	12/27	51	13.1	- -	- -
Chalk Creek #2	7900	12/27	35	9.0	- -	- -
Chalk Creek #3	7500	12/27	22	5.5	- -	- -
Farmington Canyon (lower)	6950	12/28	53	17.6	16.1	7.0
Farmington Canyon (upper)	8000	12/28	80	25.8	23.3	9.2b
Lamb's Canyon #1 x	6600	12/29	39	11.1	11.3	4.7
Lamb's Canyon #2 x	7400	12/29	36	10.8	11.8	- -
Parley's Canyon Smt.	7500	12/29	46	12.6	13.3	6.1b
Reddon Mine (lower)	8500	12/29	51	11.8	- -	- -
Reddon Mine (upper)	9000	12/29	53	12.8	- -	- -
Silver Lake (Brighton)x	8725	12/30	59	15.3	18.2	9.6
Smith & Morehouse	7600	12/28	30	8.4	8.4	4.5b
Trial Lake x	9800	12/30	68	16.7	19.2	10.8b
Park City Summit	9300	1/5	87	17.2**	- -	- -
Horse Ridge	8260	1/5	--	20.7*	15.1	- -
* - Radio reading on snow pillow						
** - Snow pillow reading cooperatively by Park City Resort						

WEBER-OGDEN WATERSHEDS

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond Peak	8000	1/3	since	10/18	28.57**	- -	- -
Ben Lomond (lower)	5850	- -	- -	5.10b	21.18	10.36**	204
Ben Lomond Trail	6000	12/28	- -	6.09b	21.12	10.98**	192
Causey Dam	5500	12/29	- -	3.27	12.42	- -	- -
Dry Bread Pond	8230	12/29	- -	- -	12.89	- -	- -
Francis Canyon	7400	1/3	since	10/20	10.38**	- -	- -
Guilder's Peak	8050	1/3	since	10/15	14.60**	- -	- -
Magpie	7700	1/3	- -	- -	17.45**	- -	- -
Middle Fork Ogden	8420	1/3	since	10/11	19.66**	- -	- -
Monte Cristo	8960	1/3	since	10/22	15.49**	- -	- -
Sagebrush Flat	6300	12/29	- -	- -	11.19	- -	- -
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	1/3	since	10/19	14.26**	- -	- -
Chalk Creek #2	8000	1/3	since	10/19	10.55**	- -	- -
Chalk Creek #3	7500	12/27	- -	- -	9.57	- -	- -
Farmington Guard Sta.	7500	12/28	11.34	5.60	25.62	11.44	224
Farmington Rice	7000	12/28	9.88	5.19	24.12	10.16	237
Hardscrabble	6500	1/3	since	10/15	17.98**	- -	- -
Lamb's #2 x	7400	12/29	- -	- -	14.10	- -	- -
Mt. Dell Dam x	5500	12/30	3.08	2.02	8.90	5.48	162
Parley's Canyon Smt.	7500	12/29	5.50R	3.64	12.50R	8.00	156
Porcupine	8100	1/3	since	10/20	10.39**	- -	- -
Reddon Mine (upper)	9000	12/29	- -	- -	16.19	- -	- -
Silver Lake (Brighton)	8725	12/30	7.78	5.66	18.92	10.05	188
Smith & Morehouse	7600	12/28	- -	3.04b	12.48	6.75**	185
Trial Lake x	9800	12/30	- -	3.94**	18.13	8.95**	203
Sargeant Lakes	8400	1/3	since	10/13	13.57	- -	- -

\* - Radio Readout cooperatively by Utah Water Research Laboratory

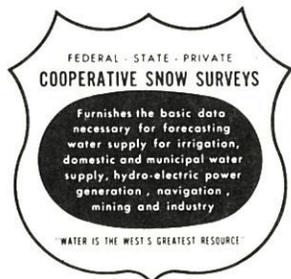
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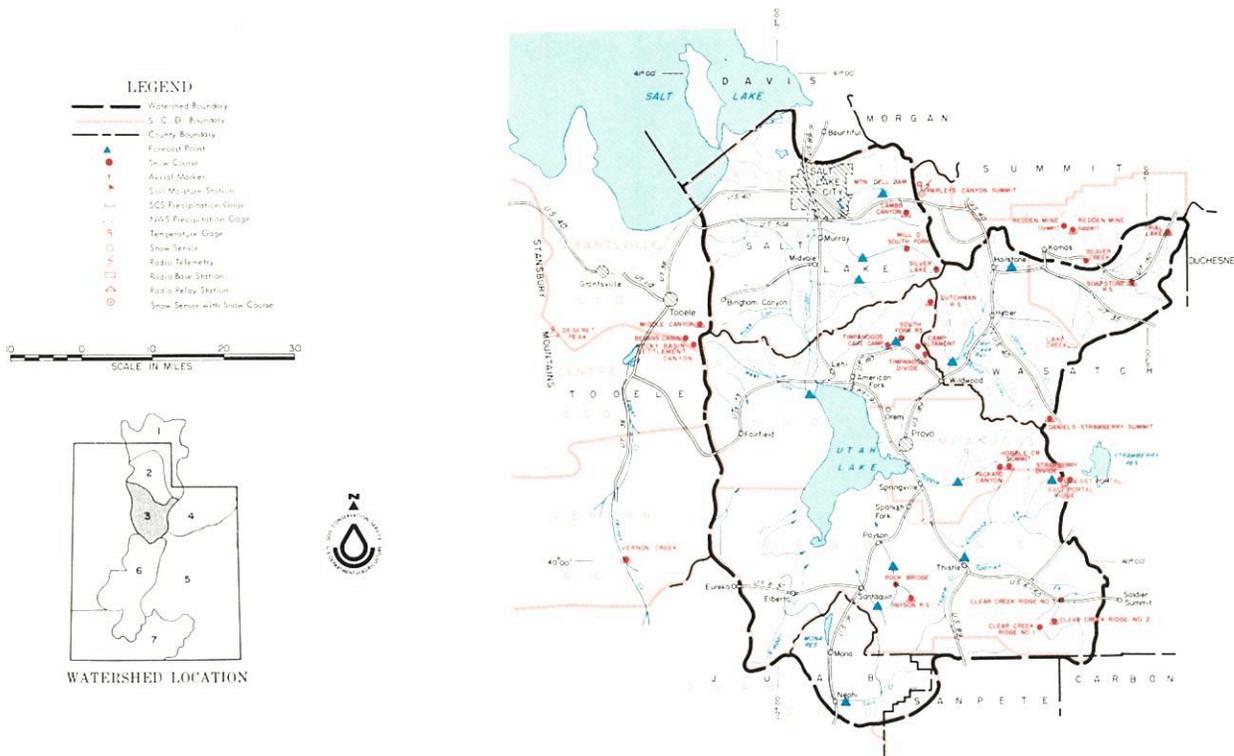


*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS**



THE 1972 WATER SUPPLY OUTLOOK FOR UTAH LAKE AND JORDAN RIVER DRAINAGES IS VERY GOOD.

PRECIPITATION for the three fall months, October-December, ranges from 147% at East Portal to 203% at Trial Lake.

WATERSHED SOIL MOISTURE is very good and is expected to aid spring runoff.

SNOW WATER CONTENT near twice the January 1 average for the 1953-67 period with some individual snow courses ranging from 250 to 300% of the January 1 average.

RESERVOIR STORAGE is very good in both Utah Lake and Strawberry reservoirs. They are 168% and 167% of their January 1 average for the 1953-67 period. Utah Lake is 1/10 foot higher than last January 1st and is now 1.15 feet below compromise. The Great Salt Lake is 2.15 feet higher than last year at this time at 4,197.90 feet above mean sea level.

WATER SUPPLY OUTLOOK, 1972, W7-0-30027-34-L

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Spanish Fork</u>	Strawberry	270.0	192.2	184.2	115.3
<u>Utah Lake</u>	Utah Lake	883.9	790.4	765.3	471.2

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R.S.	7500	12/30	25	6.6	5.8	3.3b
Camp Altamont	7300	12/30	37	11.2	9.2	5.6
Clear Creek Ridge #1	9200	12/28	47	12.0	- -	- -
Clear Creek Ridge #2	8000	12/28	38	8.6	- -	- -
Clear Creek Ridge #3	6600	12/28	15	4.2	- -	- -
Daniels Strawberry Smt.	8000	12/28	44	10.4	10.4	5.0
Dutchman R.S.	7560	1/4	43	14.4	- -	- -
East Portal	7560	12/27	28	8.0	7.0	3.3b
Hobble Creek Summit	7420	12/29	34	9.2	- -	- -
Packard Canyon	6400	12/29	22	6.1	- -	- -
Payson R. S.	8050	12/27	36	10.5	12.5	5.7b
Rock Bridge	6750	12/27	24	8.4	8.0	3.7b
Soapstone	7800	12/30	35	8.3	8.7	4.7b
South Fork R.S.	6100	12/30	9	1.6	3.5	2.4
Strawberry Divide	8000	12/27	46	12.6	12.9	6.2b
Timpanogos Cave Camp	5500	12/30	2	0.2	1.6	0.6b
Timpanogos Divide	8140	12/30	64	19.2	15.3	9.5
Trial Lake	9800	12/30	68	16.7	19.2	10.8b
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Lamb's Canyon #1	6600	12/29	39	11.1	11.3	4.7
Lamb's Canyon #2	7400	12/29	39	10.8	11.8	- -
Middle Canyon - Tooele	7000	12/22	28	8.1	11.0	4.8b
Mill D South Fork	7400	12/30	48	13.4	13.0	6.5b
Parley's Canyon Summit	7500	12/29	46	12.6	13.3	6.1b
Silver Lake	8725	12/30	59	15.3	18.2	9.6
Vernon Creek	7500	12/22	18	4.3	- -	- -

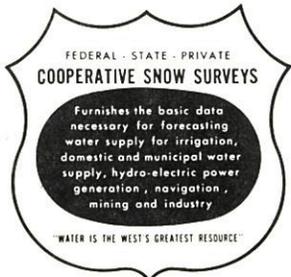
UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	12/28	--	--	10.73	--	--
Daniels-Strawberry Smt.	8000	12/28	--	3.44	13.02	7.51b	173
Dutchman R. S.	7500	1/4	--	--	16.45	--	--
East Portal Ridge	7800	12/27	5.02	3.01	10.87	7.40*	147
Hobble Creek Smt.	7300	12/29	--	--	13.02	--	--
Payson R. S.	8050	12/27	--	2.98b	11.38	7.03b	162
Soapstone R. S.	7800	12/30	--	3.14b	10.69	6.28*	170
Timpanogos Divide	8200	12/30	--	5.11	20.25	10.84	187
Trial Lake	9800	12/30	--	3.94*	18.13	8.95*	203
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>							
Lamb's Cyn. #2	7400	12/29	--	--	14.10	--	--
Middle Canyon	7000	12/22	--	2.35b	--	7.20*	--
Mt. Dell Dam	5500	12/30	3.08	2.02	8.90	5.48	162
Parley's Canyon Smt.	7500	12/29	5.50R	3.64b	12.50R	8.00*	156
Silver Lake (Brighton)	8725	12/30	7.78	5.66	18.92	10.05	188
Vernon Creek	7500	12/22	--	--	9.55	--	--
R - Radio Reading							

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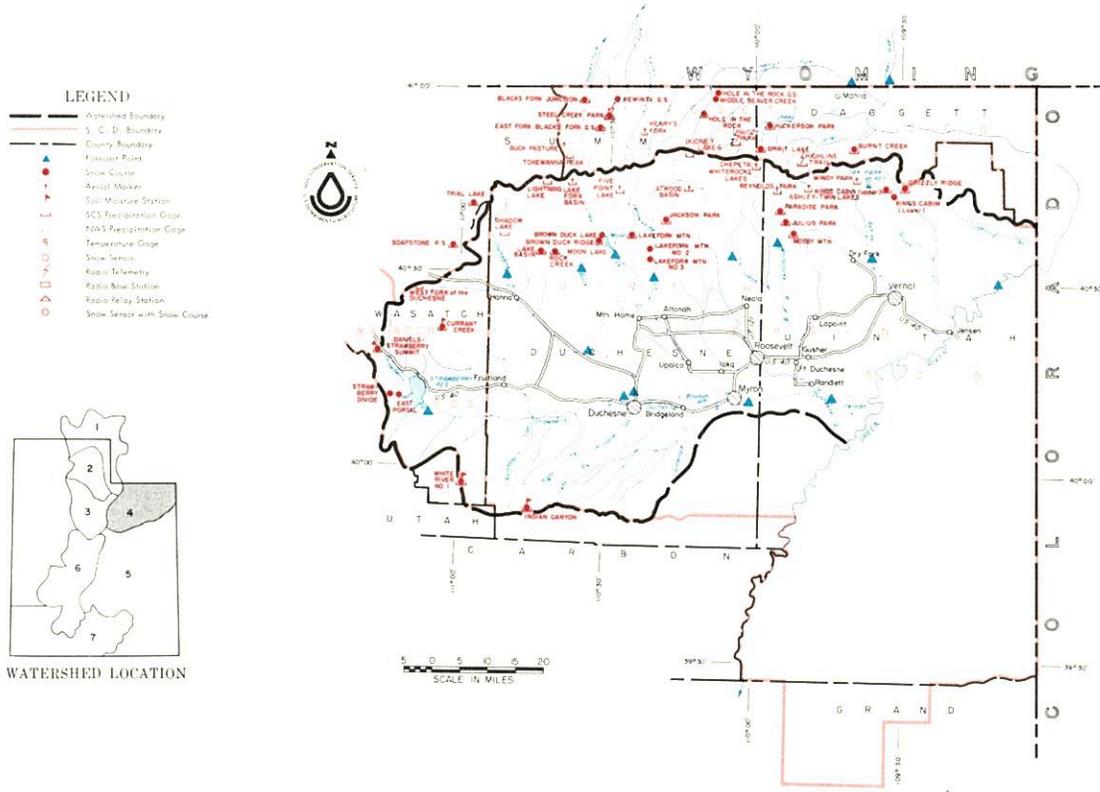
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*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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 UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR UINTAH AND DAGGETT SCD's IS VERY GOOD FOR THE 1972 SEASON.

MOUNTAIN PRECIPITATION for the fall period, October-December, ranged from 130 to 200% of average for the 1953-67 period.

WATERSHED SOILS are well primed by fall moisture and will aid spring stream-flow production.

SNOW COVER is well above average for January 1 with the Indian Canyon snow water content the highest measured since the record began in 1936. Uintah basin snow water content averages 189% of the January 1 fifteen year average and 8% above last year at this time.

RESERVOIR STORAGE in Steinaker is 181% of the January 1, average and 27% above last year at this time. Moon Lake is 105% of average and 150% of last January 1. Starvation is now 82% of useable capacity and Flaming Gorge is 154% of last year on January 1.

WATER RESOURCES DIVISION, U.S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. 20250

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Ashley Creek</u>	Steinaker	33.3	26.1	20.4	14.4b
<u>Green River</u>	Flaming Gorge	3749.0	2705.0	1761.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	13.2	8.8	12.6
<u>Strawberry</u>	Starvation	165.3	135.1	105.2	- -

UINTAH BASIN & DAGGETT SCD's

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Currant Creek	7800	12/29	46	8.7	- -	- -
Daniels-Strawberry Smt. x	8000	12/28	44	10.4	10.4	5.0
East Portal x	7560	12/27	28	8.0	7.0	3.3b
Grizzly Ridge	8500	12/21	23	5.0	7.1	- -
Indian Canyon	9100	12/28	48	12.4	5.9	4.6
Julius Park	9800	12/23	40	9.8	7.6	5.3b
King's Cabin (lower)	8600	12/21	22	5.3	- -	- -
King's Cabin (upper)	8730	12/21	27	6.8	- -	- -
Lake Basin	10800	12/20	26	7.5	- -	- -
Lakefork Mountain	10200	12/28	45	9.1	- -	- -
Lakefork Mountain #2	8900	12/28	41	8.6	- -	- -
Lakefork Mountain #3	8100	12/28	33	6.1	- -	- -
Mosby Mountain	9500	12/23	28	6.0	6.6	4.2b
Paradise Park	10100	12/23	36	9.4	8.0	5.3b
Rock Creek	7900	12/20	17	3.6	- -	- -
Soapstone R.S. x	7800	12/30	35	8.3	8.7	4.7b
Strawberry Divide x	8000	12/27	46	12.6	12.9	6.2b
Trial Lake	9800	12/30	68	16.7	19.2	10.8b
White River #1 x	8550	12/27	37	8.3	- -	- -
Brown Duck Ridge	10800	12/21	37	9.2	- -	- -
<u>DAGGETT SCD</u>						
Black's Fork Jct	8925	12/21	25	5.5	- -	- -
Burnt Creek	7900	12/22	17	3.4	3.6	- -
East Fk. Black's Fk. G.S.	9300	12/21	23	5.5	- -	- -
Hewinta Guard Station	9500	12/21	24	5.3	- -	- -
Hickerson Park	9100	12/21	18	4.6	- -	- -
Spirit Lake	10300	12/21	32	8.9	- -	- -
Steel Creek Park	9900	12/21	35	8.9	- -	- -

UINTAH BASIN & DAGGETT SCD

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Brown Duck Ridge	10800	12/21	- -	- -	8.48	- -	- -
Currant Creek	7800	12/29	- -	- -	11.03	- -	- -
Daniels-Strawberry Smt.x	8000	12/28	- -	3.44b	13.02	7.51b	173
East Portal Ridge x	7800	12/27	5.02	3.01	10.87	7.40*	147
Grizzly Ridge	8500	12/21	- -	- -	9.90	- -	- -
Indian Canyon	9100	12/28	- -	2.39b	13.23	6.82b	194
Julius Park	9800	12/23	3.19	1.87*	11.02	5.75*	192
King's Cabin (upper)	8730	12/21	- -	- -	8.97	- -	- -
Lake Basin	10800	12/20	- -	- -	7.60	- -	- -
Lakefork Mountain	10500	12/28	- -	- -	11.28	- -	- -
Moon Lake	8150	12/30	3.50	1.22	8.20	6.27	131
Mosby Mountain	9500	12/23	1.85	- -	9.10	- -	- -
Paradise Park	10100	12/23	2.40	2.32*	11.85	6.06*	196
Rock Creek	7900	12/20	- -	- -	6.41	- -	- -
Soapstone R. S. x	7800	12/30	- -	3.14b	10.69	6.28*	170
Trial Lake x	9800	12/30	- -	3.94*	18.13	8.95*	203
White River #1 x	8600	12/27	- -	- -	8.95	- -	- -
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	12/21	- -	- -	7.42	- -	- -
Burnt Creek	7900	12/22	- -	- -	8.44	- -	- -
E.Fk. Black's Fk.G.S.	9300	12/21	- -	- -	7.33	- -	- -
Hewinta Guard Station	9500	12/21	- -	- -	7.88	- -	- -
Hickerson Park	9100	12/21	- -	- -	6.40	- -	- -
Spirit Lake	10300	12/21	- -	- -	10.89	- -	- -
Steel Creek Park	9900	1/3	- -	- -	10.21*	- -	- -
* - Radio Readout cooperatively by Utah Water Research Laboratory							

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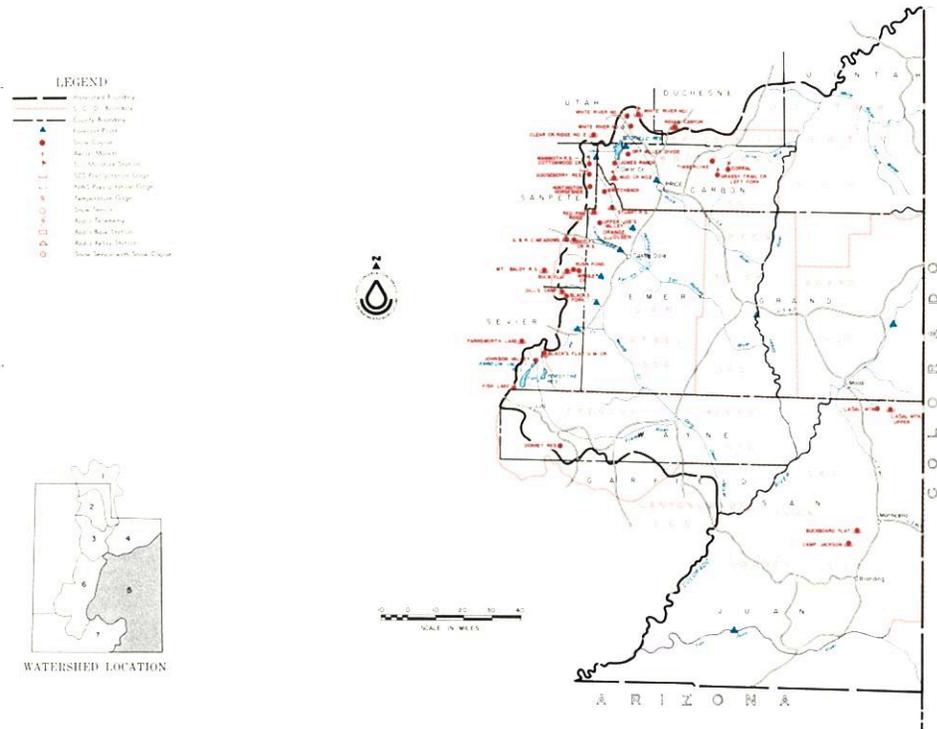


"The Conservation of Water begins with the Snow Survey"

# 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-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR SOUTHEASTERN UTAH IS VERY GOOD.

MOUNTAIN PRECIPITATION for the three fall months, October-December, ranged from near average on the Upper Price river to almost double average at Indian Canyon.

WATERSHED SOILS are well primed over most of the area.

SNOW PACK WATER CONTENT is over twice the January 1 average for the 15-year period 1953-67. Mammoth Ranger Station snow measurement had the highest January 1 water content in 12 years of record.

RESERVOIR STORAGE at Scofield and Joe's Valley reservoirs is about the same as last year at this time, and Scofield has about twice the average January 1 storage. Navajo reservoir on the San Juan river is 94% of last year's January 1 storage.

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Price River</u>	Scofield	65.8	38.6	39.8	19.4
<u>San Rafael</u>	Joe's Valley	54.6	37.3	37.8	- -
<u>San Juan</u>	Navajo	1696.4	991.3	1049.3	- -

CARBON, EMERY, WAYNE, GRAND & SAN JUAN

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	12/29	30	7.0	7.4	3.3b
Gooseberry Reservoir	8700	12/28	37	12.12	11.9	6.0b
Indian Canyon x	9100	12/28	48	12.4	5.9	4.6
Jones Ranch	7600	12/29	15	4.4	5.6	1.8
Mammoth R.S.-Ctnwd. Crk.	8800	12/28	42	13.6	12.6	6.1b
Mud Creek #2	8300	12/29	35	9.9	8.9	4.5*
White River #1	8550	12/27	37	8.3	- -	- -
White River #2	7600	12/27	20	5.0	- -	- -
White River #3	7400	12/27	15	4.4	- -	- -
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	12/27	39	10.6	- -	- -
G.B.R.C. Meadows	10000	12/30	54	15.7	16.5	8.4b
Gooseberry Reservoir x	8700	12/28	37	12.2	11.9	6.0b
Mammoth R. S.-Ctnwd. Crk x	8800	12/28	42	13.6	12.6	6.1b
Orange Olsen	7300	12/29	17	3.7	- -	- -
Red Pine Ridge	9400	12/29	45	10.7	- -	- -
Rush Pond	9800	12/27	38	8.3	- -	- -
Stuart R. S.	7950	12/30	25	5.3	- -	- -
Switchback	8600	12/30	42	10.0	- -	- -
Upper Joe's Valley	8900	12/29	33	6.7	- -	- -
Wrigley Creek	9000	12/27	34	7.1	- -	- -
<u>MUDDY &amp; FREMONT RIVERS</u>						
Black's Flat-U.M. Creek	9250	12/28	35	7.7	- -	- -
Black.s Fork	9200	12/28	36	9.4	- -	- -
Dill's Camp	9200	12/28	38	8.6	- -	- -
Farnsworth Lake x	9900	12/29	41	12.7	12.2	6.0b
Fish Lake	8700					
Johnson Valley	8850	12/29	21	5.3	- -	- -
Mt. Baldy R.S. x	9500	12/27	49	14.4	15.5	7.2b
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	12/21	35	10.0	- -	- -
Camp Jackson	8600	12/21	32	8.6	- -	- -
LaSal Mountain	8800	12/20	27	6.2	- -	- -
LaSal Mountain (upper)	9400	12/20	41	10.8	- -	- -

CARTON, EMERY, WAYNE, GRAND & SAN JUAN

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	12/28	- -	- -	10.73	- -	- -
Gooseberry Reservoir	8700	12/28	- -	3.46b	12.45	6.98*	178
Indian Canyon	9100	12/28	- -	2.39b	13.23	6.82b	194
Mammoth R. S. #2	8600	12/28	- -	3.47b	11.05	7.61*	145
Mud Creek	8300	12/29	- -	2.62*	6.40	6.27*	102
White River #1	8600	12/27	- -	- -	8.95	- -	- -
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	12/27	- -	- -	11.25	- -	- -
G.B.R.C. Meadows x	10000	12/30	6.00	3.51b	14.90	8.53	175
Gooseberry Reservoir x	8700	12/28	- -	3.46b	12.45	6.98*	178
Orange Olsen	7300	12/29	- -	- -	6.75	- -	- -
Red Pine Ridge	9400	12/29	- -	- -	12.75	- -	- -
Stuart R. S.	7950	12/30	- -	- -	8.90	- -	- -
<u>FREMONT &amp; MUDDY RIVERS</u>							
Dill's Camp	9200	12/28	- -	- -	9.70	- -	- -
Black's Flat-U.M. Crk.	9250	12/28	- -	- -	8.49	- -	- -
Farnsworth Lake x	9900	12/29	4.54	2.86b	12.80	6.91b	185
Fish Lake	8700	12/29	- -	- -	7.04	- -	- -
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14	184
Mt. Baldy R.S. x	9500	12/27	- -	2.26*	12.15	7.17*	169
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	12/21	- -	- -	15.80	- -	- -
Camp Jackson	8600	12/21	- -	- -	12.48	- -	- -
LaSal Mountain (upper)	9600	12/20	- -	- -	12.05	- -	- -

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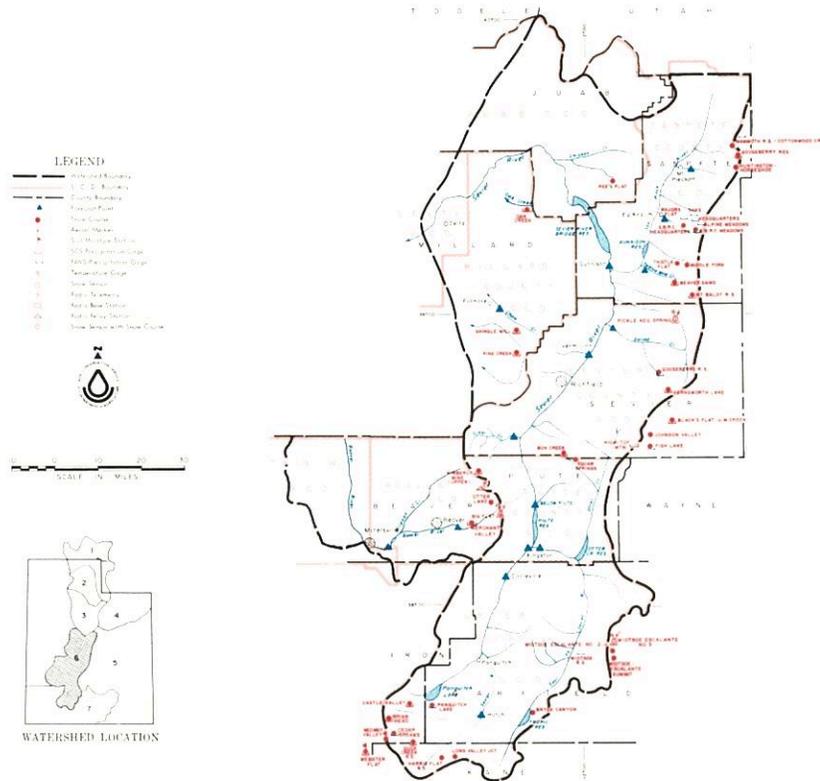


*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR THE SEVIER BASIN IS VERY GOOD AND GOOD FOR BEAVER RIVER.

MOUNTAIN PRECIPITATION for the fall months, October-December, has been 150 to 200% of the 15-year average 1953-67.

WATERSHED SOIL MOISTURE is very good and is expected to aid spring snow melt runoff.

SNOW COVER over the upper reaches of the basin is still better than double the average January 1 water contents. Several snow courses show the highest water content readings since the January 1st measurements began.

RESERVOIR STORAGE is very good on the Sevier. Storage in Otter Creek, Piute and Sevier Bridge is 227% of average for January 1. Minersville reservoir on the Beaver is 164% of average but 1600 acre feet less than last January 1st. Upper Sevier reservoirs received good inflow from a low elevation rain and snow melt about Christmas time.

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Sevier River</u>	Gunnison	18.2	10.8	15.1	- -
	Otter Creek	52.5	25.1	36.6	15.5
	Piute	71.8	44.5	32.6	21.8
	Sevier Bridge	236.0	140.6	176.9	55.4
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	12.0	13.6	7.3

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>						
Big Flat x	10290	12/27	43	10.5	- -	- -
Box Creek	9800	1/4	38	8.4	- -	- -
Bryce Canyon	8000	12/30	16	2.8	3.2	1.4b
Castle Valley	9700	1/3	50	14.4	- -	- -
Duck Creek R.S.	8700	12/27	41	11.0	9.0	3.9b
Fish Lake	8700	1/5	23	5.5	- -	--
Harris Flat R.S.	7700	12/27	10	3.3	7.1	2.0b
Kimberly Mine	9300	12/27	35	9.7	9.0	3.8b
Long Valley Jct. x	7500	12/27	1	0.1	5.4	0.6b
Midway Valley	9800	12/29	73	20.0	12.6	7.5b
Panguitch Lake	8200	1/3	15	3.6	- -	- -
Squaw Springs	9300	1/4	25	6.8	- -	- -
Widtsoe-Escalante Smt. x	9500	12/29	31	5.5	4.1	2.6
Widtsoe-Escalante #2 x	9500	12/29	39	8.0	4.2	3.7
Widtsoe-Escalante #3 x	9500	12/29	49	11.3	5.4	4.5b
<u>LOWER SEVIER RIVER (Including San Pitch)</u>						
Beaver Dams	8000	12/27	19	6.0	6.3	3.5b
Farnsworth Lake	9900	12/29	41	12.7	12.2	6.0b
G.B.R.C. Headquarters	8700	12/30	34	9.3	10.8	5.5b
G.B.R.C. Meadows	10000	12/30	54	15.7	16.5	8.4b
Gooseberry R.S.	8400	12/29	25	7.2	8.4	3.7b
Gooseberry Reservoir x	8700	12/28	37	12.2	11.9	6.0b
Mammoth R.S.-Ctnwd. Crk.	8800	12/28	42	13.6	12.6	6.1b
Mt. Baldy R.S.	9500	12/27	49	14.4	15.5	7.2b
Oak Creek	7760	not Measured				
Pine Creek	8700	1/3	45	9.3	- -	- -
Shingle Mill	6200	1/3	27	6.3	4.9	- -
<u>BEAVER RIVER</u>						
Big Flat	10290	12/27	43	10.5	11.5	- -
Merchant Valley	8200	12/27	19	5.3	6.0	- -
Otter Lake	9300	12/27	38	9.1	9.9	- -
Farview	8825	12/30	31	5.7	- -	- -
Rainbow Point	9100	12/30	27	6.5	- -	- -

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Beaver Dams	8000	12/27	- -	- -	9.65	- -	- -
Big Flat x	10290	12/27	- -	- -	9.73	- -	- -
Box Creek	9800	1/4	- -	- -	10.55	- -	- -
Castle Valley	9700	1/3	- -	- -	10.96	- -	- -
Duck Creek R. S.	8560	12/27	- -	2.53*	14.86	7.65*	194
Farnsworth Lake	9900	12/29	4.54	2.86b	12.80	6.91b	185
Fish Lake	8700	12/29	- -	- -	7.04	- -	- -
G.B.R.C. Headquarters	8700	12/30	4.64	2.83	11.77	7.28	162
G.B.R.C. Meadows	10000	12/30	6.00	3.51b	14.90	8.53b	175
G.B.R.C. Oaks	7655	12/30	2.93	1.94	8.05	4.97	162
Gooseberry R. S.	7800	12/29	3.39	1.91b	9.31	4.78*	195
Gooseberry Reservoir x	8700	12/28	- -	3.46b	12.45	6.98*	178
Kimberly Mine	8900	12/27	- -	2.96*	9.68	6.88*	141
Mammoth R. S. #2 x	8600	12/28	- -	3.74b	11.05	7.61*	145
Mt. Baldy	9500	12/27	- -	2.26*	12.15	7.17*	169
Panguitch Lake	8200	1/3	- -	- -	8.82	- -	- -
Pine Creek	8700	1/3	- -	- -	15.77	- -	- -
Shingle Mill	6200	1/3	- -	1.74*	11.20	5.86*	191
Webster Flat x	9200	12/29	- -	3.65b	16.25	7.64b	213
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14b	184
Widtsoe R. S.	7600	12/29	- -	0.61	5.07	2.49	204
Midway Valley	9800	12/29	- -	- -	15.46	- -	- -
Beaver Canyon P.H.	7275	12/31	2.83	1.34	7.13	3.55	201
Big Flat	10290	12/27	- -	- -	9.73	- -	---
Merchant's Valley	8650	12/27	- -	- -	8.37	- -	---

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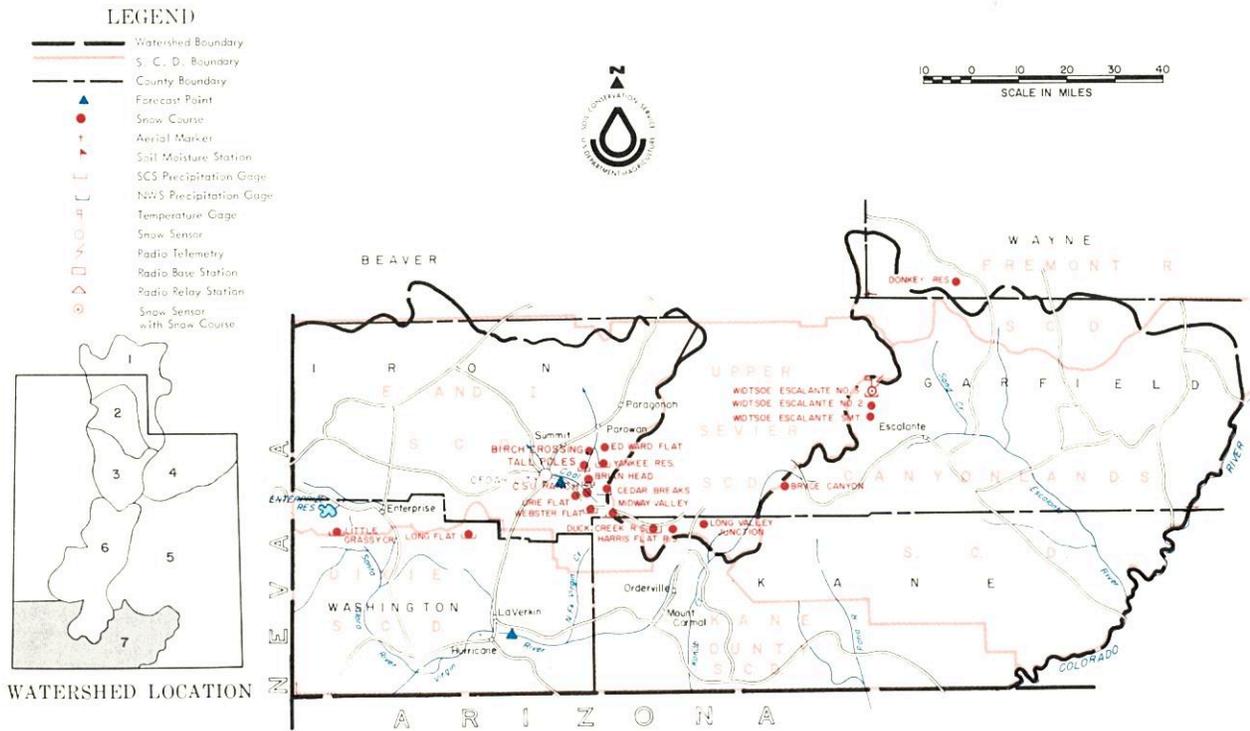
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# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

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



THE WATER SUPPLY OUTLOOK FOR SOUTHERN UTAH IS VERY GOOD FOR THE 1972 SEASON.

MOUNTAIN PRECIPITATION for the October-December fall period was about double the 15-year average (1953-67)

WATERSHED SOILS are well primed for future runoff and already helped produce good flows on the Virgin and Upper Sevier during a Christmas thaw.

SNOW COVER remaining on the watersheds is still 200 to 300% of the January 1 fifteen year average. Widdsoe-Escalante #3 and Urie Flat courses showed more water content than any January 1 since the records began.

RESERVOIR STORAGE in Lake Powell is now 8% higher than last year at this time and 52% of useable capacity.

WATER SUPPLY OUTLOOK FOR SOUTHERN UTAH 1972 M7-0-22027-7-L

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Colorado</u>	Lake Powe11	25002.0	13117.0	12129.0	- -

EAST GARFIELD, KANE, WASHINGTON & IRON

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	12/29	31	5.5	4.1	2.6
Widtsoe-Escalante #2	9500	12/29	39	8.0	4.2	3.7
Widtsoe-Escalante #3	9500	12/29	49	11.3	5.4	4.5b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	12/30	16	2.8	3.2	1.4b
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	12/29	26	6.6	6.7	- -
Duck Creek R.S.	8700	12/27	41	11.0	9.0	3.9b
Harris Flat x	7700	12/27	10	3.3	7.1	2.0b
Long Valley Jct.	7500	12/27	1	0.1	5.4	0.6b
Midway Valley x	9800	12/29	73	20.0	12.6	7.5b
Urie Flat	8450	12/29	25	7.2	6.5	1.8b
Webster Flat	9200	12/29	55	14.1	11.6	4.7b
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	12/28	22	5.6	3.2	- -
Brian Head	10000	12/28	71	16.8	11.1	- -
Ed Ward Flat	8300	12/28	28	6.6	- -	- -
Tall Poles	8800	12/28	47	11.8	7.2	- -
Yankee Reservoir	8700	12/28	36	8.0	- -	- -
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	12/30	6	0.9	- -	- -
Long Flat	8000	12/30	18	4.8	- -	- -

EAST GARFIELD, KANE, WASHINGTON & IRON

**PRECIPITATION (Inches)**

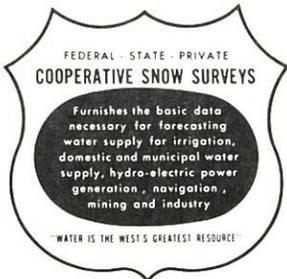
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14b	184
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8560	12/27	- -	2.53*	14.86	7.65*	194
Webster Flat	9200	12/29	- -	3.65b	16.25	7.64b	213
<u>COAL CREEK</u>							
Webster Flat x	9200	12/29	- -	3.65b	16.25	7.64b	213
<u>PAROWAN CREEK</u>							
Tall Poles	8800	12/28	- -	- -	12.99	- -	- -
Yankee Reservoir	8700	12/28	- -	- -	9.27	- -	- -
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	12/30	- -	- -	11.90	- -	- -
Long Flat	8000	12/30	- -	- -	9.67	- -	- -

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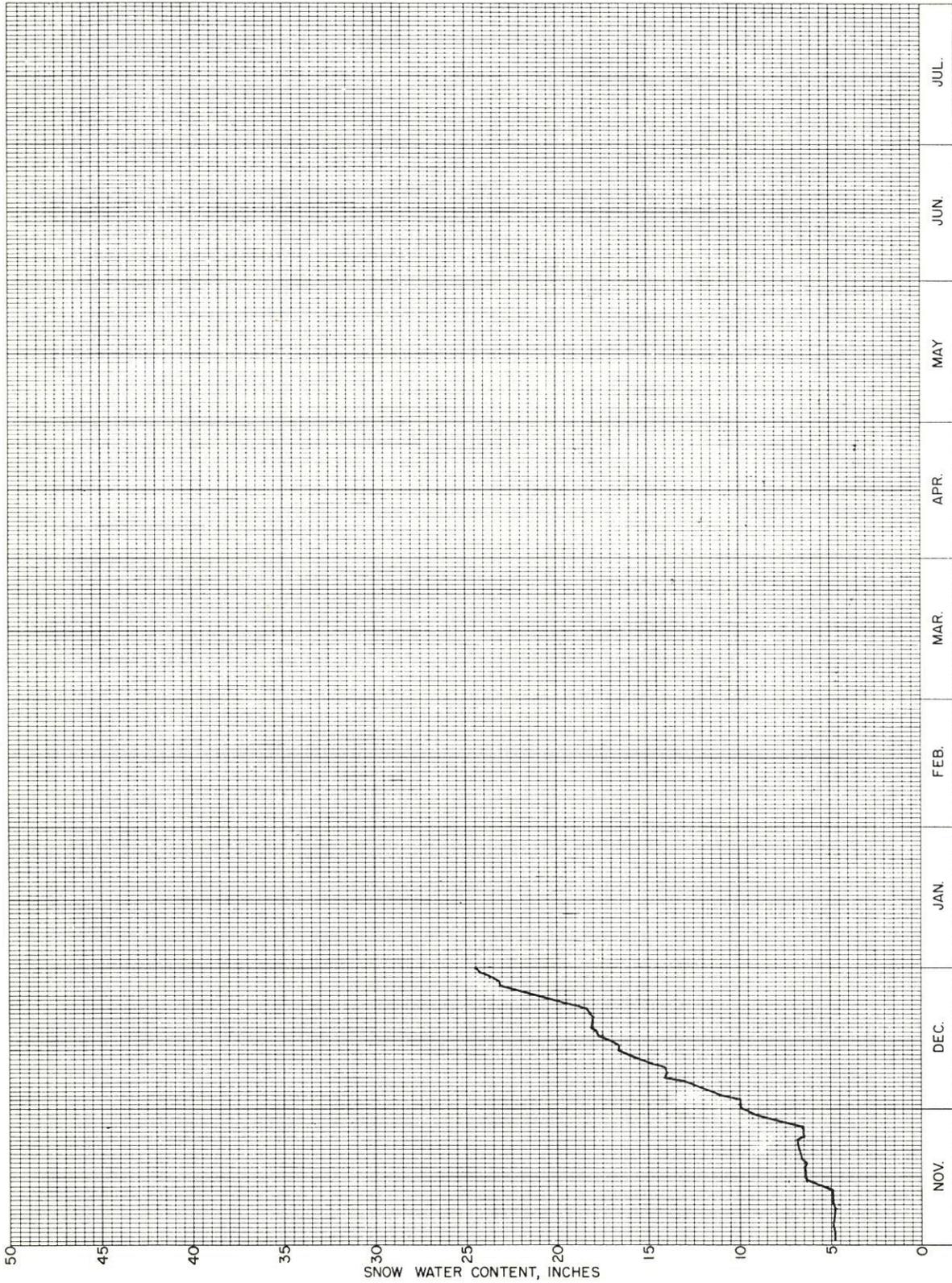


*"The Conservation of Water begins with the Snow Survey"*

FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

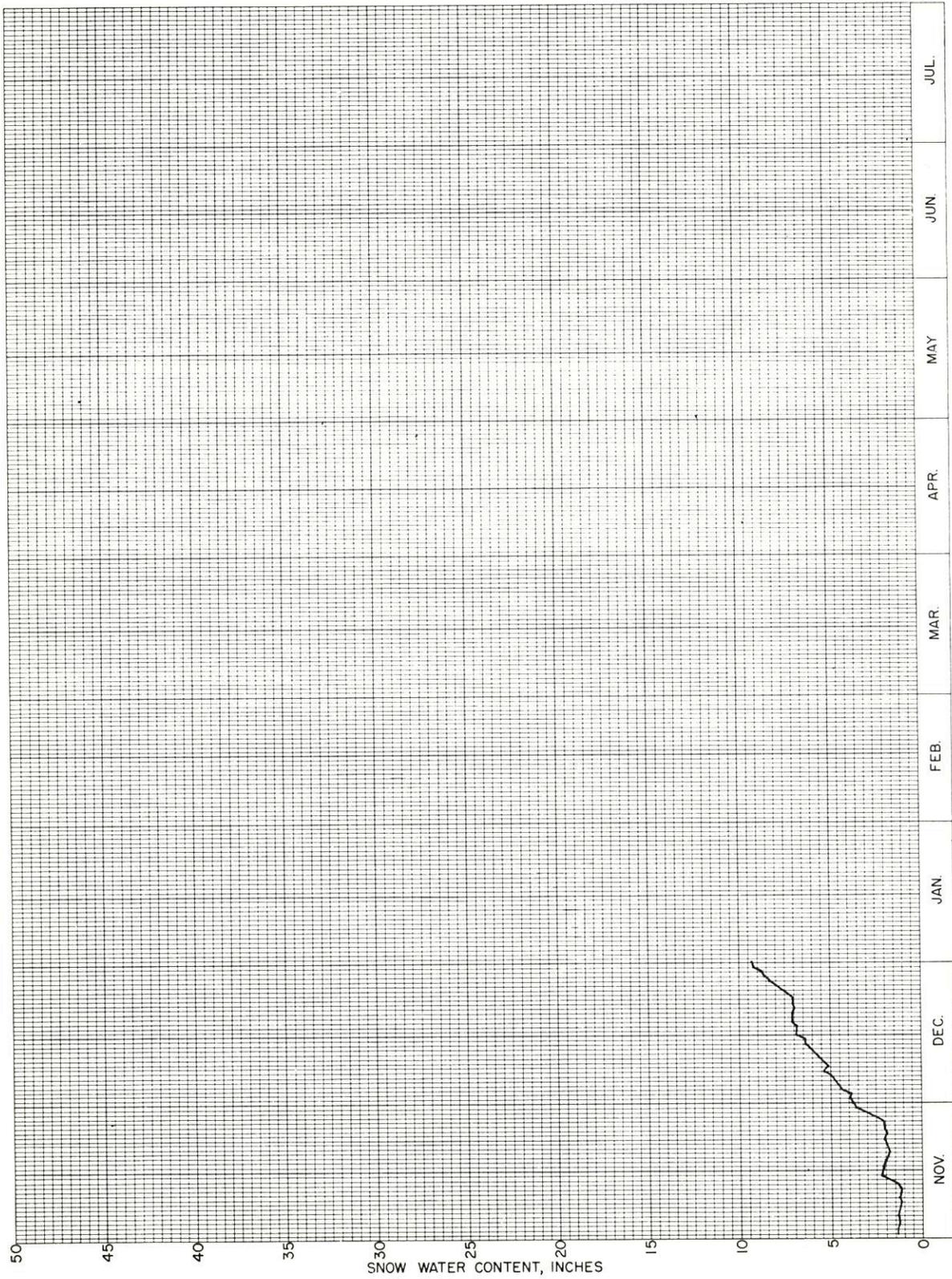
No. 11J11 Elev. 8000 Drainage: Farmington Creek



PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

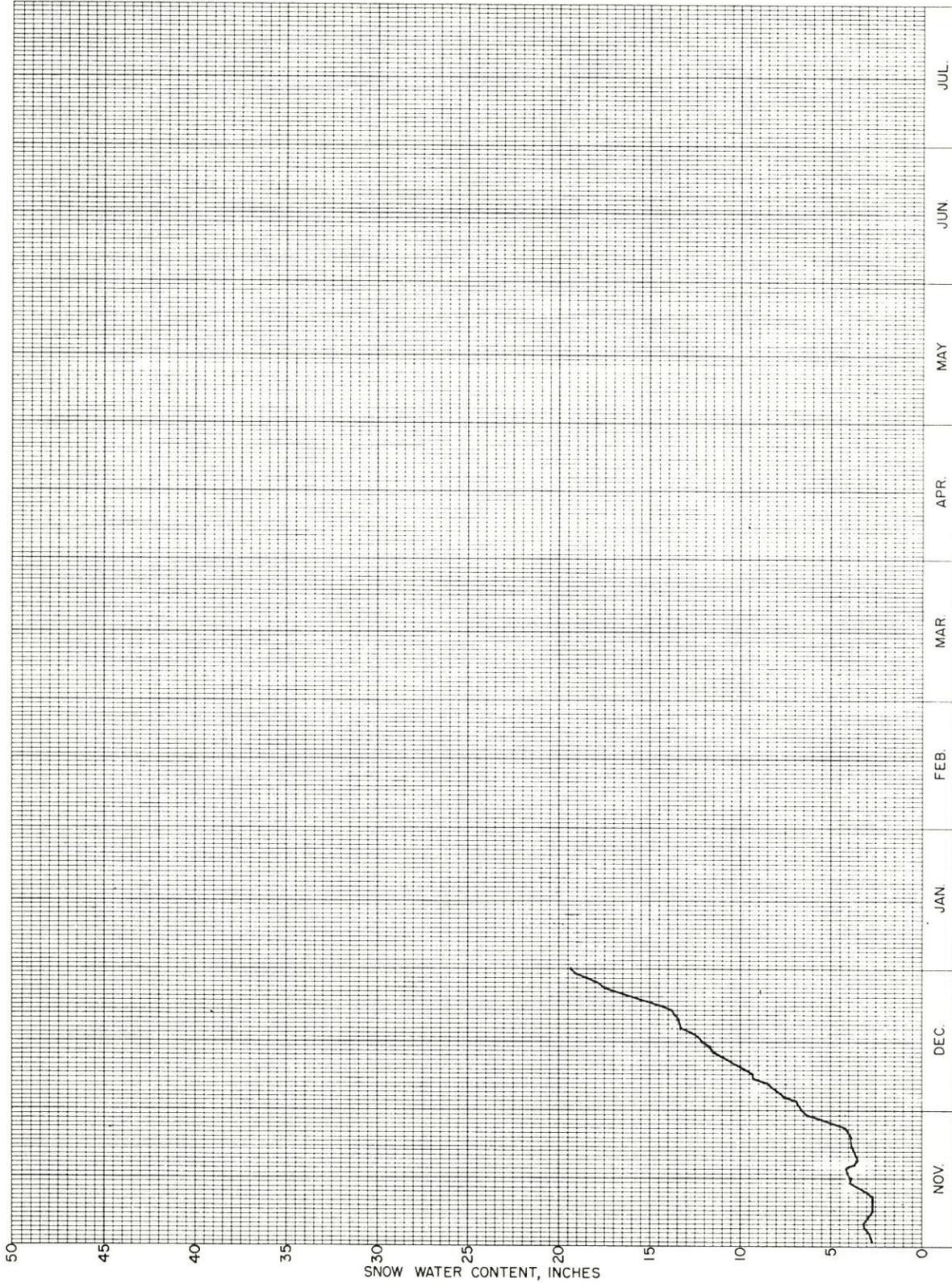
No. 11J15 Elev. 7500 Drainage: East Canyon Crk. - Weber River



HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11H21 Elev. 8260 Drainage: Lost Creek





FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah State University, U.S. National  
Park Service, U.S. Geological Survey, and other Federal, State,  
and private organizations.

AS OF  
**FEB. 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**  
ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.



*Released by*

**A. W. HAMELSTROM**  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH

*In Cooperation with*

**HUBERT C. LAMBERT**  
STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**  
SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84111



# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

February 1, 1972

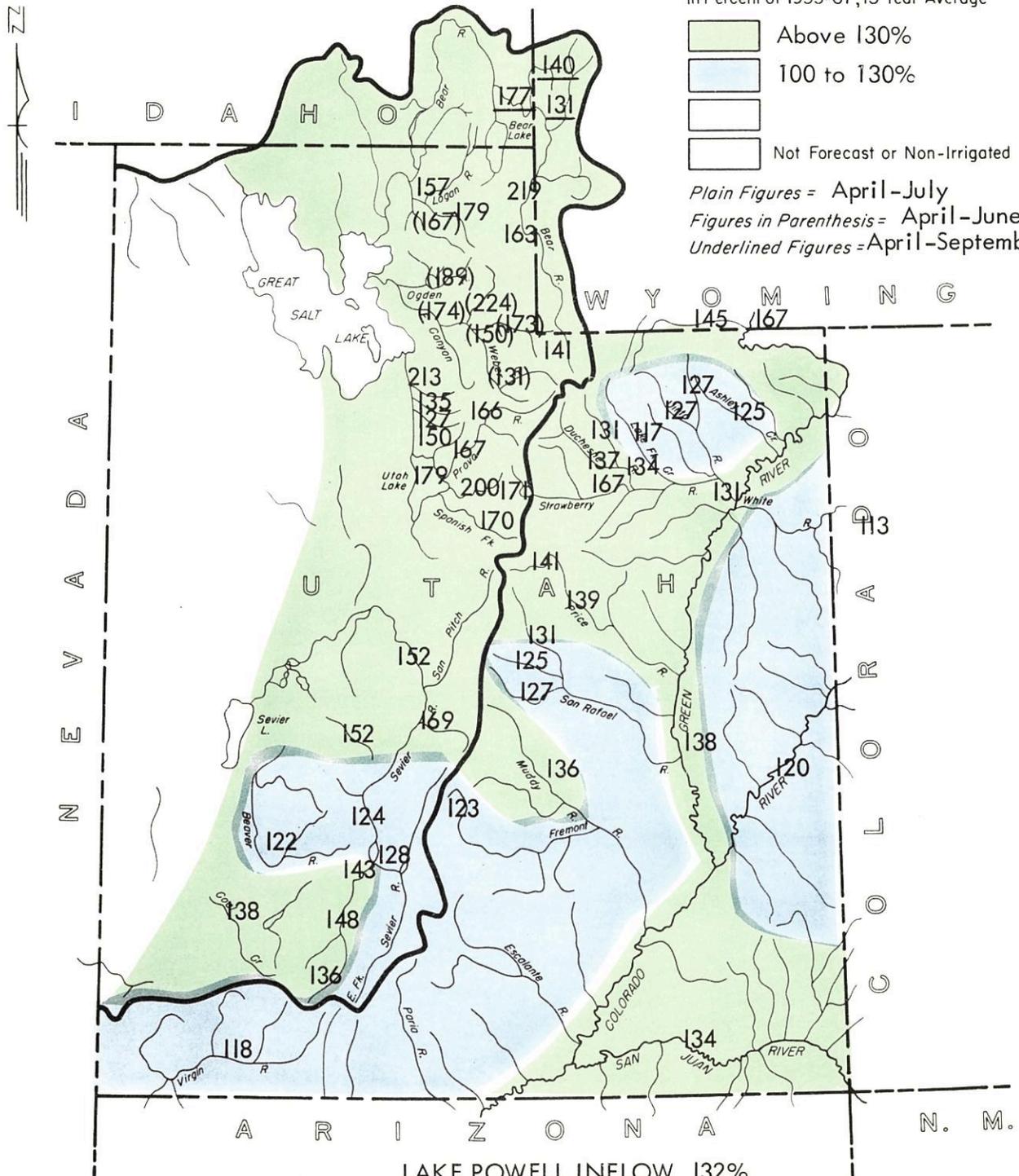
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = April-July  
Figures in Parenthesis = April-June  
Underlined Figures = April-September



LAKE POWELL INFLOW 132%  
NAVAJO RES. INFLOW 117%

USDA-SCS-PORTLAND, OREG. 1970 M-2853



# WATER SUPPLY OUTLOOK

as of  
FEBRUARY 1, 1972

\* \* \* \* \*  
\* The 1972 Water Supply Outlook for Utah is "near average" \*  
\* to "excellent". Snow Cover is generally above 140% of \*  
\* the February 1 average. Reservoir storage is well above \*  
\* average and streamflow forecasts range from average to \*  
\* double average. \*  
\* \* \* \* \*

Snow Cover ranges from 126% of the February average on Clear Creek in Southern Utah to 204% of average on Farmington Creek north of Salt Lake. Snow cover is heavy again this year on the Ogden River (180%), Little Bear and Blacksmith Fork (185%), the upper Bear River (169%), East Canyon Creek and the upper Weber River is 160 to 170% of the February 1 average.

Utah Lake drainages range from 138% on American Fork to 154% on the Provo. Uintah Basin snow cover ranges from 158% on the upper Duchesne to 198% of the February 1 average on the Uintah River.

The Price River is 157%, San Rafael 143% and the Fremont 155% of average. Snow cover on the Virgin River is 155% of the February 1 average, the upper Sevier above Hatch 151% and the East Fork of the Sevier has 173% of average.

January precipitation was heavy in the northern part of the State and caused above average increases to the snow pack. Precipitation dropped to zero catch at some valley locations in Southern Utah and most snow courses recorded well below average increases during the month.

Reservoir Storage on 14 of Utah's principal reservoirs, not including those of the Colorado Storage Project, was 149% of the February 1st average. The three main reservoirs on the Sevier River, Otter Creek, (Piute and Sevier Bridge) are 208% of average. Utah Lake is 0.82 feet below Compromise level. The Great Salt Lake was 2.10 feet higher than last year at this time and 7.00 feet above the alltime record low of October, 1963, as reported by the U. S. Geological Survey.

Streamflow Forecasts for the April through June or July period range from near average for some stations in Southern Utah to over twice average for Lost Creek, Big Creek and Chalk Creek in Northern Utah. Uintah Basin streams are expected to produce from 117% of average flow on Lake Fork Creek to 160% of the April-July average on the Strawberry at Duchesne. Sevier River forecasts range from 124% below Piute to 169% for Salina Creek. The Sevier at Hatch is expected to produce 161% of the April-July average.

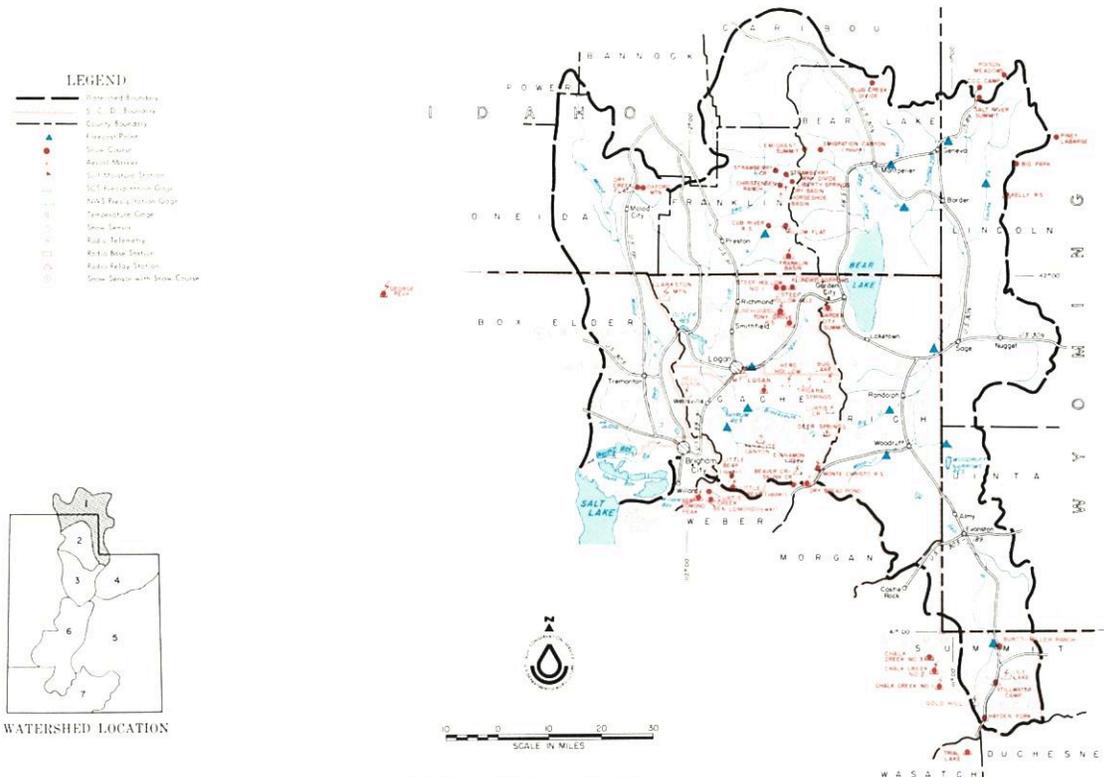
The potential for high peak flows is present again this year especially in the northern part of the State on Bear River tributaries, Ogden River, and Weber River tributaries. Other streams are expected to have higher than average peak flows but should not cause problems unless extreme temperature and precipitation occur during the snow melt period.



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

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



FEBRUARY 1, 1972

The 1972 Water Supply Outlook for Bear River Basin is excellent again this year.

Snow Cover in Bear River basin varies from 159% of the February 1 average on the Logan river to 185% on the Blacksmith Fork - Little Bear Rivers. The upper Bear south of Evanston has 169% of average snow cover and the Smiths Fork 163%.

Reservoir Storage in Bear Lake is 129% of average (1,105,000 a.f.) and a little more than last year on February 1. Woodruff Narrows is still full at 26,500 acre feet. Hyrum has 10,700 acre feet and Porcupine was estimated to hold 3,300 acre feet as of February 1.

Streamflow Forecasts range from 219% (160,000 a.f.) of the April-July average for the Bear at Randolph to 131% of average (142,000 a.f.) for Smiths Fork (April-Sept). The Bear at Utah-Wyoming Line forecast is 149,000 a.f. (141%) April-July and the Bear at Harer is expected to produce 400,000 acre feet (177%) April-September. Big Creek forecast is 208% of average (10,000 a.f.) and Woodruff Creek 185% (25,000 a.f.). The Logan River forecast is 157% (155,000 a.f.), Blacksmith Fork 179% (75,000 a.f.) and Little Bear 167% (70,000 a.f.) April-June. Streams in this area are expected to have above average peak flows again this year.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER RESOURCES DIVISION, U.S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. 20250

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho (1)	400	177	Apr-Sept		226
Bear nr Randloph	160	219	Apr-July		73
Bear nr Ut-Wyo. State Line	149	141	Apr-July	138	106
Bear nr Woodruff	170	163	Apr-July		104
Big Crk nr Randolph, Utah	10.0	208	Apr-July		4.8
Blacksmith Fork nr Hyrum	75	179	Apr-July	99	42
Little Bear nr Paradise	70	167	Apr-June		42
Logan nr Logan (1)	155	157	Apr-July	203	99
Smith's Fork nr Border, Wyoming	142	131	Apr-Sept		108
Thomas Fork nr Ut-Wyo State Line	44	140	Apr-Sept		31
Woodruff Crk nr Woodruff, Utah	25	185	Apr-July		13.5

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Bear River</u>	Bear Lake	1421.0	1105.0	1098.7	854.0
	Woodruff Narrows	26.5	26.5	25.5	- -
<u>Little Bear</u>	Hyrum	15.3	10.7	10.7	10.2
	Porcupine	11.3	3.3b	4.8	- -

(1) - Observed flow corrected for change in storage and diversions  
 b - Average of all past record - less than 15 years

BEAR RIVER BASIN

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER BEAR RIVER</u> (Above Harer, Idaho)						
Big Park	8700	1/27	69	19.4	21.4	12.4*
CCC Camp	7500	1/27	49	12.1	14.1	7.5
Chalk Creek #1	9100	1/26	68	19.6	23.0	- -
Chalk Creek #2 x	7900	1/26	50	13.4	12.2	8.4b
Chalk Creek #3 x	7500	1/26	33	8.2	6.6	4.6b
Kelly Ranger Station	8200	1/27	67	18.7	18.9	10.6*
Monte Cristo R.S.	8960	1/28	86	25.6	29.3	16.0b
Piney-LaBarge #2	8820	1/28	77	22.9	24.8	14.6b
Salt River Summit x	7900	1/29	61	16.0	19.1	9.7
Smith & Morehouse x	7600	1/27	43	12.5	10.5	7.4b
Trial Lake x	9800	1/28	88	24.7	26.8	14.8b
<u>LOWER BEAR RIVER</u> (Below Harer, Idaho)						
Beaver Crk-Skunk Crk. x	7150	1/28	48	14.3	11.9	7.2
Christensen Ranch	5600	2/1	28	7.9	9.1	- -
Cub River R.S.	5400	1/31	25	6.8	9.0	- -
Dry Basin A	7900	1/31	76	24.2	32.6	- -
Dry Bread Pond x	8230	1/28	59	17.8	20.2	10.3
Dry Creek Flat	6350	1/28	33	9.9	10.0	4.5*
Emigrant Summit	7350	1/26	77	24.5	27.4	14.2*
Emigration Canyon	6500	1/26	41	12.2	12.6	6.4*
Garden City Summit	7600	1/26	64	19.8	19.0	10.8
Horseshoe Basin A	8000	1/31	66	21.0	29.5	- -
Klondike Narrows	7400	1/26	65	20.0	22.8	12.3b
Liberty Springs A	8420	1/31	102	32.4	45.5	- -
Monte Cristo R. S. x	8960	1/28	86	25.6	29.3	16.0b
Oxford Mountain	6800	1/28	42	11.6	10.1	5.6*
Steep Hollow #1	8500	1/26	95	30.6	40.8	22.6b
Steep Hollow #2	7700	1/26	78	24.9	28.6	17.0b
Strawberry Creek	5800	2/1	36	10.0	11.1	6.9*
Strawberry Mink Divide	6800	2/1	70	21.6	23.5	13.0*
Tony Grove R. S.	6250	1/26	47	15.5	14.2	7.1
Willow Flat	6100	1/31	44	15.6	16.9	9.4*
x - Adjacent drainage b - Average of all past record - less than 15 years * - Partly estimated A - Aerial markers						

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Chalk Creek #1 x (3)	9100	1/31	6.31	- -	20.57	- -	
Chalk Creek #2 x (3)	7900	1/31	4.15	3.02b	14.70	8.80*	167
Chalk Creek #3 x	7500	1/26	3.50	1.82b	13.07	8.37b	156
Dry Bread Pond	8230	1/28	5.99	4.47*	18.88	11.75*	161
Garden City Summit	7600	1/26	8.05	3.22b	19.44	11.52*	169
Klondike Narrows (3)	7400	1/31	10.31	5.24*	21.14	14.15*	149
Monte Cristo #2 (3)	8960	1/31	9.06	4.94b	24.55	14.74b	167
Sagebrush Flat x	6300	1/28	4.27	2.48b	15.46	8.28b	187
Salt River Summit	7900	1/27	7.50	3.51b	16.75	9.47*	177
Tony Grove R. S. (3)	6250	1/31	6.85	2.40b	23.72	13.70b	173
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193
Willow Flat	6100	1/31	4.75	4.72	19.84	12.80	155
Gold Hill (3)	10000	1/31	7.09	- -	20.31	- -	- -
Cinnamon Crk. (3)	7300	1/31	4.12	- -	17.32	- -	- -
Franklin Basin (3)	8000	1/31	4.04	- -	20.96	- -	- -
Curtis Creek (3)	8450	1/31	9.86	- -	24.00	from 10/25/71	

- (3) - Data obtained by radio - USU-SCS Cooperative Sites
- x - Adjacent Drainage
- b - Average of all past record - less than 15 years
- \* - Partly estimated

UNITED STATES DEPARTMENT OF AGRICULTURE  
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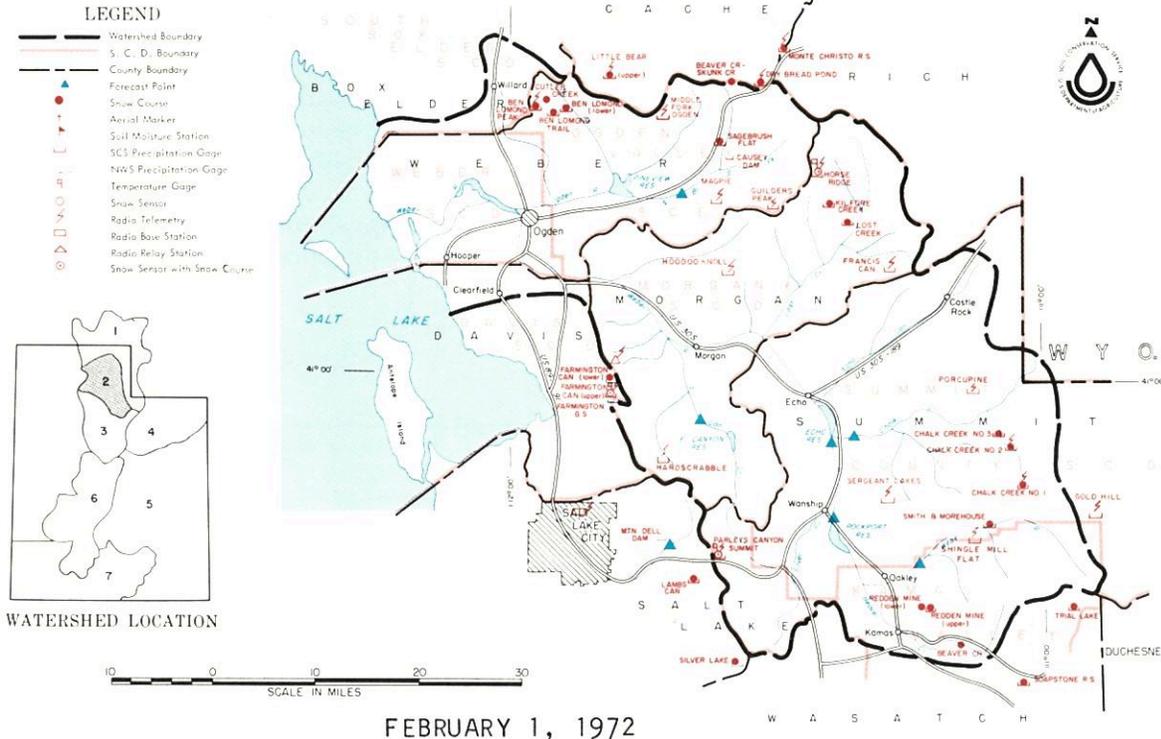
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*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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



The 1972 Water Supply Outlook for the Weber-Ogden basins is excellent.

Snow Cover is 180% of the February 1 average on the Ogden and 167% of average on the Weber River. Several snow course measurements are the highest of record for February 1 and many water content measurements are already higher than the April 1 average.

Reservoir Storage is well above average. Pineview held 68,200 on February 1, its average is 26,100 acre feet. Lost Creek held 15,100 acre feet - Rockport had 31,200 acre feet, its average is 25,200 acre feet and Echo had 57,900 acre feet, its average is 31,700 acre feet.

Streamflow Forecasts for the April-June period range from 131% of average (122,000 a.f.) for the Weber at Oakley to 224% (26,000 a.f.) for Lost Crk. Inflow to Pineview 170,000 acre feet (189%), So. Fork Ogden 82,000 a.f. (178%). Rockport Inflow 145,000 (132%), Weber near Coalville 150,000 (150%) and Chalk Creek 45,000 a.f. (173%). East Canyon is expected to produce 30,000 a.f. (174%) during the April-June period.

Streams in this area are expected to peak higher than average with only average precipitation this spring.

Report prepared by  
BOB L. WHALEY  
U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WEBER-OGDEN WATERSHEDS - FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	45	173	Apr-June	- -	26
East Canyon Crk nr Morgan(1)	30	174	Apr-June	27	17.2
Hardscrabble Crk nr Porterville	24	178	Apr-June	- -	13.5
Lost Crk nr Croydon, Utah	26	224	Apr-June	24	11.6
Pineview Reservoir Inflow (2)	170	189	Apr-June	160	90
South Fork Ogden nr Huntsville	82	178	Apr-June	- -	46
Rockport Reservoir Inflow(1)	145	132	Apr-June	- -	110
Weber nr Coalville(1)	150	150	Apr-June	- -	100
Weber nr Oakley	122	131	Apr-June	124	93

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ogden</u>	Causey	7.1	1.5	5.7	- -
	Pineview	110.1	68.2	16.9	26.1
<u>Weber</u>	East Canyon	48.1	38.3	39.5	= -
	Echo	73.9	57.9	62.2	31.7
	Lost Creek	20.0	15.1	13.4	- -
	Rockport	60.9	31.2	23.5	25.2b
	Willard Bay	193.3	173.0	175.4	- -

(1) - Observed flow corrected for change in storage and diversions.  
 (2) - Inflow record as computed by U. S. Bureau of Reclamation  
 b - Average of all past record - less than 15 years.

WEBER-OGDEN WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk.-Skunk Crk.	7150	1/28	48	14.3	11.9	7.2
Ben Lomond (lower)	6000	1/27	50	17.1	14.6	8.7b
Ben Lomond Peak	8000	1/27	107	37.1	31.5	20.1b
Ben Lomond Trail	6000	1/27	58	20.8	16.5	9.1b
Cutler Creek	6780	1/27	90	29.8	23.7	15.6b
Dry Bread Pond	8230	1/28	59	17.8	20.2	10.3
Monte Cristo R. S.	8960	1/28	86	25.6	29.3	16.0b
Sagebrush Flat	6300	1/28	26	7.7	6.1	3.6
<u>WEBER RIVER</u>						
Beaver Creek R. S.	7500	1/28	33	8.0	7.3	5.2b
Chalk Creek #1	9100	1/26	68	19.6	23.0	- -
Chalk Creek #2	7900	1/26	50	13.4	12.2	8.4b
Chalk Creek #3	7500	1/26	33	8.2	6.6	4.6b
Farmington Canyon (l) x	6950	1/27	68	21.8	19.9	12.0b
Farmington Canyon (u) x	8000	1/27	99	33.4	28.6	15.0b
Horse Ridge	8260	Delayed Data			- -	- -
Kilfore Creek	7300	Not measured			- -	- -
Lamb's Canyon x	6600	1/28	56	16.3	13.8	8.6
Parley's Canyon Smt.	7500	1/28	63	17.6	15.7	10.5
Silver Lake (Brighton) x	8725	1/31	66	22.8	22.0	14.7
Smith & Morehouse	7600	1/27	43	12.5	10.5	7.4b
Soapstone R. S. x	7800	1/28	48	11.9	10.3	7.7b
Trial Lake x	9800	1/28	88	24.7	26.8	14.8b
Lamb's Canyon #2 x	7400	1/28	55	15.0	12.8	- -
Park City Smt.	9300	1/30	99	30.0**	- -	- -
x - Adjacent drainage b - Average of all past record - less than 15 years ** - Snow pillow reading cooperatively by Park City Resort						

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	6000	1/27	7.45	4.39b	28.63	15.46*	185
Ben Lomond Trail	6000	1/27	7.31	4.41b	28.43	17.07*	167
Causey Dam	5500	1/28	4.50	1.92b	16.92	- -	- -
Dry Bread Pond a	8230	1/28	5.99	4.47*	18.88	11.75*	161
Monte Cristo #2 x	8960	1/31	9.06	4.94b	24.55	14.74b	167
Sagebrush Flat	6300	1/28	4.27	2.48b	15.46	8.28b	187
<u>WEBER RIVER</u>							
Chalk Creek #1 a	9100	1/31	6.31	- -	20.57	- -	- -
Chalk Creek #2 a	7900	1/31	4.15	3.02b	14.70	8.80*	167
Chalk Creek #3	7500	1/26	3.50	1.82b	13.07	8.37b	156
Farmington Guard Sta.	7500	1/27	7.14	4.69	32.76	17.04	192
Farmington Rice	7000	1/27	5.34	4.38	29.46	15.35	192
Horse Ridge	8260	Delayed Data		- -	- -	- -	- -
Lost Creek	6125	Not measured		- -	- -	- -	- -
Parley's Canyon Smt.	7500	1/28	5.60	3.94*	18.10	11.64*	155
Sargent Lake a	8400	1/31	3.67	- -	17.24	- -	- -
Silver Lake (Brighton) x	8725	2/1	5.91	5.09	24.83	16.56	150
Smith & Morehouse	7600	1/27	4.50	3.19b	16.92	9.79	173
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193
x - Adjacent drainage b - Average of all past record - less than 15 years * - Partly estimated a - Data obtained by radio-USU-SCS cooperative sites							

UNITED STATES DEPARTMENT OF AGRICULTURE  
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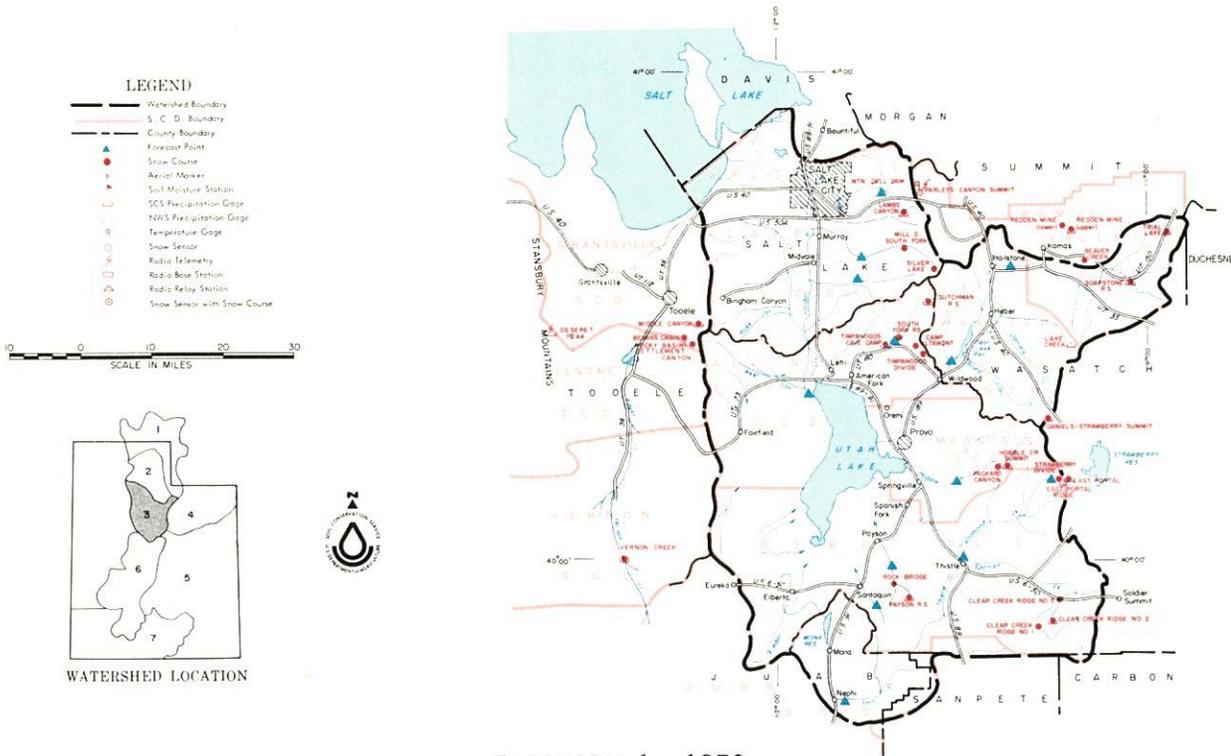
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# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

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



The 1972 Water Supply Outlook for Utah Lake-Jordan River and Tooele Valley is very good.

Snow Cover ranges from 138% of the February 1 average on American Fork to 204% on Farmington Creek. Spanish Fork has 141% of average - Strawberry Reservoir 164% and the Provo 154% of average snow cover. Salt Lake front watersheds average 165% of the February 1 average. Farmington Canyon Upper snow course had the highest February 1 water content of record with 33.4 inches of water in 99 inches of snow depth.

Reservoir Storage is well above average. Strawberry held 195,900 acre feet (167%) and Utah Lake 806,800 acre feet (155%) on February 1. Utah Lake was -0.82 feet below Compromise level on February 1.

Streamflow Forecasts for the April-July period range from 127% (42,000 a.f.) on Little Cottonwood Creek to 200% (26,000 a.f.) for Hobble Creek. The Provo at Hailstone 144,000 (166%) - Spanish Fork 46,000 (170%) and Strawberry Reservoir Inflow 70,000 (171%). American Fork 39,000 (150%). Big Cottonwood Creek 46,000 acre feet (135%) - Parley's Creek 20,000 (213%). Peak flows in this area are expected to be above average. Big Cottonwood Creek near Salt Lake is expected to peak between 450 - 600 c.f.s.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK, 1972, 1971, 1970-1967-3-L

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	39	150	Apr-July	- -	26
Hobble Crk nr Springville	26	200	Apr-July	- -	13.0
Provo nr Hailstone (1)	144	166	Apr-July	- -	87
Provo below Deer Crk Dam (1)	160	167	Apr-July	- -	96
Spanish Fork at Thistle	46	170	Apr-July	- -	27
Strawberry Reservoir Inflow (1)	70	171	Apr-July	- -	41
Utah Lake Inflow	350	179	Apr-July	241	195
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	46	135	Apr-July	42	34
Farmington Crk nr Farmington	12.4	182	Apr-July	- -	6.8
Little Cottonwood Crk nr SLC	42	127	Apr-July	41	33
Parley's Crk nr SLC	20	213	Apr-July	19.4	9.4

WSFB-X2-L

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Spanish Fork</u>	Strawberry	270.0	195.9	187.8	117.6
<u>Utah Lake</u>	Utah Lake	883.9	806.8	815.4	518.9

(1) - Observed flow corrected for change in storage and diversions.

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Dutchman R. S.	7560	1/28	55	18.7	- -	- -
Beaver Creek R. S. x	7500	1/28	33	8.0	7.3	5.2b
Camp Altamont	7300	1/28	36	11.8	8.8	9.7
Clear Creek Ridge #1	9200	1/26	47	15.6	13.5	- -
Clear Creek Ridge #2	8000	1/26	40	11.7	11.2	7.9b
Clear Creek Ridge #3	6600	1/26	21	6.3	6.0	4.7b
Daniels-Strawberry Smt.	8000	1/27	44	13.0	12.2	8.9
East Portal	7560	1/31	37	10.8	8.7	6.1
Payson R. S.	8050	1/25	39	13.0	12.2	9.7b
Rock Bridge	6750	1/25	32	10.1	9.0	6.8b
Soapstone R. S.	7800	1/28	48	11.9	10.3	7.7b
South Fork R. S.	6100	1/27	5	1.8	2.2	4.7
Strawberry Divide	8000	1/31	59	18.1	16.4	10.6
Timpanogos Cave Camp	5500	1/27	1	0.1	1.3	1.8
Timpanogos Divide	8140	1/28	64	22.8	16.5	15.4
Trial Lake	9800	1/28	88	24.7	26.8	14.8b
Packard Canyon	6400	1/27	27	8.5	- -	- -
Hobble Crk. Summit	7420	1/27	39	12.0	- -	- -
<u>JORDAN RIVER</u>						
Lamb's Canyon #1	6600	1/28	56	16.3	12.9	8.6
Lamb's Canyon #2	7400	1/28	55	15.0	11.8	- -
Middle Canyon x	7000	1/24	32	11.2	8.0	6.8b
Mill D. South Fork	7400	1/31	58	20.0	15.0	11.3
Parley's Canyon Summit	7500	1/28	63	17.6	14.2	10.5
Silver Lake	8725	1/31	66	22.8	16.8	14.7

x - Adjacent drainage

b - Average of all past record - less than 15 years

**PRECIPITATION (Inches)**

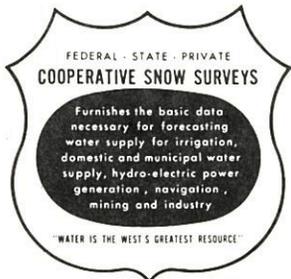
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	1/26	2.10	2.62b	12.83	8.97*	143
Daniels-Strawberry Smt.	8000	1/27	2.95	2.90b	15.97	10.95b	146
East Portal	7800	1/31	4.18	3.37	15.05	10.41*	145
Payson R. S.	8050	1/25	2.15	3.84b	13.53	10.01b	135
Soapstone R. S.	7800	1/28	4.33	2.71b	15.02	9.42*	159
Timpanogos Divide	8200	1/28	2.30	3.94	22.55	15.95	141
Trial Lake	9800	1/28	6.71	4.47b	24.84	12.89*	193
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>							
Lambs Canyon #2	7400	1/28	4.45	- -	18.55	- -	- -
Middle Canyon	7000	1/24	4.59	3.32b	9.87	9.55*	103
Mt. Dell Dam	5500	2/1	1.80	2.02	10.70	7.50	143
Parley's Canyon Smt.	7500	1/28	5.60	3.94*	18.10	11.64*	155
Silver Lake (Brighton)	8725	2/1	5.91	5.09	24.83	16.56	150
b - Average of all past record - less than 15 years * - Partly estimated							

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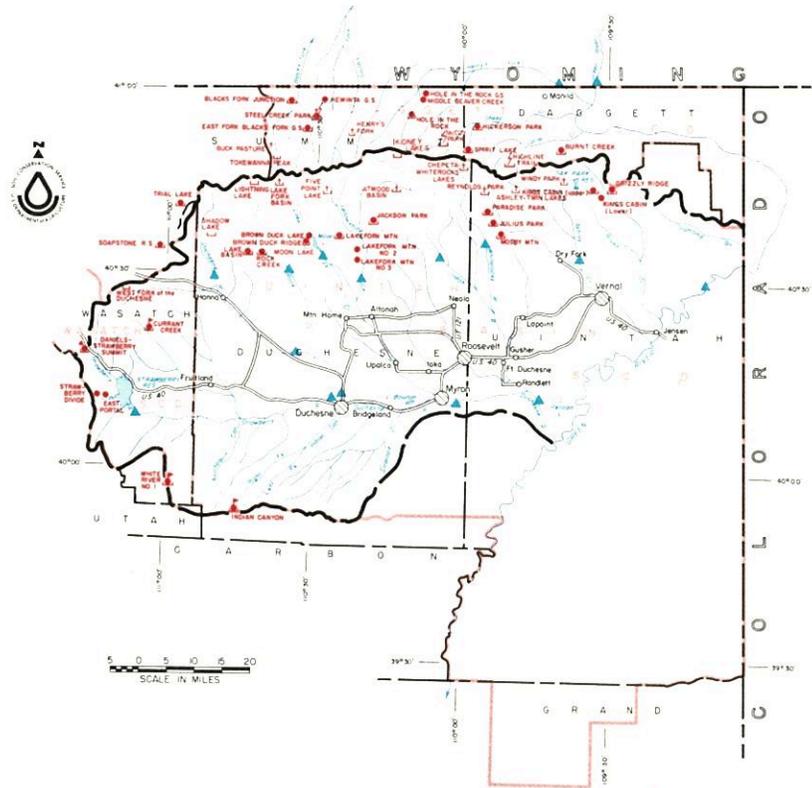
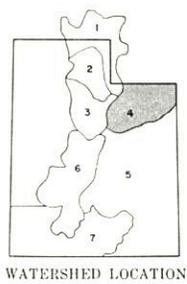
*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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

- LEGEND**
- Watershed Boundary
  - S. C. D. Boundary
  - County Boundary
  - ▲ Forecast Point
  - Snow Course
  - ▲ Aerial Marker
  - ▲ Soil Moisture Station
  - ▲ SCS Precipitation Gauge
  - ▲ PMS Precipitation Gauge
  - ▲ Temperature Gauge
  - ▲ Snow Sensor
  - ▲ Radio Telemetry
  - ▲ Radio Base Station
  - ▲ Radio Relay Station
  - Snow Sensor with Snow Course



FEBRUARY 1, 1972

Uintah Basin and Daggett County area is expected to have a very good water supply this year.

Snow Cover ranges from 158% of the February 1 average to 198% on the Uintah - Whiterocks and Ashley Brush Creek drainages. Lakefork - Yellowstone snow cover is 164% and Strawberry river 170%.

Reservoir Storage is above average. Steinaker has 22,700 acre feet of useable stored water. Moon Lake has 16,000 acre feet - last year it held only 10,800 at this time. Flaming Gorge has 2,632,000 acre feet. Last year it had 1,777,000 acre feet. Starvation now holds 135,000 acre feet.

Streamflow Forecasts for the April-July period range from 117% (77,000 a.f.) on Lakefork Creek to 160% (80,000 a.f.) for Strawberry River at Duchesne. Duchesne River at Duchesne is expected to flow 228,000 a.f. (137%) - Rock Creek, 115,000 (131%) - Yellowstone Creek, 72,000 (122%) - Uintah River, 100,000 (127%) - Whiterocks 65,000 (127%) and Ashley Creek 55,000 a.f.(125%). Henry's Fork is expected to flow 55,000 acre feet (145%) April-September and the Inflow to Flaming Gorge 1,760,000 acre feet (167%) during the April-July period.

Report prepared by  
 BOB L. WHALEY  
 U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER SUPPLY MAP 1971-1972-22027-4-L

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (1)	129	137	Apr-July		94
Duchesne at Duchesne (1)	228	137	Apr-July		167
Duchesne at Myton (1)	325	134	Apr-July		243
Duchesne at Randlett (1)	343	131	Apr-July		262
Strawberry at Duchesne	80	160	Apr-July	62	49
Rock Crk nr Mtn. Home	115	131	Apr-July		88
Lakefork below Moon Lake (1)	77	117	Apr-July		66
Yellowstone nr Altonah	72	122	Apr-July		59
Uinta nr Neola	100	127	Apr-July		79
Whiterocks nr Whiterock	65	127	Apr-July	59	51
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	55	125	Apr-July	50	44
Henry's Fork at Linwood	55	145	Apr-Sept		38
Flaming Gorge Inflow (1)	1760	167	Apr-July	1905	1054

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ashley Creek</u>	Steinaker	33.3	22.7	21.9	15.6 <sup>b</sup>
<u>Green River</u>	Flaming Gorge	3749.0	2632.0	1777.0	1299.0 <sup>b</sup>
<u>Lake Fork</u>	Moon Lake	35.8	16.0	10.8	14.2
<u>Strawberry</u>	Starvation	165.3	135.1	114.4	- -
<u>Uintah</u>	Bottle Hollow	11.3	8.7	- -	- -

(1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record - less than 15 years

UINTAH BASIN & DAGGETT SCD's

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Daniels-Strawberry Smt. x	8000	1/27	44	13.0	12.2	8.9
East Portal x	7560	1/31	37	10.8	8.7	6.1
Indian Canyon	9100	1/31	50	14.2	8.1	7.3
Julius Park	9800	1/27	52	15.4	10.8	7.4b
Lakefork Mountain	10200	1/28	44	10.5	8.7	6.8
Lakefork Mountain #2	8900	1/28	37	8.9	5.9	5.0
Lakefork Mountain #3	8100	1/28	28	6.5	5.8	4.2
Mosby Mountain	9500	1/27	41	11.8	7.9	6.4b
Paradise Park	10100	1/27	50	15.5	11.1	7.8b
Soapstone R. S. x	7800	1/28	48	11.9	10.3	7.7b
Strawberry Divide x	8000	1/31	59	18.1	16.4	10.6
Trial Lake x	9800	1/28	88	24.7	26.8	14.8b
Burnt Creek	7900	1/28	21	4.5	6.5	- -
Grizzly Ridge	8500	1/28	37	10.1	9.3	- -
<p>x - Adjacent drainage                      b - Average for all past record - less than 5 years</p>						

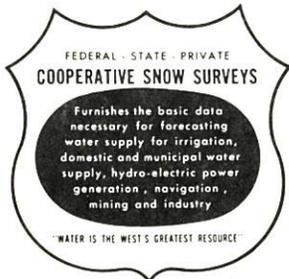
# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>DAGGETT SCD</u>							
Burnt Creek	7900	1/28	2.17	- -	10.61	- -	- -
<u>UINTAH BASIN SCD</u>							
Daniels-Strawberry Smt x	8000	1/27	2.95	2.90b	15.97	10.95b	146
East Portal Ridge x	7800	1/31	4.18	3.37	15.05	10.41*	145
Grizzly Ridge	8500	1/28	4.30	- -	14.20	- -	- -
Indian Canyon	9100	1/31	1.45	1.53b	14.68	9.21b	159
Julius Park	9800	1/27	4.82	1.76*	15.84	7.62*	208
Lakefork Mountain	10500	1/28	2.90	2.24b	14.18	6.94b	204
Moon Lake	8150	1/31	0.80	1.16	9.00	7.49	120
Mosby Mountain	9500	1/27	4.90	- -	14.00	- -	- -
Paradise Park	10100	1/27	5.13	1.92*	16.98	8.38*	203
Soapstone R. S.	7800	1/28	4.33	2.71b	15.02	9.42*	159
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193

x - Adjacent drainage  
b - Average of all past record - less than 15 years  
\* - Partly estimated

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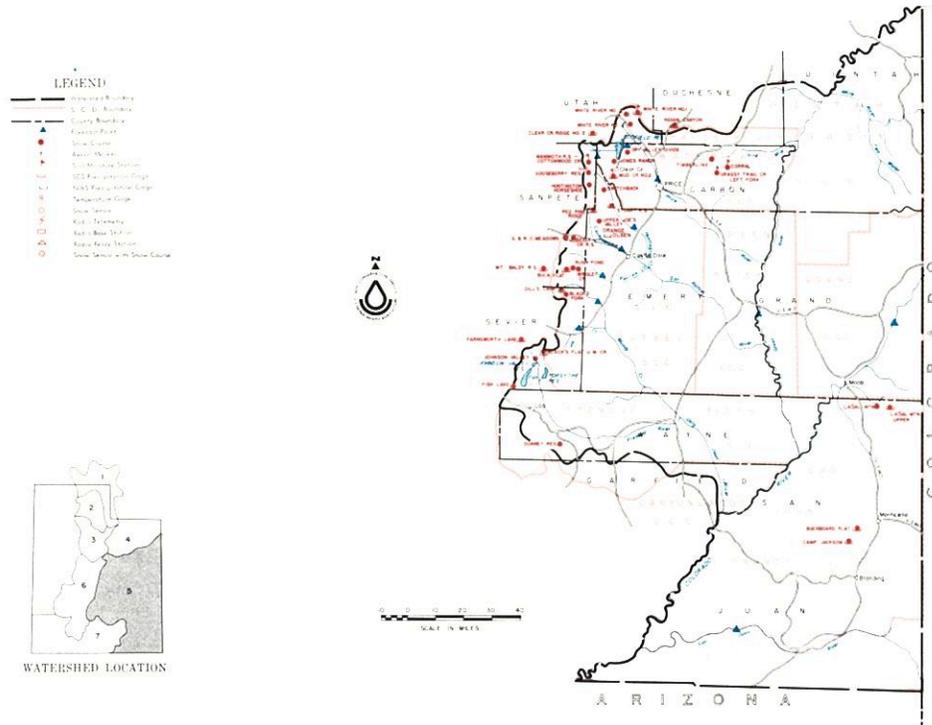
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

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



FEBRUARY 1, 1972

The 1972 Water Supply Outlook for southeastern Utah is above average.

Snow Cover varies from 157% of average on the Price river to 143% on the San Rafael with 155% of average on the Fremont River. Indian Canyon snow course had the highest February 1 water content in 35 years of record. The measurement was 14.2 inches of water or 195% of average.

Reservoir Storage is well above average. Scofield has 40,500 acre feet in storage. Last year it held 41,200 acre feet on February 1, but the 15-year average is only 20,400 acre feet. Joe's Valley had 38,500 acre feet - about the same as last year on February 1 and Navajo on the San Juan River had 928,900 acre feet. Last year it held 937,600 acre feet on February 1.

Streamflow Forecasts for the April-July period range from 117% (725,000 a.f.) of the 15-year average for Navajo Reservoir Inflow to 141% (45,000 a.f.) for Scofield Reservoir Inflow. Other forecasts are as follows:  
 Gooseberry Creek near Scofield 13,100 a.f. (131%) - Price River near Heiner 45,000 a.f. (141%) - Cottonwood Creek 55,000 a.f. (125%) - Huntington Creek 55,000 a.f. (131%) - Ferron Creek 42,000 a.f. (127%) - Muddy Creek 22,000 a.f. (136%) - Seven Mile Creek 7,600 a.f. (123%) - Colorado near Cisco (120%) - Green River near Green River (138%) - San Juan near Bluff (134%).

STATE OF UTAH, DIVISION OF WATER RIGHTS, WTR-0-22027-5-L

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	13.1	131	Apr-July		10.0
Price nr Heiner (1)	75	139	Apr-July		54
Scofield Reservoir Inflow (1)	45	141	Apr-July		32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	55	125	Apr-July		44
Ferron Crk nr Ferron	42	127	Apr-July		33
Huntington Crk nr Huntington	55	131	Apr-July		42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	22	136	Apr-July		16.2b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	3365	120	Apr-July		2802
Green at Green River, Utah	3552	138	Apr-July		2574
Navajo Reservoir Inflow	725	117	Apr-July		619
San Juan nr Bluff, Utah	1189	134	Apr- July		890
<u>FREMONT RIVER</u>					
Seven Mile Crk. nr Fish Lake	7.6	123	Apr-July		6.2b

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Price River</u>	Scofield	65.8	40.5	41.2	20.4
<u>San Rafael</u>	Joe's Valley	54.6	38.5	38.6	- -
<u>San Juan</u>	Navajo	1696.4	928.9	937.6	284.0b

(1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record - less than 15 years

CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Clear Creek Ridge #2 x	8000	1/26	40	11.7	11.2	7.9b
Dry Valley Divide	7800	1/31	34	8.3	8.8	6.0
Gooseberry Reservoir	8700	1/26	40	13.9	13.9	10.2
Indian Canyon	9100	1/31	50	14.2	8.1	7.3
Jones Ranch	7600	1/31	21	4.9	3.8	3.9
Mammoth R. S. - Ctnwd. Crk.	8800	1/26	44	15.7	15.8	11.0b
Mud Creek #2	8300	1/31	45	13.2	10.6	7.1*
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	1/27	45	12.8	12.4	8.9b
G.B.R.C. Meadows x	10000	1/28	55	18.4	20.0	13.2b
Gooseberry Reservoir x	8700	1/26	40	13.9	13.9	10.2
Red Pine Ridge	9400	1/28	49	13.4	10.8	9.6b
Rush Pond	9800	1/27	42	11.1	9.6	8.2b
Upper Joe's Valley	8900	1/28	37	9.0	5.4	5.4b
Wrigley Creek	9000	1/27	36	9.4	6.9	6.4b
Orange Olsen	7300	1/28	20	5.0	0.0	- -
<u>FREMONT RIVER</u>						
Farnsworth Lake x	9900	1/27	44	14.6	15.5	9.4b

x - Adjacent drainage

b - Average for all past record - less than 15 years

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2 x	8000	1/26	2.10	2.62b	12.83	8.97*	143
Gooseberry Reservoir	8700	1/26	1.20	3.39b	13.65	10.44*	131
Indian Canyon	9100	1/31	1.45	1.53b	14.68	9.21b	159
Mammoth R. S. #2	8600	1/26	1.75	3.05b	12.80	11.35*	113
Mud Creek	8300	1/31	2.70	2.42*	9.10	8.89*	102
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	1/27	2.65	3.41b	13.90	9.05*	154
G.B.R.C. Meadows x	10000	1/28	2.15	4.37	17.05	12.04	142
Gooseberry Reservoir x	8700	1/26	1.20	3.39b	13.65	10.44*	131
Orange Olsen	7300	1/28	1.50	- -	8.25	- -	- -
Red Pine Ridge	9400	1/28	3.70	4.65b	16.45	10.50*	157
<u>FREMONT RIVER</u>							
Farnsworth Lake x	9900	1/27	1.90	3.75b	14.70	9.77b	150
x - Adjacent drainage b - Average for all past record - less than 15 years * - Partly estimated							

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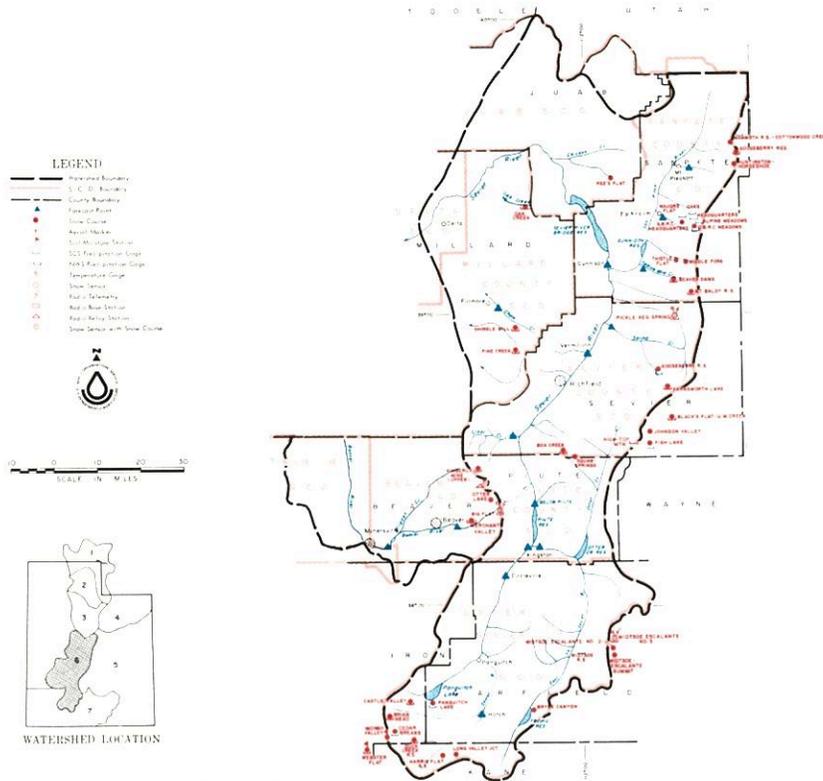
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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



FEBRUARY 1, 1972

The 1972 Water Supply Outlook for the Sevier and Beaver is above average.

Snow Cover ranges from 126% of the February 1 average on Clear Creek to 173% on the East Fork of the Sevier. The Sevier above Hatch has 151% of the 15-year average snow water for February 1 and Salina Creek 147% of average. Beaver River snow cover is 128% of average - a little less than last year on Feb. 1.

Reservoir Storage is well above average. Sevier River reservoirs range from 153% (29,000 a.f.) of the February 1 average for Otter Creek to 237% (156,700 a.f.) for Sevier Bridge Reservoir. Piute Reservoir storage was 53,000 a.f. (179%) and Gunnison Reservoir held 14,800 acre feet on February 1. Minersville reservoir on the Beaver river was estimated at 14,300 a.f. (161%). Last year it held 15,000 acre feet on February 1.

Streamflow Forecasts range from near average for the inflow to Minersville reservoir to 169% (10,000 a.f.) for the April-June flow of Salina Creek. The Sevier is forecast to produce 45,000 acre feet (136%) at Hatch, 40,000 a.f. (148%) at Circleville, 22,000 a.f. (143%) near Kingston, 36,000 a.f. (124%) below Piute Dam and 47,000 a.f. at Gunnison during the April-July period. Clear Creek forecast is 15,900 a.f. (127%) and the East Fork Sevier 15,000 a.f. (128%). The Inflow Kingston to Vermillion is 39,000 a.f. (130%) and Vermillion to Gunnison (March-June) is 68,000 a.f. (151%).

The October-March inflow to Sevier Bridge forecast is 95,000 - 110,000 a.f. and 2500 - 3000 acre feet of flow above 360 second feet should be produced below Vermillion this year. Primary water right percentages delivered are expected to be higher than average again this year. Beaver River forecast is 23,000 a.f. (122%) April-July and the Inflow to Minersville is expected to be 4,500 a.f. or 96% of the April-June average.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acres Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	20	152	Apr-July		13.2
Clear Crk nr Sevier(above Div.)	15.9	127	Apr-July		12.5b
East Fork Sevier nr Kingston (1)	15.0	128	Apr-July		11.7
Antimony Crk nr Antimony Inflow	8.0	102	Apr-July		7.8b
Kingston to Vermillion Dam	39	130	Apr-June		30 b
Vermillion Dam to Gunnison	68	151	Mar-June		45 b
Salina Crk at Salina (1)	10.0	169	Apr-June	12.2	5.9*
Sevier nr Circleville	40	148	Apr-July		27
Sevier nr Gunnison	47	152	Apr-July		31 b
Sevier at Hatch	45	136	Apr-July		33
Sevier nr Kingston	22	143	Apr-July		15.4
Sevier below Piute Dam (1)	36	124	Apr-July		29
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	20	144	Apr-July		13.9b
Pleasant Crk nr Mt. Pleasant	10.2	131	Apr-July		7.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	23	122	Apr-July	19.4	18.9
Minersville Reservoir Inflow (1)	4.5	96	Apr-June		4.7

**FORECAST DATE OF LOW FLOW VALUES**

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above Div.)	5	July 8	July 19
Salina Creek at Salina	25	June 12	June 10
Sevier at Circleville (Circle Valley)	90	June 24	June 24
Sevier at Hatch (upper)	100	July 10	July 10

**PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)**

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	72	58	Apr-Sept
Circle Valley	82	66	Apr-Sept
Panguitch Valley	100	84	Apr-Sept
Sevier Valley	45	40	Apr-Sept

**OTHER SPECIAL FORECASTS**

Below Vermillion - Flow above 360 second feet should total about  
2500 - 3000 acre feet this season

Inflow to Sevier Bridge Reservoir from October 1 to March 31 is  
expected to be 95,000 - 110,000 acre feet.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER</u> (South of Richfield, Utah)						
Big Flat x	10290	1/25	40	12.1	12.6	9.6b
Bryce Canyon	8000	1/28	14	3.4	3.2	2.6
Duck Creek R. S.	8700	1/25	38	12.4	9.6	7.6b
Farview	8200	1/28	27	7.1	6.3	- -
Harris Flat R. S.	7700	1/25	13	4.3	7.9	4.7b
Kimberly Mine	9300	1/31	37	11.0	9.8	8.7b
Long Valley Jct. x	7500	1/25	1	0.4	4.3	2.2b
Midway Valley	9800	1/27	61	20.4	14.2	12.2b
Rainbow Point	9100	Delayed data			- -	- -
Widtsoe-Escalante Smt.	9500	1/26	23	6.7	3.7	4.0
Widtsoe-Escalante #2	9500	1/26	32	9.0	4.8	5.2
Widtsoe-Escalante #3	9500	1/26	39	11.4	6.1	6.0b
<u>LOWER SEVIER RIVER</u> (Including San Pitch River)						
Farnsworth Lake	9900	1/27	44	14.6	15.5	9.4b
G.B.R.C. Headquarters	8700	1/28	38	10.2	11.6	8.3b
G.B.R.C. Meadows	10000	1/28	55	18.4	20.0	13.2b
Gooseberry R. S.	8400	1/27	28	8.4	7.9	6.2b
Gooseberry Reservoir x	8700	1/26	40	13.9	13.9	10.2
Mammoth R. S. - Ctnwood Crk.	8800	1/26	44	15.7	15.8	11.0b
Pickle Keg Springs	9600	Not measured			11.2	- -
Shingle Mill	6200	1/31	23	7.1	5.9	3.9b
<u>BEAVER RIVER</u>						
Big Flat	10290	1/25	40	12.1	12.6	9.6b
Merchant Valley	8200	1/25	20	5.6	6.4	4.9
Otter Lake	9300	1/25	35	10.4	11.1	7.5b

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Sevier River</u>	Gunnison	18.2	14.8	17.3	- -
	Otter Creek	52.5	29.0	41.9	19.0
	Piute	71.8	53.0	41.6	29.6
	Sevier Bridge	236.0	156.7	197.6	66.2
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	14.3b	15.0	8.9

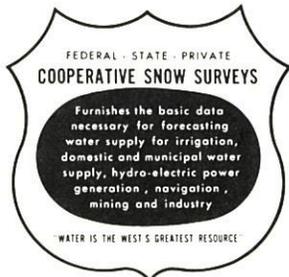
- (1) - Observed flow corrected for change in storage and diversions.
- b - Average of all past record - less than 15 years
- \* - Partly estimated

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Big Flat x	10290	1/25	0.70	3.63b	10.43	8.23*	127
Duck Creek R. S.	8560	1/25	1.05	3.27b	15.91	10.18*	156
Farnsworth Lake	9900	1/27	1.90	3.75b	14.70	9.77b	150
G.B.R.C. Headquarters	8700	1/28	1.64	3.66	13.41	10.11	133
G.B.R.C. Meadows	10000	1/28	2.15	4.37	17.05	12.04	142
G.B.R.C. Oaks	7655	1/28	1.08	2.61	9.13	6.91	132
Gooseberry R. S.	7800	1/27	1.42	2.87b	10.73	6.69*	160
Gooseberry Reservoir x	8700	1/26	1.20	3.39b	13.65	10.44*	131
Kimberly Mine	9100	1/31	1.87	3.24*	11.55	9.84*	117
Mammoth R. S. #2 x	8600	1/26	1.75	3.05b	12.80	11.35*	113
Shingle Mill	6200	1/31	1.02	2.98*	12.22	7.60*	161
Webster Flat x	9200	1/27	0.90	3.53*	17.15	11.29*	152
Widtsoe-Escalante #3	9500	1/26	0.05	2.30b	11.34	7.65b	148
Widtsoe R. S.	7600	1/26	0.00	0.68	5.07	3.10	164
<u>BEAVER RIVER</u>							
Beaver Canyon P. H.	7275	1/31	0.09	- -	7.22	- -	- -
Merchant Valley	8650	1/25	0.53	- -	8.90	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
Federal Bldg. - Room 4012  
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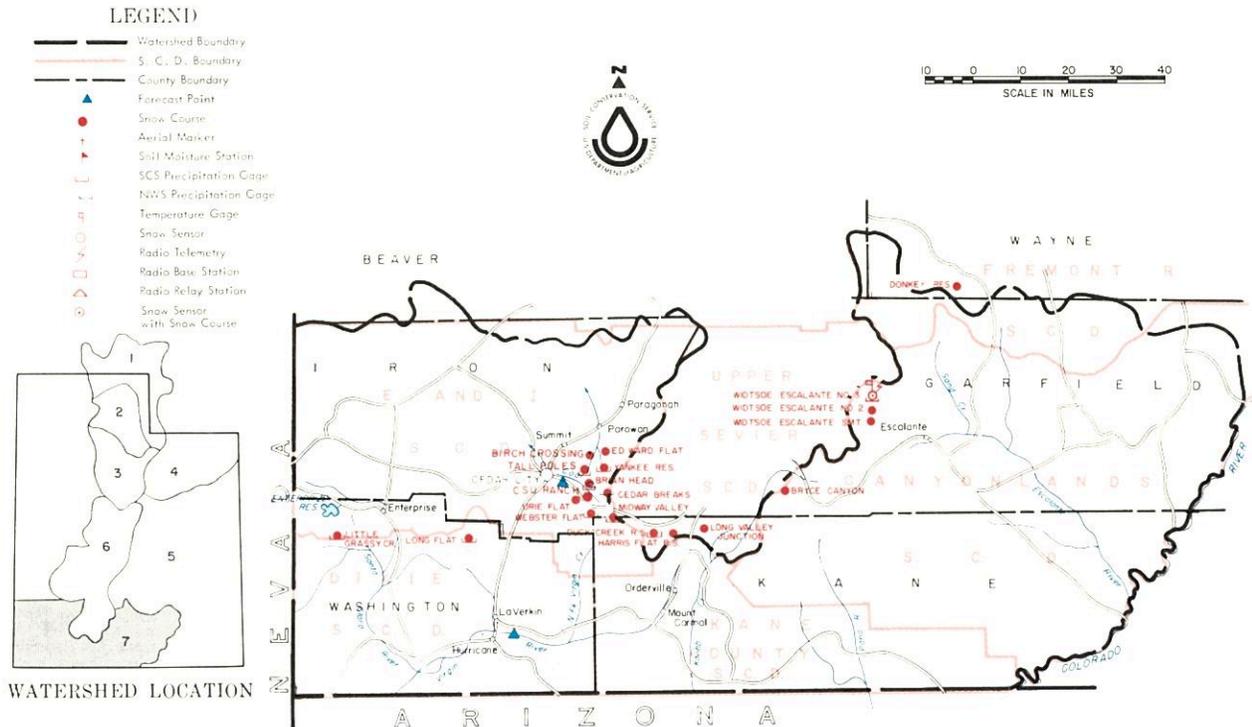
**FIRST CLASS MAIL**

*"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-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1972

The 1972 Water Supply Outlook is above average for Southwestern Utah.

Snow Cover ranges from 151% of the February 1 average on Parowan Creek to 178% on the Upper Escalante River. Virgin River snow cover was 155% of the 15-year average (1953-67) for February 1 and Coal Creek was 166% of average.

Reservoir Storage in Lake Powell is now 12,943,000 acre feet or 250% of average and about 5% above last year on February 1.

Streamflow Forecasts range from 118% of average (45,000 a.f.) on the Virgin River near Virgin for the April-June period to 138% (19,000 a.f.) of the April-July average on Coal Creek. The Inflow to Lake Powell is expected to be 8,628,000 a.f. (132%) during the April-July period. Last year the inflow was 8,378,000 acre feet during this same period. Other streams in this area such as the Santa Clara river and Parowan Creek are expected to produce 20 to 30% above average flows this season. Snow melt peak flows in this area are expected to be above average this year, but not as high as 1969 flows.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

FEBRUARY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>VIRGIN RIVER</u> Virgin nr Virgin	45	118	Apr-June		38
<u>COAL CREEK</u> Coal Crk nr Cedar City	19.0	138	Apr-July		13.8
<u>UPPER COLORADO</u> Lake Powell Inflow	8628	132	Apr-July	8378	6527

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Colorado</u>	Lake Powell	25002.0	12943.0	12228.0	5161.7b
b - Average for all past record - less than 15 years					

EAST GARFIELD, KANE, WASHINGTON & IRON CO.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	1/26	23	6.7	3.7	4.0
Widtsoe-Escalante #2	9500	1/26	32	9.0	4.8	5.2
Widtsoe-Escalante #3	9500	1/26	39	11.4	6.1	6.0b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	1/28	14	3.4	3.2	2.6
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	1/27	22	6.8	6.2	- -
Duck Creek R. S. x	8700	1/25	38	12.4	9.6	7.6b
Harris Flat x	7700	1/25	13	4.3	7.9	4.7b
Long Valley Junction	7500	1/25	1	0.4	4.3	2.2b
Midway Valley x	9800	1/27	61	20.4	14.2	12.2b
Urie Flat	8450	1/27	23	7.4	5.4	4.1b
Webster Flat	9200	1/27	45	14.8	11.3	8.9
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	1/28	20	5.5	3.3	- -
Brian Head	10000	1/28	57	18.5	12.3	- -
Tall Poles	8800	1/28	42	12.8	8.4	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	1/26	0.05	2.30b	11.34	7.65b	148
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8560	1/25	1.05	3.27b	15.91	10.18*	156
Webster Flat	9200	1/27	0.90	3.53*	17.15	11.29*	152
<u>COAL CREEK</u>							
Webster Flat x	9200	1/27	0.90	3.53*	17.15	11.29*	152
<u>PAROWAN CREEK</u>							
Tall Poles	8800	1/28	0.60	- -	13.59	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE  
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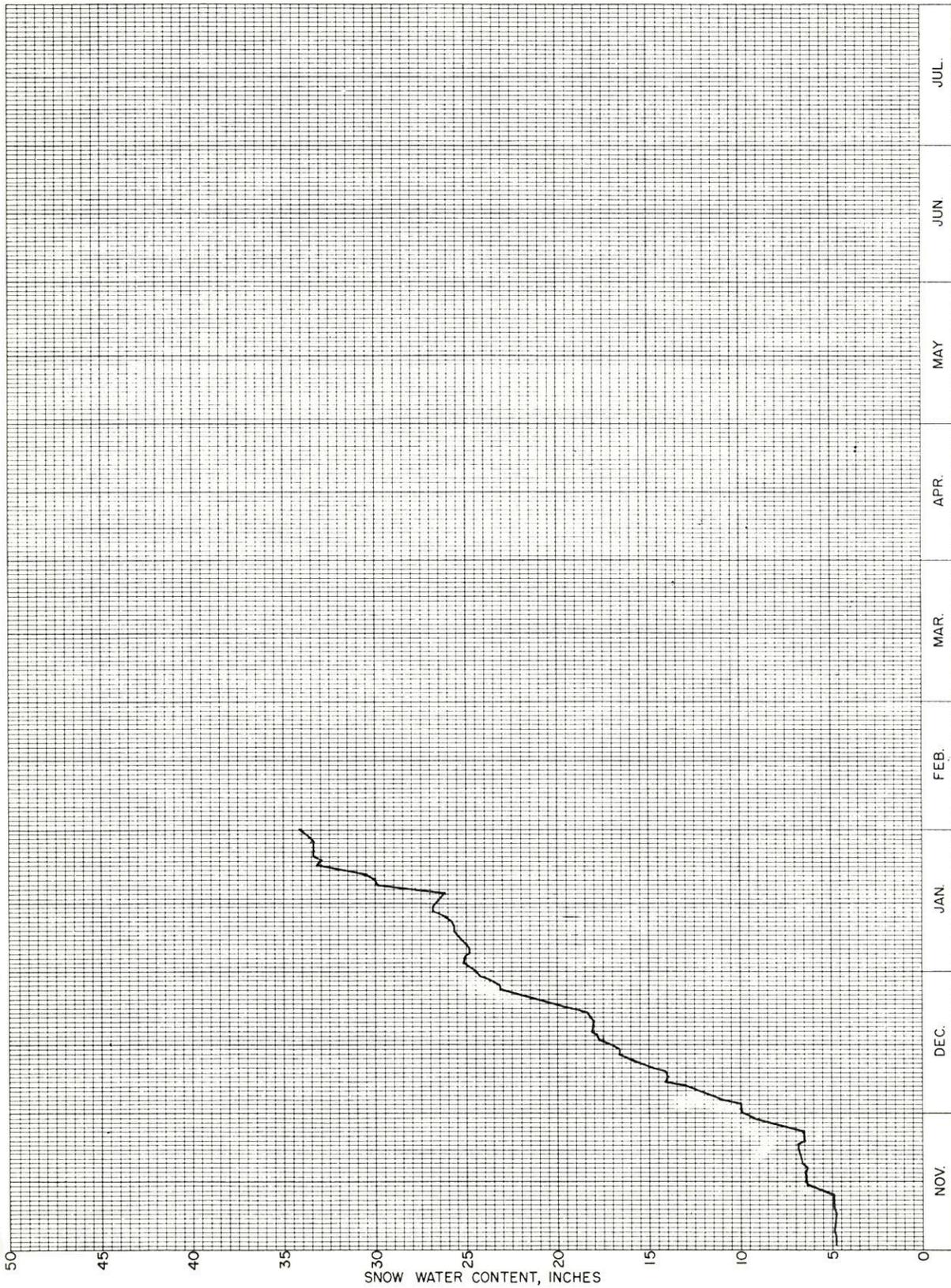
**FIRST CLASS MAIL**

*"The Conservation of Water begins with the Snow Survey"*

FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

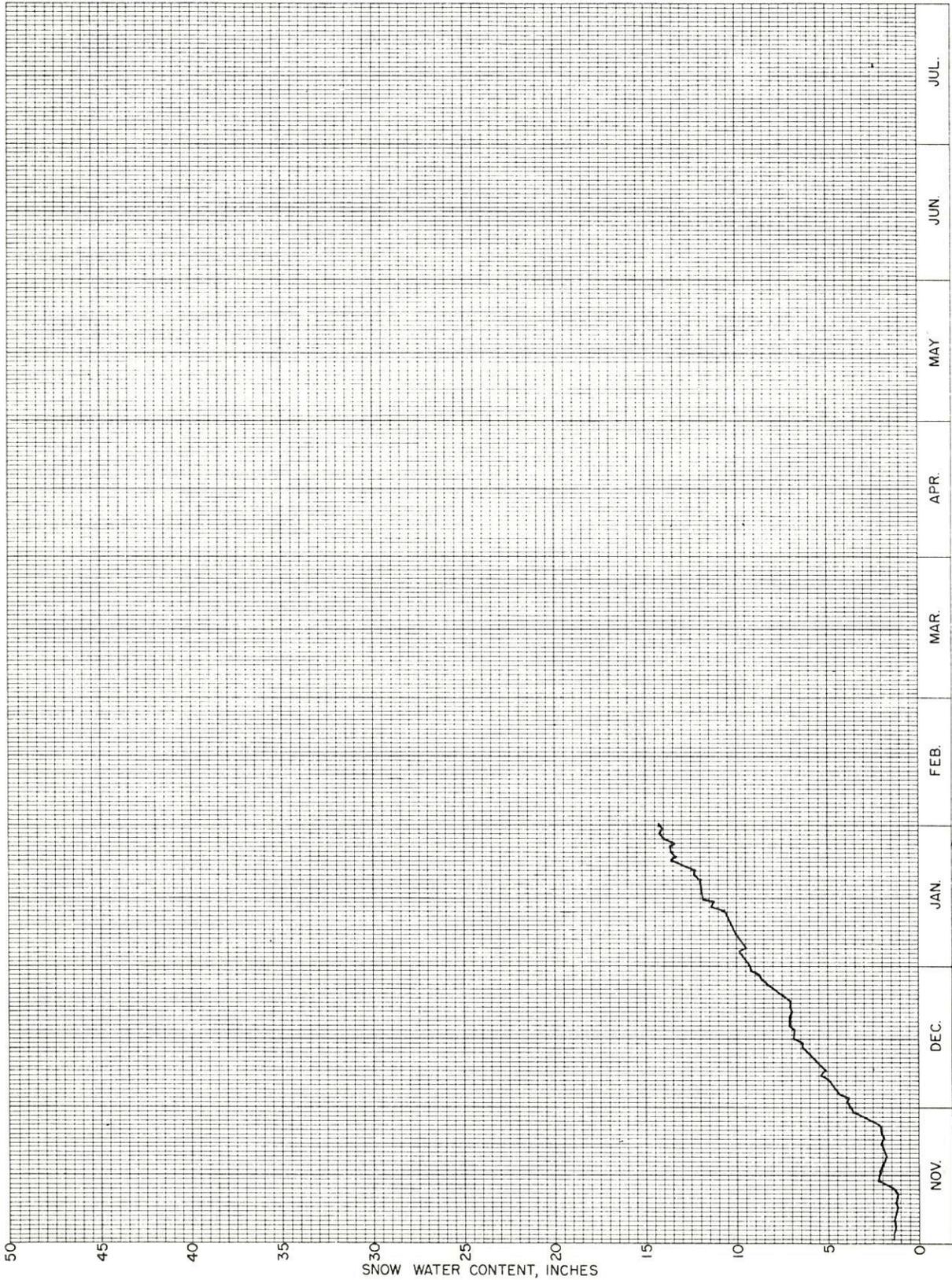
No. 11J11 Elev. 8000 Drainage: Farmington Creek



PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

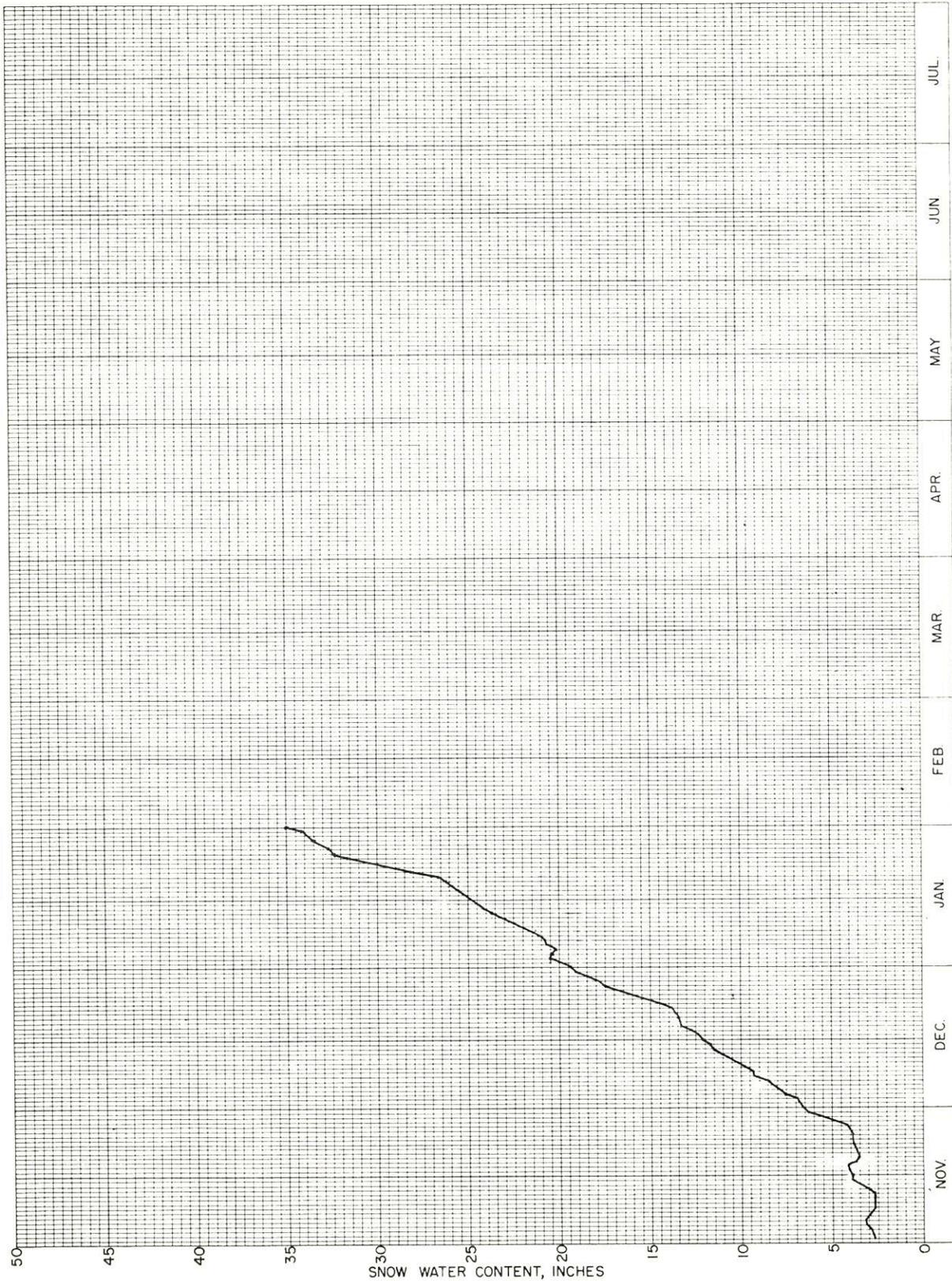
No. 11J15 Elev. 7500 Drainage: East Canyon Crk. - Weber River



HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11H21 Elev. 8260 Drainage: Lost Creek





**FEDERAL-STATE-PRIVATE  
COOPERATIVE SNOW SURVEYS**



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**MAR. 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**

ADMINISTRATOR  
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WASHINGTON, D.C.



*Released by*

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SALT LAKE CITY, UTAH

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DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84111



# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

March 1, 1972

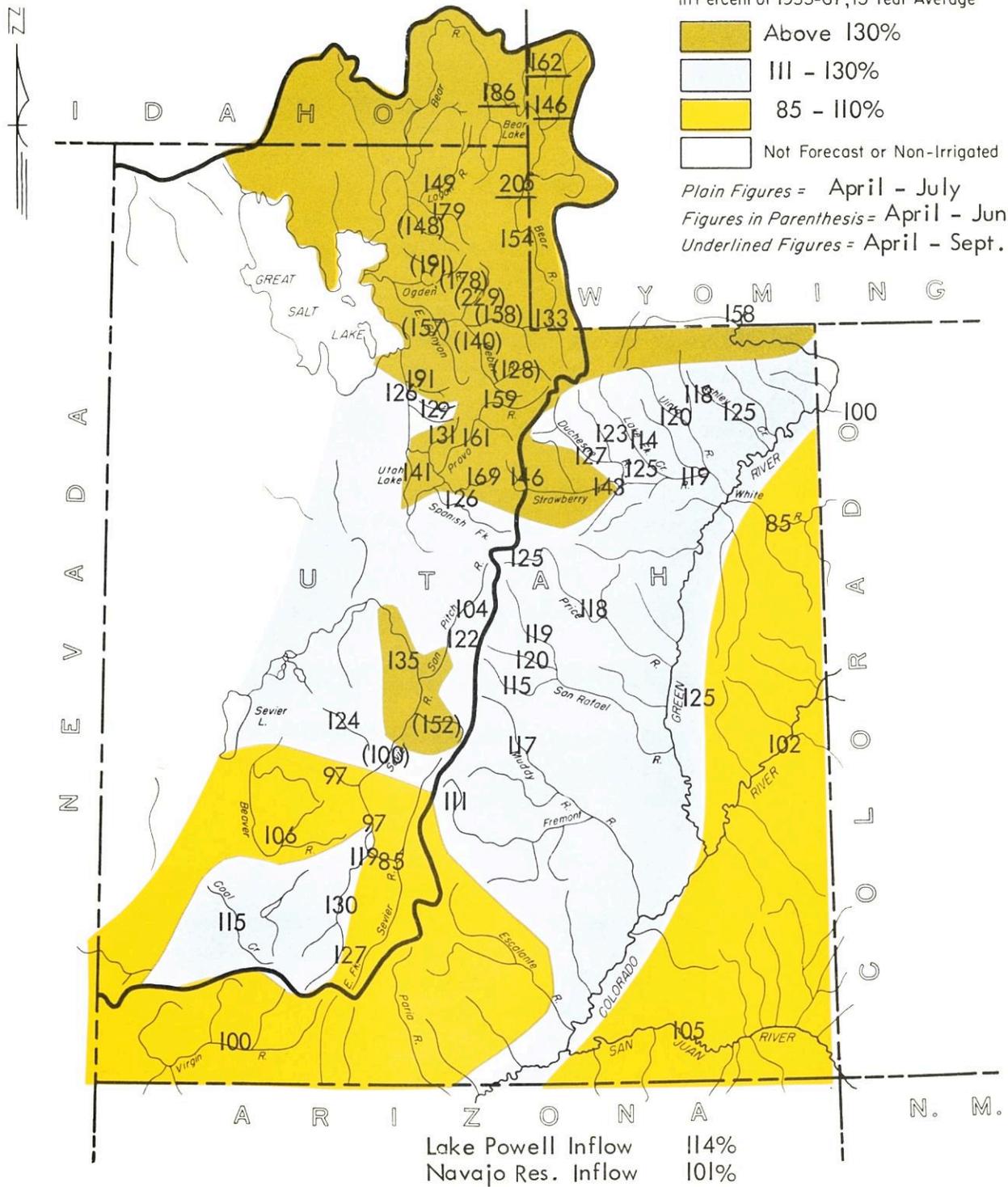
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = April - July  
Figures in Parenthesis = April - June  
Underlined Figures = April - Sept.





# WATER SUPPLY OUTLOOK

as of  
MARCH 1, 1972

\* \* \* \* \*  
\* The 1972 Water Supply Outlook for Utah remains "average" to \*  
\* "excellent". Snow cover ranges from near average in Central \*  
\* and Southern Utah to well above average in Northern Utah. \*  
\* Reservoir storage is above average and streamflow forecasts \*  
\* range from near average to twice average. \*  
\* \* \* \* \*

Snow Cover ranges from 97% of the March 1 average on Ephraim Creek in Central Utah to 176% of average on Lost Creek in Northern Utah. Precipitation was generally very light during the month in southern Utah and coupled with warmer than average temperatures, many snow courses lost water content instead of making their usual February gains. Snow courses in the remainder of the State did not lose water content but had less than average increases except on the Upper Ogden watershed and Lower Bear River area in Wyoming and Idaho where above average increases were measured.

Reservoir Storage in 14 principal reservoirs (excluding those of the Colorado River Storage Project) increased 29,960 a. f. during February and is now 143% of the March 1 average for the 1953-67 15-year period. The three Sevier River reservoirs (Otter Creek, Piute and Sevier Bridge) contained 268,650 a.f. or 193% of their March 1 average.

Colorado River storage decreased 5,400 a.f. during the month and is now 54% of capacity.

Great Salt Lake The elevation of Great Salt Lake was 4,198.80 feet above mean sea level, 2.00 feet higher than a year ago, and 7.45 feet above the alltime record low of October 1963. The lake rose 0.45 foot during the month and is 0.65 foot above the high of last year which occurred July 1. This was the highest level reached by the lake since July 1954 according to the U.S. Geological Survey.

Streamflow Forecasts now range from 85% of average for Minersville Reservoir Inflow and the East Fork of the Sevier to better than twice average for Lost Creek, Big Creek, and the Bear River near Randolph. South Fork of the Ogden is expected to produce 178% of its April-June average and the Inflow to Pineview Reservoir is forecast at 189% of average. The Lower Bear near Harer is expected to be 186% of the April-September average, the Logan River 149% and the Blacksmiths Fork 179% of the April-July average. The Inflow to Utah Lake is expected to be 141% of average and the Provo at Hailstone 159% of the April-July average. Uintah Basin forecasts range from 118% on Whiterocks to 143% on the Strawberry at Duchesne.

The Inflow to Flaming Gorge Reservoir is forecast at 158% of the April-July average and Lake Powell Inflow is expected to be 114% of average.

## WATER SUPPLY OUTLOOK (continued)

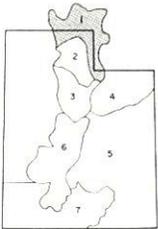
Price and San Rafael River forecasts range from 115% on Ferron and Gooseberry Creek to 125% for Scofield Inflow. Sevier River forecasts range from 85% on the East Fork to 162% for the Inflow Vermillion to Gunnison. Beaver River is forecast at 95% of average, Coal Creek 115% and the Virgin River 100%.

# WATER SUPPLY OUTLOOK

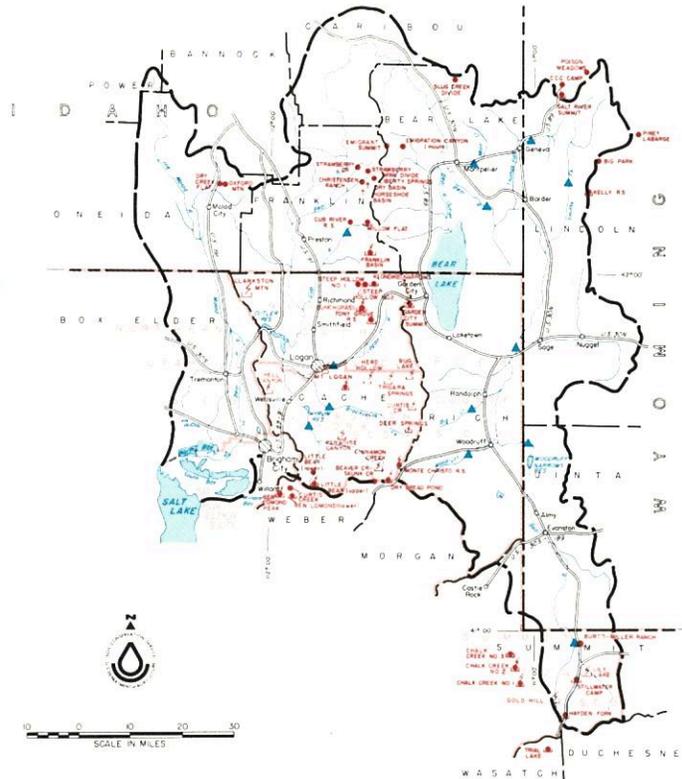
## BEAR RIVER BASIN in UTAH

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

- LEGEND**
- Water-Aid Boundary
  - U. S. D. Boundary
  - County Boundary
  - Flowline Point
  - Flow Course
  - Actual Market
  - Soil Moisture Station
  - SEC Reservoir in Gage
  - NWS Reservoir in Gage
  - Temperature Gage
  - Flow Sensor
  - Ripid Telemetry
  - Rock Base Station
  - Ripid Relay Station
  - Soil Sensor with Snow Course



WATERSHED LOCATION



MARCH 1, 1972

The 1972 Water Supply Outlook for Bear River Basin is "Excellent".

Snow Cover now ranges from 137% of the March 1 average above Evanston to 162% on the Malad in Idaho. The lower Bear including the Smith's Fork averages about 150%. Logan River snow cover is now 138% of average or about 10% less than last year at this time. Blacksmith Fork-Little Bear snow cover is now 154% of the March 1 average. Most snow courses on the lower Bear in Idaho and Wyoming received above average February increases while those on the upper Bear had less than average increases in water content.

Reservoir Storage is above average(124%) in Bear Lake and Woodruff Narrows is still full, 149% of its March 1 average. Hyrum had 10,800 a.f. and Porcupine 3,200 a.f. on March 1.

Streamflow Forecasts raised 9 to 22% on the lower Bear in Idaho and Wyoming due to above average increases to the snow pack but dropped as much as 19% on other tributaries. The Thomas Fork is forecast to produce 51,000 a.f. (162%), Smith's Fork 158,000 a.f. (146%) and the Bear at Harer, Idaho, 420,000 a.f. (186%) during the April-September period. The Bear at Utah-Wyoming Line is expected to flow 141,000 a.f. (133%) and at Woodruff 160,000 a.f. (154%). Big Creek is expected to produce 10,000 a.f. (208%) and Woodruff Creek 25,000 a.f. (185%) which combines with the Bear below Woodruff to make the expected flow at Randolph 150,000 a.f. (205%) during the April-July period.

Logan River is expected to produce 148,000 a.f. (149%), Blacksmith Fork 75,000 a.f. (179%) during the April-July period and Little Bear 62,000 a.f. (148%) during the April-June period. Peak flows of streams in this area are expected to be higher than average again this year.

Report prepared by  
 BOB L. WHALEY  
 U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

9410-103-00000-0000-1011-107-02-2027-1-1-L

MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho (1)	420	186	Apr-Sept		226
Bear nr Randloph	150	205	Apr-July		73
Bear nr Ut-Wyo. State Line	141	133	Apr-July	138	106
Bear nr Woodruff	160	154	Apr-July		104
Big Crk nr Randolph, Utah	10.0	208	Apr-July		4.8
Blacksmith Fork nr Hyrum	75	179	Apr-July	99	42
Little Bear nr Paradise	62	148	Apr-June		42
Logan nr Logan (1)	148	149	Apr-July	203	99
Smith's Fork nr Border, Wyoming	158	146	Apr-Sept		108
Thomas Fork nr Ut-Wyo State Line	51	162	Apr-Sept		31
Woodruff Crk nr Woodruff, Utah	25	185	Apr-July		13.5

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Bear River</u>	Bear Lake	1421.0	1081.3	1095.2	871.4
	Woodruff Narrows	26.5	26.5	26.5	17.8b
<u>Little Bear</u>	Hyrum	15.3	10.8	10.6	11.0
	Porcupine	11.3	3.2	6.3	--

**PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek near Randolph	83 - 123	43
Logan River near Logan	1025 - 1400	911
Woodruff Creek nr Woodruff	273 - 449	220

- (1) - Observed flow corrected for change in storage and diversions
- (3) - Data obtained by radio - USU-SCS cooperative sites
- b - Average of all past records within the 15-yr period, but less than 15 years.
- x - Adjacent drainage
- \* - Partly estimated

BEAR RIVER BASIN

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER BEAR RIVER</u> <u>(Above Harer, Idaho)</u>						
Big Park x	8700	2/25	78	24.3	26.0	16.8
CCC Camp x	7500	2/28	48	15.8	17.3	10.2
Chalk Creek #1 x	9100	2/24	64	22.2	24.4	17.7*
Chalk Creek #2 x	7900	2/24	48	15.2	15.3	11.1
Chalk Creek #3 x	7500	2/24	30	9.0	8.1	6.1
Kelly Ranger Station	8200	2/25	71	22.6	22.3	15.2*
Monte Cristo R. S.	8960	2/28	83	31.7	34.4	20.2*
Piney LaBarge #2	8820	2/26	90	29.5	28.6	- -
Poison Meadows x	8500	2/26	116	36.4	36.6	24.4*
Salt River Summit x	7900	2/28	63	21.4	21.6	13.3
Smith & Morehouse x	7600	2/25	46	14.3	13.0	10.1
Trial Lake x	9800	2/29	84	27.9	28.5	20.7
LaBarge G. S.	9500	2/26	112	37.2	38.7	- -
<u>LOWER BEAR RIVER</u> <u>(Below Harer, Idaho)</u>						
Beaver Creek-Skunk Creek	7150	2/28	44	15.6	12.8	9.6
Christensen Ranch	5600	2/28	27	7.6	10.6	7.3*
Cub River R. S.	5400	2/28	27	8.5	10.2	7.5*
Dry Bread Pond x	8230	2/28	59	21.0	20.7	14.3
Dry Creek Flat	6350	2/28	28	10.1	10.8	6.2*
Emigration Canyon	6500	2/25	50	14.7	13.0	8.6*
Emigrant Summit	7350	2/25	82	28.7	31.6	19.2*
Garden City Summit	7600	2/23	62	21.8	20.8	15.1
Klondike Narrows	7400	2/23	64	23.0	25.2	16.7b
Little Bear (lower)	6000	2/25	37	11.4	11.8	7.6b
Little Bear (upper)	6550	2/25	46	15.6	13.4	9.4b
Monte Cristo R. S.	8960	2/28	83	31.7	34.4	20.2*
Oxford Mountain	6800	2/28	38	12.9	11.5	8.0*
Slug Creek Divide	7225	2/25	61	19.0	19.4	13.1*
Steep Hollow #1	8500	2/23	102	37.7	45.8	29.4b
Steep Hollow #2	7700	2/23	80	29.0	31.2	22.4b
Strawberry Creek	5800	2/28	36	11.9	12.4	9.3*
Strawberry Mink Divide	6800	3/1	67	25.9	25.8	17.2*
Tony Grove R. S.	6250	2/23	47	16.8	14.1	9.5
Willow Flat	6100	2/28	47	16.9	18.3	12.7*
Liberty Spring	8600	3/1	113	43.4	46.9	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Chalk Creek #1 x	9100	3/2	2.23	- -	22.80	- -	- -
Chalk Creek #2 x	8000	2/29	1.24	3.02b	15.94	11.82*	135
Chalk Creek #3 x	7500	2/24	0.88	1.82b	13.95	10.19b	137
Cinnamon Crk. (3)	7300	2/29	1.57	- -	18.89	- -	- -
Curtis Creek (3)	8450	2/29	3.87	- -	27.87	- -	- -
Dry Bread Pond	8230	2/28	2.35	4.47*	21.23	16.22*	131
Franklin Basin (3)	8000	2/29	5.03	- -	25.99	- -	- -
Garden City Summit	7600	2/23	2.38	3.22*	21.82	14.74	148
Gold Hills (3)	10000	2/29	2.54	- -	22.85	- -	- -
Kelly R. S.	8200	2/25	2.60	- -	21.00	- -	- -
Klondike Narrows	7400	3/2	5.31	5.24b	26.45	19.39	136
Little Bear (upper)	6850	2/29	1.13	- -	23.89	15.36	156
Monte Cristo #2 (WB)	8960	2/28	3.11	4.94b	27.66	19.68	141
Sagebrush Flat x	6300	2/28	1.31	2.48b	16.77	10.76	156
Salt River Summit	7900	2/28	2.70	3.51b	19.45	12.98	150
Tony Grove R. s. (SCS)	6250	2/29	2.78	3.10	26.50	14.09*	188
Trial Lake x	9800	2/29	2.60	4.47	12.82	17.36	74
Willow Flat	6100	2/28	2.26	4.72*	22.10	17.52	126
Clarkston (3)	6300	2/29	1.64	- -	22.85	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
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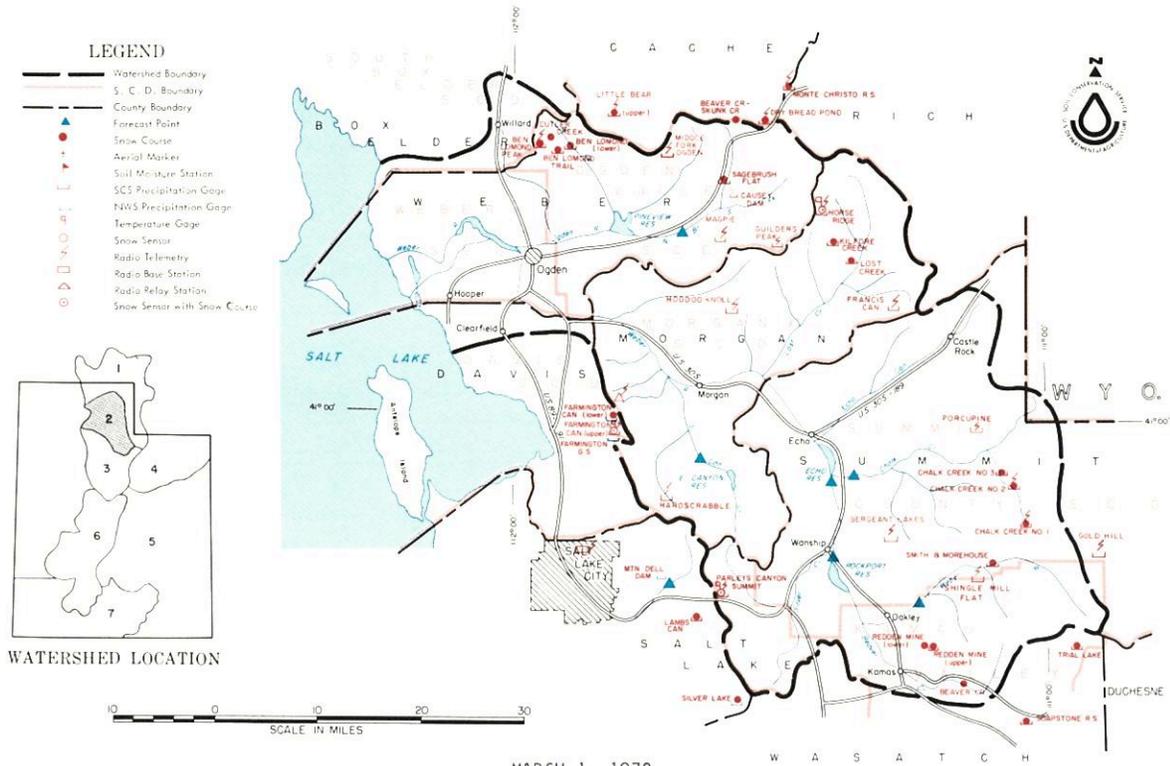


*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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



MARCH 1, 1972

The 1972 Water Supply Outlook for the Weber and Ogden Basins is excellent.

Snow Cover ranges from 131% of the March 1 average on East Canyon Creek to 176% on Lost Creek. The Upper Weber and Chalk Creek both have 133% of the March 1 average snow water content. Ogden River basin has 152% of average water content. The only snow courses receiving above average increases for the month were Monte Cristo and Sagebrush Flat.

Reservoir Storage was decreased during February to make space for spring runoff but still remains well above average. Pineview had 66,800 a.f. on March 1 or 248% of its average. East Canyon held 37,500 a.f. on March 1 and held 39,000 a.f. last year at this time. Lost Creek held 14,600 a.f. and held 13,800 a.f. last year. Echo held 55,500 a.f. on March 1 or 155% of its average and Rockport held 26,200 a.f. or 110% of average. Willard Bay now has 171,800 a.f. and last year held 185,000 a.f. on March 1.

Great Salt Lake is now 4198.80 feet above mean sea level and 2.0 feet above last year at this time. This is 7.45 feet above the alltime record low of October 1963 according to the U. S. Geological Survey.

Streamflow Forecasts for the April-June period range from 125% (137,000 a.f.) for Rockport Inflow to 224% (26,000 a.f.) for Lost Creek. The South Fork of the Ogden is forecast to produce 82,000 a.f. (178%) and Pineview Reservoir Inflow is expected to be 170,000 a.f. (189%). The Weber at Oakley is forecast to produce 119,000 a.f. (128%), near Coalville 140,000 a.f. (140%) and Chalk Creek is expected to produce 41,000 a.f. (158%). East Canyon forecast indicates 27,000 a.f. (157%) and Hardscrabble 22,000 a.f. (163%) during the April-June period.

Streams in this area are expected to have higher than average snow melt peak flows again this season.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

USDA SOIL CONSERVATION SERVICE, INT. MT-0-220327-2-L

MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	41	158	Apr-June	- -	26
East Canyon Crk nr Morgan (1)	27	157	Apr-June	27	17.2
Hardscrabble Crk nr Porterville	22	163	Apr-June	- -	13.5
Lost Crk nr Croydon, Utah	26	224	Apr-June	24	11.6
Pineview Reservoir Inflow (2)	170	189	Apr-June	160	90
South Fork Ogden nr Huntsville	82	178	Apr-June	- -	46
Rockport Reservoir Inflow (1)	137	125	Apr-June	- -	110
Weber nr Coalville (1)	140	140	Apr-June	- -	100
Weber nr Oakley	119	128	Apr-June	124	93

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek near Croydon	360 - 500	171
So. Fork Ogden nr Huntsville	800 - 1100	643

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ogden</u>	Causey	7.1	0.6	1.9	- -
	Pineview	110.1	66.8	24.4	26.9
<u>Weber</u>	East Canyon	48.1	37.5	39.0	11.2
	Echo	73.9	55.5	61.8	35.7
	Lost Creek	20.0	14.6	13.8	- -
	Rockport	60.9	26.2	21.3	23.8
	Willard Bay	193.3	171.8	185.0	- -

(1) - Observed flow corrected for change in storage and diversions.  
 (2) - Inflow record as computed by U. S. Bureau of Reclamation  
 b - Average of all past records within the 15-year period, but less than 15 years  
 x - Adjacent drainage  
 \*\* - Snow pillow reading cooperatively by Park City Resort  
 \* - Partly estimated  
 (3) - Data obtained by radio - USU-SCS cooperative sites

WEBER-OGDEN WATERSHEDS

SNOW

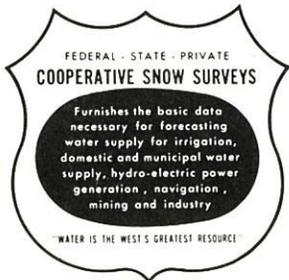
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Creek	7150	2/28	44	15.6	12.8	9.6
Ben Lomond (lower)	6000	2/24	48	17.7	17.0	11.4b
Ben Lomond Peak	8000	2/24	94	38.0	36.2	26.2b
Ben Lomond Trail	6000	2/24	54	21.5	18.2	11.3b
Cutler Creek	6780	2/24	81	32.7	25.7	20.0b
Dry Bread Pond	8230	2/28	59	21.0	20.7	14.3
Monte Cristo R. S.	8960	2/28	83	31.7	34.4	20.2*
Sagebrush Flat	6300	2/28	18	7.0	5.5	4.0
<u>WEBER RIVER</u>						
Beaver Creek R. S.	7500	2/29	28	8.4	9.5	7.3
Chalk Creek #1	9100	2/24	64	22.2	24.4	17.7*
Chalk Creek #2	7900	2/24	48	15.2	15.3	11.1
Chalk Creek #3	7500	2/24	30	9.0	8.1	6.3
Farmington Canyon (lower) x	6950	2/25	70	23.2	23.7	16.9
Farmington Canyon (upper) x	8000	2/25	98	36.7	32.6	20.9
Horse Ridge	8260	2/29	80	30.4	27.0	- -
Kilfore Creek	7300	2/29	57	19.3	15.9	- -
Lamb's Canyon x #1	6600	2/28	52	17.3	16.0	11.6
Lamb's Canyon #2 x	7400	2/28	52	18.1	- -	- -
Park City Smt.	9300	2/26	114	43.2	- -	- -
Parley's Canyon Smt.	7500	2/28	61	20.2	17.8	14.2
Redden Mine (lower)	8500	2/28	52	17.8	17.6	13.9
Redden Mine (upper)	9000	2/28	57	20.4	20.1	15.5
Silver Lake x	8725	2/28	66	23.2	19.1	18.9
Smith & Morehouse	7600	2/25	46	14.3	13.0	10.1
Trial Lake x	9800	2/29	84	27.9	28.5	20.7
Lost Creek Reservoir	6125	2/29	26	9.8	- -	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>OGDEN RIVER</b>							
Ben Lomond (lower)	5850	2/24	1.09	4.39b	29.72	19.85*	150
Ben Lomond Trail	6000	2/24	1.30	4.41b	29.73	21.48*	138
Causey Dam	5500	2/28	1.51	1.92b	18.43	12.58*	146
Dry Bread Pond	8230	2/28	2.35	4.47*	21.23	16.22*	131
Monte Cristo #2 x (WB)	8960	2/28	3.11	4.94b	27.66	19.68	141
Sagebrush Flat	6300	2/28	1.31	2.48b	16.77	10.76	156
<b>WEBER RIVER</b>							
Chalk Creek #1	9100	3/2	2.23	- -	22.80	- -	- -
Chalk Creek #2	8000	2/29	1.24	3.02b	15.94	11.82*	134
Chalk Creek #3	7500	2/24	0.88	1.82b	13.95	10.19b	137
Farmington G.S.	7500	2/25	2.28	4.69	35.04	21.73	161
Farmington Rice	7000	2/25	1.98	4.38	31.44	19.73	159
Horse Ridge	8260	2/29	- -	- -	29.75	- -	- -
Parley's Canyon Smt.	7500	2/28	2.20	3.94	20.30	15.58	130
Sergeant Lakes (3)	8400	2/29	1.19	- -	18.43	- -	- -
Silver Lake (Brighton)	8725	2/29	2.13	3.40	26.96	19.11	141
Smith & Morehouse	7600	2/25	1.80	3.19b	18.72	12.98	144
Trial Lake x	9800	2/29	2.60	4.47b	12.82	17.36	74
Redden Mine (upper)	9000	2/28	- -	- -	22.89	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE  
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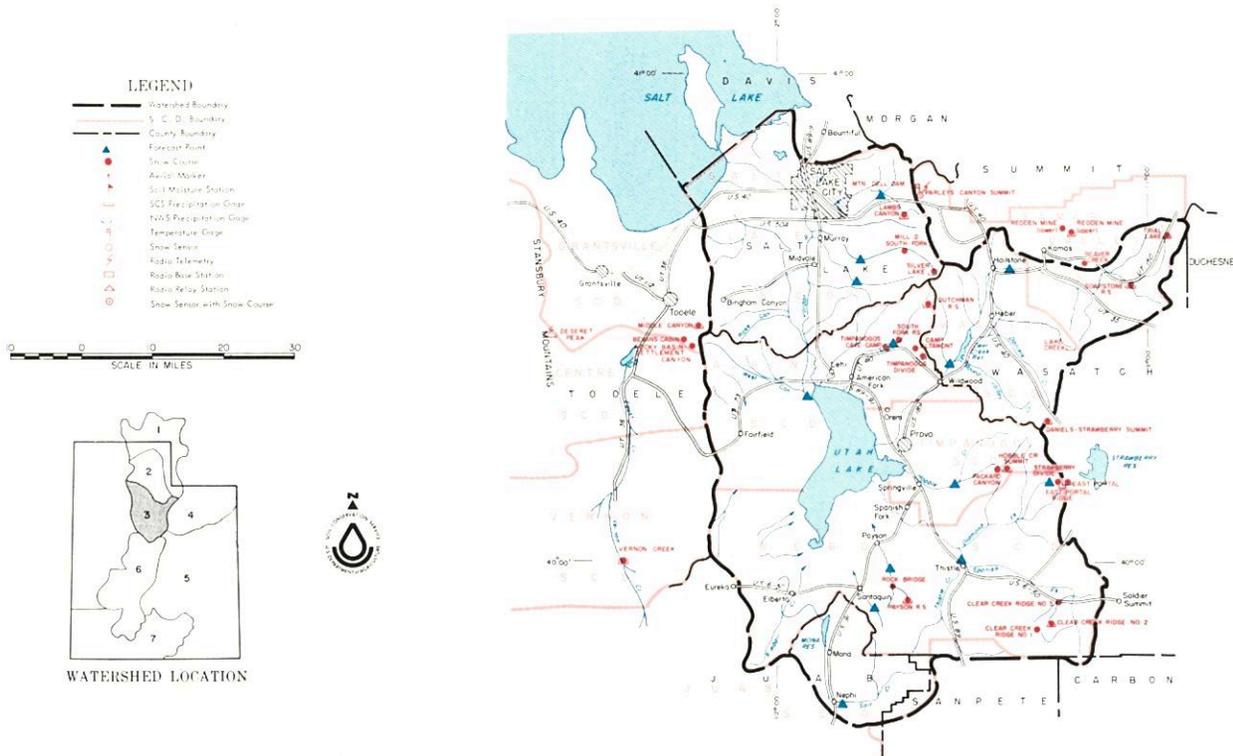
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*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS



MARCH 1, 1972

The 1972 Water Supply Outlook for Utah Lake, Jordan River and Tooele Valley Watersheds is "above average".

Snow Cover received well below average increases due to a very dry February and now ranges from 105% of the March 1 average on Payson Creek to 132% of average on creeks flowing into the Jordan River near Salt Lake. Spanish Fork and Hobbler Creek snow cover is 110% of average, American Fork is 107% average and the Upper Provo is 124% of the March 1 average. Strawberry Basin above the Reservoir is 129% of average.

Reservoir Storage is well above average. Strawberry now holds 198,200 a.f. (165%) and Utah Lake has 829,200 a.f. (148%). Utah Lake is now 0.58 feet below Compromise and is releasing water to hold the level as near Compromise as possible.

Streamflow Forecasts dropped due to below average increases to the snow pack during February. Forecasts now range from 126% (34,000 a.f.) for Spanish Fork to 191% (18,000 a.f.) for Parleys Creek. Farmington Creek is expected to produce 11,700 a.f. (172%), Big Cottonwood 43,000 a.f. (126%) and Little Cottonwood 42,000 a.f. (127%) during the April-July period. American Fork is forecast at 131% of average (34,000 a.f.), the Provo at Hailstone 159% (138,000 a.f.) and 155,000 a.f. (161%) below Deer Creek Dam. Hobbler Creek is forecast to produce 22,000 a.f. (169%) and Utah Lake Inflow is expected to be 274,000 a.f. (141%) or about 33,000 acre feet more than last year during the April-July period. Strawberry Reservoir Inflow is expected to be 60,000 a.f. (146%) during the same period. Settlement Canyon is expected to produce 2,250 a.f.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK 0000 1971 107-0-22027-3-L

MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	34	131	Apr-July	- -	26
Hobble Crk nr Springville	22	169	Apr-July	- -	13.0
Provo nr Hailstone (1)	138	159	Apr-July	- -	87
Provo below Deer Crk Dam (1)	155	161	Apr-July	- -	96
Spanish Fork at Thistle	34	126	Apr-July	- -	27
Strawberry Reservoir Inflow (1)	60	146	Apr-July	- -	41
Utah Lake Inflow	274	141	Apr-July	241	195
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	43	126	Apr-July	42	34
Farmington Crk nr Farmington	11.7	172	Apr-July	- -	6.8
Little Cottonwood Crk nr SLC	42	127	Apr-July	41	33
Parley's Crk nr SLC	18.0	191	Apr-July	19.4	9.4
<u>TOOELE VALLEY</u>					
Settlement Canyon	2.2	129	Apr-July		1.7

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Hobble Creek near Springville	200 - 400	180
Spanish Fork near Thistle	350 - 650	307

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Spanish Fork</u>	Strawberry	270.0	198.2	190.8	120.0
<u>Utah Lake</u>	Utah Lake	883.9	829.2	846.1	558.4

(1) - Observed flow corrected for change in storage and diversions.  
 x - Adjacent drainage  
 b - Average of all past records within the 15-year period, but less than 15 years  
 \* - Partly estimated

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R. S. x	7500	2/29	28	8.4	9.5	7.3
Camp Altamont	7300	2/29	33	11.1	10.3	12.1
Clear Creek Ridge #1	9200	2/25	51	16.2	17.8	14.2b
Clear Creek Ridge #2	8000	2/25	46	12.4	14.4	11.0b
Clear Creek Ridge #3	6600	2/25	23	7.4	9.4	6.2b
Daniels-Strawberry Smt.	8000	2/25	45	14.5	13.1	11.6
Dutchman R. S.	7560	2/29	45	17.1	14.6	14.8b
East Portal	7560	2/28	34	11.1	11.0	8.6
Hobble Creek Summit	7420	2/28	35	12.5	13.8	10.7b
Packard Canyon	6400	2/28	28	8.3	10.1	8.2b
Payson R. S.	8050	2/24	39	14.0	15.8	13.9b
Rock Bridge	6750	2/24	33	10.6	11.5	9.6b
Soapstone R. S.	7800	2/29	46	13.9	13.0	10.5
South Fork R. S.	6100	2/29	1	0.6	3.1	5.0
Strawberry Divide	8000	2/28	56	20.0	19.8	15.1
Timpanogos Cave Camp	5500	2/28	0	0.0	1.8	2.3
Timpanogos Divide	8140	2/29	58	22.0	19.0	19.9
Trial Lake	9800	2/29	84	27.9	28.5	20.7
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Lamb's Canyon #1	6600	2/28	52	17.3	16.0	11.6
Middle Canyon - Tooele x	7000	2/23	35	12.5	15.6	10.1b
Mill D South Fork	7400	2/28	56	21.2	19.6	15.7
Parley's Canyon Smt. x	7500	2/28	61	20.2	17.8	14.2
Rocky Basin-Settlement Canyon	8900	2/28	64	22.8	- -	- -
Silver Lake	8725	2/28	66	23.2	19.1	18.9
Vernon Creek	7500	2/23	24	8.1	9.4	- -
Lamb's Canyon #2	7400	2/28	52	18.1	- -	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>UTAH LAKE</b>							
Clear Creek Ridge #2	8000	2/25	1.55	2.62b	14.38	11.59*	124
Daniels-Strawberry Smt.	8000	2/25	1.81	2.90b	17.78	13.85*	128
Dutchman R. S.	7500	2/29	1.50	- -	21.75	15.94b	136
East Portal Ridge	7800	2/28	1.42	3.37	16.47	13.78*	120
Hobble Creek Smt.	7300	2/28	1.60	- -	17.07	- -	- -
Payson R. S.	8050	2/24	1.30	3.84b	14.83	13.85	107
Soapstone R. S.	7800	2/29	1.98	2.71b	17.00	12.13	140
Timpanogos Divide	8200	2/29	1.20	3.94	23.75	19.89	120
Trial Lake	9800	2/29	2.60	4.47b	12.82	17.36	74
<b>JORDAN RIVER &amp; TOOELE VALLEY</b>							
Lamb's Canyon #2	7400	2/28	1.65	- -	20.20	- -	- -
Middle Canyon	7000	2/23	1.43	3.32b	11.30	12.87	87
Mt. Dell Dam	5500	3/1	0.65	2.02	11.35	9.52	119
Parley's Canyon Smt.	7500	2/28	2.20	3.94*	20.30	15.58	130
Silver Lake (Brighton)	8725	2/29	2.13	3.40	26.96	19.11	141
Vernon Creek	7500	2/23	- -	- -	15.05	- -	---
Rocky Basin-Setlment Cyn	8900	2/28	- -	- -	17.50	- -	- -

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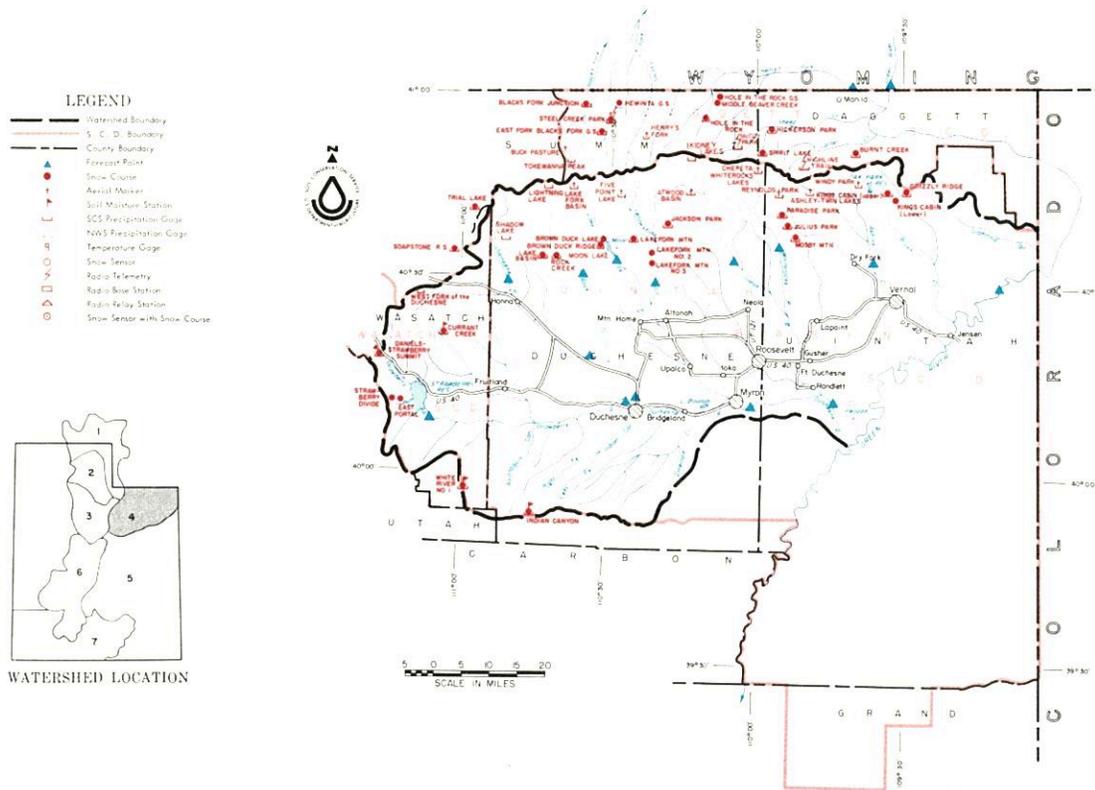
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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



MARCH 1, 1972

The 1972 Water Supply Outlook for the Uintah Basin and Daggett SCD's is still above average.

**Snow Cover** decreased during February due to little precipitation during the month and now ranges from 129% on the upper Duchesne to 159% of the March 1 average on the Uintah and Whiterocks drainages. Lakefork-Yellowstone drainages are 130% and the Strawberry 133% of average. Ashley Creek has 155% of the March 1 average water content and Henry's Fork 152%. Black's Fork snow cover is 141% of the March 1 average for the 1953-67 period.

**Reservoir Storage** is above average. Steinaker now holds 24,200 acre feet (144%), Moon Lake 17,400 acre feet (111%), Bottle Hollow about 9,000 acre feet and Starvation now holds 129,500 acre feet. Flaming Gorge storage was 2,562,000 acre feet or 205% of its average for March 1.

**Streamflow Forecasts** dropped 3 to 17% as a result of less than average increases to the snow pack and now range from 114% (75,000 a.f.) on Lake Fork to 158% (1,670,000 a.f.) for the Inflow to Flaming Gorge Reservoir during the April-July period. The Duchesne is forecast to produce 119,000 a.f. (127%) at Tabiona, 209,000 a.f. (125%) at Duchesne, 290,000 a.f. (119%) at Myton.

Strawberry River is expected to produce 70,000 a.f. (143%), Rock Creek 108,000 a.f. (123%), Yellowstone 70,000 a.f. (119%), Uintah 95,000 a.f. (120%) and Whiterocks 60,000 a.f. (118%). Ashley Creek is forecast to produce 55,000 a.f. (125%) during the April-July period and Henry's Fork 55,000 a.f. (145%) for the April-Sept period.

Mean daily peak flow is expected to fall between 1000 - 1575 cfs on Ashley Creek and 700 - 1100 cfs for the Strawberry near Duchesne during the snow melt period this year.

Report prepared by  
 BOB L. WHALEY  
 U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (1)	119	127	Apr-July		94
Duchesne at Duchesne (1)	209	125	Apr-July		167
Duchesne at Myton (1)	290	119	Apr-July		243
Duchesne at Randlett (1)	320	122	Apr-July		262
Strawberry at Duchesne	70	143	Apr-July	62	49
Rock Crk nr Mtn. Home	108	123	Apr-July		88
Lakefork below Moon Lake (1)	75	114	Apr-July		66
Yellowstone nr Altonah	70	119	Apr-July		59
Uinta nr Neola	95	120	Apr-July		79
Whiterocks nr Whiterock	60	118	Apr-July	59	51
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	55	125	Apr-July	50	44
Henry's Fork at Linwood	55	145	Apr-Sept		38
Flaming Gorge Inflow (1)	1670	158	Apr-July	1905	1054

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ashley Creek</u>	Steinaker	33.3	24.2	23.9	16.8
<u>Green River</u>	Flaming Gorge	3749.0	2562.0	1807.0	1248.0
<u>Lake Fork</u>	Moon Lake	35.8	17.4	12.4	15.7
<u>Strawberry</u>	Starvation	165.3	129.5	118.6	- -
<u>Uintah</u>	Bottle Hollow	11.3	9.0	- -	- -

(1) - Observed flow corrected for change in storage and diversions  
b - Average for all past record within 15 year period, but less than 15 years  
x - Adjacent drainage  
\* - Partly estimated

UINTAH BASIN & DAGGETT SCD's

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Daniels-Strawberry Smt. x	8000	2/25	45	14.5	13.1	11.6
East Portal x	7560	2/28	34	11.1	11.0	8.6
Indian Canyon	9100	2/29	48	14.4	10.3	9.3
Julius Park	9800	2/25	51	15.2	12.2	9.4b
King's Cabin (lower)	8600	2/23	35	9.8	8.9	6.8
King's Cabin (upper)	8730	2/23	42	12.6	11.3	7.9
Lakefork Mountain	10200	2/28	42	11.3	10.8	9.0
Lakefork Mountain #2	8900	2/28	32	8.7	7.9	6.4
Lakefork Mountain #3	8100	2/28	23	6.1	6.5	5.4
Mosby Mountain	9500	2/25	39	11.7	8.5	7.9
Paradise Park	10100	2/25	49	15.6	11.8	9.4
Soapstone R. S. x	7800	2/29	46	13.9	13.0	10.5
Strawberry Divide x	8000	2/28	56	20.0	19.8	15.1
Trial Lake x	9800	2/29	84	27.9	23.5	20.7
White River #1	8550	2/25	47	13.6	13.8	10.8b
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	2/23	38	10.7	9.1	7.2b
Black's Fork G.S.-East Fork	9300	2/23	36	11.0	9.1	7.4b
Hewinata Guard Station	9500	2/23	34	9.6	9.2	7.0b
Hickerson Park	9100	2/23	22	6.4	6.1	- -
Spirit Lake	10300	2/23	45	14.5	12.7	9.3b
Steel Creek Park	9900	2/23	56	15.7	17.2	11.8b
Burnt Creek	7900	2/24	20	4.9	6.6	- -
Grizzly Ridge	8500	2/24	35	10.4	10.5	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>UINTAH BASIN SCD</b>							
Daniels-Strawberry SMT.x	8000	2/25	1.81	2.90b	17.78	13.85b	128
East Portal Ridge x	7800	2/28	1.42	3.37	16.47	13.78*	120
Grizzly Ridge	8500	2/24	0.53	- -	14.73	- -	- -
Indian Canyon	9100	2/29	0.32	1.53b	15.00	10.74	140
Julius Park	9800	2/25	0.17	1.76*	16.01	9.38*	171
King's Cabin (upper)	8730	2/23	- -	- -	13.62	7.97*	171
Lakefork Mountain	10500	2/28	0.78	2.24b	14.96	9.18	163
Moon Lake	8150	2/29	0.10	1.16	9.10	6.41	142
Paradise Park	10100	2/25	0.30	1.92	17.28	10.30	168
Soapstone R.S.x	7800	2/29	1.98	2.71b	17.00	12.13	140
Trial Lake x	9800	2/29	2.60	4.47b	12.82	17.36	74
White River #1	8600	2/25	- -	- -	12.45	10.40*	120
Mosby Mountain	9500	2/25	0.15	- -	14.15	- -	- -
<b>DAGGETT SCD</b>							
Black's Fork Jct.	8925	2/23	- -	- -	12.76	8.00b	160
Burnt Creek	7900	2/24	0.48	- -	11.09	- -	- -
East Fork Black's Fk.G.S.	9300	2/23	- -	- -	12.56	- -	- -
Hewinta Guard Station	9500	2/23	- -	- -	13.71	- -	- -
Hickerson Park	9100	2/23	- -	- -	8.94	- -	- -
Spirit Lake	10300	2/23	- -	- -	16.19	11.33	143
Steel Creek Park	9900	2/29	1.91	- -	15.05	- -	- -

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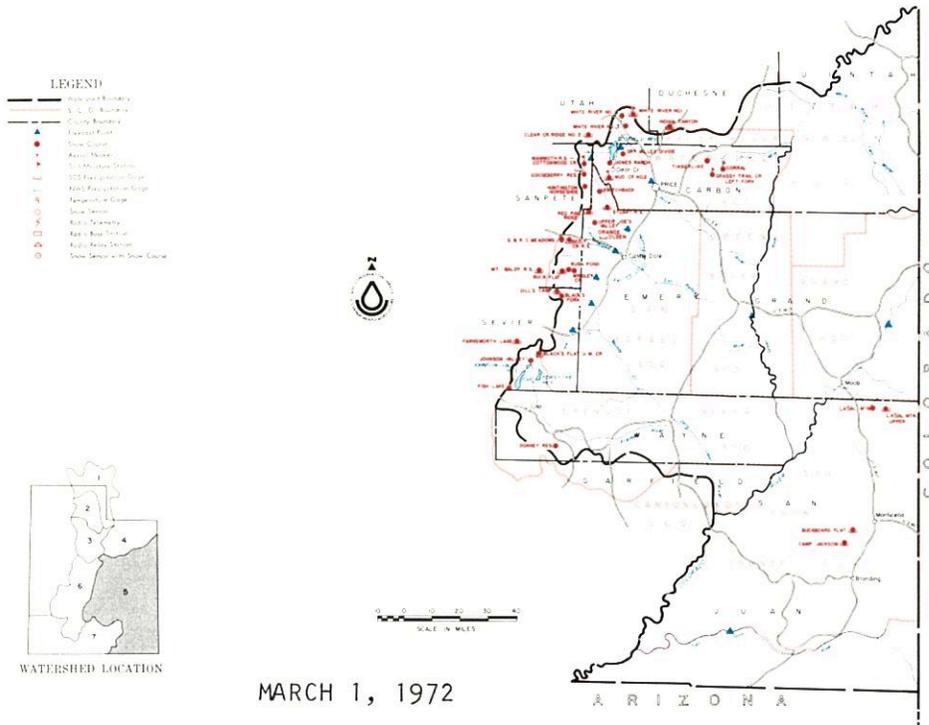
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

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



The 1972 Water Supply Outlook for Southeastern Utah dropped to "near average" after a very dry February.

Snow Cover received well below average gains during February and now ranges from 99% of the March 1 average water content on the LaSal Mountains to 130% on the Fremont River. Price River snow cover is 123% and San Rafael tributaries average 111% of the 1953-67 March 1 average.

Reservoir Storage is well above average. Scofield has 41,500 acre feet or 193% of the 15-year average (1953-67), Joe's Valley 39,100 acre feet and the new Mill Site Reservoir on Ferron Creek has 4,500 acre feet in storage with a useable capacity of 16,700 acre feet. This reservoir will supplement the water supply in this area considerably. Navajo reservoir on the San Juan now holds 875,100 acre feet.

Streamflow Forecasts in this area of the state dropped 5 to 21% and now range from 111% (6,900 acre feet) on Seven Mile Creek near Fish Lake to 125% (40,000 acre feet) for Scofield Reservoir Inflow. Gooseberry Creek above Scofield is expected to produce 11,500 acre feet during the April-July period and the Price at Heiner 64,000 acre feet (118%). Huntington Creek is forecast to produce 50,000 acre feet (110%), Cottonwood Creek 53,000 acre feet (120%) and Ferron Creek 38,000 acre feet (115%). Muddy Creek is expected to produce 19,000 acre feet or 117% of its April-July average for the 1953-67 period.

March 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	11.5	115	Apr-July		10.0
Price near Heiner (1)	64	118	Apr-July		54
Scofield Reservoir Inflow (1) m	40	125	Apr-July	34	32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	53	120	Apr-July		44
Ferron Crk nr Ferron	38	115	Apr-July		33
Huntington Crk nr Huntington	50	119	Apr-July		42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	19.0	117	Apr-July		16.2b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2872	102	Apr-July		2802
Green at Green River, Utah	3228	125	Apr-July		2574
Navajo Reservoir Inflow	625	101	Apr-July	305	619
San Juan nr Bluff, Utah	932	105	Apr-July		890
<u>FREMONT RIVER</u>					
Seven Mile Crk. nr Fish Lake	6.9	111	Apr-July		6.2b

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	400 - 680	414
Muddy Creek near Emery	140 - 270	142

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Price River</u>	Scofield	65.8	41.5	43.5	21.5
<u>San Rafael</u>	Joe's Valley	54.6	39.1	39.9	- -
	Mill Site	16.7	4.5	- -	- -
<u>San Juan</u>	Navajo	1696.4	875.1	852.0	- -

(1) - Observed flow corrected for change in storage and diversions.  
 b - Average for all past record within 15-yr period, but less than 15 years.  
 x - Adjacent drainage  
 \* - Partly estimated

CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	2/28	31	9.9	11.4	8.7
Gooseberry Reservoir	8700	2/25	43	15.3	16.4	14.4b
Indian Canyon x	9100	2/29	48	14.4	10.3	9.3
Jones Ranch	7600	2/28	13	4.7	6.4	5.8
Mammoth R.S.-Ctnwood Crk. x	8800	2/25	46	16.2	19.0	14.5b
Mud Creek #2	8300	2/28	42	14.2	11.1	10.4*
White River #1	8550	2/25	47	13.6	13.8	10.8b
White River #2	7600	2/25	33	9.0	9.0	7.5b
White River #3	7400	2/25	28	7.4	6.4	7.1b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	2/25	48	14.6	17.1	12.7b
Gooseberry Reservoir	8700	2/25	43	15.3	16.4	14.4b
Mammoth R.S.-Ctnwood Crk. x	8800	2/25	46	16.2	19.0	14.5b
Red Pine Ridge	9400	2/28	46	15.0	14.9	13.8b
Rush Pond	9800	2/25	45	12.9	13.1	11.4b
Seely Creek R.S.	10000	2/29	31	11.2	13.2	12.0
Upper Joe's Valley	8900	2/28	34	10.0	8.6	8.2b
Wrigley Creek	9000	2/25	42	11.4	10.8	9.0b
<u>MUDDY RIVER</u>						
Black's Fork	9200	2/24	39	12.6	12.2	- -
Dills Camp	9200	2/24	37	11.4	11.6	- -
Mt. Baldy R.S. x	9500	2/24	52	18.5	20.8	17.3
<u>FREMONT RIVER</u>						
Black's Flat-U.M. Crk	9250	2/24	40	11.6	9.3	7.7b
Farnsworth Lake x	9900	2/28	47	16.4	18.1	13.4b
Fish Lake	8700	2/29	21	6.8	3.9	4.7b
Johnson Valley	8850	2/24	18	5.2	2.8	4.9b
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	2/22	34	12.2	9.7	9.8b
Camp Jackson	8600	2/23	29	9.7	9.0	9.2b
LaSal Mountain (lower)	8800	2/24	22	6.4	7.6	7.2
LaSal Mountain (upper)	9400	2/24	38	11.9	12.6	11.3b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>PRICE RIVER</b>							
Clear Creek Ridge #2 x	8000	2/25	1.55	2.62b	14.38	11.59*	124
Gooseberry Reservoir	8700	2/25	1.05	3.39b	14.70	13.83	106
Indian Canyon	9100	2/29	0.32	1.53b	15.00	10.74	140
Mammoth R.S. #2	8600	2/25	1.50	3.05b	14.30	14.40	99
Mud Creek	8300	2/28	1.80	2.42*	10.90	11.31	96
White River #1	8600	2/25	- -	- -	12.45	10.46*	119
<b>SAN RAFAEL RIVER</b>							
Buck Flat	9400	2/25	1.40	3.41b	15.30	12.46*	123
G.B.R.C. Meadows x	10000	2/29	1.75	4.37	18.80	16.41	114
Gooseberry Reservoir x	8700	2/25	1.05	3.39b	14.70	13.83	106
Orange Olsen	7300	2/28	0.30	- -	8.55	- -	- -
Red Pine Ridge	9400	2/28	1.75	4.65b	18.20	15.15*	120
<b>FREMONT RIVER</b>							
Black's Flat-U.M. Creek	9250	2/24	- -	- -	11.25	8.93*	126
Farnsworth Lake x	9900	2/28	1.64	3.75b	16.34	13.52b	121
Fish Lake	8700	2/24	- -	- -	8.20	6.38b	129
<b>SOUTHEASTERN UTAH DRAINAGES</b>							
Buckboard Flat	9000	2/22	- -	- -	20.00	14.04b	142
Camp Jackson	8600	2/23	- -	2.19*	16.03	11.66	137
LaSal Mountain (upper)	9600	2/24	- -	- -	14.15	- -	- -

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MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<b>SEVIER RIVER</b>					
Chalk Creek nr Fillmore	16.4	124	Apr-July		13.2
Clear Crk nr Sevier (above Div.)	12.1	97	Apr-July		12.5b
East Fork Sevier nr Kingston (1)	10.0	85	Apr-July		11.7
Antimony Crk nr Antimony	7.0	90	Apr-July		7.8b
Inflow					
Kingston to Vermillion Dam	30	100	Apr-June		30 b
Vermillion Dam to Gunnison	73	162	Mar-June		45 b
Salina Crk at Salina (1)	9.0	152	Apr-June	12.2	5.9*
Sevier nr Circleville	35	130	Apr-July		27
Sevier nr Gunnison	42	135	Apr-July		31 b
Sevier at Hatch	42	127	Apr-July		33
Sevier nr Kingston	18.4	119	Apr-July		15.4
Sevier below Piute Dam (1)	28	97	Apr-July		29
<b>SAN PITCH RIVER</b>					
Ephraim Creek nr Ephraim	17.0	122	Apr-July		13.9b
Pleasant Crk nr Mt. Pleasant	8.1	104	Apr-July		7.8b
<b>BEAVER RIVER</b>					
Beaver nr Beaver	18.0	95	Apr-July	19.4	18.9
Minersville Reservoir Inflow (1)	4.0	85	Apr-June		4.7

**FORECAST DATE of LOW FLOW VALUES**

FORECAST POINT	Low Flow Value Second Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above Div.)	5	July 15	July 19
Salina Creek at Salina	25	June 12	June 10
Sevier at Circleville (Circle Valley)	90	June 20	June 24
Sevier at Hatch (upper)	100	July 6	July 10

**PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)**

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
<b>Sevier River</b>			
Below Vermillion Dam	70	58	Apr-Sept
Circle Valley	80	66	Apr-Sept
Panguitch Valley	100	84	Apr-Sept
Sevier Valley	42	40	Apr-Sept

**OTHER SPECIAL FORECASTS**

Below Vermillion - Flow above 360 second feet should total about 1,800 - 2,200 acre feet.

Inflow to Sevier Bridge Reservoir from October 1 to March 31 is expected to be 95,000 - 105,000 acre feet.

- (1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record within 15-yr. period, but less than 15 years.  
 \* - Partly estimated                      x - Adjacent drainage

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER</u> (South of Richfield, Utah)						
Big Flat x	10290	2/22	42	13.1	14.9	13.0
Box Creek	9800	2/25	36	10.1	9.5	9.4b
Bryce Canyon	8000	2/28	7	2.0	4.9	2.4b
Castle Valley	9700	2/25	37	13.1	12.6	9.8b
Duck Creek R. S.	8700	2/24	34	11.8	11.5	10.2
Fish Lake x	8700	2/29	21	6.8	3.9	4.7b
Harris Flat	7700	2/24	6	2.6	8.5	6.1
Kimberly Mine	9300	2/23	36	11.4	13.7	10.8b
Long Valley Jct. x	7500	2/24	0	0.0	2.7	2.2
Midway Valley	9800	2/25	58	20.9	16.0	16.5b
Panguitch Lake	8200	2/25	10	3.4	3.8	3.1
Squaw Springs	9300	2/25	22	6.3	5.7	5.3b
Widtsoe Escalante Smt.	9500	2/28	20	5.4	4.0	5.3
Widtsoe-Escalante #2	9500	2/28	29	7.8	7.0	6.8
Widtsoe-Escalante #3	9500	2/28	37	10.7	9.1	8.1b
Farview	8200	2/29	18	5.1	- -	- -
<u>LOWER SEVIER RIVER</u> (Including San Pitch River)						
Beaver Dams	8000	2/24	22	7.9	9.2	9.6
Farnsworth Lake	9900	2/28	47	16.4	18.1	13.4b
G.B.R.C. Headquarters	8700	2/29	36	11.9	13.9	12.7
G.B.R.C. Meadows	10000	2/29	53	18.7	23.4	18.7
Gooseberry R. S.	8400	2/28	28	8.8	11.6	8.8
Gooseberry Reservoir x	8700	2/25	43	15.3	16.4	14.4b
Mammoth R.S.-Ctnwood Crk.	8800	2/25	46	16.2	19.0	14.5b
Mt. Baldy R.S.	9500	2/24	52	18.5	20.8	17.3
Pine Creek	8700	2/28	30	11.4	14.3	12.1b
Rees's Flat	7300	2/23	31	9.1	13.5	8.9b
Shingle Mill	6200	2/28	22	7.6	9.4	6.5b
<u>BEAVER RIVER</u>						
Big Flat	10290	2/22	42	13.1	14.9	13.0
Merchant's Valley	8200	2/22	18	6.0	8.0	6.9
Otter Lake	9300	2/22	38	11.8	12.8	10.6

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Sevier River</u>	Gunnison	18.2	18.2	17.3	- -
	Otter Creek	52.5	35.0	46.8	23.0
	Piute	71.8	61.0	50.0	35.4
	Sevier Bridge	236.0	173.6	218.2	80.7
<u>Beaver River</u>	Minersville (Rky Fd)	23.3	15.4	16.9	10.6

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Beaver Dams	8000	2/24	- -	3.09*	11.85	11.30*	105
Big Flat	10290	2/22	0.70	3.63b	11.13	11.86	94
Box Creek	9800	2/25	- -	- -	11.76	10.13b	116
Castle Valley	9700	2/25	- -	- -	11.44	11.30b	101
Duck Creek R.S.	8560	2/24	0.30	3.27b	16.21	13.45*	120
Farnsworth Lake	9900	2/28	1.64	3.75b	16.34	13.52b	121
Fish Lake	8700	2/24	- -	- -	8.20	6.38b	128
G.B.R.C. Headquarters	8700	2/29	1.36	3.66	14.77	13.77	107
G.B.R.C. Meadows	10000	2/29	1.75	4.37	18.80	16.41	114
G.B.R.C. Oaks	7655	2/29	0.87	2.61	10.00	9.52	105
Gooseberry R.S.	7800	2/28	1.03	2.87b	11.76	9.56*	123
Gooseberry Reservoir x	8700	2/25	1.05	3.39b	14.70	13.83	106
Kimberly Mine	8900	2/23	0.54	3.24*	12.09	13.08	92
Mammoth R.S. #2 x	8600	2/25	1.50	3.05b	14.30	14.40	99
Mt. Baldy	9500	2/24	- -	3.00*	14.70	12.43	118
Panguitch Lake	8200	2/25	- -	- -	9.27	5.51b	168
Pine Creek	8700	2/28	- -	- -	19.12	16.09b	119
Shingle Mill	6200	2/28	0.93	2.98*	13.15	10.58	124
Webster Flat x	9200	2/25	0.30	3.53*	17.45	14.82*	118
Widtsoe-Escalante #3	9500	2/28	0.35	2.30b	11.69	9.95b	117
Widtsoe R.S.	7600	2/28	0.07	0.68	5.14	3.78	136
Beaver Canyon P.H.	7275			- -		- -	
Big Flat	10290	2/22	0.07	3.63b	11.13	11.86*	94
Merchant's Valley	8200	2/22	0.67	- -	9.57	- -	- -

**PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Beaver nr Beaver	150 - 350	215
Clear Creek near Sevier	130 - 150	156b
Salina Creek near Sa;oma	160 - 200	133*
Sevier River at Hatch	308 - 552	370
Sevier River at Circleville	371 - 583	292
Sevier River at Kingston	233 - 329	223

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MARCH 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	38	100	Apr-June		38
Santa Clara nr Pine Valley	1.5	45	Apr-June		3.3 <sup>b</sup>
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	15.9	115	Apr-July		13.8
<u>UPPER COLORADO</u>					
Lake Powell Inflow	7444	114	Apr-July	8378	6527

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Colorado</u>	Lake Powell	25002.0	13,112.0	12414.0	5138.0

b - Average for all past record within 15 year period, but less than 15 years  
x - Adjacent drainage  
\* - Partly estimated

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	2/28	20	5.4	4.0	5.3.
Widtsoe-Escalante #2	9500	2/28	29	7.8	7.0	6.8
Widtsoe-Escalante #3	9500	2/28	37	10.7	9.1	8.1b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	2/28	7	2.0	4.9	2.4b
Rainbow Point x	9100	2/29	15	4.5	- -	- -
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	2/25	14	5.8	8.1	- -
Duck Creek R.S.	8700	2/24	34	11.8	11.5	10.2
Harris Flat x	7700	2/24	6	2.6	8.5	6.1
Long Valley Jct.	7500	2/24	0	0.0	2.7	2.2
Midway Valley x	9800	2/25	58	20.9	16.0	16.5b
Urie Flat	8450	2/25	16	6.2	7.9	5.6b
Webster Flat	9200	2/25	40	15.1	14.0	12.2
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	2/24	14	5.7	6.1	- -
Brian Head	10000	2/24	54	18.9	17.2	- -
Ed Ward Flat	8300	2/24	20	6.9	8.2	5.3b
Tall Poles	8800	2/24	41	13.2	12.1	- -
Yankee Reservoir	8700	2/24	28	9.2	9.5	6.9b
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	2/28	0	0.0	1.2	2.3b
Long Flat	8000	2/28	5	2.1	3.9	4.3b

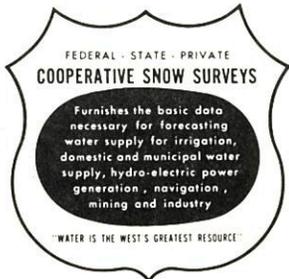
**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>ESCALANTE RIVER</b>							
Widtsoe-Escalante #3	9500	2/28	0.35	2.30b	11.69	9.95	117
<b>VIRGIN RIVER</b>							
Duck Creek R.S.	8560	2/24	0.30	3.27b	16.21	13.45*	120
Webster Flat	9200	2/25	0.30	3.53b	17.45	14.82*	118
<b>COAL CREEK</b>							
Webster Flat	9200	2/25	0.30	3.53b	17.45	14.82*	118
<b>PAROWAN CREEK</b>							
Tall Poles	8800	2/24	0.40	- -	13.99	- -	- -
Yankee Reservoir	8700	2/24	- -	2.13b	10.37	8.49	122
<b>ENTERPRISE TO NEW HARMONY DRAINAGE</b>							
Little Grassy Creek	6100	2/28	- -	- -	12.15	- -	- -
Long Flat	8000	2/28	- -	- -	10.14	8.91	114

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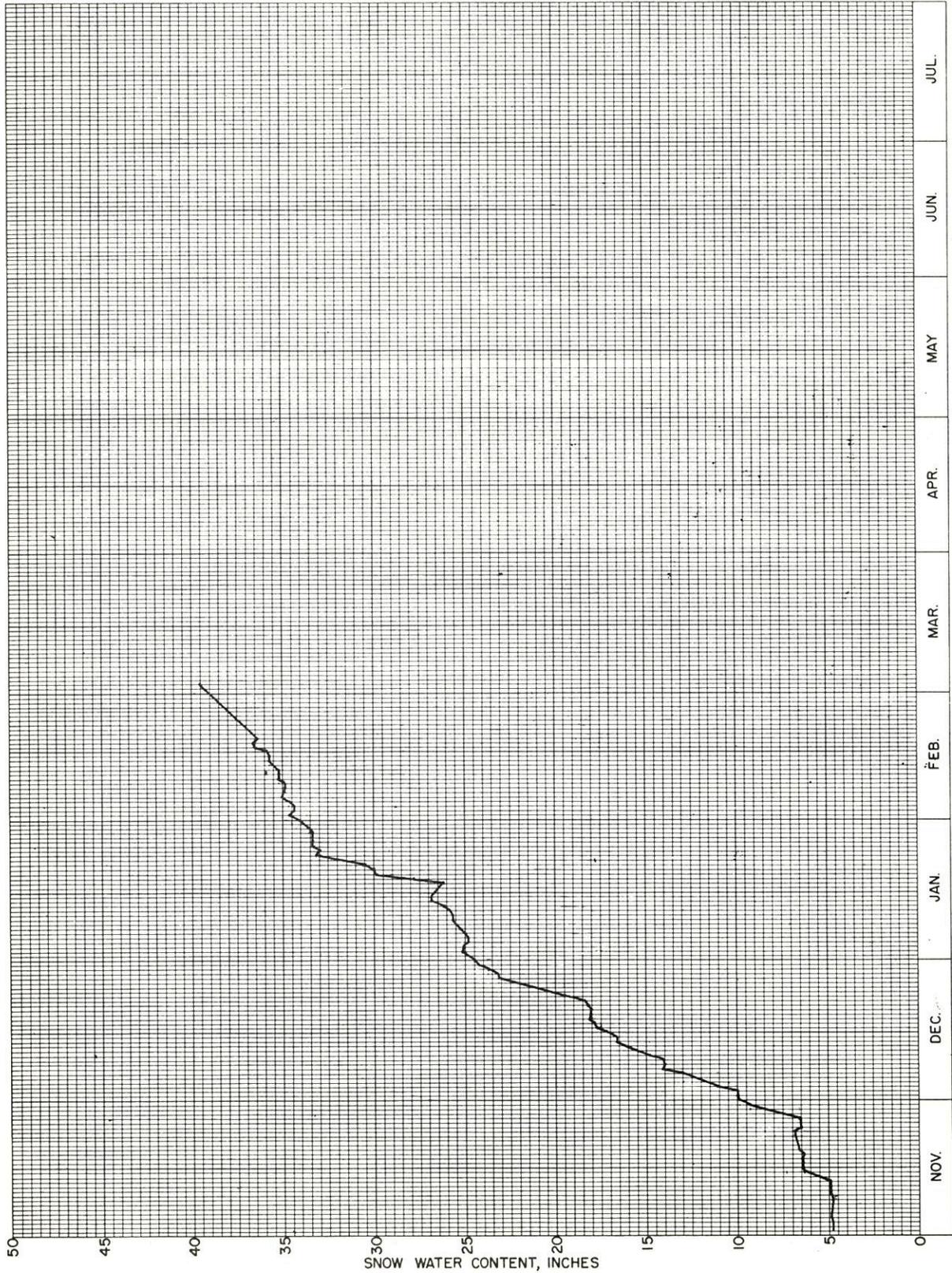
FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J11

Elev. 8000

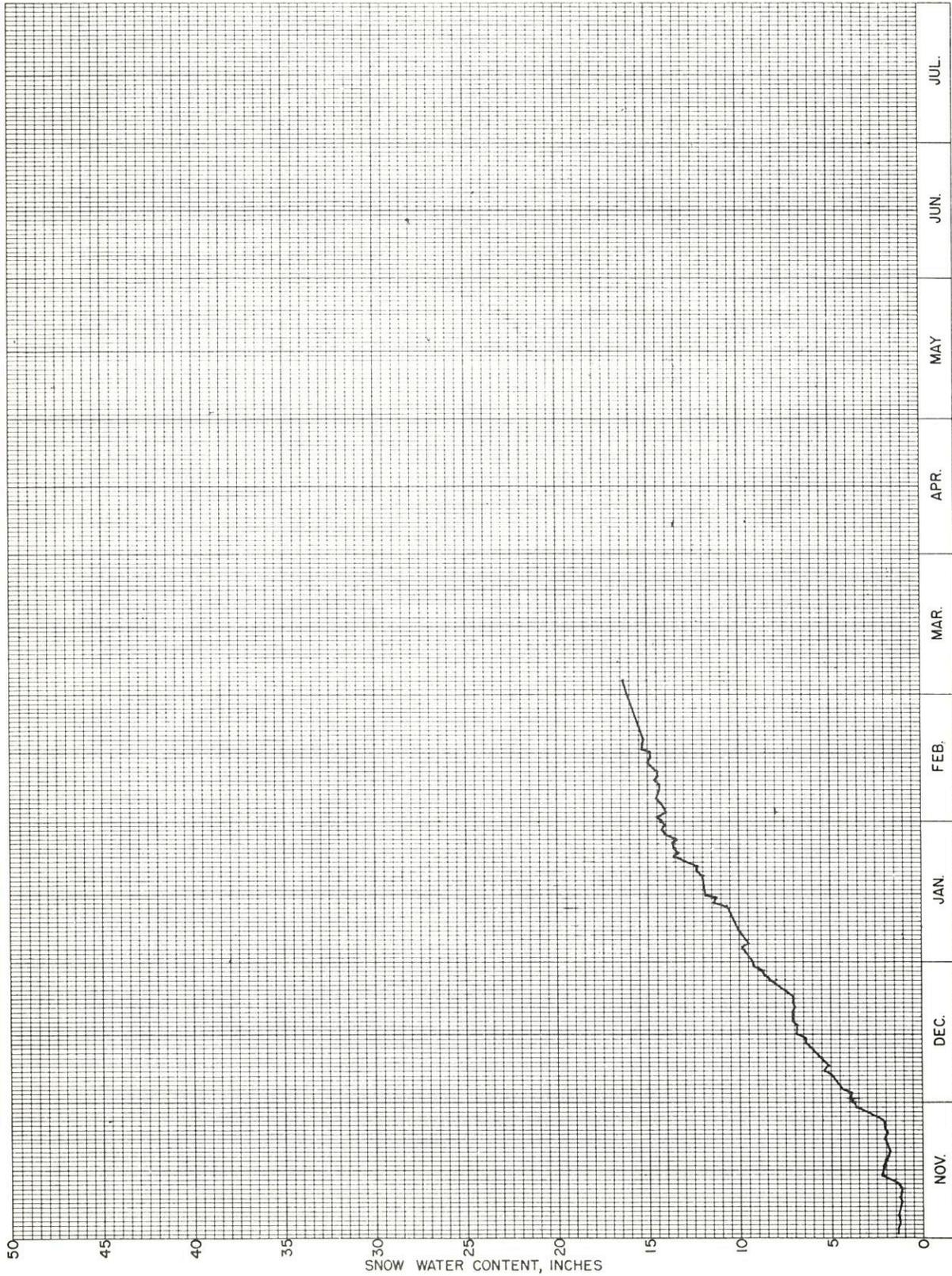
Drainage: Farmington Creek



PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

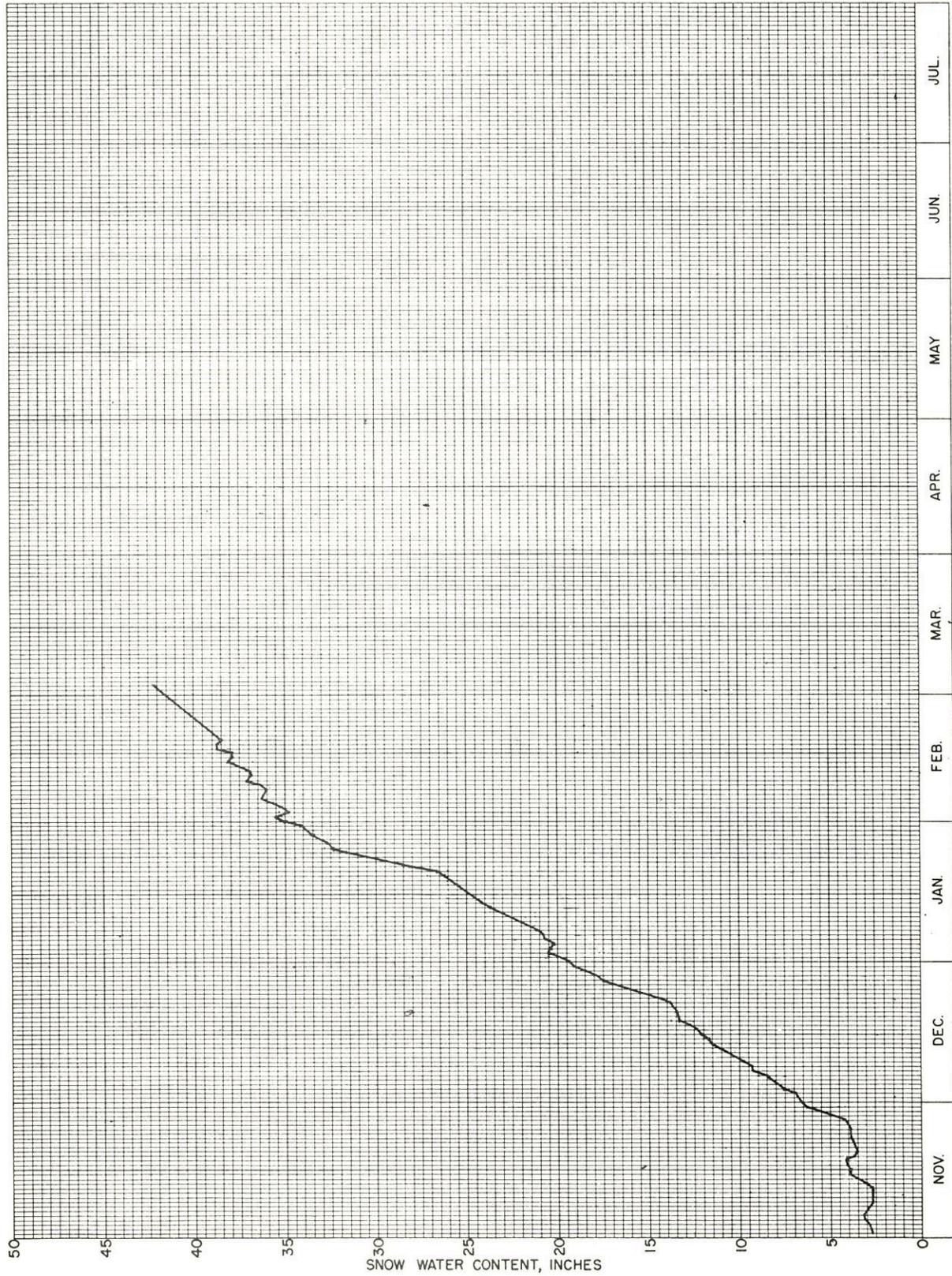
No. 11J15 Elev. 7500 Drainage: East Canyon Crk. - Weber River



HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11H21 Elevation 8260 Drainage: Lost Creek





**FEDERAL-STATE-PRIVATE  
COOPERATIVE SNOW SURVEYS**



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**APR. 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**

ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
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*Released by*

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SALT LAKE CITY, UTAH

*In Cooperation with*

**HUBERT C. LAMBERT**

STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84111



# PROSPECTIVE WATER SUPPLIES

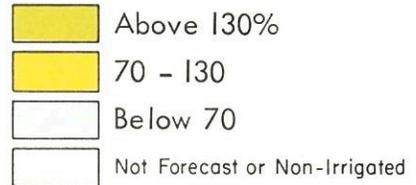
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

APRIL 1, 1972

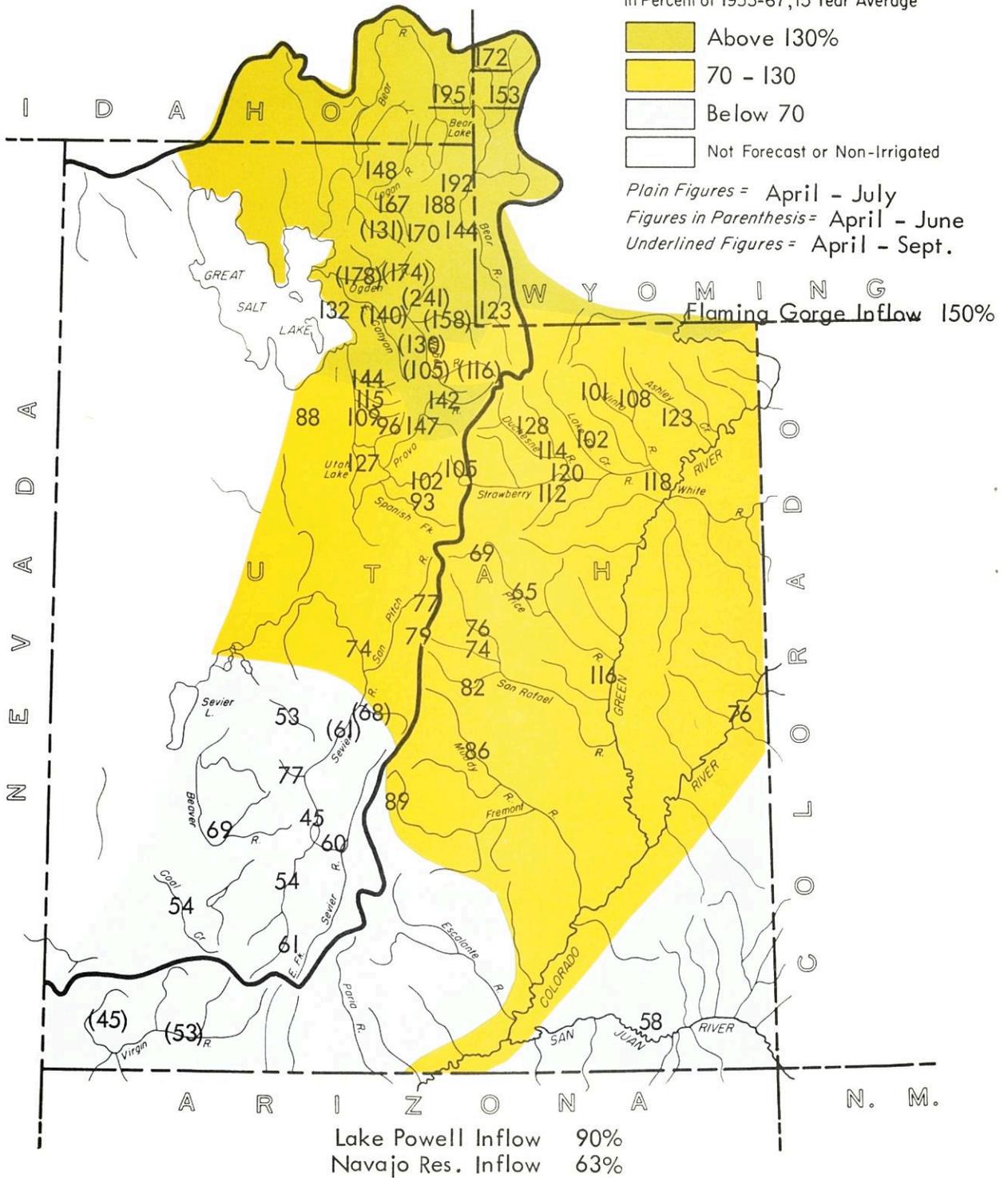
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = April - July  
Figures in Parenthesis = April - June  
Underlined Figures = April - Sept.





# WATER SUPPLY OUTLOOK

as of

APRIL 1, 1972

\* \* \* \* \*  
\* The 1972 Water Supply Outlook now ranges from "much below average" \*  
\* in southern Utah to "excellent" in the northern part of the State. \*  
\* Another warm, dry month reduced the snow pack which now ranges \*  
\* from 0 to 60% of average in southern Utah to as high as 140% of \*  
\* average in northern Utah. Reservoir storage is well above average. \*  
\* Streamflow forecasts now range from 42% of average in southern Utah \*  
\* to 240% in northern Utah. \*  
\* \* \* \* \*

Snow Cover melted much earlier than usual in southern Utah and did not make the usual increases in northern Utah. Another warm, dry month produced well below average precipitation in all areas except the higher elevations of northern Utah. April 1 snow water content averages now range from 0 to 60% of average in southern Utah and from average to 140% of average in northern Utah. Many snow courses in the southern part of the state that usually gain 1 to 4 inches of water content actually lost as much as 10 inches during March this year.

Reservoir Storage in 15 principal reservoirs (excluding those of the Colorado River Storage Project) are now 141% of the April 1 average for the 15 year period 1953-67. Storage in the three main Sevier River Reservoirs (Otter Creek, Piute, and Sevier Bridge) now totals 295,100 acre feet or 179% of the April 1 average for the 1953-67 period. Colorado River Storage increased 354,200 acre feet during March.

The elevation of the Great Salt Lake rose 0.30 foot during March and is now 4199.10 feet above mean sea level. This is 2.10 feet higher than last April 1 and 7.75 feet higher than the all-time record low in October 1963. March streamflow was above average on all index streams in the State except the Whiterocks River according to the U. S. Geological Survey.

Streamflow Forecasts for the April-July period have dropped sharply in southern Utah due to extremely early snow melt. Forecasts now range from 42% of average for the inflow to Rockyford Reservoir to 241% average for Lost Creek in northern Utah. Forecasts on Utah streams are above average north of a line running across the State from Utah Lake to Vernal and progressively farther below average south of that line. Some areas in southern Utah without reservoir storage are expected to have limited water supplies by mid-June or July unless above average precipitation occurs during the remainder of the runoff season.

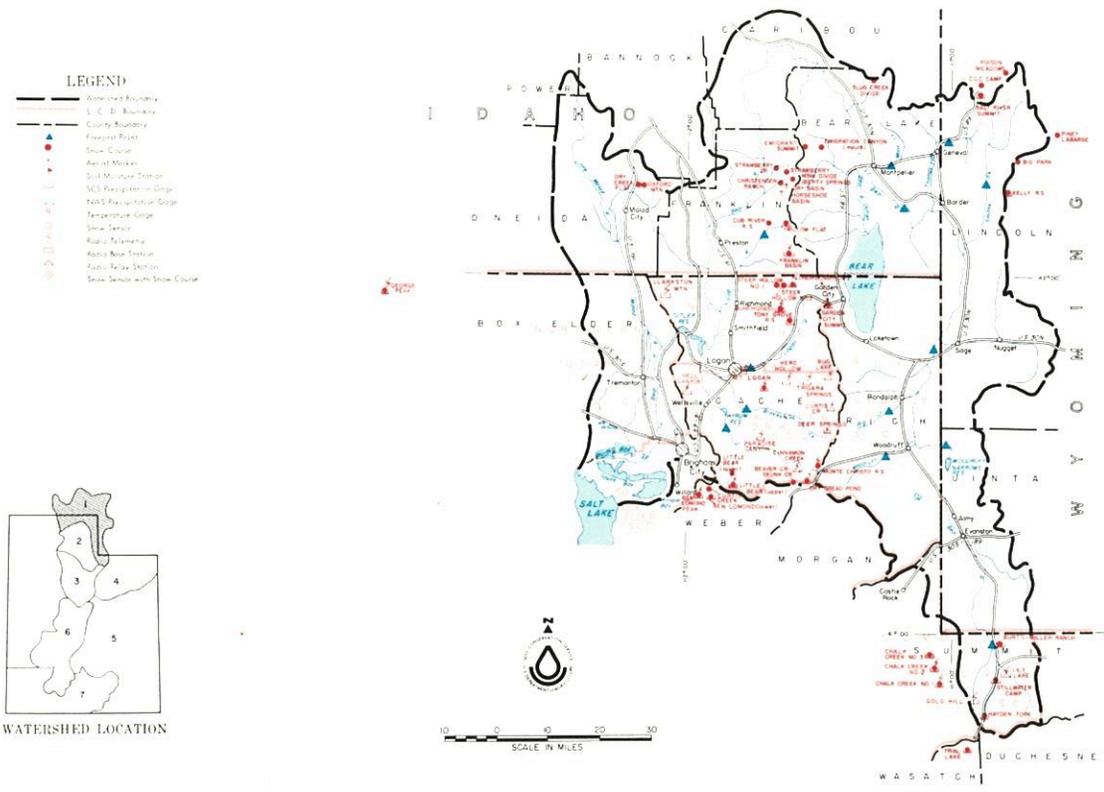
USDA SCS PORTLAND OREG 1943



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

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



APRIL 1, 1972

The Water Supply Outlook for the 1972 season on the Bear River and tributaries is still excellent.

Snow Cover ranges from 140% of the April 1 average on Smith's Fork to 107% on the Bear south of Evanston. Snow cover on the Logan River is 133% of average, 124% on the Blacksmith Fork and Little Bear Rivers. Warm temperatures melted low and medium elevation snow but high elevation snow measurements showed some increase in water content since March 1, although much less than the usual increase for the month. April 1 snow cover on the Bear River drainage is about 20% less than last year at this time.

Reservoir Storage is above average in Bear Lake (126%) and Woodruff Narrows is full with 26,500 acre feet. Hyrum has 11,100 acre feet compared to 11,600 acre feet last year. Porcupine has 6,200 acre feet compared to last years 8,700 acre feet.

Streamflow Forecasts dropped 1 to 15% on all Bear tributaries except the Smith's Fork, Thomas Fork and Bear at Harer. These stations are now forecast to produce 153%, 172%, and 195% of their April-September averages respectively. The Bear at Utah-Wyoming Line is forecast at 123% (131,000 a.f.) of its April-July average. Big Creek 9,000 a.f. (188%) and Woodruff Creek 23,000 a.f.(170%). Logan River is expected to produce 147,000 a.f. (148%), Blacksmith Fork 70,000 a.f. (167%) and Little Bear 55,000 a.f. (131%) during the April-June period.

Maximum mean daily peak flows are still expected to be higher than average on these streams although the potential was reduced by medium and low elevation snow melt during March.

Report prepared by  
BOB L. WHALEY  
U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

1147-102-20027-1-L

APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho (1)	440	195	Apr-Sept	534	226
Bear nr Randolph	140	192	Apr-July		73
Bear nr Ut-Wyo. State Line	131	123	Apr-July	138	106
Bear nr Woodruff	150	144	Apr-July		104
Big Crk nr Randolph, Utah	9.0	188	Apr- July		4.8
Blacksmith Fork nr Hyrum	70	167	Apr-July	99	42
Little Bear nr Paradise	55	131	Apr-June		42
Logan nr Logan	147	148	Apr-July	203	99
Smith's Fork nr Border, Wyoming	165	153	Apr-Sept		108
Thomas Fork nr Ut-Wyo State Line	54	172	Apr-Sept		31
Woodruff Crk nr Woodruff, Utah	23	170	Apr-July		13.5

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Bear River</u>	Bear Lake	1421.0	1127.2	1091.0	895.2
	Woodruff Narrows	26.5	26.5	26.5	- -
<u>Little Bear</u>	Hyrum	15.3	11.1	11.6	13.1
	Porcupine	11.3	6.2	8.7	- -

**PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek near Randolph	70 - 110	43
Logan River near Logan	1000 - 1350	911
Woodruff Creek nr Woodruff	225 - 400	220
Little Bear nr Paradise	650 - 800	439

(1) - Observed flow corrected for change in storage and diversions  
 (3) - Data obtained by radio - USU-SCS cooperative sites  
 b - Average of all past records within the 15-yr period, but less than 15 years.  
 x - Adjacent drainage  
 \* - Partly estimated

APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	41	158	Apr-June	- -	26
East Canyon Crk nr Morgan (1)	24	140	Apr-June	27	17.2
Hardscrabble Crk nr Porterville	18.0	133	Apr-June		13.5
Lost Crk nr Croydon, Utah	28	241	Apr-June	24	11.6
Pineview Reservoir Inflow (2)	160	178	Apr-June	160	90
South Fork Ogden nr Huntsville	80	174	Apr-June		46
Rockport Reservoir Inflow (1)	116	105	Apr-June		110
Weber nr Coalville (1)	126	126	Apr-June		100
Weber nr Oakley	108	116	Apr-June	124	93

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek near Croydon	400 - 540	171
So. Fork Ogden nr Huntsville	900 - 1200	643

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

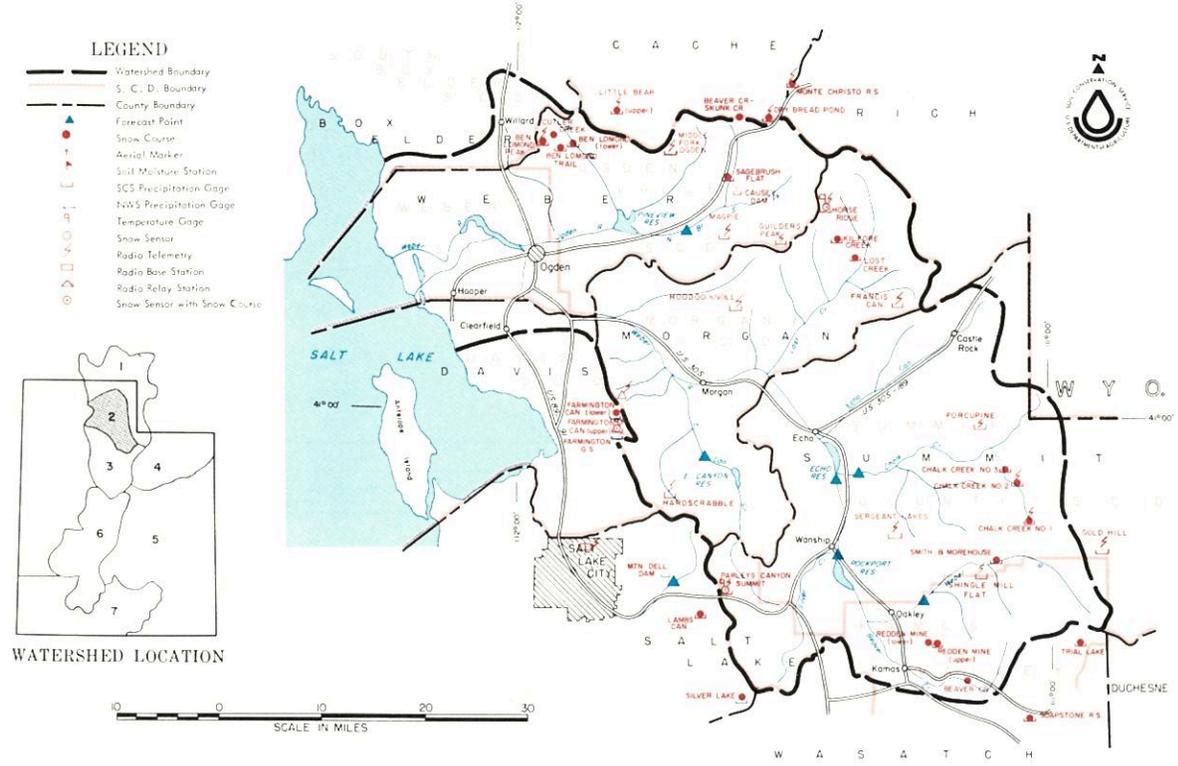
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ogden</u>	Causey	7.1	1.0	1.6	- -
	Pineview	110.1	80.8	38.5	29.9
<u>Weber</u>	East Canyon	48.1	40.7	40.0	13.7
	Echo	73.9	63.4	61.4	41.3
	Lost Creek	20.0	13.0	13.9	- -
	Rockport	60.9	25.9	23.1	24.2
	Willard Bay	193.3	173.0	182.2	- -

(1) - Observed flow corrected for change in storage and diversions.  
 (2) - Inflow record as computed by U.S. Bureau of Reclamation  
 b - Average of all past records within the 15-year period, but less than 15 years  
 x - Adjacent drainage  
 \*\* - Snow pillow reading cooperatively by Park City Resort  
 \* - Partly estimated  
 (3) - Data obtained by radio - USU-SCS cooperative sites

# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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



The Ogden and Weber Basin Water Supply Outlook for the 1972 season is still "above average to excellent".

Snow Cover is 124% of the April 1 average on the Ogden and 103% on the Weber above Echo. East Canyon snow cover is 110% and Chalk Creek 102%. Warm temperatures during March melted much of the low and medium elevation snow resulting in a reduction of basin snow cover percentages and higher than average streamflow over most of the area.

Reservoir Storage is well above average in larger reservoirs. Pineview now has 80,800 acre feet or 270% of the April 1 average for the 1953-67 period. March inflow into Pineview was 53,196 acre feet - a record inflow for March. Causey now has 1,000 acre feet with space being held for spring runoff. Lost Creek now holds 13,000 acre feet. March inflow into Lost Creek was 6,204 acre feet - also a record for the month. Releases are being made from these reservoirs to save space for continued high spring runoff. East Canyon now holds 40,700 acre feet, Echo has 63,400 acre feet and Rockport 25,900 acre feet. Willard Bay now has 173,000 acre feet.

Streamflow Forecasts For the April-June period now range from 105% (116,000 a.f.) of average for Rockport Inflow to 241% of average (28,000 a.f.) for Lost Creek. This years forecast for Lost Creek is 4,000 a.f. higher than last years 24,000 a.f. Pineview Reservoir Inflow is expected to be 160,000 (178%). This is the same as last year during the April-June period. The South Fork of Ogden is forecast to produce 80,000 acre feet (174%).

If warm weather conditions continue, runoff is expected to be earlier than usual as indicated by the heavy March flow in this area. The Weber River is forecast to produce 108,000 a.f. (116%) at Oakley and 126,000 a.f. (158%) at Coalville. Chalk Creek is forecast to produce 41,000 a.f. (158%) and East Canyon Creek 24,000 a.f. (140%).

Peak flows on Lost Creek and the South Fork of the Ogden are still expected to be higher than average this year. Lost Creek is expected to range between 400 - 540 c.f.s. and the South Fork 900 - 1200 cfs for the maximum mean daily peak.

GSA FPMR (41 CFR) 101-11.6-22027-2-L

## BEAR RIVER BASIN

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER BEAR RIVER</u> <u>(Above Harer, Idaho)</u>						
Big Park x	8700	3/27	71	27.5	31.6	20.0
Burts-Miller Ranch	7900	3/24	9	3.5	7.1	6.1
CCC Camp x	7500	3/30	40	14.7	21.7	11.4
Hayden Fork	9400	3/24	50	18.0	19.4	15.8*
Kelly Ranger Station	8200	3/27	66	25.9	28.0	17.9
La Barge G.S.	9500	3/28	102	42.0	-	-
Monte Cristo R.S.	8960	3/30	74	32.5	40.4	24.7
Piney-LaBarge #2 x	8820	3/28	70	31.0	34.6	-
Poison Meadows x	8500	3/28	111	42.1	41.9	29.3
Salt River Summit	7900	3/30	54	22.1	26.2	15.2
Stillwater Camp	8550	3/24	30	10.9	14.2	11.1b
Trial Lake x	9800	3/30	80	31.0	31.2	25.0
<u>LOWER BEAR RIVER</u> <u>(Below Harer, Idaho)</u>						
Beaver Crk-Skunk Crk	7150	3/30	27	11.3	16.4	11.0
Christensen Ranch	5600	3/29	3	0.9	10.0	7.2*
Cub River R.S.	5400	3/29	0	0.0	7.6	6.4*
Dry Bread Pond x	8230	3/30	49	21.3	25.3	17.0
Dry Creek Flat	6350	3/28	0	0.0	9.8	3.7*
Emigration Canyon	6500	3/30	27	11.6	17.1	9.6
Emigrant Summit	7350	3/30	74	33.1	38.2	22.9
Franklin Basin	8000	3/27	80	35.4	44.5	26.8
Garden City Summit	7600	3/27	60	25.6	25.9	18.1
Klondike Narrows	7400	3/27	54	24.2	29.8	19.4b
Liberty Spring	8600	3/29	115	47.0	61.5	36.2
Little Bear (lower)	6000	2/24	14	5.8	12.9	7.8b
Little Bear (upper)	6550	2/24	25	10.0	14.8	10.6b
Monte Cristo R.S.	8960	3/30	74	32.5	40.4	24.7
Oxford Mountain	6800	3/28	17	6.5	12.2	7.7*
Slug Creek Divide	7225	3/29	51	21.8	24.7	15.4
Steep Hollow #1	8500	3/27	111	47.0	54.6	35.8b
Steep Hollow #2	7700	3/27	74	34.0	36.9	25.4b
Strawberry Creek	5800	3/29	22	7.3	12.4	10.1*
Strawberry Mink Divide	6800	3/29	57	24.7	32.0	20.1*
Tony Grove R.S.	6250	3/27	30	12.9	15.5	9.4
Willow Flat	6100	3/29	28	11.5	19.1	13.4*

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Burt's - Miller Ranch	7900	3/24	- -	- -	10.58	- -	- -
Chalk Creek #1 x	9100	3/31	1.86	- -	24.66	- -	- -
Chalk Creek #2 x	8000	3/31	2.02	3.14b	17.96	14.96*	120
Chalk Creek #3 x	7500	3/27	2.47	2.54b	16.42	12.73b	129
Cinnamon Crk (3)	7300	3/31	2.34	- -	21.23	- -	- -
Clarkston (3)	6300	3/31	2.74	- -	25.59	- -	- -
Curtis Creek (3)	8450	3/31	4.66	- -	32.53	- -	- -
Dry Bread Pond	8230	3/30	2.80	3.68	24.03	19.90*	121
Franklin Basin	8000	3/31	5.02	- -	31.01	- -	- -
Garden City Summit	7600	3/27	4.84	3.16b	26.66	17.90*	149
Gold Hills (3)	10000	3/31	3.38	- -	26.23	- -	- -
Hayden Fork	9300	3/24	- -	- -	28.29	- -	- -
Kelly R.S.	8200	Data not available					
Klondike Narrows	7400	3/31	4.08	3.88b	30.53	23.27*	131
Little Bear (upper)	6850	3/31	2.73	3.10b	26.62	18.46*	144
Monte Cristo #2	8960	3/30	4.31	4.97b	31.97	24.65b	130
Sagebrush Flat x	6300	3/30	2.31	2.60b	19.02	13.36b	142
Salt River Summit	7900	3/30	3.85	2.71b	23.30	15.69*	148
Stillwater Camp	8550	3/24	- -	- -	15.77	12.58*	125
Tony Grove R.S. (SCS)	6250	3/31	4.12	2.65b	30.62	18.75b	163
Trial Lake x	9800	3/30	3.33	3.82b	30.77	21.18*	145
Willow Flat	6100	3/29	4.55	3.63*	26.65	21.15*	126

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WEBER-OGDEN WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Crk	7150	3/30	27	11.3	16.4	11.0
Ben Lomond (lower)	6000	3/28	36	15.5	18.2	13.5b
Ben Lomond Peak	8000	3/28	88	41.8	42.0	32.2
Ben Lomond Trail	6000	3/28	36	16.2	19.7	12.0b
Cutler Creek	6780	3/28	69	32.2	31.5	23.3b
Dry Bread Pond	8230	3/30	49	21.3	25.3	17.0
Monte Cristo R.S.	8960	3/30	74	32.5	40.4	24.7
Sagebrush Flat	6300	3/30	0	0.0	0.6	1.6
<u>WEBER RIVER</u>						
Beaver Creek R.S.	7500	3/30	4	1.7	6.4	7.7
Chalk Creek #1	9100	3/27	68	24.8	29.1	22.4
Chalk Creek #2	7900	3/27	46	16.1	18.4	14.4
Chalk Creek #3	7500	3/27	11	4.1	9.8	7.1*
Farmington Canyon (lower)	6950	3/29	57	22.9	26.5	21.2
Farmington Canyon (upper)	8000	3/29	94	38.2	39.4	26.3
Lamb's Canyon x #1	6600	3/30	41	15.4	18.0	13.7
Lamb's Canyon x #2	7400	3/30	36	14.5	17.3	- -
Lost Creek Reservoir	6125	3/31	0	0.0	- -	- -
Park City Smt.	9300	4/4	112	44.8	- -	- -
Parley's Canyon Smt.	7500	3/30	45	17.9	21.9	17.2
Reddon Mine (lower)	8500	3/29	42	16.9	20.7	17.3
Reddon Mine (upper)	9000	3/29	45	18.6	23.4	19.0
Silver Lake x	8725	3/30	64	27.4	27.8	24.1
Smith & Morehouse	7600	3/28	29	11.2	13.0	11.9
Trial Lake x	9800	3/30	80	31.0	31.2	25.0
Horse Ridge	8260	3/31	67	32.0	31.3	20.3b
Kilfore Creek	7300	3/31	43	18.2	- -	13.1b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	5850	3/28	5.36	3.62b	35.08	23.47*	149
Ben Lomond Trail	6000	3/28	5.43	3.17b	35.16	24.65*	143
Causey Dam	5500	3/30	2.37	2.17b	20.80	15.63*	133
Dry Bread Pond	8230	3/30	2.80	3.68b	24.03	19.90*	121
Monte Cristo #2 x (WB)	8960	3/30	4.31	4.97	31.97	24.65	130
Sagebrush Flat	6300	3/30	2.25	2.60b	19.02	13.36	142
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	3/31	1.86	- -	24.66	- -	- -
Chalk Creek #2	8000	3/31	2.02	3.14b	17.96	14.96*	120
Chalk Creek #3	7500	3/27	2.47	2.54b	16.42	12.73b	129
Farmington Guard Station	7500	3/29	4.94	5.03	39.98	26.76	149
Farmington Rice	7000	3/29	4.07	4.65	35.51	24.38	146
Horse Ridge	8260	3/31	4.70	- -	34.45	- -	- -
Lost Creek Reservoir	6125	3/31	1.19	- -	14.96	- -	- -
Mt. Dell Dam	5500	4/4	1.40	2.32	12.75	11.84	108
Parley's Canyon Smt.	7500	3/30	3.15	3.75*	23.45	19.33	121
Reddon Mine (upper)	9000	3/29	2.41	- -	25.30	- -	- -
Sargeant Lakes (3)	8400	3/31	2.24	- -	20.67	- -	- -
Silver Lake (Brighton)	8725	4/4	3.22	5.04	30.18	24.15	125
Smith & Morehouse	7600	3/28	2.55	3.47b	21.27	16.45*	129
Trial Lake x	9800	3/30	3.33	3.82b	30.77	21.18	145

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APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	25	96	Apr-July	25	26
Hobble Creek nr Springville	13.2	102	Apr-July	20	13.0
Provo nr Hailstone (1)	123	142	Apr-July		87
Provo below Deer Crk Dam (1)	141	147	Apr-July		96
Spanish Fork at Thistle	25	93	Apr-July		27
Strawberry Reservoir Inflow (1)	43	105	Apr-July		41
Utah Lake Inflow	247	127	Apr-July	241	195
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	39	115	Apr-July	42	34
Farmington Crk nr Farmington	9.0	132	Apr-July		6.8
Little Cottonwood Crk nr SLC	36	109	Apr-July	41	33
Parley's Crk nr SLC	13.5	144	Apr-July	19.4	9.4
<u>TOOELE VALLEY</u>					
Settlement Canyon	1.5	88	Apr-July		1.7

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Spanish Fork</u>	Strawberry	270.0	205.6	193.7	123.1
<u>Utah Lake</u>	Utah Lake	883.9	841.4	870.5	600.3
<u>Provo</u>	Deer Creek	149.7	113.8	99.5	90.1
(1) - Observed flow corrected for change in storage and diversions. x - Adjacent drainage b - Average of all past records within the 15-year period, but less than 15 years * - Partly estimated					

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R.S. x	7500	3/30	4	1.7	6.4	7.7
Camp Altamont	7300	3/31	10	3.5	7.4	13.3
Clear Creek Ridge #1	9200	3/29	40	16.7	20.7	17.3b
Clear Creek Ridge #2	8000	3/29	28	11.1	14.9	12.6b
Clear Creek Ridge #3	6600	3/29	0	0.0	6.1	5.2b
Daniels Strawberry Smt.	8000	3/28	24	9.8	12.9	14.0
Dutchman R.S.	7560	3/31	27	12.5	12.6	15.8
East Portal	7560	3/31	14	6.2	9.7	10.6
Hobble Creek Summit	7420	3/30	14	5.7	13.3	12.0
Packard Canyon	6400	3/30	0	0.0	7.2	8.4b
Payson R.S.	8050	3/28	24	9.9	19.7	16.6
Rock Bridge	6750	3/28	15	4.8	13.2	11.0
Soapstone	7800	3/30	31	11.5	12.2	11.9
South Fork R.S.	6100	3/31	0	0.0	0.2	2.8
Strawberry Divide	8000	3/31	41	17.9	21.0	18.4
Timpanogos Cave Camp	5500	3/31	0	0.0	0.0	1.0
Timpanogos Divide	8140	3/31	46	19.4	16.9	22.6
Trial Lake	9800	3/30	80	31.0	31.2	25.0
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Bevan's Cabin	6450	3/27	15	5.5	13.0	9.6b
Lamb's Canyon #1	6600	3/30	41	15.4	18.0	13.7
Lamb's Canyon #2	7400	3/30	36	14.5	17.3	- -
Middle Canyon - Tooele	7000	3/27	20	7.9	17.0	12.2b
Mill D South Fork	7400	3/30	45	20.3	22.6	18.8
Parley's Canyon Summit	7500	3/30	45	17.9	21.9	17.2
Rocky Basin-Settlement C	8900	3/30	59	23.8	30.5	23.6b
Silver Lake	8725	3/30	64	27.4	27.8	24.1
Vernon Creek	7500	3/27	3	0.5	8.0	- -
Snowbird Lodge	8200	4/4	56	24.1*	- -	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	3/29	1.40	2.73b	15.78	14.32*	110
Daniels-Strawberry Smt.	8000	3/28	1.91	3.26b	19.69	17.11b	115
Dutchman R.S.	7500	3/31	3.50	3.32b	25.25	19.26b	131
East Portal Ridge	7800	3/31	2.14	3.12	18.61	16.90*	110
Hobble Creek Smt.	7300	3/30	2.30	- -	19.37	- -	- -
Payson R.S.	8050	3/28	1.70	3.12b	16.53	16.97	97
Soapstone R.S.	7800	3/30	2.51	2.54b	19.51	14.67*	133
Timpanogos Divide	8200	3/31	2.10	3.89	25.85	23.78	109
Trial Lake	9800	3/30	3.33	3.82b	30.77	21.18	145
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>							
Lamb's Canyon #2	7400	3/30	3.35	- -	23.55	- -	- -
Middle Canyon	7000	3/27	2.62	3.56b	13.92	16.43	85
Mt. Dell Dam	5500	4/4	1.40	2.32	12.75	11.84	108
Parleys Canyon Smt.	7500	3/30	3.15	3.75*	23.45	19.33	121
Silver Lake (Brighton)	8725	4/4	3.22	5.04	30.18	24.15	125
Rocky Basin-Settlement Cy	8900	3/30	2.20	- -	19.70	- -	- -
Vernon Creek	7500	3/27	0.77	- -	15.82	- -	- -

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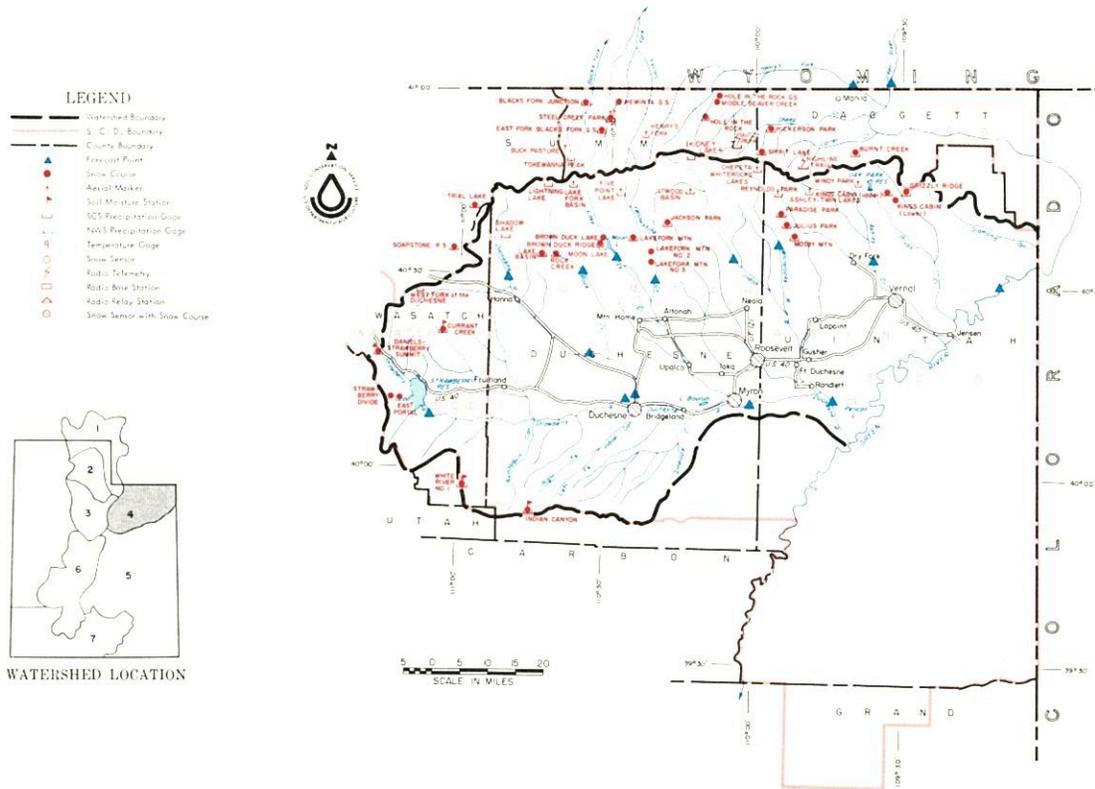
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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



APRIL 1, 1972

The Water Supply Outlook for Uintah Basin and Daggett SCD's is now "near average" for the 1972 irrigation season.

Snow Cover reduced 20 to 30% during a warm, dry March but still ranges from 79% of average on Strawberry river to 121% on the Blacks Fork-Smiths Fork drainages. The Upper Duchesne has 103% of the average snow cover and Lakefork Creek 82% of average. The Uintah and Whiterocks drainages have 118% of average and Ashley Creek 113% of the April 1 average snow water content. The aerial snow depth markers in the higher, more inaccessible areas of these watersheds were flown cooperatively with the State Division of Wildlife Resources and generally showed above average amounts of snow although slightly less than last year on April 1.

Reservoir Storage is above average. Steinaker now contains 25,600 acre feet. Moon Lake contains 19,200 acre feet and last year held only 13,900 a.f. on April 1. Starvation now holds 120,000 acre feet and Bottle Hollow is almost full with 11,000 acre feet. Flaming Gorge now holds 2,642,000 acre feet (215%) and 768,000 acre feet more than last April 1st.

Streamflow Forecasts have dropped due to a dry, warm March and now range from 101% of average on the Uintah to 150% for the inflow to Flaming Gorge Reservoir. The Yellowstone and Lakefork Creeks are expected to produce 102% of average or 62,000 and 67,000 acre feet respectively for the April-July period. Whiterocks River is expected to flow 55,000 acre feet (108%) and Ashley Creek 54,000 acre feet (123%). The Duchesne is forecast to produce 120,000 acre feet (128%) at Tabiona, 200,000 acre feet (120%) at Duchesne and 258,000 a.f. (106%) at Myton. The Strawberry is forecasted to produce 55,000 a.f. (112%) at Duchesne during the April-July period. The Henrys Fork is expected to produce 50,000 acre ft. (132%) during the April-September period.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (1)	120	128	Apr-July		94
Duchesne at Duchesne (1)	200	120	Apr-July		167
Duchesne at Myton (1)	258	106	Apr-July		243
Duchesne at Randlett (1)	310	118	Apr-July		262
Strawberry st Duchesne	55	112	Apr-July	62	49
Rock Crk nr Mtn. Home	100	114	Apr-July		88
Lakefork below Moon Lake (1)	67	102	Apr-July		66
Yellowstone nr Altonah	62	102	Apr-July		59
Uinta nr Neola	80	101	Apr-July		79
Whiterocks nr Whiterock	55	108	Apr-July	59	51
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	54	123	Apr-July	50	44
Henry's Fork at Linwood	50	132	Apr-Sept		38
Flaming Gorge Inflow (1)	1585	150	Apr-July	1905	1054

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ashley Creek</u>	Steinaker	33.3	25.6	25.2	- -
<u>Green River</u>	Flaming Gorge	3749.0	2642.0	1874.0	1231.0
<u>Lake Fork</u>	Moon Lake	35.8	19.2	13.9	17.1
<u>Strawberry</u>	Starvation	165.3	120.0	122.4	- -
<u>Uintah</u>	Bottle Hollow	11.3	11.0	- -	= -

(1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record within 15-year period, but less than 15 years  
 x - Adjacent drainage  
 \* - Partly estimated

UINTAH BASIN & DAGGETT SCD'S

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Brown Duck Ridge	10800	3/31	68	24.8	20.8	- -
Currant Creek	7800	3/29	10	3.6	9.9	8.0b
Daniels-Strawberry Smt. x	8000	3/28	24	9.8	12.9	14.0
East Portal x	7560	3/31	14	6.2	9.7	10.6
Indian Canyon	9100	3/30	36	13.1	10.8	11.5
Jackson Park	11300	3/28	45	14.0	11.6	12.1b
Julius Park	9800	3/21	44	14.2	12.9	12.0b
King's Cabin (lower)	8600	3/23	23	7.6	9.6	8.1
King's Cabin (upper)	8730	3/23	34	11.1	12.2	9.6
Lakefork Mountain	10200	3/27	37	10.7	11.2	11.1
Lakefork Mountain #2	8900	3/27	12	4.3	7.2	7.2
Lakefork Mountain #3	8100	3/27	0	0.0	5.8	5.6
Mosby Mountain	9500	3/21	30	10.4	8.9	9.7
Paradise Park	10100	3/22	45	14.8	12.4	11.4
Rock Creek	7900	3/24	7	2.8	4.4	5.9b
Soapstone R.S. x	7800	3/30	31	11.5	12.2	11.9
Strawberry Divide	8000	3/31	41	17.9	21.0	18.4
Trial Lake	9800	3/30	80	31.0	31.2	25.0
White River #1	8550	3/31	30	12.0	15.4	12.0*
Grizzly Ridge	8500	3/23	24	8.5	- -	- -
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	3/23	35	11.0	11.5	9.3b
East Fk. Black's Fk. G.S.	9300	3/23	38	12.2	10.7	9.4b
Hewinta Guard Station	9500	3/23	35	10.7	11.4	9.8*
Hickerson Park	9100	3/23	11	3.4	7.2	6.0*
Hole-in-the-Rock	9150	3/22	18	5.8	7.5	5.9
Hole-in-the-Rock G.S.	8300	3/22	0	0.0	2.9	1.6b
Middle Beaver Creek	8550	3/22	11	3.8	6.9	5.3b
Spirit Lake	10300	3/23	44	13.6	14.4	12.0b
Steel Creek Park	9900	3/23	64	19.1	20.2	15.3b
Burnt Creek	7900	3/23	2	0.7	- -	- -
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	3/31	53	17.5	16.5	- -
Atwood Basin A	10250	3/31	40	12.4	8.4	- -
Buck Pasture A	9700	3/31	60	20.4	18.9	- -
Chepeta-Whiterocks Lakes A	10300	3/31	47	15.5	15.5	- -
Five Point Lake A	11000	3/31	60	17.4	17.4	- -
Henry's Fork A	10000	3/31	45	14.0	15.2	- -
Lakefork Basin A	11100	3/31	72	20.9	21.5	- -
Reynolds Park A	10400	3/31	62	20.5	16.2	- -
Windy Park A	9400	3/31	36	11.9	12.6	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Brown Duck Ridge	10800	3/31	- -	- -	21.65	- -	- -
Currant Creek	7800	3/29	- -	- -	17.41	12.35b	141
Daniels-Strawberry Smt.x	8000	3/28	1.91	3.26b	19.69	17.11b	115
East Portal Ridge x	7800	3/31	2.14	3.12	18.61	16.90*	110
Grizzly Ridge	8500	3/23	0.95	- -	15.68	- -	- -
Indian Canyon	9100	3/30	0.82	2.32b	15.82	13.06b	121
Jackson Park	10650	3/28	- -	- -	16.01	- -	- -
Julius Park	9800	3/21	0.54	1.86b	16.55	11.24*	147
King's Cabin (upper)	8730	3/23	0.80	2.07b	14.42	10.04*	144
Lakefork Mountain	10500	3/27	1.36	1.91b	16.32	11.06b	148
Moon Lake	8150	4/4	0.70	1.13	9.80	7.54	130
Mosby Mountain	9500	3/21	0.43	- -	14.58	- -	- -
Paradise Park	10100	3/22	0.70	2.24b	17.98	12.54b	143
Rock Creek	7900	3/24	- -	- -	14.43	10.42b	138
Soapstone R.S. x	7800	3/30	2.51	2.54b	19.51	14.67*	133
Trial Lake x	9800	3/30	3.33	3.82b	30.77	21.18b	145
White River #1 x	8600	3/31	1.65	2.52b	14.10	12.98*	109
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	3/23	2.57	2.33b	15.33	10.33b	148
Burnt Creek	7900	3/23	0.61	- -	11.70	- -	- -
E. Fk. Black's Fk. G.S.	9300	3/23	2.93	2.40b	15.49	11.06b	140
Hewinta Guard Station	9500	3/23	3.17	2.59b	16.88	11.77b	143
Hickerson Park	9100	3/23	1.17	- -	10.11	- -	- -
Spirit Lake	10300	3/23	1.58	2.65	17.77	13.98*	127
Steel Creek Park	9900	3/31	2.65	- -	17.70	- -	- -

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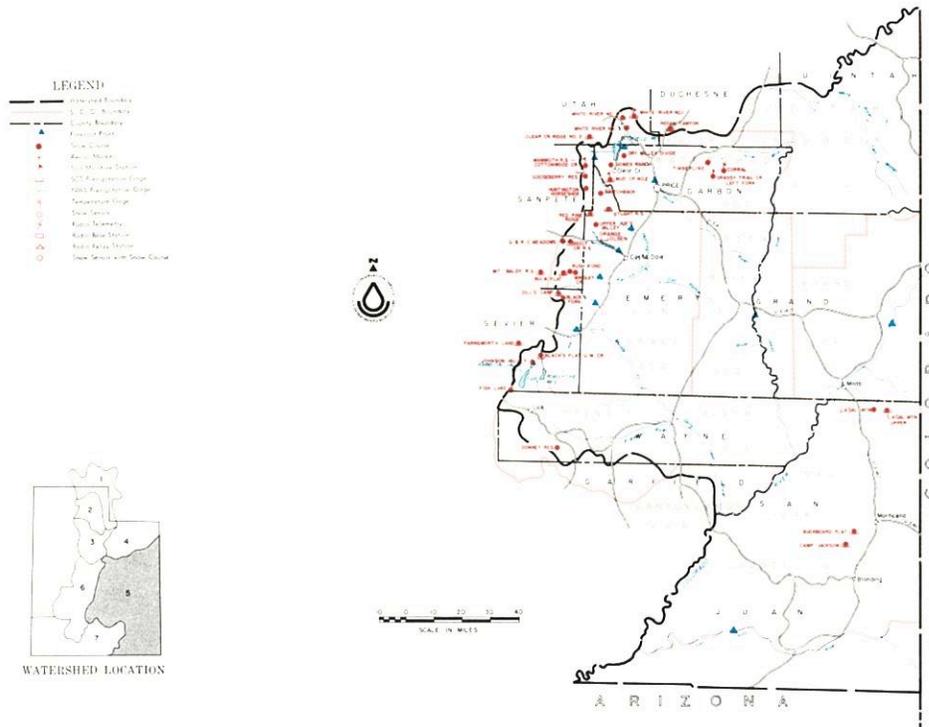
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*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS



APRIL 1, 1972

The 1972 Water Supply Outlook for Southeastern Utah is now "below average".

Snow Cover now ranges from 33% of average on the Blue Mountains to 73% on the Price River. San Rafael snow courses average 71% of the April 1 average, Muddy Creek 66% and Fremont River 68% of the April 1 average. Warm, dry weather during March melted the snow pack much faster than usual and only the highest snow courses show an increase in water content. Most low and medium elevation snow courses are bare or melted as much as 10 inches of snow water during March.

Reservoir Storage is above average. Scofield now has 44,500 a.f. (193%), Joe's Valley has 41,000 a.f., Mill Site 6,000 a.f., and Huntington North has 3,800 a.f.. in storage. Navajo Reservoir on the San Juan has 837,700 a.f. or about 6,000 more than last year at this time.

Streamflow Forecasts have dropped significantly due to the warm, dry, windy March weather and now range from 58% of average on the San Juan near Bluff to 116% on the Green River at Green River. Scofield Inflow is expected to be 22,000 a.f. (69%) and the Price River 35,000 a.f.(65%) near Heiner. Huntington Creek is expected to produce 32,000 a.f. (76%), Cottonwood Creek 32,000 a.f.(74%), and Ferron Creek 27,000 a.f.(82%) during the April-July period. Muddy Creek is forecast to produce 14,000 a.f.(86%) and Seven Mile Creek near Fish Lake 5,500 a.f.(89%).

The Colorado near Cisco is expected to flow 76% of its April-July average. Some late season water shortages may be expected on streams in this area without adequate reservoir storage to supplement the supply.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	8.0	80	Apr-July	8.9	10.0
Price near Heiner (1)	35	65	Apr-July		54
Scofield Reservoir Inflow (1)	22	69	Apr-July	34	32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	32	74	Apr-July		44
Ferron Crk nr Ferron	27	82	Apr-July	33	33
Huntington Crk nr Huntington	32	76	Apr-July	45	42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	14.0	86	Apr-July	16.4	16.2b
<u>FREMONT RIVER</u>					
Seven Mile Crk. nr Fish Lake	5.5	89	Apr-July		6.2b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2117	76	Apr-July		2802
Green at Green River, Utah	2975	116	Apr-July		2574
Navajo Reservoir Inflow	390	63	Apr-July	305	619
San Juan nr Bluff, Utah	517	58	Apr-July		890

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Price River</u>	Scofield	65.8	44.5	45.7	23.1
<u>San Rafael</u>	Joe's Valley	54.6	41.0	40.9	- -
	Mill Site	16.7	6.0	- -	- -
	Huntington North	3.9	3.8	- -	- -
<u>San Juan</u>	Navajo	1696.4	837.7	831.8	- -

(1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record within 15-yr period, but less than 15 years  
 x - Adjacent drainage  
 \* - Partly estimated

## CARBON, EMERY, WAYNE, GRAND &amp; SAN JUAN

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Corral	8200	3/24	0	0.0	3.5	7.2b
Dry Valley Divide	7800	3/29	0	0.0	10.5	9.4
Gooseberry Reservoir	8700	3/29	30	13.2	19.4	18.1
Grassy Trail Crk-Left Fk.	7970	3/24	3	0.9	4.9	19.0
Huntington-Horseshoe	9800	3/29	38	16.5	21.0	23.4
Indian Canyon x	9100	3/30	36	13.1	10.8	11.5
Jones Ranch	7600	3/29	0	0.0	3.0	4.9b
Mammoth R.S.-Ctnwd. Crk.	8800	3/29	30	13.2	20.4	19.0
Mud Crrek #2	8300	3/29	25	9.4	12.8	12.3
Timberline	9100	3/24	36	12.6	12.1	13.6b
White River #1	8550	3/31	30	12.0	15.4	12.0
White River #2	7600	3/31	0	0.0	10.4	7.3b
White River #3	7400	3/31	0	0.0	8.0	6.6b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	3/29	34	12.5	17.4	15.9b
Gooseberry Reservoir x	8700	3/29	30	13.2	19.4	18.1
Huntington-Horseshoe	9800	3/29	38	16.5	21.0	23.4
Mammoth R.S.-Ctnwd. Crk x	8800	3/29	30	13.2	20.4	19.0
Red Pine Ridge	9400	3/30	29	12.1	17.5	16.9b
Rush Pond	9800	3/29	29	10.1	14.8	13.8b
Seely Creek R.S.	10000	3/31	22	9.2	14.4	15.0
Stuart R.S.	7950	3/31	0	0.0	4.6	7.3b
Switchback	8600	3/31	30	12.6	13.6	15.3b
Upper Joe's Valley	8900	3/30	13	4.6	8.7	9.5b
Wrigley Creek	9000	3/29	20	7.2	9.8	10.6b
Orange Olsen R.S.	7300	3/30	0	0.0	- -	- -
<u>MUDDY &amp; FREMONT RIVERS</u>						
Black's Flat-U.M. Creek	9250	3/27	23	8.2	13.2	9.3b
Black's Fork	9200	3/28	22	8.5	12.8	12.9
Dill's Camp	9200	3/28	20	7.5	12.7	11.3*
Donkey Reservoir	9800	3/28	19	5.9	7.0	6.8b
Farnsworth Lake x	9900	3/30	43	16.6	23.4	17.4
Fish Lake	8700	3/27	0	0.0	5.4	5.7
Johnson Valley	8850	3/27	0	0.0	4.6	6.0b
Mt. Baldy R.S. x	9500	3/28	44	18.0	24.1	21.8
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	3/27	20	7.0	11.4	11.4
Camp Jackson	8600	3/27	1	0.3	8.8	10.5b
LaSal Mountain	8800	3/28	0	0.0	10.4	8.7
LaSal Mountain (upper)	9400	3/28	26	10.3	15.1	15.5b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	3/29	1.40	2.73b	15.78	14.32*	110
Gooseberry Reservoir	8700	3/29	1.40	3.44b	16.10	17.27b	93
Indian Canyon	9100	3/30	0.82	2.32b	15.82	13.06b	121
Mammoth R.S. #2	8600	3/29	2.04	3.83b	16.34	18.23b	90
Mud Creek	8300	3/29	0.90	2.99*	11.80	14.30*	82
White River #1	8600	3/31	1.65	2.52b	14.10	12.98*	109
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	3/29	1.55	3.69*	16.85	16.15*	104
G.B.R.C. Meadows x	10000	3/31	1.20	4.62	20.00	21.03	95
Gooseberry Reservoir x	8700	3/29	1.40	3.44b	16.10	17.27b	93
Orange Olsen	7300	3/30	0.80	- -	9.35	- -	- -
Red Pine Ridge	9400	3/30	2.65	3.83b	20.85	18.98*	110
Stuart R.S.	7950	3/31	- -	- -	14.05	11.21*	125
<u>FREMONT &amp; MUDDY RIVERS</u>							
Dill's Camp	9200	3/28	1.10	- -	14.25	- -	- -
Black's Flat-U.M. Crk.	9250	3/27	0.57	2.87b	11.82	11.80*	100
Farnsworth Lake x	9900	3/30	0.78	4.63b	17.12	18.15b	94
Fish Lake	8700	3/27	0.31	1.73b	8.51	8.11b	105
Widtsoe-Escalante #3	9500	3/31	0.51	2.49b	12.20	12.44b	98
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	3/27	0.10	2.88b	20.10	16.92b	119
Camp Jackson	8600	3/27	0.90	2.65*	16.93	14.31*	118
LaSal Mountain (upper	9600	3/28	0.20	- -	14.35	14.56*	98

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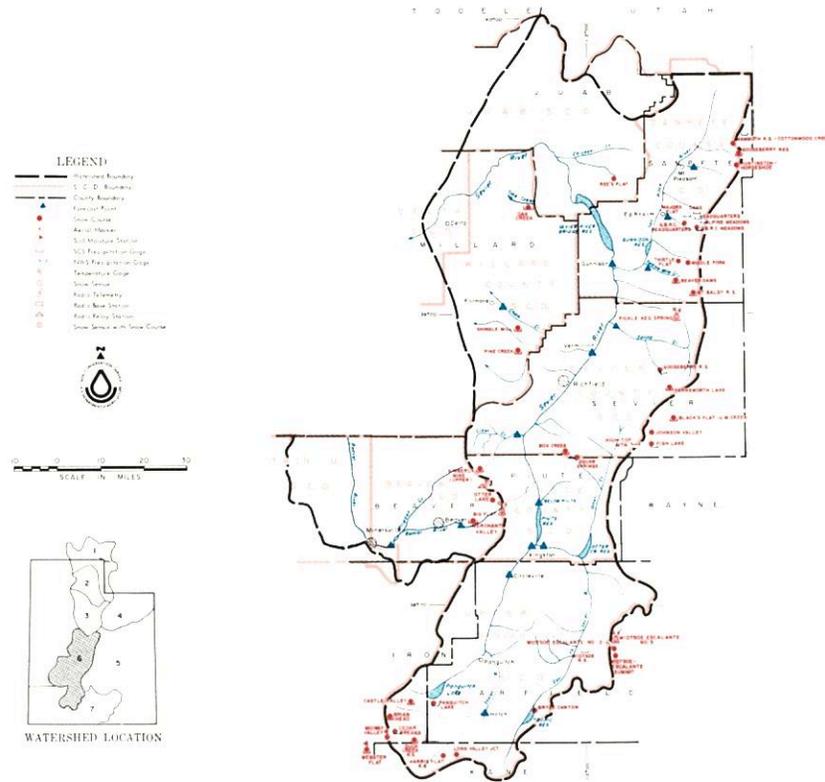
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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



APRIL 1, 1972

The 1972 Water Supply Outlook for the Sevier and Beaver River Basins is now "much below average".

**Snow Cover** receded rapidly during March as a result of another warm and very dry month. Snow cover on the Upper Sevier river is now only 48% of the April 1 average for the 1953-67 period. Many snow courses that usually gain 2 to 4 inches of water content during March, lost as much as 10 inches of water this year which was a record snow melt loss for the month of March. The East Fork Sevier snow cover is now 54% of average, Clear Creek is 50% and Salina Creek is 72% of the April 1 average. Beaver River snow cover is now 58% of average and Pine Creek snow course near Fillmore had no snow. This is the first time this course has measured no snow on April 1 since measurements began in 1949.

**Reservoir Storage** on the three main Sevier reservoirs total 295,100 acre feet or 179% of the April 1 average. Otter Creek has 39,400 acre feet, Piute 66,400 acre feet and Sevier Bridge 185,700 acre feet. Sevier Bridge is not expected to fill this season. Gunnison Reservoir now has 18,100 acre feet or almost full and Minersville has 17,000 acre feet or about 1,200 acre feet less than last April 1.

**Streamflow Forecasts** have dropped greatly due to the extremely dry, warm weather and now range from 39% of average for the Sevier near Kingston to 79% of average for Ephraim Creek. The Sevier is now forecast to produce 20,000 acre feet (61%) at Hatch during the April-July period, 14,500 acre feet (54%) at Circleville, and 23,000 acre feet (74%) at Gunnison. The inflow Kingston to Vermillion is expected to be 18,200 acre feet during the April-June period and very little flow above the 360 cfs is expected below Vermillion. Possibly 400 to 600 acre feet. The inflow to Sevier Bridge Reservoir October through March was about 94,400 acre feet.

The Beaver River is now forecast to produce 13,000 acre feet or 69% of the April-July average for the 1953-67 period. Last year's flow for this period was 18,700 acre feet as reported by the U. S. Geological Survey. Flow into Minersville Reservoir is expected to be only about 2,000 acre feet or 42% of the April-June average this season unless above average precipitation occurs during the runoff period. Water conserving measures should be practiced this season since water supply shortages are expected by mid-season in areas without adequate reservoir storage.

Report prepared by  
BOB L. WHALEY

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FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK 1972-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-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APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	7.0	53	Apr-July		13.2
Clear Crk nr Sevier (above div.)	9.7	77	Apr-July	15.1	12.5b
East Fork Sevier nr Kingston(1)	7.0	60	Apr-July		11.7
Antimony Crk nr Antimony Inflow	6.0	76	Apr-July		7.8b
Kingston to Vermillion Dam	18.2	61	Apr-June		30 b
Vermillion Dam to Gunnison	27	61	Mar-June		45 b
Salina Crk at Salina (1)	4.0	68	Apr-June	13.0	5.9*
Sevier nr Circleville	14.5	54	Apr-July		27
Sevier nr Gunnison	23	74	Apr-July	40	31 b
Sevier at Hatch	20	61	Apr-July	24	33
Sevier nr Kingston	6.0	39	Apr-July		15.4
Sevier below Piute Dam (1)	13.0	45	Apr-July		29
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	11.0	79	Apr-July		13.9b
Pleasant Crk nr Mt. Pleasant	6.0	77	Apr-July	8.1	7.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	13.0	69	Apr-July	18.7	18.9
Minersville Reservoir Inflow (1)	2.0	42	Apr-June		4.7

**FORECAST DATE of LOW FLOW VALUES**

FORECAST POINT	Low Flow Value Second Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier(above div.)	5	July 5	July 19
Salina Creek at Salina	25	May 28	June 10
Sevier at Circleville(Circle Valley)	90	June 5	June 24
Sevier at Hatch (upper)	100	June 10	July 10

**PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)**

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	42	58	Apr-Sept
Circle Valley	55	66	Apr-Sept
Panguitch Valley	80	84	Apr-Sept
Sevier Valley	33	40	Apr-Sept

**OTHER SPECIAL FORECASTS**

Below Vermillion - Very little flow above 360 second feet is now expected this year - possibly 400 to 600 acre feet.

Inflow to Sevier Bridge Reservoir from October 1 to March 31 was 94,400 acre feet

- .....
- (1) - Observed flow corrected for change in storage and diversions
  - b - Average for all past record within 15-yr. period, but less than 15 years
  - \* - Partly estimated
  - x - Adjacent drainage

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>						
Big Flat x	10290	3/29	42	12.8	17.2	16.9
Box Creek	9800	3/27	19	6.6	11.5	11.7b
Bryce Canyon	8000	3/30	0	0.0	0.0	2.0
Castle Valley	9700	3/30	18	6.7	10.7	11.7b
Duck Creek R.S.	8700	3/28	8	1.8	8.6	11.8
Farview	8700	3/30	0	0.0		
Fish Lake	8700	3/27	0	0.0	5.4	5.7
Harris Flat R.S.	7700	3/28	0	0.0	5.3	5.7
Kimberly Mine	9300	3/29	18	7.2	17.0	14.3
Long Valley Jct. x	7500	3/28	0	0.0	0.0	1.2
Midway Valley	9800	3/28	42	16.4	17.2	20.2b
Panguitch Lake	8200	3/30	0	0.0	2.3	2.2
Squaw Springs	9300	3/27	0	0.0	5.4	6.3b
Widtsoe-Escalante Smt.	9500	3/31	0	0.0	1.4	5.4
Widtsoe-Escalante #2	9500	3/31	17	5.4	6.9	8.1
Widtsoe-Escalante #3	9500	3/31	26	9.6	8.9	7.4b
<u>LOWER SEVIER RIVER (Including San Pitch)</u>						
Beaver Dams	8000	3/28	1	0.3	11.3	11.2
Farnsworth Lake	9900	3/30	43	16.6	23.4	17.4
G.B.R.C. Headquarters	8700	3/31	24	9.5	15.4	16.1
G.B.R.C. Meadows	10000	3/31	49	20.5	28.0	24.3
Gooseberry R.S.	8400	3/30	9	3.6	14.1	10.8
Gooseberry Reservoir x	8700	3/29	30	13.2	19.4	18.1
Huntington-Horseshoe	9800	3/29	38	16.5	21.0	23.4
Mammoth R.S. - Ctnwd. Crk.	8800	3/29	30	13.2	20.4	19.0
Middle Fork	9600	3/27	51	19.0	25.2	22.5b
Mt. Baldy R.S.	9500	3/28	44	18.0	24.1	21.8
Oak Creek	7760	3/29	10	3.7	10.2	- -
Pickle Keg Springs	9600	3/24	19	7.8	16.4	- -
Pine Creek	8700	3/29	0	0.0	18.3	15.0
Ree's Flat	7300	3/23	15	5.5	15.8	12.0b
Shingle Mill	6200	3/24	4	1.5	10.6	8.3b
Thistle Flat	8500	3/27	24	9.8	17.1	15.5b
<u>BEAVER RIVER</u>						
Big Flat	10290	3/29	42	12.8	17.2	16.9
Merchant Valley	8200	3/30	0	0.0	8.8	8.1
Otter Lake	9300	3/29	28	9.3	14.2	13.3

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

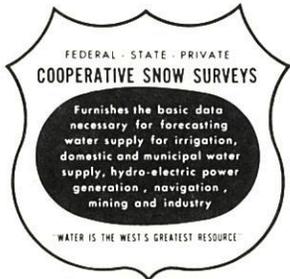
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Sevier River</u>	Gunnison	18.2	18.1	18.1	- -
	Otter Creek	52.5	39.4	50.4	27.9
	Piute	71.8	66.4	58.7	38.8
	Sevier Bridge	236.0	185.7	232.9	95.8
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	17.0	18.2	11.9

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Beaver Dams	8000	3/28	0.75	3.02b	12.60	14.32b	88
Big Flat x	10290	3/29	0.40	3.66b	11.53	15.52*	74
Box Creek	9800	3/27	0.29	3.07b	12.05	13.20b	91
Castle Valley	9700	3/30	0.49	3.19b	11.93	14.49b	82
Duck Creek R.S.	8560	3/28	0.22	3.20b	16.43	16.65*	99
Farnsworth Lake	9900	3/30	0.78	4.63b	17.12	18.15b	94
Fish Lake	8700	3/27	0.31	1.73b	8.51	8.11b	105
G.B.R.C. Headquarters	8700	3/31	0.50	3.80	15.27	17.57	87
G.B.R.C. Meadows	10000	3/31	1.20	4.62	20.00	21.03	95
G.B.R.C. Oaks	7655	3/31	0.30	2.53	10.30	12.05	85
Gooseberry R.S.	7800	3/30	0.37	3.03	12.13	12.59*	96
Gooseberry Reservoir x	8700	3/29	1.40	3.44b	16.10	17.27b	93
Kimberly Mine	8900	3/29	0.44	4.04	12.53	17.12*	73
Mammoth R.S. #2 x	8600	3/29	2.04	3.83b	16.34	18.23b	90
Mt. Baldy	9500	3/28	0.75	3.42b	15.45	15.85b	97
Oak Creek	7760	3/24	- -	- -	13.38	- -	- -
Panguitch Lake	8200	3/30	0.22	1.29b	9.49	6.80b	140
Pickle Keg Springs	9600	No data	- -	- -	- -	- -	- -
Pine Creek	8700	3/29	0.94	5.65b	20.06	21.74b	92
Shingle Mill	6200	3/24	0.60	3.17b	13.75	13.75b	100
Webster Flat x	9200	3/28	0.03	3.13	17.48	17.95b	97
Widtsoe-Escalante #3	9500	3/31	0.51	2.49	12.20	12.44b	98
Widtsoe R.S.	7600	3/31	0.17	0.77	5.31	4.55	117
Beaver Canyon P.H.	7275	Trace	- -	- -	7.30	- -	- -
Big Flat	10290	3/29	0.40	3.66b	11.53	15.52*	74
Merchant's Valley	8650	Delayed Data	- -	- -	- -	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE  
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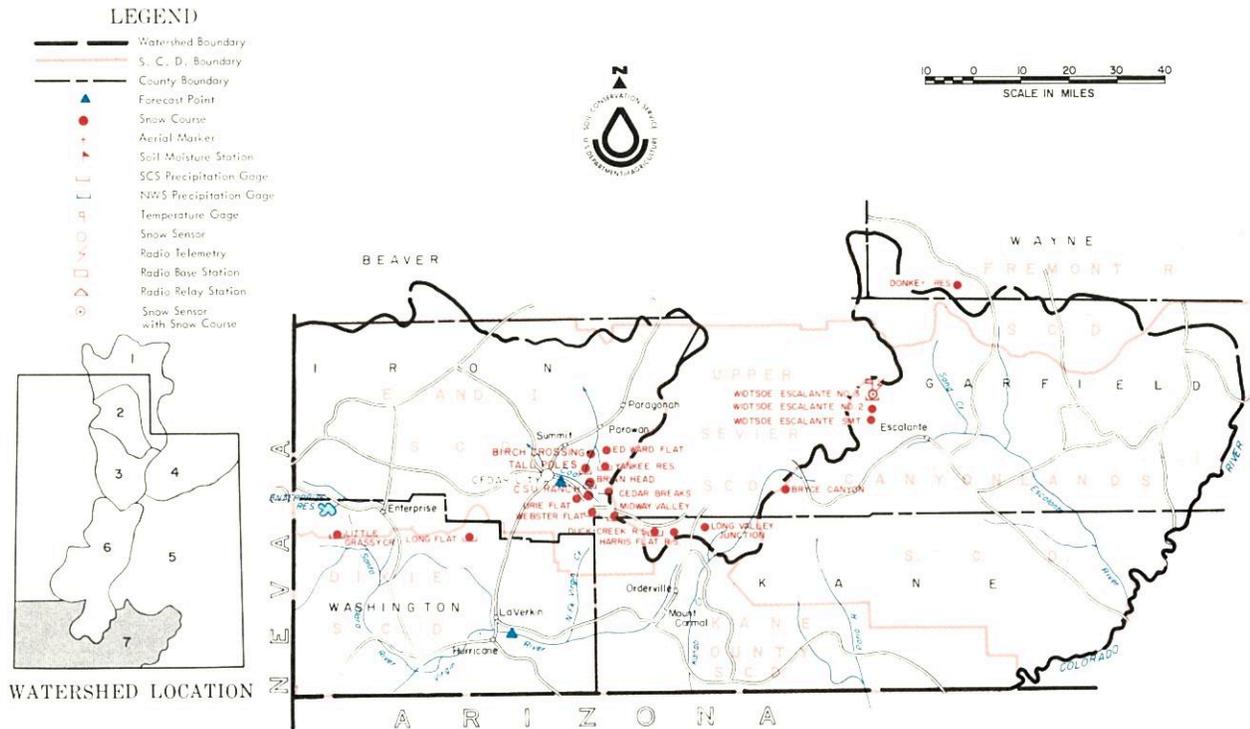
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*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS



The 1972 Water Supply Outlook for southwestern Utah has dropped to "much below average" as a result of a very warm, dry April.

Snow Cover dropped from a little above average on March 1 to about half of the usual April 1 water contents. Virgin River snow cover is now only 46% of average for the 1953-67 period for April 1. Coal Creek snow cover is now 56% of average and Parowan Creek 51% of average. Snow cover on the head of the Escalante River was 72% of the April 1 average. Generally, all snow has melted below the 9,000 foot elevation unless it is in a well shaded area. Precipitation during March varied from 0 to 20% of average and warm temperatures melted the snow pack much faster than usual. Snow courses that usually gain 1 to 3 inches of water content during March lost as much as 10 inches.

Reservoir Storage in Lake Powell is now 13,424,000 acre feet, a gain of 312,000 acre feet during March. Last year it held 12,434,000 acre feet on April 1.

Streamflow Forecasts have been reduced as a result of the extremely dry weather and now range from 45% of average on the Santa Clara to 90% for the inflow to Lake Powell. Virgin River is expected to flow only 20,000 acre feet (53%) during the April-June period at Virgin. Last year it produced 30,000 acre feet for the same period. Coal Creek is forecast to flow 7,500 acre feet (59%) during the April-July period.

Flows of streams in this area are expected to recede much earlier than usual causing Water Supply shortages by mid-summer.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK, APRIL 1972, MY-0-220277-1

APRIL 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	20	53	Apr-June	30	38
Santa Clara nr Pine Valley	1.5	45	Apr-June		3.3b
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	7.5	54	Apr-July		13.8
<u>UPPER COLORADO</u>					
Lake Powell Inflow	5900	90	Apr-July	8378	6527

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Colorado</u>	Lake Powell	25002.0	13,424.0	12434.0	5156.0
b - Average for all past record within 15 year period, but less than 15 years x - Adjacent drainage * - Partly estimated					

EAST GARFIELD, KANE, WASHINGTON & IRON

**SNOW**

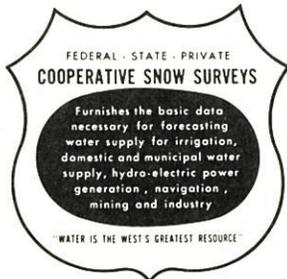
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	3/31	0	0.0	1.4	5.4
Widtsoe-Escalante #2	9500	3/31	17	5.4	6.9	8.1
Widtsoe-Escalante #3	9500	3/31	26	9.6	8.9	9.4b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	3/30	0	0.0	0.0	2.0
Rainbow Point x	9100	3/30	0	0.0	- -	- -
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	3/28	0	0.0	4.6	- -
Duck Creek R.S.	8700	3/28	8	1.8	8.6	11.8
Harris Flat x	7700	3/28	0	0.0	5.3	5.7
Long Valley Jct.	7500	3/28	0	0.0	0.0	1.2
Midway Valley X	9800	3/28	42	16.4	17.2	20.2b
Urie Flat	8450	3/28	0	0.0	6.2	5.1b
Webster Flat	9200	3/28	15	5.8	11.8	14.1
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	3/28	0	0.0	6.2	- -
Brian Head	10000	3/28	44	16.3	19.2	- -
Ed Ward Flat	8300	3/28	0	0.0	6.1	6.5
Tall Poles	8800	3/28	26	10.3	14.8	- -
Yankee Reservoir	8700	3/28	7	1.9	8.7	9.1
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	3/24	0	0.0	0.0	0.4b
Long Flat	8000	3/21	0	0.0	0.0	5.1b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	3/31	0.51	2.49b	12.20	12.44b	98
<u>VIRGIN RIVER</u>							
Duck Creek R.S.	8560	3/28	0.22	3.20b	16.43	16.65*	99
Webster Flat	9200	3/28	0.03	3.13*	17.48	17.95*	97
<u>COAL CREEK</u>							
Webster Flat x	9200	3/28	0.03	3.13*	17.48	17.95*	97
<u>PAROWAN CREEK</u>							
Tall Poles	8800	3/28	0.05	- -	14.04	- -	- -
Yankee Reservoir	8700	3/28	0.29	2.84b	10.66	11.33b	94
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	3/24	0.00	2.19b	12.15	11.68*	104
Long Flat	8000	3/21	0.00	2.65b	10.14	11.56b	88

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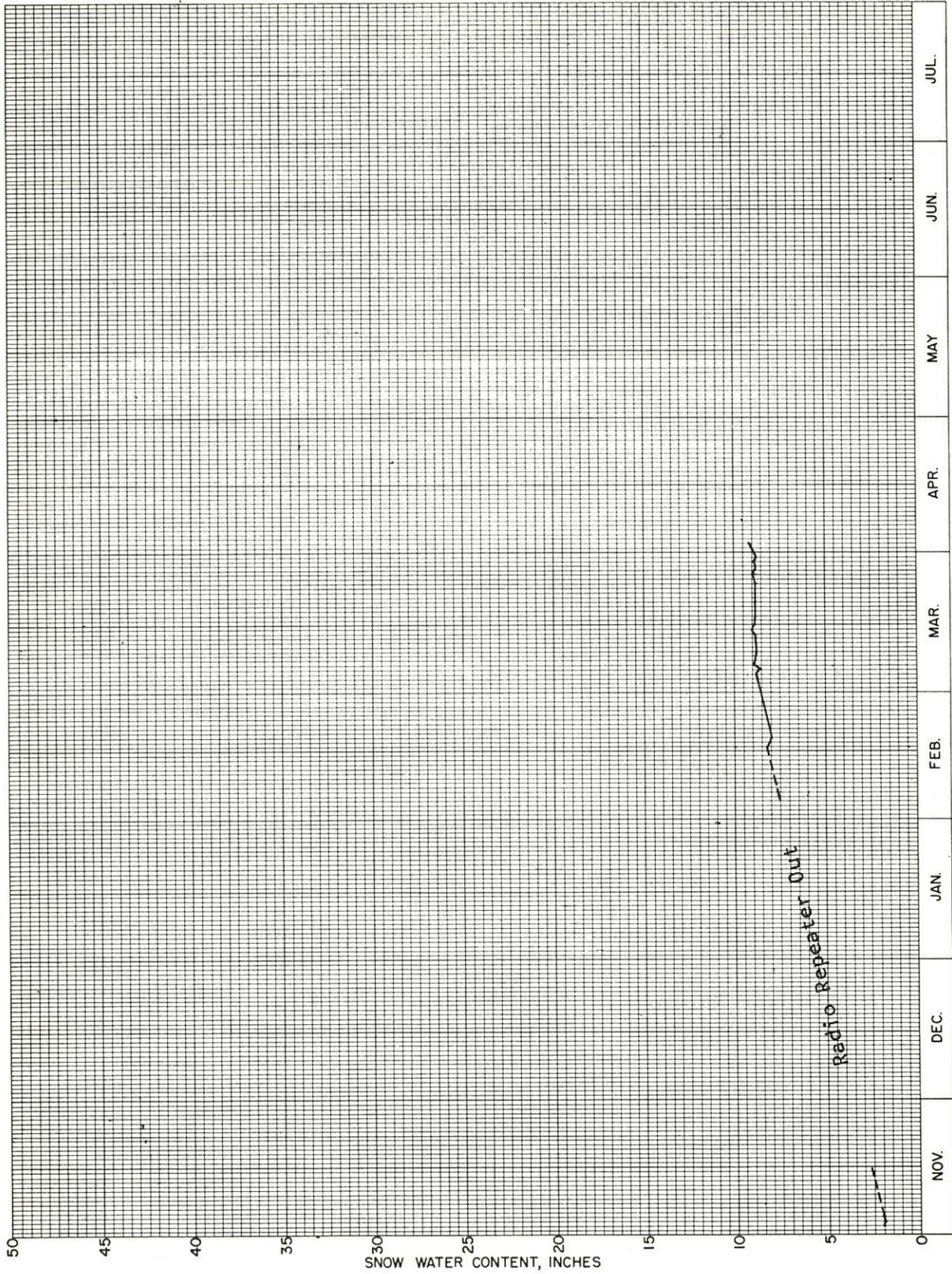
*"The Conservation of Water begins with the Snow Survey"*

SNOW PILLOW DATA  
WATER YEAR 1972

No. 12L7

Elev. 10,000

Drainage: Beaver River



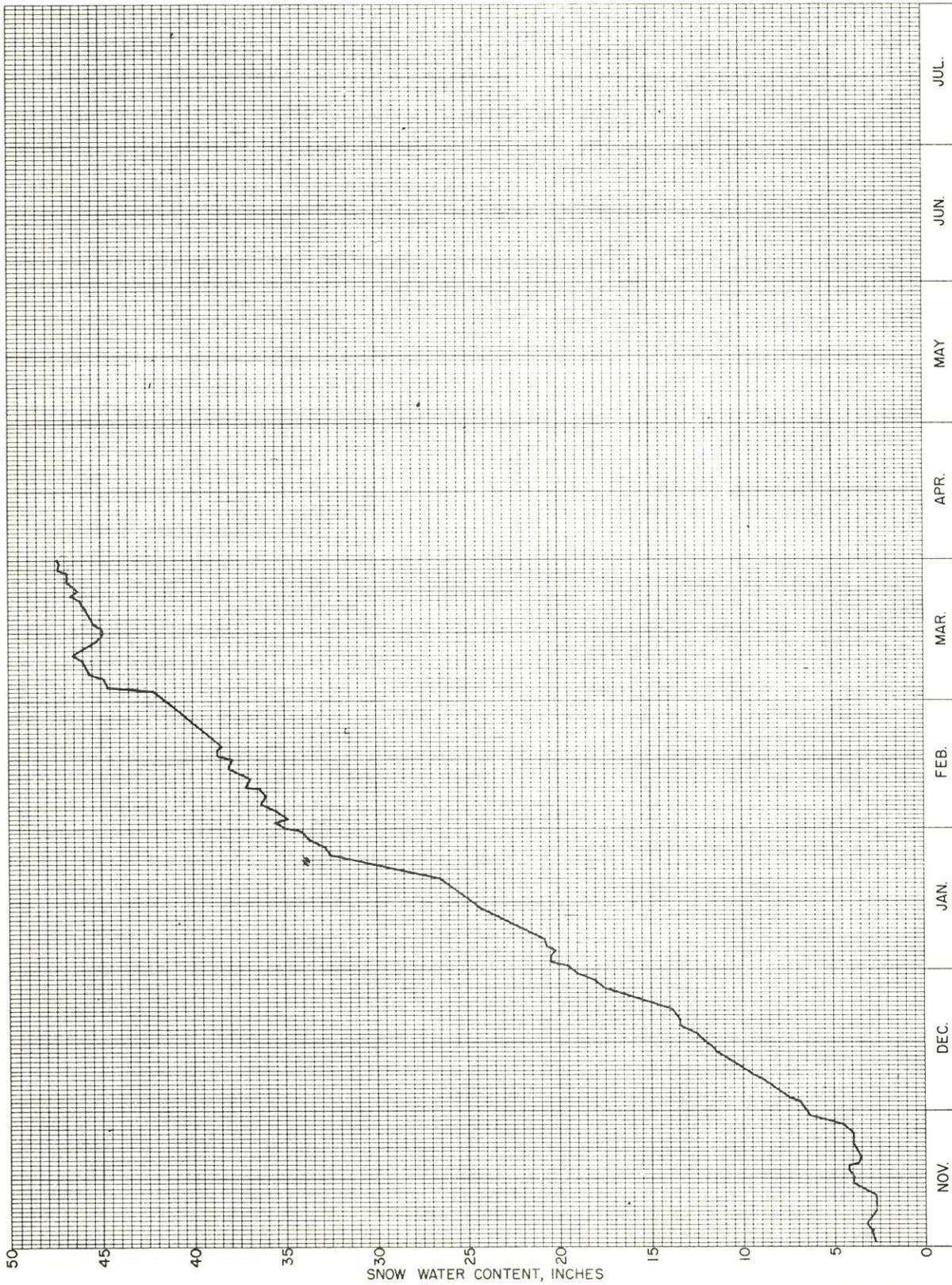
HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR \_\_\_\_\_

No. 11H21

Elev. 8260

Drainage: Lost Creek



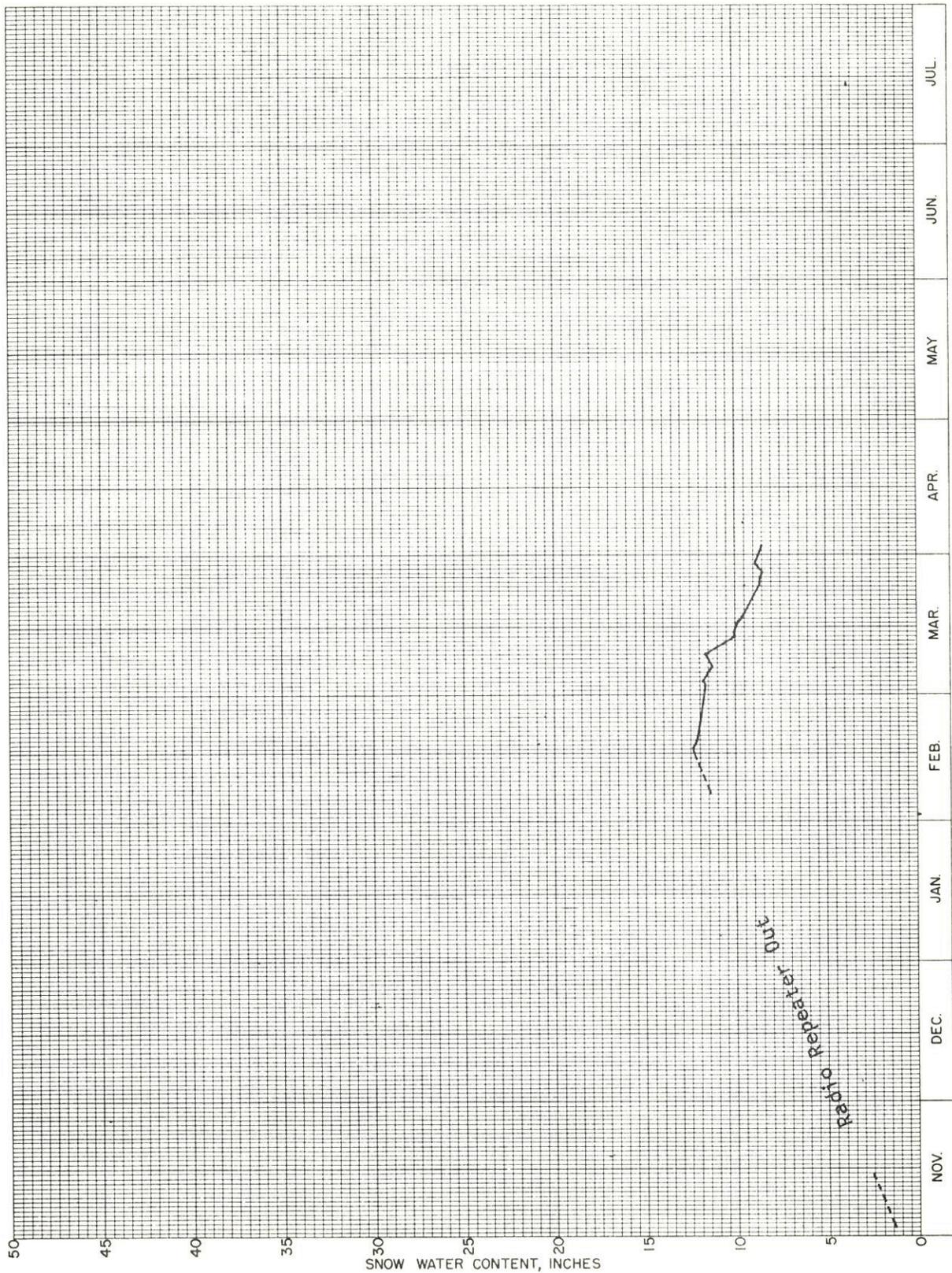
PICKLE KEG SPRINGS

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11K39

Elev. 9600

Drainage: Salina Creek



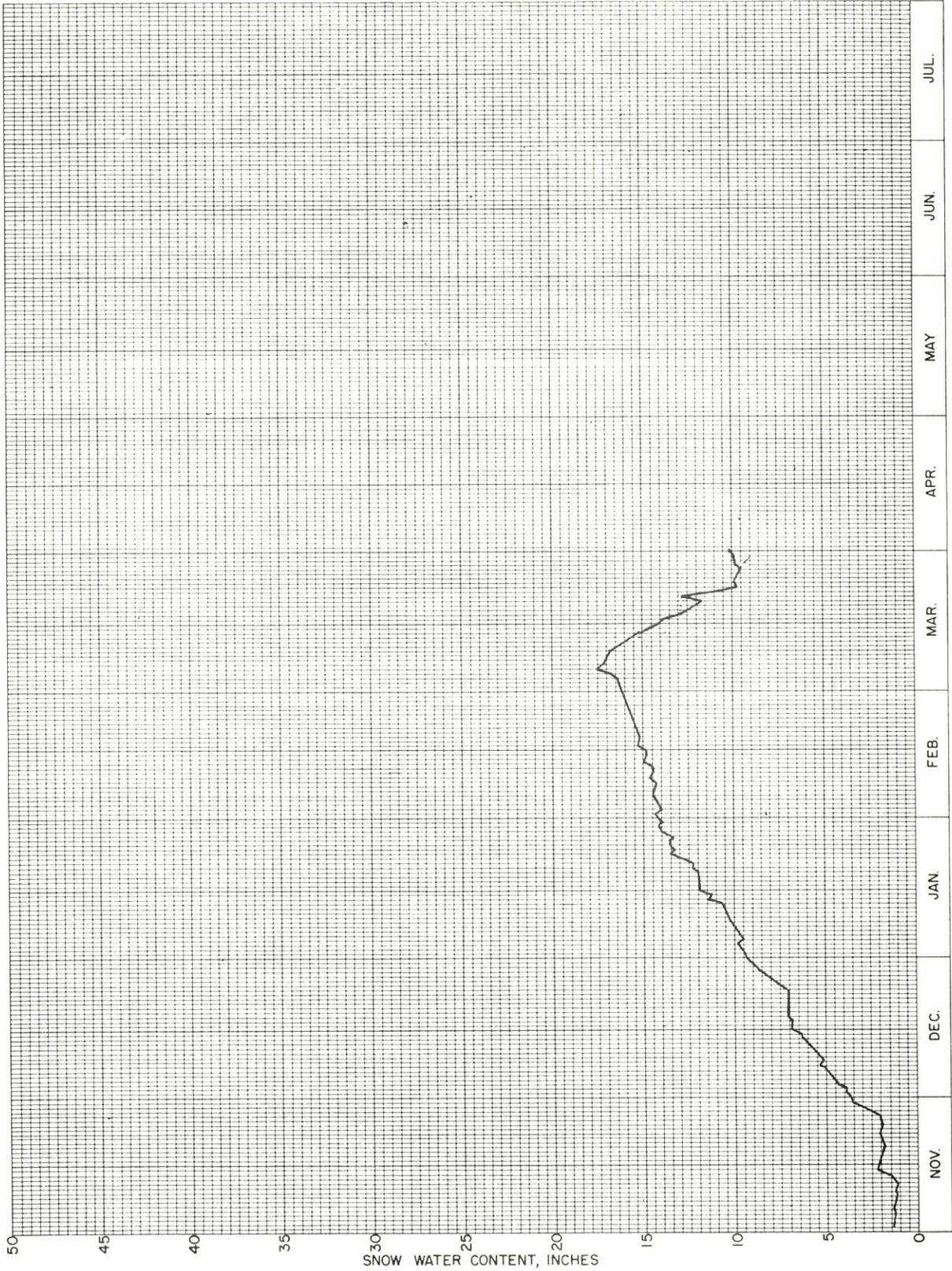
PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J15

Elev. 7500

Drainage: East Canyon Crk. - Weber River



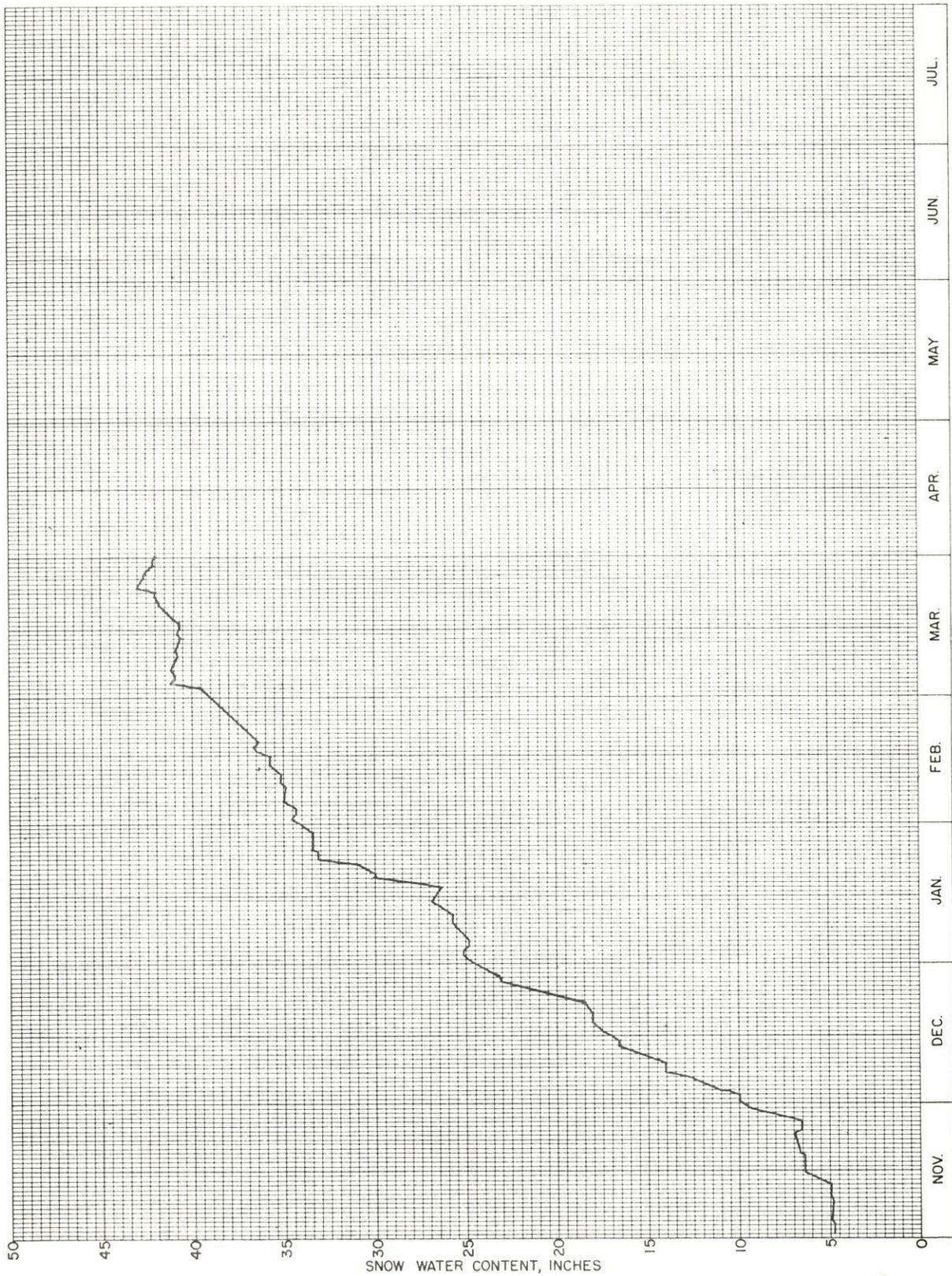
FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J11

Elev. 8000

Drainage: Farmington Creek





**FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS**



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**MAY 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**

ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.



*Released by*

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SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH

*In Cooperation with*

**HUBERT C. LAMBERT**

STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84111



# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1972

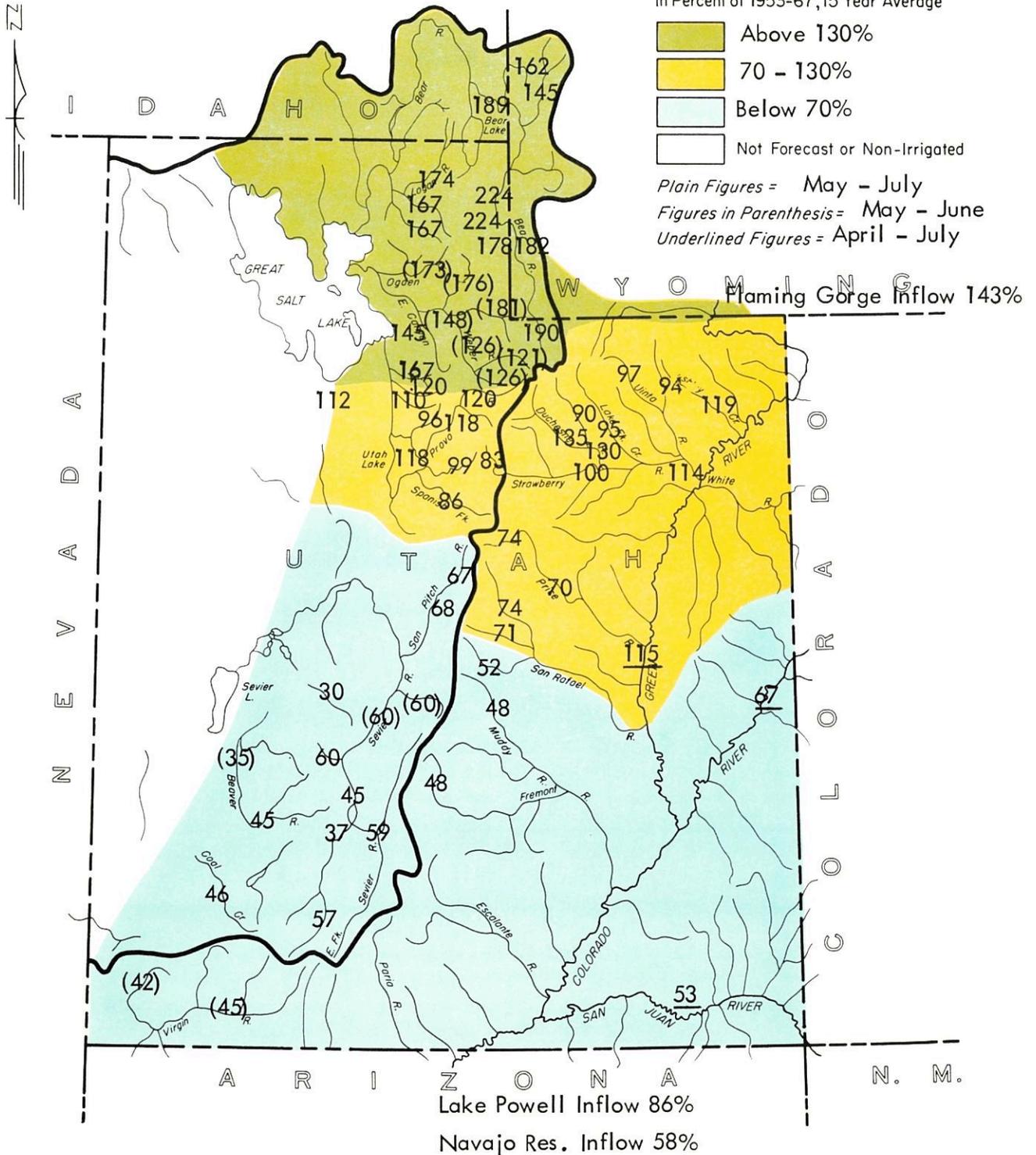
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = May - July  
Figures in Parenthesis = May - June  
Underlined Figures = April - July





# WATER SUPPLY OUTLOOK

as of

MAY 1, 1972

\*\*\*\*\*  
\* Utah's 1972 Water Supply Outlook varies from "poor" in the south- \*  
\* ern part of the State to "excellent" on northern streams. Reser- \*  
\* voir storage is 138% of the May 1 average. The May 1 snow pack \*  
\* ranges from 0 to 60% of average in southern Utah to 170% of aver- \*  
\* age on Bear River tributaries. \*  
\*\*\*\*\*

Snow Cover increased during April on Bear River tributaries. It now ranges from 128% of May 1 average, south of Evanston, to 170% on the Smiths Fork in Wyoming. Logan River snow cover was 169% of the May 1 average with intermediate elevation snow water accumulations greater than last year on May 1. A line of average snow cover extends across the State between Salt Lake and Provo and through the Uintah mountains. North of this line, May 1 snow water contents range from 100% to 170% and south of this area snow cover diminishes to 0 on many watersheds in southern Utah.

Mountain watershed precipitation was generally average to 160% of the April average in the northern part of the State but southern and eastern Utah Watersheds received as little as 9% of average for the month.

Reservoir Storage in 14 of Utah's major reservoirs, not including Colorado storage facilities, was 138% of the May 1 average for the 1953-67 period. The three Sevier River reservoirs (Otter Creek, Piute, and Sevier Bridge) contain 270,590 acre feet or 168% of average.

Contents of the Colorado River Storage Projects decreased 122,400 acre feet during the month and as of the end of April total storage was 55% of capacity. The elevation of Great Salt Lake was 4199.55 above mean sea level, 2.00 feet higher than a year ago and 8.20 feet higher than the all-time low of Oct. 1963.

Streamflow Forecasts range from 30% of average on Chalk Creek near Fillmore to 241% of average on the Bear near Randolph. Average to more than double average streamflow is expected in the northern half of the State while southern Utah streams can expect 30 to 60% of average for the remainder of the runoff period.

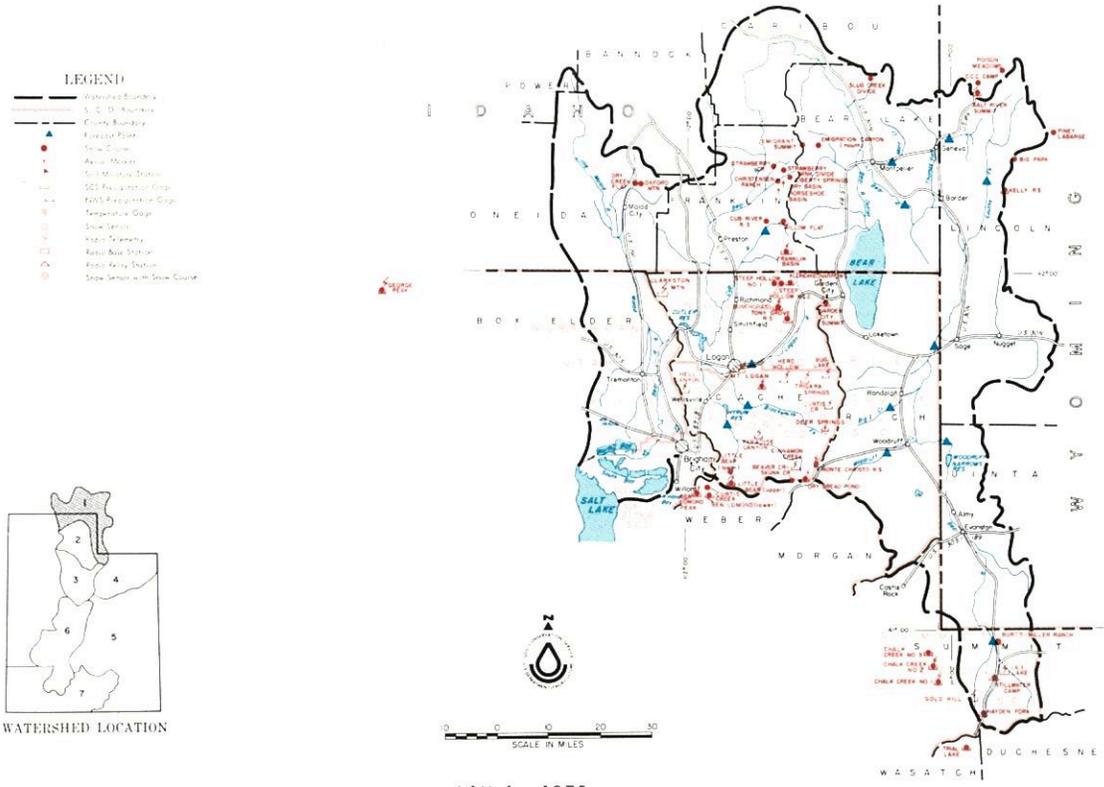
Heavy snowpack with predicted high flows in northern Utah are expected to produce some flooding on the lower Bear River. Water shortages are expected by early to mid-summer in southern Utah unless above normal precipitation occurs during the runoff period.



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

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



MAY 1, 1972

The 1972 Water Supply Outlook for the Bear River Drainage remains "excellent".

Snow Cover ranges from 128% of the May 1 average above Evanston to 170% on the Smith's Fork in Wyoming. Snow cover on the Logan increased to 169% of the May 1 average and 160% on the Blacksmith Fork-Little Bear Drainages. April precipitation was above average at all mountain locations on the Bear drainage and many snow courses continued to show good increases to the snow pack on May 1. Intermediate elevation snow cover on the Logan was heavier this year than a year ago on May 1st.

Reservoir Storage is 126% of the May 1 average in Bear Lake and about the same as last year at this time. Woodruff Narrows is still full, Porcupine held 11,000 acre feet and Hyrum held 11,600 acre feet on May 1st.

Streamflow Forecasts range from 140%(140,000 a.f.) for the Bear near Utah-Wyoming line to 241% (135,000 a.f.) at Randolph for the May-July period. The Bear at Harer, Idaho is expected to produce 340,000 a.f. (189%) during the May-Sept period with Smith's Fork contributing 145% of average and Thomas Fork 162% of its average flow. Big Creek is forecast to produce 8,500 a.f. (224%) and woodruff Creek 20,000 a.f. (178%).

The Logan River is forecast to produce 150,000 a.f. (174%) during the May-July period and is expected to have a maximum mean daily snow melt peak between 1200-1500 cfs. Blacksmith Fork is expected to produce 50,000 a.f. (167%) May-July and Little Bear is forecast to produce 31,000 a.f. (167%) during the May-June period. The Little Bear is expected to have a maximum mean daily snow melt peak between 650-850 cfs. Snow cover is heavy again this year and peak flows could exceed the ranges indicated if an abnormally warm period occurs early in the melt period.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

PWS-633 (REVISED) 0-67 1071 107-00-22027-1-L

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<b>BEAR RIVER SYSTEM</b>					
Bear at Harer, Idaho	340	189	May-Sept		180
Bear nr Randolph	135	241	May-July		56
Bear nr Ut-Wyo State Line	140	140	May-July	129	100
Bear nr Woodruff	160	182	May-July		88
Big Crk nr Randolph	8.5	224	May-July		3.8
Blacksmith Fork nr Hyrum	50	167	May-July	73	30
Little Bear nr Paradise	31	167	May-June		18.6
Logan nr Logan (1)	150	174	May-July	178	86
Smith's Fork nr Border, Wyoming	157	145	Apr-Sept		108
Woodruff Crk nr Woodruff, Utah	20	178	May-July		11.2
Thomas Fork	51	162	Apr-Sept		31

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Bear River</u>	Bear Lake	1421.0	1204.1	1202.0	951.9
	Woodruff Narrows	26.5	26.5	26.5	- -
<u>Little Bear</u>	Hyrum	15.3	11.6	11.9	15.1
	Porcupine	11.3	11.0	11.3	- -

**PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek near Randolph	70 - 110	43
Logan River near Logan	1200 - 1500	911
Woodruff Creek nr Woodruff	240 - 410	220
Little Bear nr Paradise	650 - 850	439

(1) - Observed flow corrected for change in storage and diversions  
 (3) - Data obtained by radio - USU-SCS cooperative sites  
 b - Average of all past record within the 15-yr period, but less than 15 years  
 x - Adjacent drainage  
 \* - Partly estimated

BEAR RIVER BASIN

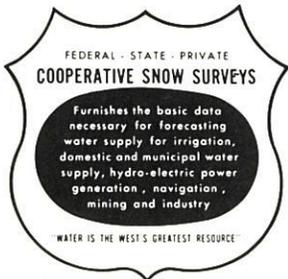
SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER BEAR RIVER</u> (Above Harer, Idaho)						
Big Park x	8700	4/24	78	31.9	33.8	20.2
Burts-Miller Ranch	7900	4/21	2	0.9	0.0	1.1b
CCC Camp	7500	4/28	27	13.2	18.2	5.9
Hayden Fork	9400	4/21	52	20.5	13.7	14.7b
Kelly Ranger Station	8200	4/24	68	28.6	30.3	17.2
Monte Cristo R.S.	8960	4/27	82	37.8	39.2	24.6
Piney-LaBarge x	8820	4/29	67	33.0	37.9	- -
Poison Meadows x	8500	4/29	111	46.7	49.7	31.5*
Salt River Summit x	7900	4/28	44	21.4	26.3	11.9*
Stillwater Camp	8550	4/21	24	9.7	7.8	6.6b
Trial Lake x	9800	4/29	85	34.8	33.4	27.3
<u>LOWER BEAR RIVER</u> (Below Harer, Idaho)						
Beaver Crk-Skunk Crk	7150	4/27	11	4.7	5.8	3.3
Christensen Ranch	5600	5/1	0	0.0	0.0	0.0*
Cub River R.S.	5400	5/1	0	0.0	0.0	0.0*
Dry Bread Pond x	8230	4/27	47	21.4	22.5	13.9
Emigrant Summit	7350	4/28	65	32.1	38.6	21.5*
Garden City Summit	7600	4/25	59	27.5	25.8	14.7
Klondike Narrows	7400	4/25	47	23.0	25.6	13.2b
Liberty Spring	8600	5/1	120	53.0	61.8	39.4*
Little Bear (lower)	6000	4/26	0	0.0	0.0	0.5b
Little Bear (upper)	6550	4/26	7	2.8	2.6	2.3b
Monte Cristo R.S.	8960	4/27	82	37.8	39.2	24.6
Steep Hollow #1	8500	4/25	121	52.9	58.7	35.3b
Steep Hollow #2	7700	4/25	72	34.8	39.0	20.3b
Strawberry Creek	5800	5/1	0	0.0	4.3	2.1*
Strawberry Mink Divide	6800	5/1	39	19.2	29.0	14.1*
Tony Grove R.S.	6250	4/25	9	4.2	1.8	0.8b
Willow Flat	6100	5/1	0	0.0	6.2	3.3*
Slug Creek Divide	7225	4/28	38	19.6	- -	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Burt's - Miller Ranch	7900	4/21	4.12	- -	14.70	- -	- -
Chalk Creek #1 x	9100	5/1	6.58	- -	31.24	-- -	- -
Chalk Creek #2 x	8000	5/1	6.49	3.32*	24.45	18.28*	134
Chalk Creek #3 x	7500	4/24	5.16	3.91b	21.58	16.64*	130
Cinnamon Crk (3)	7300	5/1	4.60	- -	25.83	- -	- -
Clarkston (3)	6300	5/1	4.03	- -	29.62	- -	- -
Curtis Creek (3)	8450	Not measured		- -		- -	
Dry Bread Pond	8230	4/27	5.35	4.00*	28.38	23.90*	123
Franklin Basin	8000	5/1	7.34	- -	38.35	- -	- -
Garden City Summit	7600	4/25	5.48	3.40*	32.14	21.30*	151
Gold Hills (3)	10000	5/1	6.50	- -	32.73	- -	- -
Hayden Fork	9300	4/21	5.60	- -	33.89	- -	- -
Kelly R.S.	8200	4/24	4.40	- -	29.10	- -	- -
Klondike Narrows	7400	5/1	8.26	3.49*	38.79	26.76*	145
Little Bear (upper)	6850	5/1	6.06	4.46*	32.68	22.92*	143
Monte Cristo #2	8960	4/27	7.22	5.48b	39.19	30.13b	130
Sagebrush Flat x	6300	4/27	3.88	2.63b	22.90	15.99b	143
Salt River Summit	7900	4/28	3.80	2.54b	27.10	18.23*	149
Stillwater Camp	8550	4/21	4.25	2.94b	20.02	15.52*	129
Tony Grove R.S. (SCS)	6250	5/1	4.91	3.40b	35.53	22.15b	160
Trial Lake x	9800	4/29	5.51	3.87	36.28	25.05*	145
Willow Flat	6100	5/1	6.15	4.02b	32.80	25.17	130

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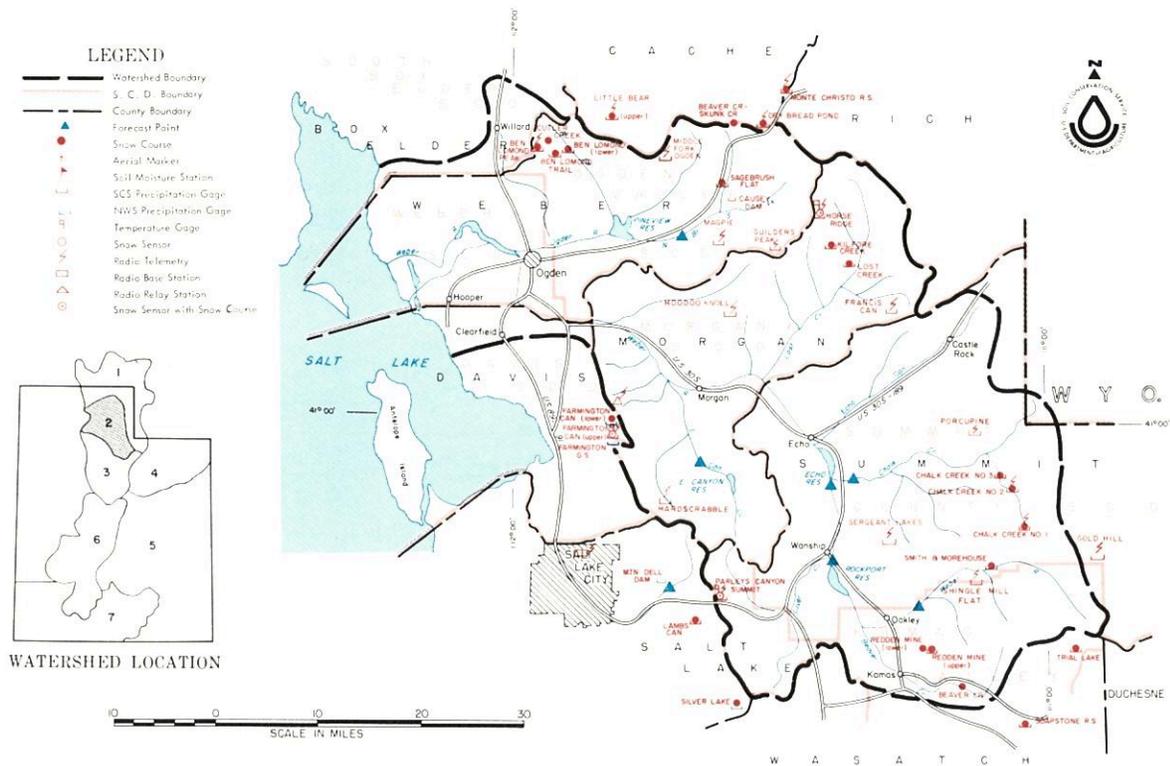
**FIRST CLASS MAIL**

*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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



The 1972 Water Supply Outlook for the Ogden and Weber River Basins remain "above average to excellent".

Snow Cover increased during April and now ranges from 128% of the May 1 average on the Upper Weber to 176% of average on the Ogden River. Lost Creek snow cover is 150% of average and about 25% more water content than last year at this time. East Canyon and Chalk Creek snow cover is 130% of the May 1 average. Park City Summit snow pillow still had 104 inches of depth and 44.7 inches of water content on May 3rd.

Reservoir Storage is above average in all reservoirs except those deliberately held down to accept the peak runoff. Pineview had 84,600 a.f. and Willard Bay 176,700 a.f. on May 1st. East Canyon had 43,300 a.f. - Rockport had 23,800 a.f. - Echo had 65,800 a.f. and Lost Creek had 12,500 a.f. on May 1.

Streamflow Forecasts range from 126% of average (105,000 a.f.) for the Weber at Oakley during the May-June period to 207% (17,000 a.f.) for Lost Creek for the same period. Chalk Creek is expected to produce 38,000 a.f. (181%) and East Canyon Creek 16,000 a.f. (148%). The Inflow to Pineview Reservoir is forecast to be 102,000 a.f. (173%) and the South Fork of the Ogden is expected to produce 58,000 a.f. (176%) during the May-June period. The Inflow to Rockport Reservoir is forecast to be 115,000 a.f. (121%) during the same period. Maximum mean daily peak flow is expected to be between 350 to 500 cfs on Lost Creek and between 800 to 1100 cfs for the South Fork of the Ogden near Huntsville if near normal temperature and precipitation occurs during the runoff period.

Report prepared by  
BOB L. WHALEY  
U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

1972-0-22027-2-L

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk. at Coalville	38	181	May-June		21
East Canyon Crk. nr Morgan (2)	16.0	148	May-June		10.8
Hardscrabble Crk nr Porterville	15.0	142	May-June		10.6
Lost Crk nr Croydon, Utah	17.0	207	May-June	15.4	8.2
Pineview Reservoir Inflow (3)	102	173	May-June	92	59
South Fork Ogden nr Huntsville	58	176	May-June		33
Rockport Reservoir Inflow (4)	115	121	May-June		95
Weber nr Coalville (5)	106	126	May-June		84
Weber nr Oakley	105	126	May-June		83

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek near Croydon	350 - 500	171
So. Fork Ogden nr Huntsville	800 - 1100	643

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ogden</u>	Causey	7.1	1.8	1.1	- -
	Pineview	110.1	84.6	59.7	50.9
<u>Weber</u>	East Canyon	48.1	43.3	41.9	18.5
	Echo	73.9	65.8	61.0	51.2
	Lost Creek	20.0	12.5	10.4	- -
	Rockport	60.9	23.8	26.3	27.3
	Willard Bay	193.3	176.7	183.8	- -

(1) - Observed flow corrected for change in storage and diversions  
 (2) - Inflow record as computed by U.S. Bureau of Reclamation  
 b - Average of all past records within the 15-year period, but less than 15 years  
 x - Adjacent drainage  
 \*\* - Snow pillow reading cooperatively by Park City Resort  
 \* - Partly estimated  
 (3) - Data obtained by radio - USU-SCS cooperative sites

WEBER-OGDEN WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Crk	7150	4/27	11	4.7	5.8	3.3
Ben Lomond (lower)	6000	4/26	13	6.1	2.3	3.7b
Ben Lomond Peak	8000	4/26	88	43.1	40.1	30.6
Ben Lomond Trail	6000	4/26	16	7.2	4.9	5.3b
Cutler Creek	6780	4/26	61	29.6	24.1	23.8b
Dry Bread Pond	8230	4/27	47	21.4	22.5	13.9
Monte Cristo R.S.	8960	4/27	82	37.8	39.2	24.6
Sagebrush Flat	6300	4/27	0	0.0	0.0	0.0b
<u>WEBER RIVER</u>						
Beaver Creek R.S.	7500	4/29	0	0.0	0.0	1.1
Chalk Creek #1	9100	4/24	74	29.6	28.6	23.2
Chalk Creek #2	7900	4/24	45	18.2	14.4	11.8
Chalk Creek #3	7500	4/24	0	0.0	0.0	1.9*
Farmington Canyon (lower)	6950	4/28	52	23.6	22.4	17.8
Farmington Canyon (upper)	8000	4/28	96	43.9	37.1	27.1b
Lamb's Canyon x	6600	4/27	27	11.5	9.0	6.3
Lost Creek Reservoir	6125	Not Measured			- -	- -
Park City Smt.	9300	5/3	104	44.7	- -	- -
Parley's Canyon Smt.	7500	4/27	37	15.5	11.8	10.4
Redden Mine (lower)	8500	4/26	41	16.2	18.0	14.9*
Redden Mine (upper)	9000	4/26	48	20.0	20.5	17.0
Silver Lake x	8725	4/28	70	33.6	25.5	24.2
Smith & Morehouse	7600	4/24	15	5.0	5.5	5.8
Trial Lake x	9800	4/29	85	34.8	33.4	27.3
Horse Ridge	8260	4/28	62	31.3	25.2	20.2
Kilfore Creek	7300	4/28	29	13.6	- -	9.7b

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	6000	4/26	6.06	4.72*	41.14	28.19*	146
Ben Lomond Trail	6000	4/26	6.12	7.07b	41.28	31.72*	130
Causey Dam	5500	4/27	3.79	2.95b	24.59	- -	- -
Dry Bread Pond	8230	4/27	5.35	4.00*	29.38	23.90*	123
Monte Cristo #2 x	8960	4/27	7.22	5.48b	39.19	30.13b	130
Sagebrush Flat	6300	4/27	3.88	2.63b	22.90	15.99b	143
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	5/1	6.58	- -	31.24	- -	- -
Chalk Creek #2	7900	5/1	6.49	3.32*	24.45	18.28*	134
Chalk Creek #3	7500	4/24	5.16	3.91b	21.58	16.64b	130
Farmington Guard Station	7500	4/28	7.70	5.54	47.68	32.30	148
Farmington Rice	7000	4/28	7.14	5.54	42.65	29.92	142
Horse Ridge	8260	4/28	5.60	- -	40.05	- -	- -
Lost Creek Reservoir	6125	Not	Measured	- -	- -	- -	- -
Mt. Dell Dam x	5500	4/30	4.82	2.88	17.57	14.72	119
Parley's Canyon Smt.	7500	4/27	7.20	4.71*	32.50	24.04*	135
Redden Mine (upper)	9000	4/26	5.10	- -	30.40	- -	- -
Sargeant Lakes	8400	No	data	- -	- -	- -	- -
Silver Lake (Brighton) x	8725	5/1	7.45	6.58	37.63	30.73	122
Smith & Morehouse	7600	4/26	4.68	3.54*	25.95	19.99*	130
Trial Lake x	9800	4/29	5.51	3.87	36.28	25.05*	145

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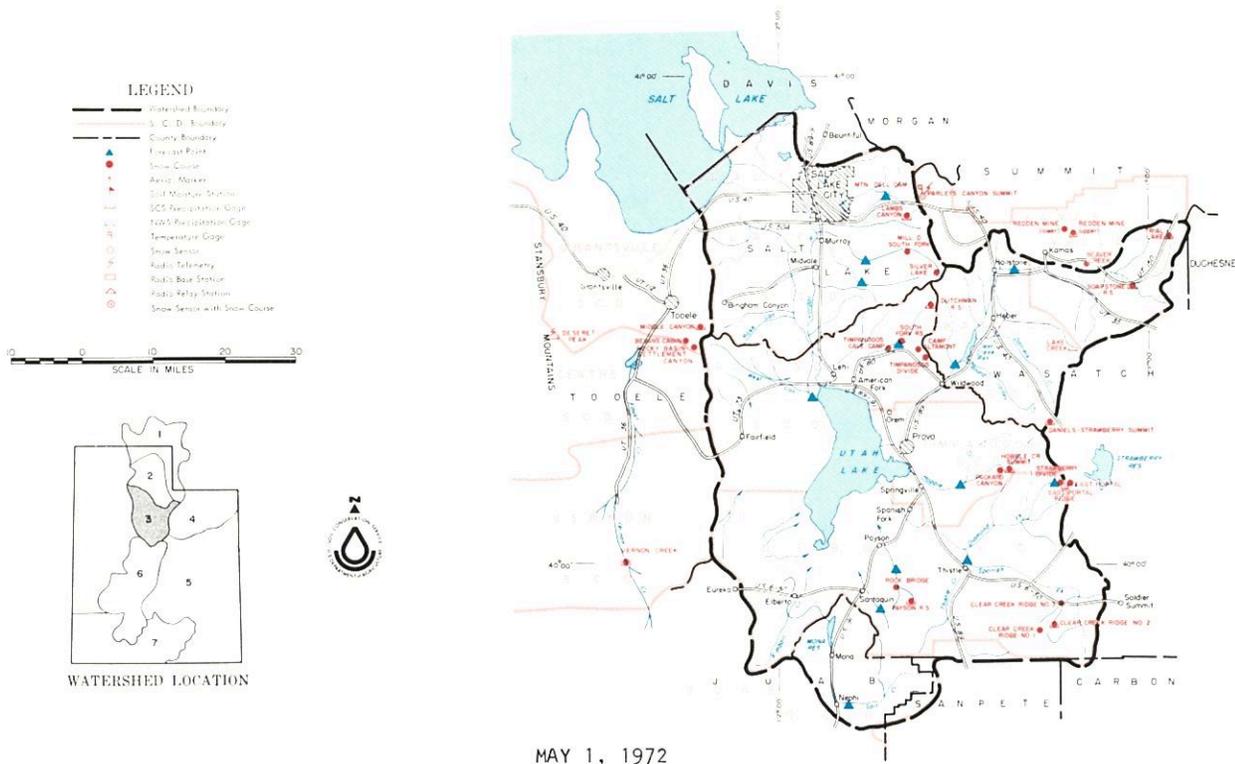
## FIRST CLASS MAIL

*"The Conservation of Water begins with the Snow Survey"*

# 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-DIVISION OF WATER RIGHTS**



MAY 1, 1972

The 1972 Water Supply Outlook for Utah Lake, Jordan River and Tooele Watersheds remains "near average" to "above average".

Snow Cover ranges from practically no snow remaining on Hobble Creek to 134% of the May 1 average on Parleys and Cottonwood Creeks above Salt Lake City. Snow cover on Spanish Fork River is 65% of average and Payson Creek 34% of the May 1 average. The Upper Provo River snow cover was 98% of the May 1 average and Tooele Watershed snow cover averaged 113% of the May 1 average for the 1953-67 period.

Reservoir Storage is still above average with Utah Lake now at 855,500 a.f. of useable storage and 0.3 foot below Compromise. Strawberry now holds 219,400 a.f. or 9,200 a.f. more than last year at this time and Deer Creek held 129,000 a.f. on May 1 or about 18,100 a.f. more than last year on May 1st.

Streamflow Forecasts now range from 83% of average for Strawberry Inflow (26,000 a.f.) to 167% (12,000 a.f.) for Parleys Creek for the May-July period. The Provo River is forecast to produce 98,000 a.f. (120%) at Hailstone and 103,000 a.f. (118%) below Deer Creek Dam. American Fork River is expected to produce 23,000 a.f. (96%) and Hobble Creek 10,000 a.f. (99%) May through July. Utah Lake Inflow is forecast at 118% of average or 160,000 a.f. during the May-July period.

Big Cottonwood Creek is expected to produce 36,000 a.f. (120%) and Little Cottonwood 34,000 a.f. (110%) during the May-July period. Farmington Creek is forecast at 145% of average (8,100 a.f.) and Settlement Canyon Creek near Tooele is expected to produce about 1,900 acre feet (112%) during the May through July period.

Report prepared by  
BOB L. WHALEY  
U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	FORECAST PERIOD	Last Year Average †
<u>PROVO RIVER &amp; UTAH LAKE</u>				
American Fork nr American Fork	23	96	May-July	24
Hobble Crk. nr Springville	10.0	99	May-July	10.1
Provo nr Hailstone (6)	98	120	May-July	82
Provo below Deer Crk. Dam (7)	103	118	May-July	87
Spanish Fork at Thistle	18.0	86	May-July	21
Strawberry Reservoir Inflow (8)	26	83	May-July	31
Utah Lake Inflow	160	118	May-July	135
<u>JORDAN RIVER &amp; SALT LAKE</u>				
Big Cottonwood nr SLC	36	120	May-July	30
Farmington Crk nr Farmington	8.1	145	May-July	5.6
Little Cottonwood Crk nr SLC	34	110	May-July	31
Parley's Crk nr SLC	12.0	167	May-July	7.2
Settlement Canyon nr Tooele	1.9	112	May-July	1.7b

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Spanish Fork</u>	Strawberry	270.0	219.4	210.2	132.2
<u>Utah Lake</u>	Utah Lake	883.9	855.5	883.9	620.4
<u>Provo</u>	Deer Creek	149.7	129.0	110.9	97.0
(1) - Observed flow corrected for change in storage and diversions x - Adjacent drainage b - Average of all past records within the 15-year period, but less than 15 years * - Partly estimated					

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R.S.	7500	4/29	0	0.0	0.0	1.1
Camp Altamont	7300	4/28	0	0.0	0.0	4.9
Clear Creek Ridge #1	9200	4/27	31	13.6	15.9	15.2b
Clear Creek Ridge #2	8000	4/27	11	4.6	7.5	7.4b
Clear Creek Ridge #3	6600	4/27	0	0.0	0.0	0.1b
Daniels Strawberry Smt.	8000	4/24	0	0.0	4.6	6.5
Dutchman R.S.	7560	4/28	0	0.0	2.6	8.1b
East Portal	7560	4/28	0	0.0	- -	10.1b
Hobble Creek Summit	7420	4/26	0	0.0	2.0	5.1b
Packard Canyon	6400	4/26	0	0.0	0.0	0.8b
Payson R.S.	8050	4/26	18	6.3	8.3	11.7b
Rock Bridge	6750	4/26	0	0.0	0.0	3.4b
Soapstone R.S.	7800	4/29	4	1.5	4.2	5.7
Strawberry Divide	8000	Not Measured			- -	- -
Timpanogos Divide	8140	4/28	28	14.2	13.8	18.4
Trial Lake	9800	4/29	85	34.8	33.4	27.3
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Bevan's Cabin	6450	4/24	8	3.5	5.6	1.7b
Lamb's Canyon	6600	4/27	27	11.5	9.0	6.3
Middle Canyon - Tooele	7000	4/24	9	3.8	10.9	6.0b
Mill D South Fork	7400	4/28	28	13.4	15.5	11.9
Parley's Canyon Smt. x	7500	4/27	37	15.5	11.8	10.4
Rocky Basin-Sttlmt. Canyon	8900	4/28	67	28.7	32.0	24.2b
Silver Lake	8725	4/28	70	33.6	25.5	24.2
Vernon Creek	7500	4/24	0	0.0	1.6	- -
Snowbird Lodge	8200	5/2	35	15.8*	- -	- -
Lamb's Canyon #2	7400	4/27	23	10.2	- -	- -

## PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	4/27	6.40	2.97b	22.18	17.29*	128
Daniels-Strawberry Smt.	8000	4/24	2.64	2.72*	22.33	19.83*	113
Dutchman R.S.	7560	4/28	4.00	3.91b	29.25	23.17b	126
East Portal Ridge	7800	4/28	2.00	3.63	20.61	20.53*	100
Hobble Creek Smt.	7420	4/26	2.50	- -	21.87	- -	- -
Payson R.S.	8050	4/26	4.30	3.59b	20.83	20.56	101
Soapstone R.S.	7800	4/29	3.25	2.94*	22.76	17.61*	129
Timpanogos Divide	8200	4/28	5.35	3.69	31.20	27.47	114
Trial Lake	9800	4/29	5.51	3.87	36.28	25.05*	145
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>							
Lamb's Canyon #2	7400	4/27	5.60	- -	32.06	- -	- -
Middle Canyon	7000	4/24	6.15	4.42b	20.07	20.85*	96
Mt. Dell Dam	5500	4/30	4.82	2.88	17.57	14.72	119
Parley's Canyon Smt.	7500	4/27	7.20	4.71	30.65	24.04	127
Rocky Basin-Setlmt. Cyn.	8900	4/28	6.40	- -	26.10	- -	- -
Silver Lake (Brighton)	8725	5/1	7.45	6.58	37.63	30.73	122
Vernon Creek	7500	4/24	1.88	- -	17.70	- -	- -

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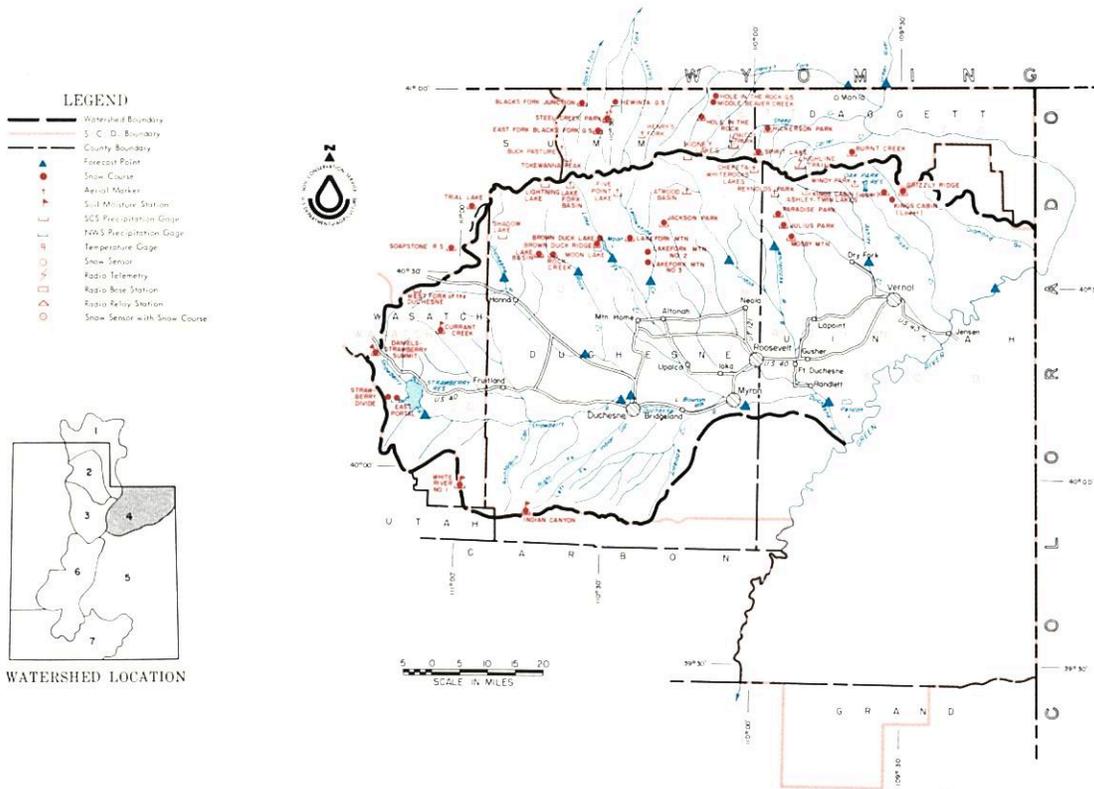
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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



MAY 1, 1972

The 1972 Water Supply Outlook for Uintah Basin and Daggett SCD's remains "near average".

Snow Cover ranges from 74% of the May 1 average on the lower Strawberry river to 136% on the Uintah-Whiterocks Rivers. Duchesne River above Tabiona has 92% of the average May 1 snow cover and Lakefork 83% of average. Ashley Creek is 125% of average; the Blackfork and Smith's Fork 132% of the May 1 average. Sheep Creek courses were 88% of the May 1 average. The aerial snow depth markers were flown cooperatively by the State Wildlife Resources Division on April 27 and generally showed more snow than last year at this time except at Buck Pasture and Reynolds Park where estimated water contents were 2 to 3 inches less than last year on May 1.

Reservoir Storage is now 15,300 acre feet in Moon Lake which is better than last years 13,700 acre feet on May 1 but less than the average of 17,500 acre feet. Steinaker had 24,600 a.f. of useable storage on May 1. Last May 1 it had 25,300 acre feet. Starvation now has 127,100 acre feet and last year at this time had 130,800 acre feet in storage. Bottle Hollow now has 11,000 acre feet and is almost full. Flaming Gorge now has 2,728,000 acre feet or an increase of 742,000 acre feet since last May 1st.

Streamflow Forecasts now range from 94% (45,000 a.f.) for Whiterocks River to 135% (115,000 a.f.) for Duchesne at Tabiona for the May-July period. The Duchesne at Duchesne is forecast to flow 202,000 a.f. (130%) and 239,000 a.f. (115%) at Myton. Rock Creek is expected to produce 90,000 a.f. (108%) and Lakefork 60,000 a.f.- 95% below Moon Lake. Yellowstone is expected to produce 54,000 a.f. (96%) and the Uintah River 73,000 a.f. (97%) during the May-July period.

Strawberry River is forecast to produce 40,000 a.f. (100%) at Duchesne and Ashley Creek 50,000 a.f. (119%). Ashley Creek produced 49,000 a.f. last year during this same May-July period. Henry's Fork is forecast to produce 48,000 acre feet (125%) during the April-September period. Flaming Gorge Inflow is forecast at 143% (1,510,000 a.f.) of the April-July average for the 1953-67 period.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (13)	115	135	May-July		85
Duchesne at Duchesne (13)	202	130	May-July		155
Duchesne at Myton (16)	239	115	May-July		208
Duchesne at Randlett (16)	260	114	May-July		228
Strawberry at Duchesne	40	100	May-July		40
Rock Crk nr Mtn. Home	90	108	May-July		83
Lakefork below Moon Lake (14)	60	95	May-July		63
Yellowstone nr Altonah	54	96	May-July		56
Uinta nr Neola	73	97	May-July		75
Whiterocks nr Whiterocks	45	94	May-July		48
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Crk near Vernal	50	119	May-July	49	42
Henry's Fork at Linwood	48	125	Apr-Sept		38
Flaming Gorge Inflow (1)	1510	143	Apr-July	1905	1054

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ashley Creek</u>	Steinaker	33.3	24.6	25.3	- -
<u>Green River</u>	Flaming Gorge	3749.0	2728.0	1986.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	15.3	13.7	17.5
<u>Strawberry</u>	Starvation	165.3	127.1	130.8	- -
<u>Uintah</u>	Bottle Hollow	11.3	11.0	- -	- -
(1) - Observed flow corrected for change in storage and diversions b - Average for all past record within 15-year period, but less than 15 years x - Adjacent drainage * - Partly estimated					

## UINTAH BASIN &amp; DAGGETT SCD's

## SNOW

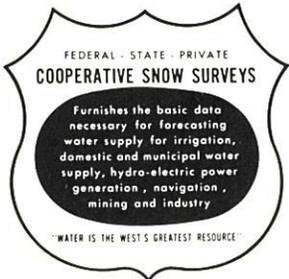
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Currant Creek	7800	4/28	0	0.0	0.0	1.3b
Daniels Strawberry Smt.	8000	4/24	0	0.0	4.6	6.5
Grizzly Ridge	8500	4/27	9	3.2	8.1	- -
Indian Canyon	9100	4/26	25	9.6	6.2	7.8*
Julius Park	9800	4/19	51	16.9	12.6	11.8b
King's Cabin (lower)	8600	4/20	17	4.8	4.2	4.7
King's Cabin (upper)	8730	4/20	27	9.7	8.5	7.0
Lakefork Mountain	10200	4/27	35	11.4	10.8	10.8
Lakefork Mountain #2	8900	4/27	0	0.0	2.1	3.0b
Lakefork Mountain #3	8100	4/27	0	0.0	0.2	0.7b
Mosby Mountain	9500	4/19	30	9.7	8.6	9.0b
Paradise Park	10100	4/19	53	17.3	13.1	11.6b
Rock Creek	7900	4/24	0	0.0	0.0	0.8b
Soapstone R.S. x	7800	4/29	4	1.5	4.2	5.7
Trial Lake x	9800	4/29	85	34.8	33.4	27.3
White River #1	8550	4/28	16	6.4	10.7	7.4*
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	4/20	34	11.5	6.3	7.9b
Burnt Creek	7900	4/28	0	0.0	3.4	- -
E. Fk. Black's Fork G.S.	9300	4/20	41	13.1	7.9	9.7b
Hewinta Guard Station	9500	4/20	40	11.6	8.5	9.9b
Hickerson Park	9100	4/20	16	3.4	4.0	- -
Spirit Lake	10300	4/20	62	18.1	12.5	14.4b
Steel Creek Park	9900	4/20	77	23.6	20.2	17.7b
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	4/27	67	21.4	19.2	- -
Atwood Basin A	10250	4/27	33	12.5	11.4	- -
Buck Pasture A	9700	4/27	60	21.0	24.6	- -
Chepeta-Whiterocks Lakes A	10300	4/27	57	18.8	15.2	- -
Five Point Lake A	11000	4/27	62	21.0	18.1	- -
Henry's Fork A	10000	4/27	64	19.2	14.5	- -
Lakefork Basin A	11100	4/27	75	25.0	- -	- -
Reynolds Park A	10400	4/27	58	19.1	21.1	- -
Windy Park A	9400	4/27	36	12.0	11.3	- -

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Currant Creek	7800	4/28	2.44	2.26b	19.85	14.61b	136
Daniels-Strawberry Smt. x	8000	4/24	2.64	2.72*	22.33	19.83*	113
East Portal Ridge x	7800	4/28	2.00	3.63	20.61	20.53*	100
Grizzly Ridge	8500	4/27	3.03	- -	18.71	- -	- -
Indian Canyon	9100	4/26	1.93	2.35b	17.75	15.41b	115
Julius Park	9800	4/19	2.45	2.99b	19.00	14.23*	134
King's Cabin (upper)	8730	4/20	2.40	2.84	16.82	12.88*	131
Lakefork Mountain	10200	4/27	2.86	2.55*	19.18	13.64*	141
Moon Lake	8150	5/1	1.06	1.47	10.86	9.01	120
Mosby Mountain	9500	4/19	1.75	- -	16.33	- -	- -
Paradise Park	10100	4/19	2.50	2.98b	20.48	15.52*	132
Rock Creek	7900	4/24	2.54	2.14b	16.97	12.56b	135
Soapstone R.S. x	7800	4/29	3.25	2.94*	22.76	17.61*	129
Trial Lake x	9800	4/29	5.51	3.87	36.28	25.05*	145
White River #1 x	8550	4/28	2.45	2.61b	16.55	15.59*	106
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	4/20	3.68	2.75b	19.01	13.08b	145
Burnt Creek	7900	4/28	3.96	- -	15.66	- -	- -
East Fk. Black's Fk. G.S.	9300	4/20	3.92	2.95b	19.41	14.01b	138
Hewinta Guard Station	9500	4/20	4.02	3.18b	20.90	14.95b	140
Hickerson Park	9100	4/20	3.45	- -	13.56	- -	- -
Spirit Lake	10300	4/20	5.08	4.35b	22.85	18.33*	125
Steel Creek Park	9900	5/1	4.98	- -	22.68	- -	- -

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MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Crk. nr Scofield	7.2	79	May-July	8.2	9.1
Price nr Hiener (15)	30	70	May-July		43
Scofield Reservoir Inflow (15)	20	74	May-July		27
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	29	71	May-July		41
Ferron Crk nr Ferron	16.0	52	May-July	30	31
Huntington Crk nr Huntington	28	74	May-July	39	38
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	7.0	48	May-July	14.1	14.5
<u>FREMONT RIVER</u>					
Seven Mile Crk. nr Fish Lake	3.0	48	Apr-July		6.2b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	1884	67	Apr-July		2802
Green at Green River, Utah	2964	115	Apr-July		2574
Navajo Reservoir Inflow	360	58	Apr-July	305	619
San Juan nr Bluff, Utah	472	53	Apr-July		890

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Price River</u>	Scofield	65.8	49.0	52.7	26.4
<u>San Rafael</u>	Joe's Valley	54.6	42.7	42.7	- -
	Mill Site	16.7	6.8	- -	- -
	Huntington North	3.9	2.8	- -	- -
San Juan	Navajo	1696.4	846.8	868.7	- -

(1) - Observed flow corrected for change in storage and diversions  
 b - Average for all past record within 15-yr period, but less than 15 years  
 x - Adjacent drainage  
 \* - Partly estimated

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN COUNTIES

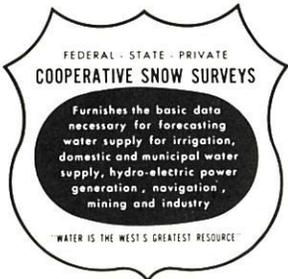
**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	4/28	0	0.0	0.0	3.9b
Gooseberry Reservoir	8700	4/25	20	3.6	14.1	16.1b
Indian Canyon x	9100	4/26	25	9.6	6.2	7.8*
Jones Ranch	7600	4/28	0	0.0	0.0	4.9b
Mammoth R.S. Ctwd. Crk. x	8800	4/25	20	9.2	15.6	16.1b
Mud Creek #2	8300	4/28	0	0.0	3.8	7.4b
White River #1	8550	4/28	16	6.4	10.7	7.4*
White River #2	7600	4/28	0	0.0	0.0	1.0b
White River #3	7400	4/28	0	0.0	0.0	0.2b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	4/25	21	7.9	15.3	15.6b
Gooseberry Reservoir x	8700	4/25	20	8.6	14.1	16.1b
Orange Olsen	7300	4/27	0	0.0	- -	- -
Red Pine Ridge	9400	4/27	17	6.8	11.8	14.1b
Rush Pond	9800	4/25	14	4.6	10.2	11.1b
Seely Creek R.S.	10000	4/28	26	10.8	13.2	15.6b
Stuart R.S.	7950	4/27	0	0.0	0.0	1.0b
Switchback	8600	4/27	13	5.9	8.4	11.9b
Upper Joe's Valley	8900	4/27	0	0.0	0.8	4.9b
Wrigley Creek	9000	4/25	2	0.5	4.1	6.5b
<u>FREMONT RIVER</u>						
Black's Flat-U.M. Creek	9250	4/24	5	2.0	7.6	7.7b
Farnsworth Lake x	9900	4/27	45	16.2	23.6	18.8b
Fish Lake	8700	4/24	0	0.0	0.0	2.0b
Johnson Valley	8850	5/1	0	0.0	0.1	2.2b
Mt. Baldy R.S. x	9500	4/24	39	17.0	25.8	22.9
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	4/27	0	0.0	0.0	5.2b
Camp Jackson	8600	4/27	0	0.0	0.0	2.9b
LaSal Mountain	8800	4/28	0	0.0	3.0	1.5b
LaSal Mountain (upper)	9400	4/28	5	1.9	9.3	10.4b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	4/27	6.40	2.97b	22.18	17.29*	128
Gooseberry Reservoir	8700	4/25	2.24	3.36*	18.34	20.63*	89
Indian Canyon	9100	4/26	1.93	2.35b	17.75	15.41b	115
Mammoth R.S. #2	8600	4/25	2.27	3.52b	18.61	21.75*	86
Mud Creek	8300	4/28	2.80	2.52*	14.60	16.82*	87
White River #1	8550	4/28	2.45	2.61b	16.55	15.59*	106
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	4/25	1.75	3.22b	18.60	19.37*	54
G.B.R.C. Meadows x	10000	4/28	4.35	4.06	24.35	25.09	97
Gooseberry Reservoir x	8700	4/25	2.24	3.36*	18.34	20.63*	89
Orange Olsen	7300	4/27	0.95	- -	10.30	- -	- -
Red Pine Ridge	9400	4/27	3.20	3.64b	24.05	22.62*	106
Stuart R.S.	7950	4/27	2.10	2.15b	16.15	13.36*	113
<u>FREMONT RIVER</u>							
Black's Flat-U.M. Creek	9250	4/24	1.58	2.54b	13.40	14.34*	93
Farnsworth Lake x	9900	4/27	3.77	4.21*	20.89	22.36b	93
Fish Lake	8700	4/24	1.05	1.93b	9.56	10.04b	95
Widtsoe-Escalante #3 x	9500	5/1	1.99	2.75*	14.19	15.19b	93
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	4/27	1.58	2.94b	13.40	19.86b	67
Camp Jackson	8600	4/27	0.20	2.28*	17.13	16.59*	103
LaSal Mountain (upper	9400	4/28	1.30	2.30b	15.65	16.86*	93

UNITED STATES DEPARTMENT OF AGRICULTURE  
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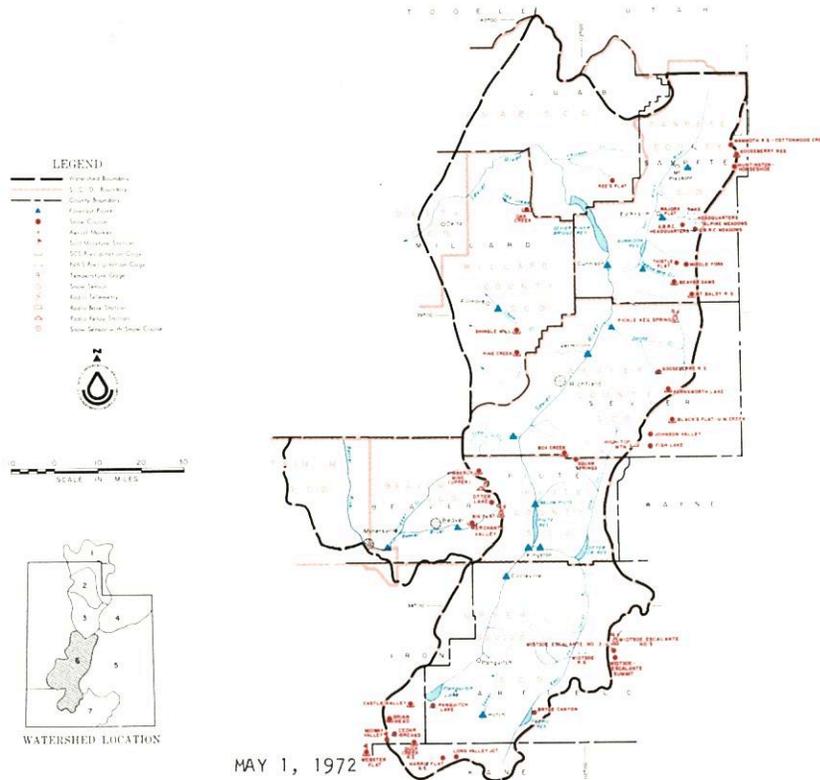
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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



The 1972 Water Supply Outlook for the Sevier and Beaver Basins is now "below average" to "poor" in areas without adequate reservoir storage. Storage water is expected to make an average to near average supply where available.

Snow Cover now ranges from 68% of the May 1 average on Salina Creek to 18% of average on the East Fork of the Sevier. Kimberly Mine snow course by itself was only 9% of the May 1 average and most areas below that elevation (9300 ft.) were bare. The Sevier above Hatch had 54% of average snow cover on May 1 and the Beaver River had 60% of average. San Pitch tributaries snow cover ranges from 55% on Pleasant Creek to 68% on Ephraim Creek.

Reservoir Storage is above average. The 3 main Sevier River reservoirs now total 270,600 acre feet in storage or 168% of the May 1 average. This is about 20% less than last year at this time. Gunnison Reservoir had 14,400 acre feet in storage on May 1 and Minersville had 16,300 acre feet which is 144% of the May 1 average but about 2600 acre feet less than last year at this time.

Streamflow Forecasts now vary from 35% (1500 a.f.) of average for the Inflow to Rocky Fork Reservoir to 68% of average (9000 a.f.) on Ephraim Creek. The Upper Sevier River forecasts range from 15,300 a.f. (57%) at Hatch, 9000 a.f. (45%) at Circleville, 4000 a.f. (37%) at Kingston for the May-July period. The Sevier below Piute Dam is expected to produce 6500 a.f. (45%) including 3800 a.f. (59%) from the East Fork. Clear Creek is forecast to flow 6300 a.f. (60%) and Vermillion Dam to Gunnison Inflow is expected to be about 60% of the May-June average flow and Salina Creek is expected to produce 3000 a.f. (60%) during the same period. The Sevier at Gunnison is expected to produce 10,000 a.f. (46%) during May-July period.

Chalk Creek near Fillmore is forecast to flow 3100 a.f. (30%) during the May-July period and the Beaver River is expected to produce 7500 a.f. (45%) during the May-July period.

Streams in this area are expected to fall to minimum flows much earlier than usual this season and water supply shortages can be expected on streams without reservoir storage by mid June.

Report prepared by  
 BOB L. WHALEY  
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 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

U.S. GOVERNMENT PRINTING OFFICE: 1971 MF-0-32027-6-L

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	3.1	30	May-July		10.4
Clear Crk nr Sevier (abv. Div.)	6.3	60	May-July		10.5b
East Fork Sevier nr Kingston (9)	3.8	59	May-July		6.4
Antimony Crk nr Antimony	3.5	60	May-July		5.9b
Inflow					
Kingston to Vermillion Dam	16.2	54	Apr-June		30 b
Vermillion Dam to Gunnison	15.6	60	May-June		26
Salina Crk at Salina (10)	3.0	60	May-June		5.0*
Sevier nr Circleville	9.0	45	May-July		20
Sevier nr Gunnison	10.0	46	May-July		21.9
Sevier at Hatch	15.3	57	May-July		27
Sevier nr Kingston	4.0	37	May-July		10.7
Sevier below Piute Dam (11)	6.5	45	May-July		14.5
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	9.0	68	May-July		13.2b
Pleasant Crk. nr Mt. Pleasant	4.6	67	May-July		6.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	7.5	45	May-July		16.5
Rockyford Reservoir Inflow (12)	1.5	35	May-June		4.3

**FORECAST DATE of LOW FLOW VALUES**

FORECAST POINT	Low Flow Value Second/ Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above div.)	5	July 1	July 19
Salina Creek at Salina	25	May 26	June 10
Sevier at Circleville(Circle Valley)	90	May 26	June 24
Sevier at Hatch (upper)	100	June 1	July 10

**PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)**

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	40	58	Apr-Sept
Circle Valley	50	66	Apr-Sept
Panguitch Valley	70	84	Apr-Sept
Sevier Valley	30	40	Apr-Sept

**OTHER SPECIAL FORECASTS**

Below Vermillion - Very little flow above 360 second feet is now expected this year.

(1) Observed flow corrected for change in storage and diversions

b Average for all past record within 15-yr period, but less than 15 years.

\* Partly estimated

x Adjacent drainage

SEVIER RIVER BASIN including BEAVER RIVER

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER</u> (South of Richfield, Utah)						
Big Flat x	10290	4/24	37	13.7	17.1	17.8
Box Creek	9800	4/24	5	2.2	8.1	10.2b
Castle Valley	9700	4/28	0	0.0	1.5	6.7b
Duck Creek R.S.	8700	4/28	0	0.0	0.0	4.6
Fish Lake	8700	4/24	0	0.0	0.0	2.0b
Harris Flat R.S.	7700	4/28	0	0.0	0.0	0.7
Kimberly Mine	9300	5/1	3	1.2	11.8	12.8b
Long Valley Jct.	7500	4/28	0	0.0	0.0	0.1b
Midway Valley	9800	4/25	36	17.2	14.6	19.7b
Panguitch Lake	8200	4/28	0	0.0	0.0	0.1
Squaw Springs	9300	5/1	0	0.0	0.0	2.6b
Widtsoe-Escalante	9500	5/1	0	0.0	0.0	2.6
Widtsoe-Escalante #2	9500	5/1	2	0.5	2.6	5.3
Widtsoe-Escalante #3	9500	5/1	7	2.4	4.6	7.4b
<u>LOWER SEVIER RIVER</u> (including San Pitch)						
Beaver Dams	8000	4/24	0	0.0	2.5	5.8
Farnsworth Lake	9900	4/27	45	16.2	23.6	18.8
G.B.R.C. Headquarters	8700	4/28	19	7.8	13.1	13.5
G.B.R.C. Meadows	10000	4/28	45	19.2	27.7	26.3
Gooseberry R.S.	8400	4/23	4	1.2	9.4	6.9
Gooseberry Reservoir x	8700	4/25	20	8.6	14.1	16.1b
Mammoth R.S. - Ctnwd. Crk	8800	4/25	20	9.2	15.6	16.1b
Mt. Baldy R.S.	9500	4/24	39	17.0	25.8	22.9
Oak Creek	7760	4/28	0	0.0	5.4	- -
Pickle Keg Springs	9600	4/21	11	4.4	11.0	- -
Pine Creek	8700	4/26	8	1.7	9.0	11.0b
Shingle Mill	6200	4/26	0	0.0	0.0	0.8b
Big Flat	10290	4/24	37	13.7	17.1	17.8
Merchant Valley	8200	4/24	0	0.0	1.5	2.8
Otter Lake	9300	4/24	15	6.1	11.1	12.2

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Sevier River</u>	Gunnison	18.2	14.4	15.7	- -
	Otter Creek	52.5	39.7	51.7	31.4
	Piute	71.8	58.2	52.8	35.0
	Sevier Bridge	236.0	172.7	230.8	94.6
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	16.3	18.9	11.3

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Beaver Dams	8000	4/24	2.30	2.72b	14.90	17.04*	87
Big Flat x	10290	4/24	1.25	3.30*	12.78	18.82*	68
Box Creek	9800	4/24	1.89	2.86b	13.94	16.06b	87
Castle Valley	9700	4/28	2.29	3.60b	14.22	18.09b	79
Duck Creek R.S.	8700	4/28	2.18	3.10	18.61	19.75*	94
Farnsworth Lake	9900	4/27	3.77	4.21*	20.89	22.36b	93
Fish Lake	8700	4/24	1.05	1.93b	9.56	10.04b	95
G.B.R.C. Headquarters	8700	4/28	4.35	3.78	19.62	21.35	92
G.B.R.C. Meadows	10000	4/28	4.35	4.06	24.35	25.09	97
G.B.R.C. Oaks	7655	4/28	3.27	2.58	13.57	14.63	93
Gooseberry R.S.	7800	4/27	3.20	2.50*	15.33	15.09*	102
Gooseberry Reservoir x	8700	4/25	2.24	3.36*	18.34	20.63*	89
Kimberly Mine	9300	5/1	2.95	4.21*	15.48	21.33*	72
Mammoth R.S. #2 x	8600	4/25	2.27	3.52b	18.61	21.75*	86
Mt. Baldy	9500	4/24	2.20	3.49b	17.65	19.34*	91
Oak Creek	7760	4/28	2.57	- -	15.95	- -	- -
Panguitch Lake	8200	4/28	1.08	1.32b	10.57	8.12b	130
Pickle Keg Springs	9600	No	Data	- -	- -	- -	- -
Pine Creek	8700	4/26	5.66	4.8b	25.72	26.54b	97
Shingle Mill	6200	4/26	4.36	2.79b	18.11	16.54*	109
Webster Flat x	9200	4/25	2.60	4.05	20.08	22.00*	91
Widtsoe-Escalante #3	9500	5/1	1.99	2.75*	14.19	15.19b	93
Widtsoe R.S.	7600	5/1	0.49	0.82	5.80	5.37	108
Midway Valley	9800	4/25	2.50	- -	19.46	- -	- -
Beaver Canyon P.H.	7275	5/1	1.22	2.10	8.52	- -	- -
Big Flat	10290	4/24	1.25	3.30*	12.78	18.82*	68
Merchant's Valley	8650	4/24	1.40	- -	10.97	- -	- -

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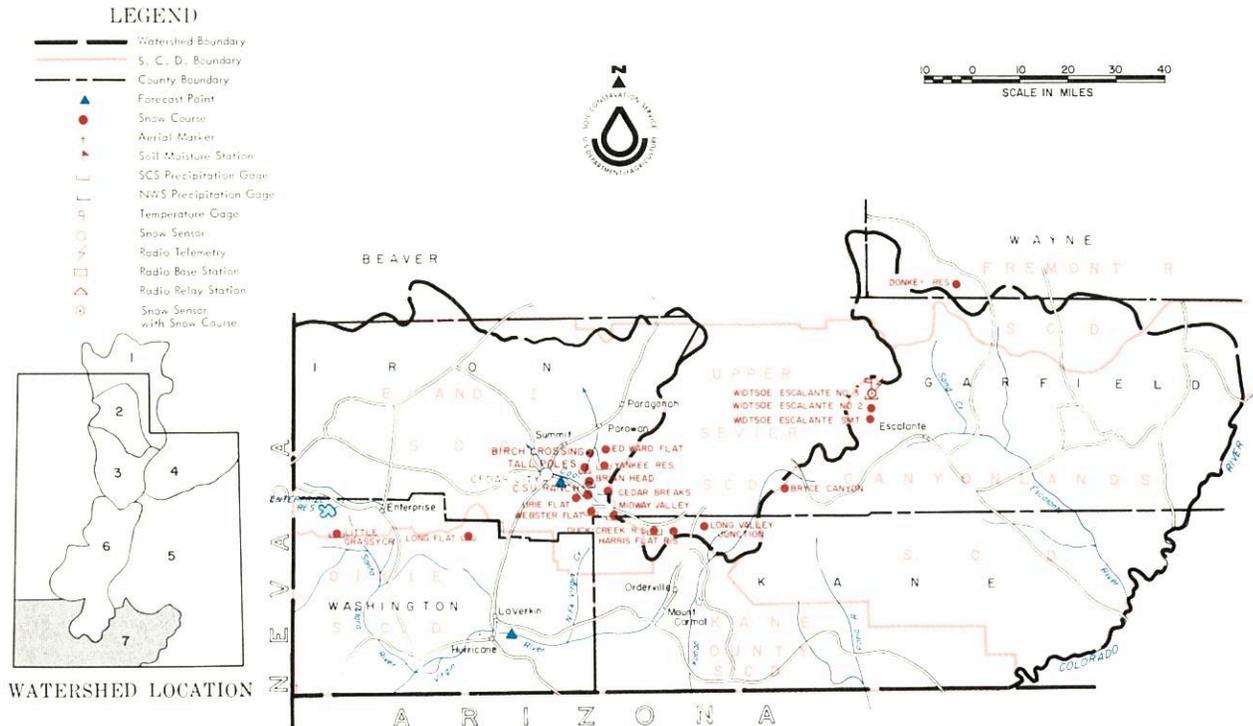
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# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

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



MAY 1, 1972

The Water Supply Outlook remains "poor" for Southwestern Utah.

Snow Cover is only 50 to 60% of the May 1 average. Medium and lower elevations are bare. April precipitation was below average at all stations except Yankee Reservoir which measured 108% of the 15 year (1953-67) average for the month.

Reservoir Storage in Lake Powell was 13,224,000 a.f. on May 1. Last year it held 12,511,000 acre feet on May 1.

Streamflow Forecasts now range from 42% of average on the Santa Clara for the May-June period to 86% for the Inflow to Lake Powell during the April-July period. Virgin River is forecast to flow 10,000 acre feet (45%) during the May-June period and Coal Creek is expected to produce only 5,000 acre feet (46%) during the May-July period.

Water supply shortages are expected in this area by mid-summer.

WATER SUPPLY OUTLOOK, MAY 1972, MP-6-202073-7-L

MAY 1, 1972

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	10.0	45	May-June		22
Santa Clara nr Pine Valley	1.0	42	May-June		2.4
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	5.0	46	May-July		10.9
<u>UPPER COLORADO BASIN</u>					
Lake Powell Inflow	5610	86	Apr-July	8378	6527

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Colorado</u>	Lake Powell	25002.0	13,224.0	12511.0	- -

b - Average for all past record within 15 year period, but less than 15 years.  
 x - Adjacent Drainage  
 \* - Partly estimated

EAST GARFIELD, KANE, WASHINGTON & IRON

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	5/1	0	0.0	0.0	2.6
Widtsoe-Escalante #2	9500	5/1	2	0.5	2.6	5.3
Widtsoe-Escalante #3	9500	5/1	7	2.4	4.6	7.4b
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	4/25	0	0.0	0.0	- -
Duck Creek R.S.	8700	4/28	0	0.0	0.0	4.6
Harris Flat x	7000	4/28	0	0.0	0.0	0.7
Midway Valley x	9800	4/25	36	17.2	14.6	19.7b
Urie Flat	8450	4/25	0	0.0	0.0	1.3b
Webster Flat	9200	4/25	0	0.0	3.8	8.9
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	4/25	0	0.0	0.0	- -
Brian Head	10000	4/25	36	15.5	17.1	- -
Ed Ward Flat	8300	4/25	0	0.0	0.0	1.7b
Tall Poles	8800	4/25	15	5.8	10.2	- -
Yankee Reservoir	8700	4/25	0	0.0	2.2	5.6b
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	4/28	0	0.0	0.0	0.0b
Long Flat	8000	4/26	0	0.0	0.0	0.4b

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	5/1	1.99	2.75*	14.19	15.19b	93
<u>VIRGIN RIVER</u>							
Duck Creek R.S.	8700	4/28	2.18	3.10	18.61	19.75*	94
Webster Flat	9200	4/25	2.60	4.05	20.08	22.00*	91
<u>COAL CREEK</u>							
Webster Flat	9200	4/25	2.60	4.05	20.08	22.00*	91
<u>PAROWAN CREEK</u>							
Tall Poles	8800	4/25	3.15	- -	17.19	- -	- -
Yankee Reservoir	8700	4/25	2.86	2.66b	13.52	13.99b	97
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	4/28	1.45	2.06b	13.60	13.74*	99
Long Flat	8000	4/26	1.70	2.29b	11.84	13.85b	85

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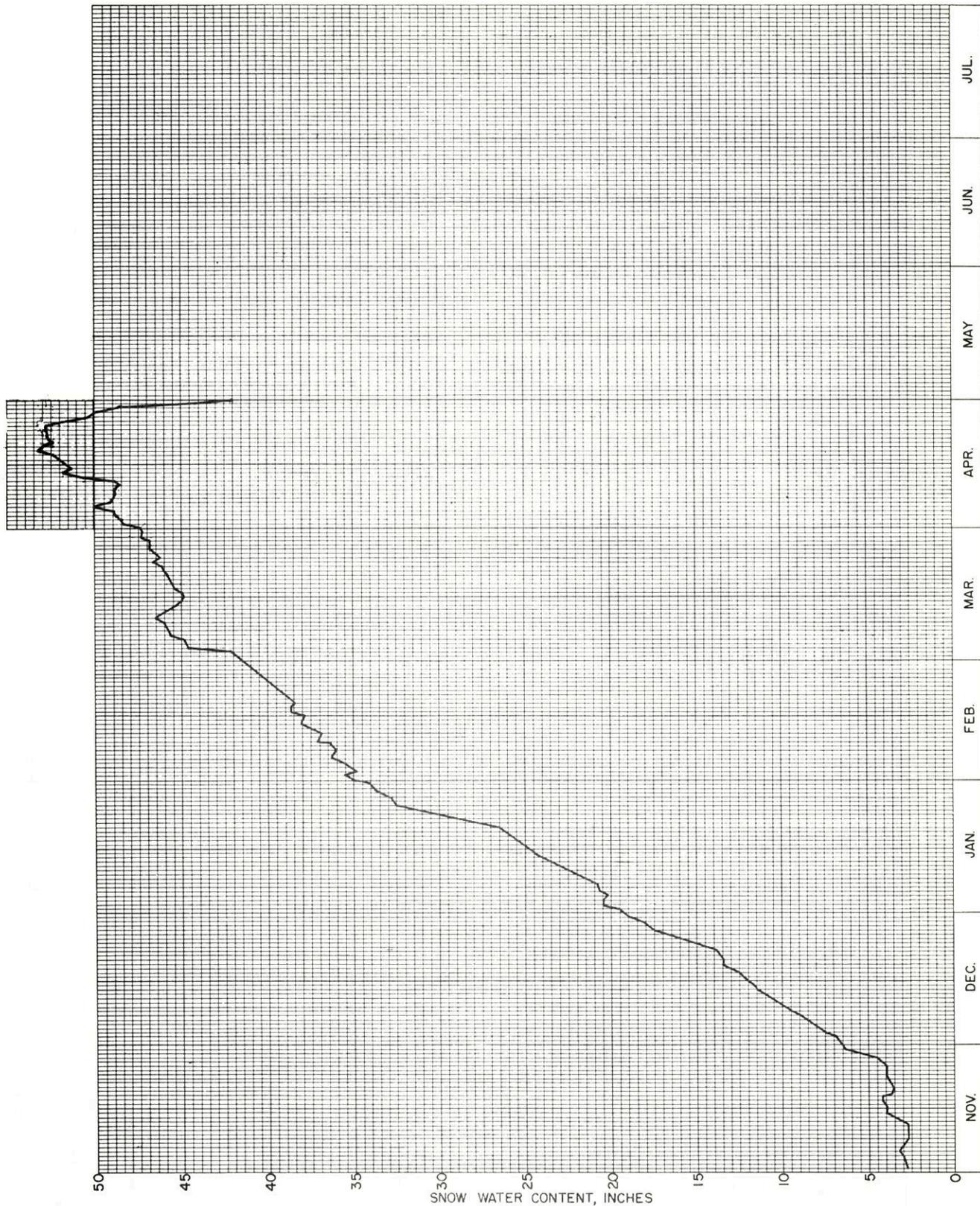
HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR \_\_\_\_\_

No. 11H21

Elev. 8260

Drainage: Lost Creek



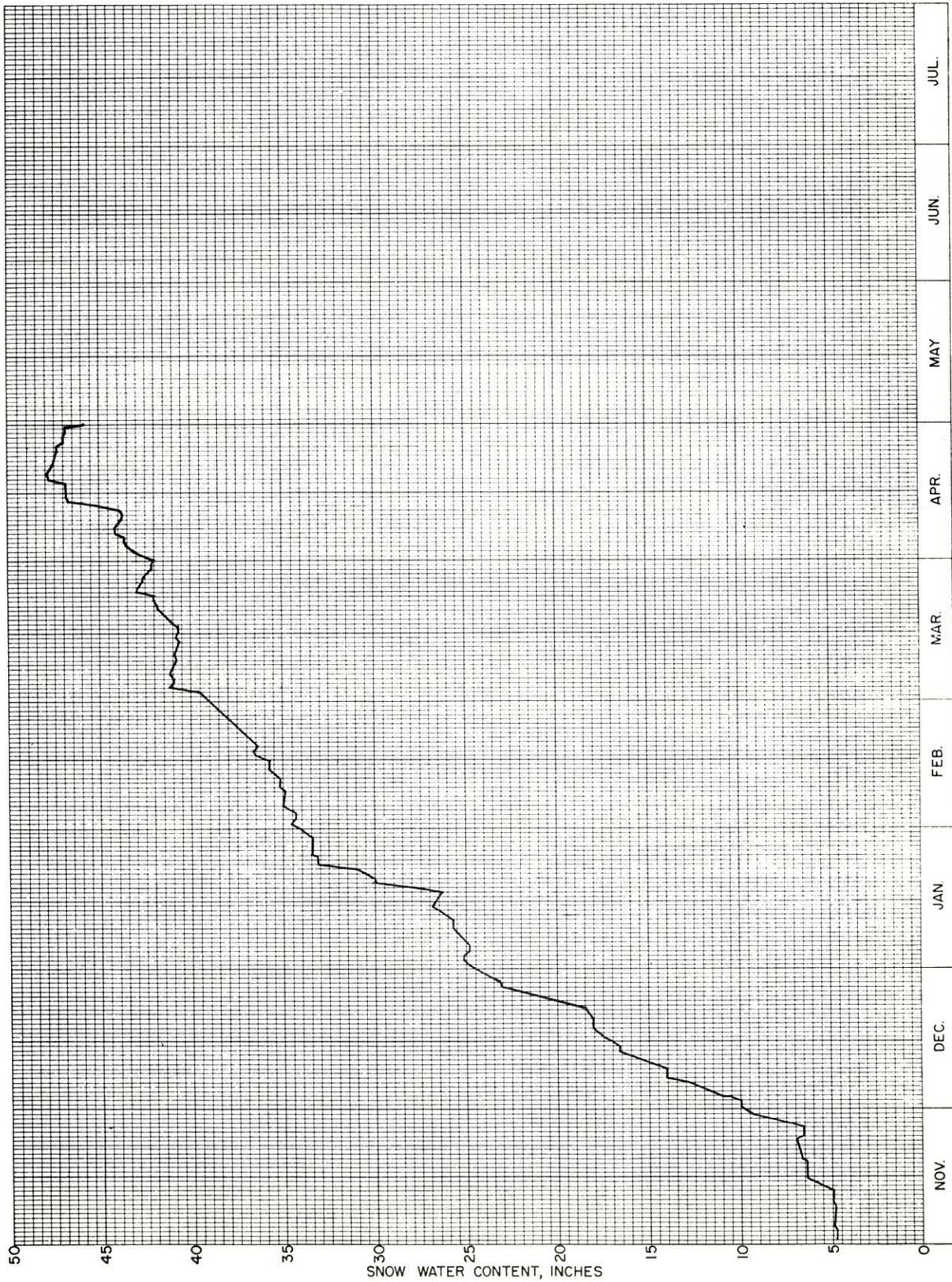
FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J11

Elev. 8000

Drainage: Farmington Creek



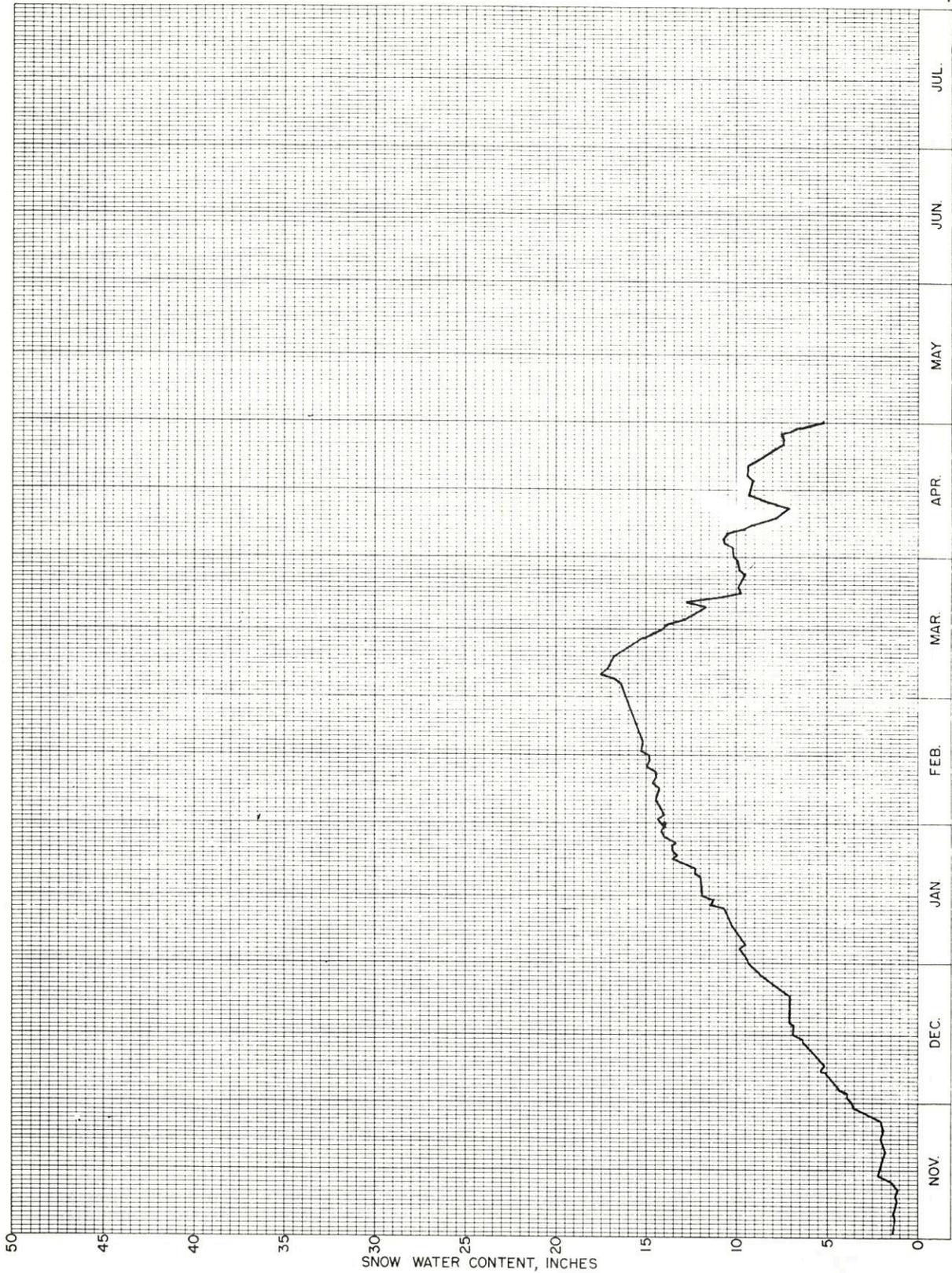
PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J15

Elev. 7500

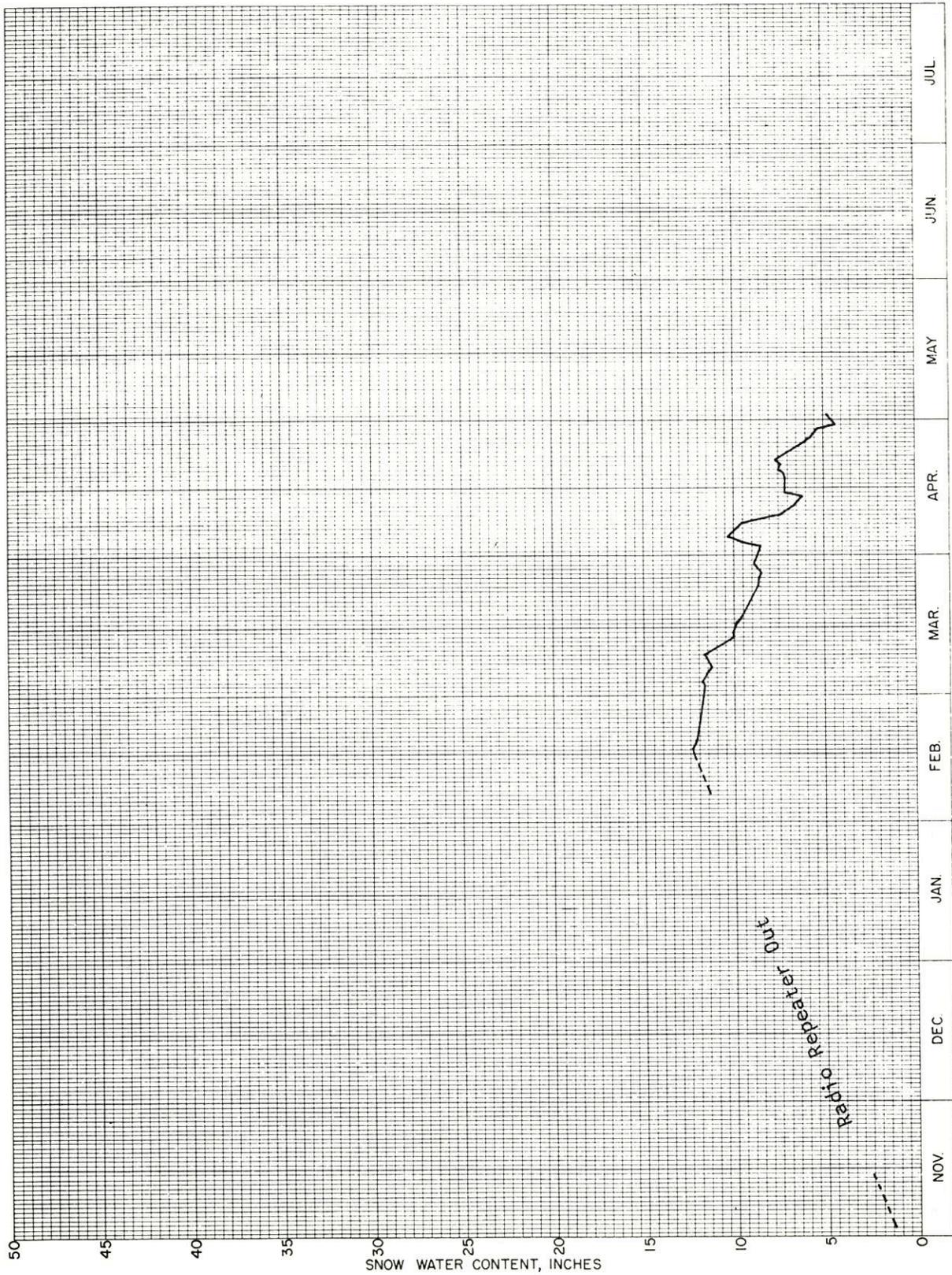
Drainage: East Canyon Crk. - Weber River



PICKLE KEG SPRINGS

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11K39 Elev. 9600 Drainage: Salina Creek



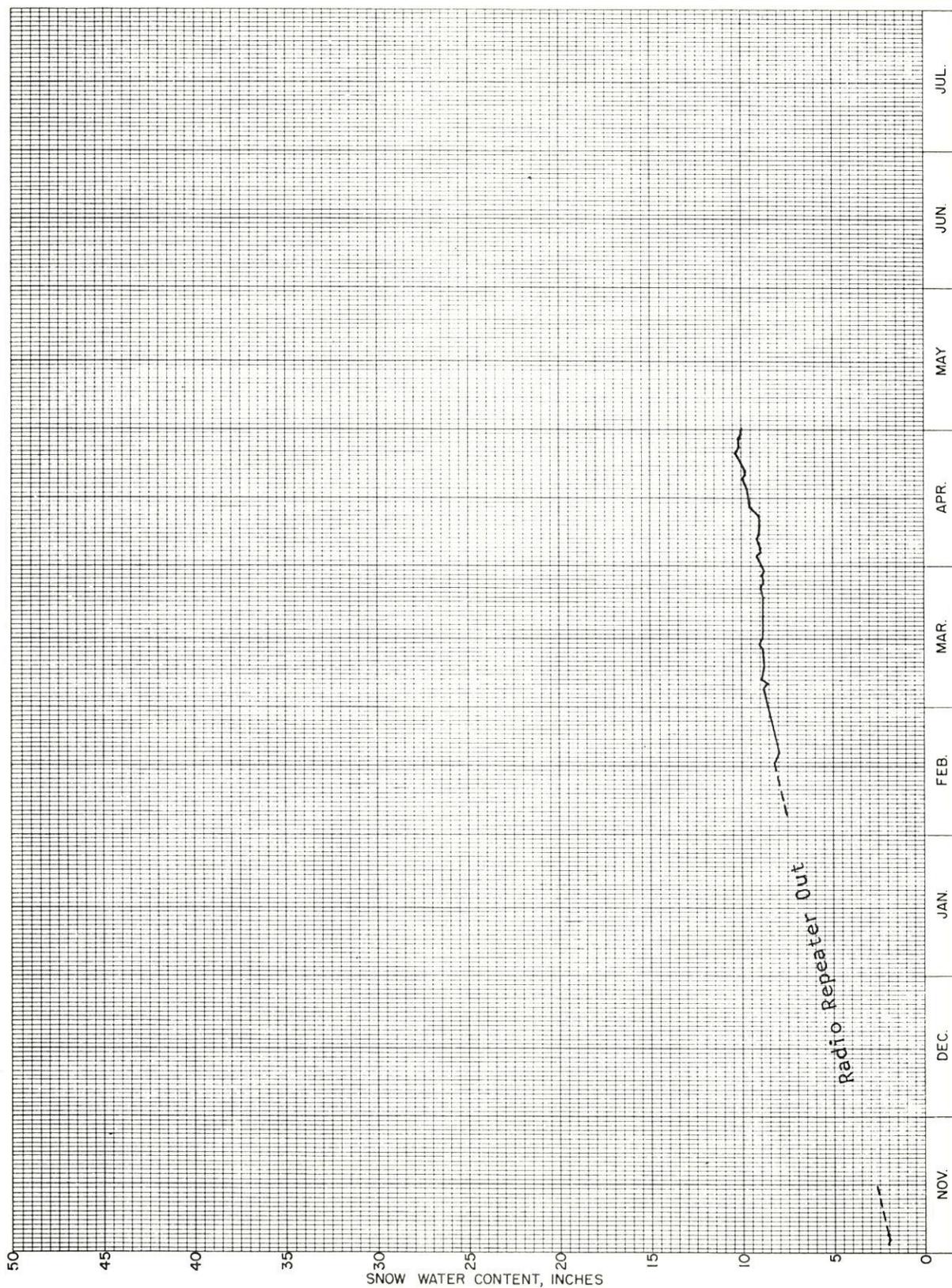
BIG FLAT

SNOW PILLOW DATA  
WATER YEAR 1972

No. 12L7

Elev. 10,000

Drainage: Beaver River



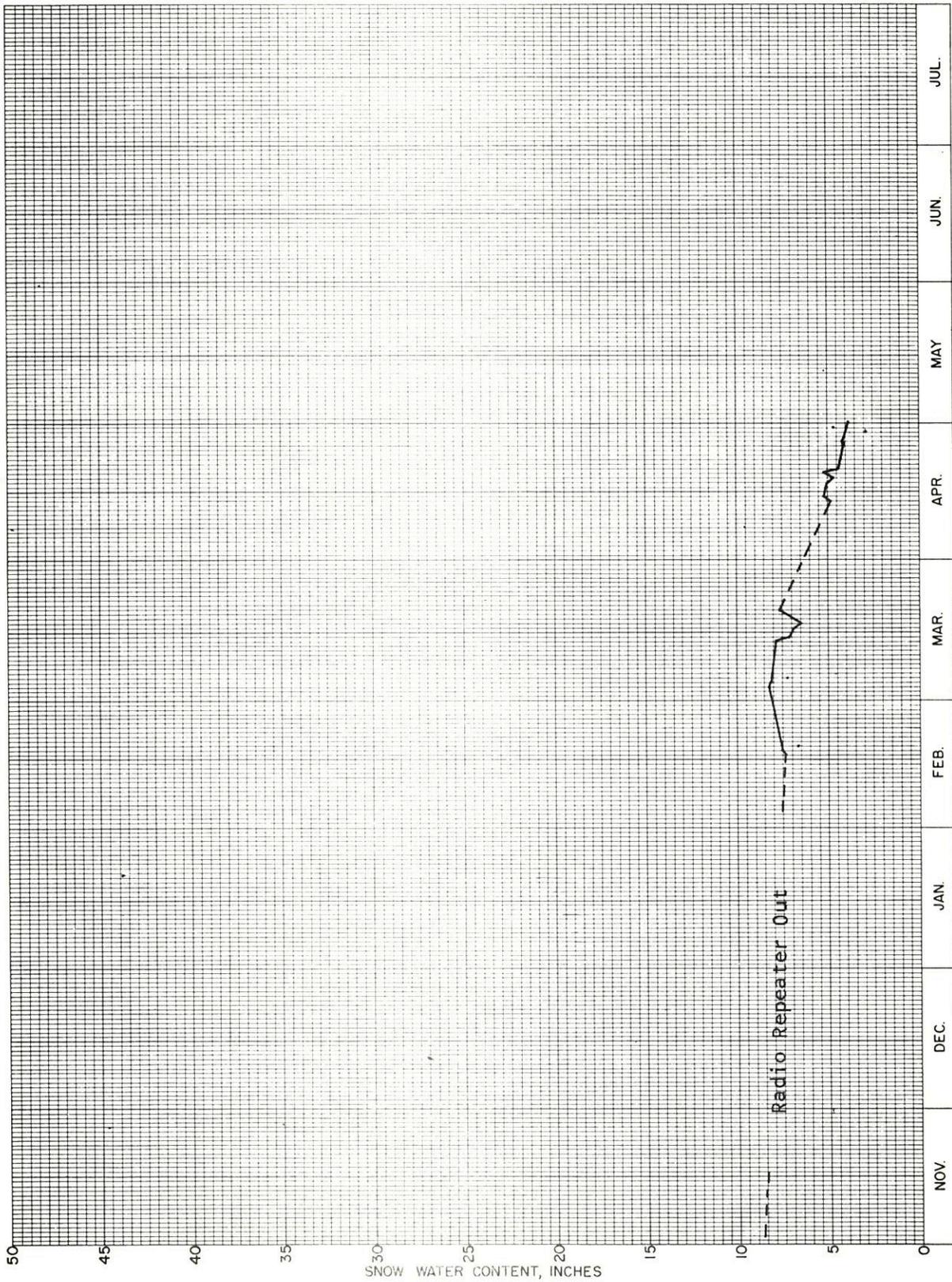
WIDTSOE-ESCALANTE #3

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11M3

Elev. 9500

Drainage: East Fork-Sevier River



**FEDERAL-STATE-PRIVATE  
COOPERATIVE SNOW SURVEYS**



**WATER SUPPLY OUTLOOK  
FOR  
UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**JUNE 1, 1972**





# WATER SUPPLY OUTLOOK

as of  
JUNE 1, 1972

\* \* \* \* \*  
\* The 1972 Water Supply Outlook varies from "very poor" in  
\* southern Utah to "excellent" in northern Utah. May pre-  
\* cipitation varied from 0 to about half average and June  
\* 1st snow measurements indicate snow remaining at only  
\* the highest areas of northern Utah. Reservoir storage  
\* is still 136% of average.  
\* \* \* \* \*

Snow cover remained at only the higher elevations of the northern half of the State. The upper elevations of the Uintah mountains still had above average snow cover on June 1 and the higher elevation snow courses on the Smith's Fork in Wyoming indicated heavier than usual water contents. Other watersheds in Utah experienced heavier snow melt than usual in May but much of the melt did not produce as much streamflow as expected due to the extremely dry weather causing heavier than average evaporation losses.

Reservoir storage in 14 of Utah's major reservoirs, excluding Colorado River facilities, was 136% of the June 1 average. Otter Creek had 37,300 acre feet (124%) and Sevier Bridge 128,200 acre feet (204%) and Gunnison had 10,400 acre feet on June 1st for Sevier River water users. Utah Lake had 795,700 acre feet and was about 0.9 foot below Compromise level. Strawberry held 221,700 acre feet (150%) on June 1.

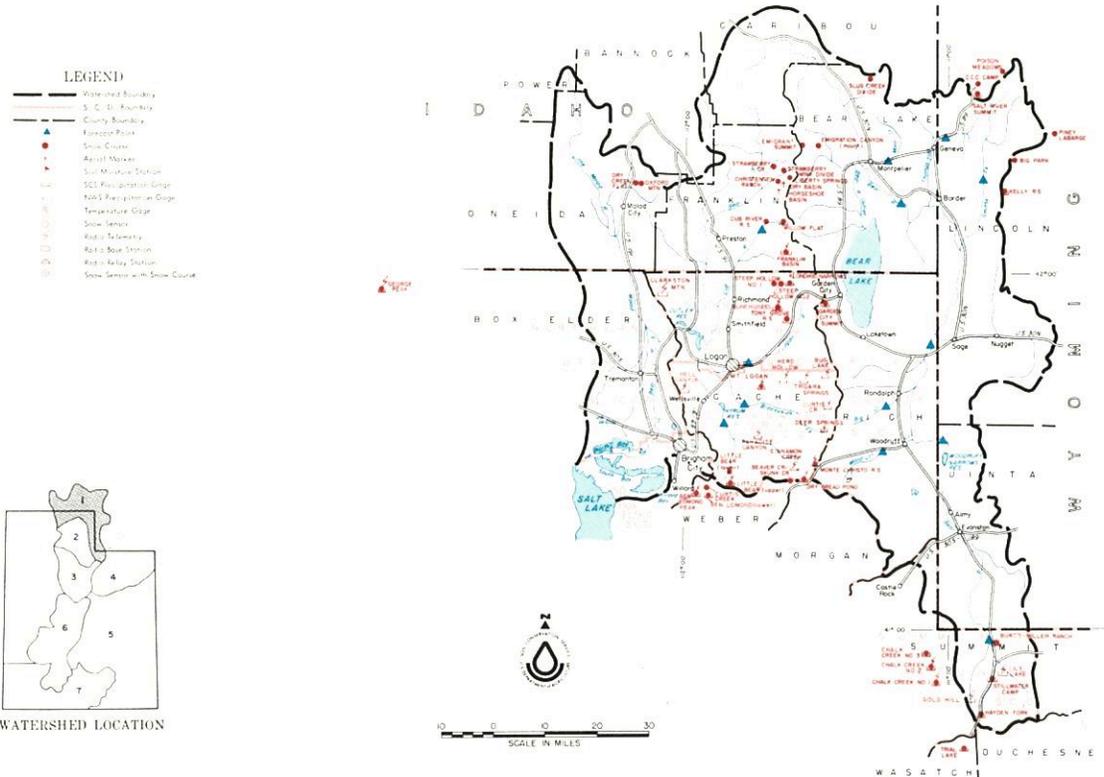
Streamflow forecasts issued May 1 have been reduced 5 to 20% as a result of the lack of precipitation in May. Streamflow is expected to range from about 30% of average in southern Utah to about 200% in northern Utah. Streamflow peaks were reached 2 to 3 weeks earlier than expected this year. Lower elevation range feed conditions are very poor in the southern half of the State. June rains are desperately needed to improve conditions enough to allow livestock to remain on some lower elevation range areas.



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

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



JUNE 1, 1972

The Water Supply Outlook for the Bear River is "excellent".

Snow cover is less than last year on June 1, as a result of warm, dry weather in May causing earlier melt than usual. Many higher elevation snow courses still had 5 to 40 inches of snow water to melt. A special survey was taken by helicopter, May 31, on the Smith's Fork and Thomas Fork which verified 8 to 40 inches of snow water remaining on those watersheds at high elevations. Only elevations above about 8,000 feet still contained above average snow water content on the Logan River.

Reservoir storage is still above average in Bear Lake (130%) with 1,301,400 acre feet in storage. Woodruff Narrows and Porcupine are full and Hyrum had 13,300 acre feet as of June 1.

Less than half average May precipitation has caused reductions in streamflow forecasts for the May-July period. Forecasts were reduced 8 to 18% but still range from 127% of average for the Bear at Utah-Wyoming Line to about 226% at Randolph and 174% at Harer, Idaho. Logan river is now expected to produce 164% of the May-July average and was nearing the mean daily peak of about 1400 cfs on June 2 or 3rd.

UTAH STATE DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WATER RIGHTS, 1972, NR-9-2007-1-L



BEAR RIVER BASIN

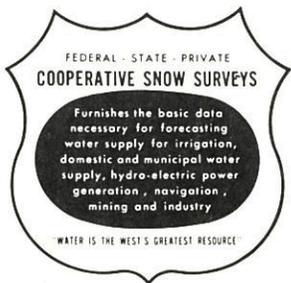
SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>XXXXXX</del>
UPPER BEAR RIVER (Above Harer, Idaho)						2 yrs. ago
Big Park x	8700	5/31	22	8.5	--	---
Burts-Miller Ranch	7900	5/25	0	0.0	0.0	0.0
CCC Camp	7500	Not Measured				
Hayden Fork	9400	5/25	0	0.0	5.9	5.9
Kelly Ranger Station	8200	5/31	18	8.4	--	--
LaBarge G.S.	9000	5/31	52	29.0	--	--
Monte Cristo R.S.	8960	5/31	17	8.4	25.4	17.0
Poison Meadows x	8500	5/31	56	29.6	--	--
Salt River Summit x	7900	Not Measured				
Stillwater Camp	8550	5/25	0	0.0	0.0	0.0
Trial Lake x	9800	5/30	40	21.3	29.9	17.8
Willow Creek Summit	8300	5/31	81	40.2	--	--
LOWER BEAR RIVER (Below Harer, Idaho)						
Beaver Crk-Skunk Crk	7150	5/31	0	0.0	0.0	0.0
Christensen Ranch	5600	Not measured				
Cub River R.S.	5400	Not measured				
Dry Bread Pond x	8230	5/31	0	0.0	2.0	1.8
Emigrant Summit	7350	Not measured				
Garden City Summit	7600	5/27	11	5.1	12.3	3.8
Klondike Narrows	7400	5/27	0	0.0	2.7	0.0
Liberty Spring	8600	Not measured				
Little Bear (lower)	6000	Not measured				
Little Bear (upper)	6550	Not measured				
Monte Cristo R.S.	8960	5/31	17	8.4	25.4	17.0
Steep Hollow #1	8500	5/27	65	33.4	48.7	32.9
Steep Hollow #2	7700	5/27	10	5.0	20.8	11.7
Strawberry Creek	5800	Not measured				
Strawberry Mink Divide	6800	Not measured				
Tony Grove R.S.	6250	5/27	0	0.0	0.0	0.0
Willow Flat	6100	5/31	0	0.0	--	0.0
Slug Creek Divide	7225	Not measured				

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Burt's - Miller Ranch	7900	5/25	1.07	--	15.77	--	--
Chalk Creek #1 x	9100	No Reading					
Chalk Creek #2 x	8000	No Reading					
Chalk Creek #3 x	7500	5/30	1.05	2.18b	22.63	18.82b	120
Cinnamon Crk (3)	7300	6/2	0.49	--	29.02	--	--
Clarkston (3)	6300	6/2	0.42	--	30.04	--	--
Curtis Creek (3)	8450	No Reading					
Dry Bread Pond	8230	5/31	0.27	3.05*	29.65	26.95*	110
Franklin Basin (3)	8000	6/2	0.96	--	39.31	--	--
Garden City Summit	7600	5/27	0.82	1.84*	32.96	23.53	140
Gold Hills (3)	10000	No Reading					
Hayden Fork	9300	5/25	1.41	--	35/30	--	--
Kelly R.S.	8200	No Reading					
Klondike Narrows (3)	7400	6/2	0.79	--	39.58	--	--
Little Bear (upper)	6850	No Reading					
Monte Cristo #2	8960	5/31	0.46	2.79b	39.65	33.10b	120
Sagebrush Flat x	6300	5/30	0.13	2.21b	23.03	18.20	127
Salt River Summit	7900	Not Scheduled					
Stillwater Camp	8550	5/25	1.18	2.40b	21.20	17.92*	118
Tony Grove R.S. (3)	6250	No Reading					
Trial Lake x	9800	5/31	0.85	3.15	37.13	28.20	132
Willow Flat	6100	5/31	0.45	3.27b	33.25	28.44*	117

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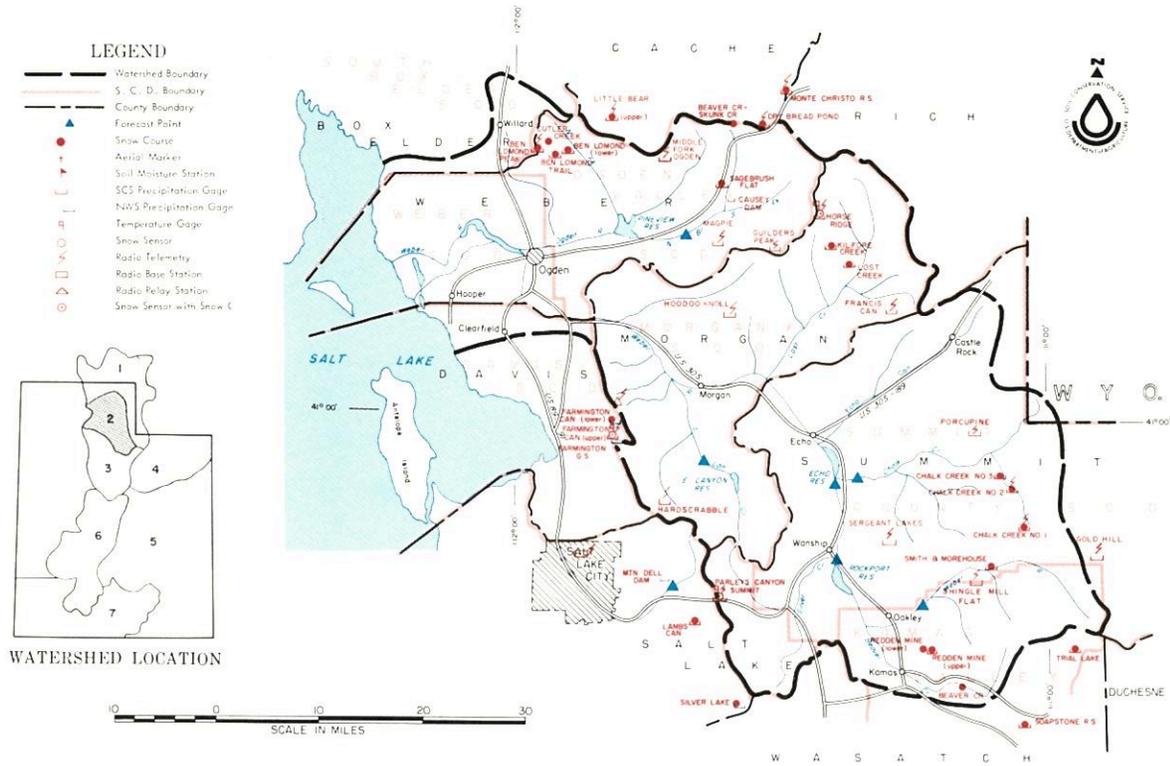
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# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

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



JUNE 1, 1972

The 1972 Water Supply Outlook for the Weber and Ogden River Basins remains "above average".

Snow cover remained only at the highest and more protected areas of the watersheds on June 1. May precipitation was less than 20% of average on the Ogden and less than 50% of average on the Weber watershed. Snow melt was more rapid than usual but dry weather caused high losses to evaporation with less than the expected amount of snow melt showing up as streamflow runoff.

Reservoir storage is still well above average. Pineview had 102,200 acre feet (144%) on June 1 but may not fill this year due to higher use and less inflow than expected in May. Lost Creek is still full and spilling, Echo had 70,700 acre feet(115%) on June 1 and Rockport 48,500 acre feet(127%) on June 1, but was reported to have filled on June 5. East Canyon was full at 48,800 acre feet on June 1.

Streamflow forecasts for the May-June period was reduced 10 to 15% in this area due to well below average May precipitation, but still range from about 120% of average on the upper Weber to better than 200% for Lost Creek. The remainder of the flow to come out in June is expected to be less than forecast on May 1, unless above average precipitation occurs during June. As previously mentioned, the snow pack melted faster than expected in May leaving less to produce streamflow in June and streams are now expected to recede faster than forecasts indicated on May 1.

Report prepared by  
 BOB L. WHALEY  
 U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111

USA 511 PUBLISHED 0885 1971 MF-0-22037-2-L



WEBER-OGDEN WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>Average</del>
						2 yrs. ago
<u>OGDEN RIVER</u>						
Ben Lomond (lower)	6000	5/30	0	0.0	0.0	0.0
Ben Lomond Peak	8000	5/30	8	4.7	18.2	19.4
Ben Lomond Trail	6000	5/30	0	0.0	0.0	0.0
Cutler Creek	6780	5/30	0	0.0	0.0	0.5
Dry Break Pond	8230	5/31	0	0.0	2.0	1.8
Monte Cristo R.S.	8960	5/31	17	8.4	25.4	17.0
Sagebrush Flat	6300	5/30	0	0.0	0.0	--
<u>WEBER RIVER</u>						
Chalk Creek #1	9100	Not Measured				
Chalk Creek #2	7900	5/30	0	0.0	0.0	0.0
Chalk Creek #3	7500	5/30	0	0.0	0.0	0.0
Farmington Canyon (lower)	6950	5/31	0	0.0	0.0	0.0
Farmington Canyon (upper)	8000	5/31	12	5.9	16.4	18.7
Lamb's Canyon x	6600	5/31	0	0.0		
Parley's Canyon Smt.	7500	5/31	0	0.0	0.0	0.0
Redden Mine (upper)	9000	5/30	0	0.0	4.4	5.2
Smith & Morehouse	7600	5/26	0	0.0	0.0	0.0
Trial Lake x	9800	5/30	40	21.3	29.9	17.8
Park City Smt. **	9300	6/2	16	8.6	--	--
Horse Ridge (?)	8260	6/1	0	0.0	8.2	0.0
Beaver Crk Skunk Crk	7150	5/30	0	0.0	0.0	0.0
Beaver Creek R.S.	7500	5/30	0	0.0	0.0	0.0

- \*\* - Snow pillow reading cooperatively by Park City Resort
- b - Average of all past records within the 15-year period, but less than 15 years
- x - Adjacent drainage
- (?) - Data obtained by radio
- (3) - Data obtained by radio - USU-SCS cooperative sites

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>Ogden River</u>							
Ben Lomond Peak	8000	No Reading					
Ben Lomond(lower)	6000	Gage Molested					
Ben Lomond Trail	6000	5/30	0.72	3.73b	42.00	35.45*	118
Causey Dam	5500	5/30	0.20	2.03b	24.79	- -	- -
Dry Bread Pond	8230	5/31	0.27	3.05*	29.65	26.95*	110
Monte Cristo #2 x	8960	5/31	0.46	2.79b	39.65	33.10b	120
Sagebrush Flat	6300	5/30	0.13	2.21b	23.03	18.20b	127
<u>Weber River</u>							
Chalk Creek #1 (3)	9100	No Reading					
Chalk Creek #2 (3)	7900	No Reading					
Chalk Creek #3	7500	5/30	1.05	2.18b	22.63	18.82b	120
Farmington G.S.	7500	5/31	0.39	3.82	48.07	36.12	133
Farmington Rice	7000	5/31	0.27	3.65	42.92	33.57	128
Horse Ridge	8260	6/1	0.30	- -	40.35	- -	- -
Lost Creek Reservoir	6125	Not Measured					
Mt. Dell Dam x	5500	5/31	0.75	2.13	18.32	16.85	109
Parley's Canyon Smt.	7500	5/31	0.54	2.80	33.04	26.84*	123
Redden Mine (upper)	9000	5/30	0.35	- -	30.75	- -	- -
Sargeant Lakes (3)	8400	No Reading					
Silver Lake(Brighton)x	8725	5/31	0.05	5.47	37.68	36.20	104
Smith & Morehouse	7600	5/26	0.50	2.58*	26.45	22.57	117
Trial Lake x	9800	5/31	0.85	3.15	37.13	28.20*	132

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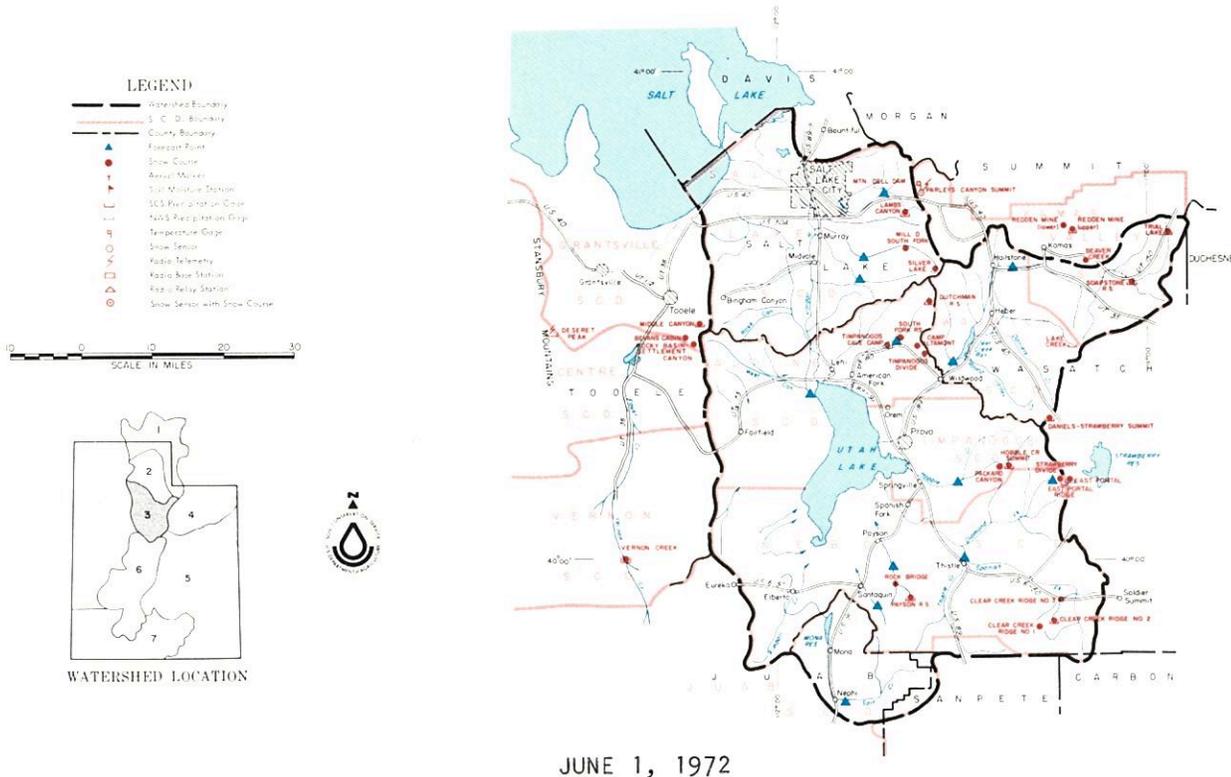
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# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

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



The Water Supply Outlook for Utah Lake, Jordan River and Tooele Watersheds is still "near average".

Snow cover remains at only the highest and most protected areas of the watersheds. Trial Lake snow course had the only measureable snow and it had less than last year but had 20% more water content than the average for June 1. May precipitation varied from 11 to 30% of average at stations which had any measureable precipitation. Radio readings on Farmington Upper and Parley's Summit data sites indicated snow pillows at these sites melted bare June 2, and May 9, respectively.

Reservoir storage is still well above average. Strawberry held 221,700 acre feet (150%) on June 1 and Deer Creek held 150,200 acre feet (119%). Utah Lake was reported to have 809,800 acre feet (136%) and about 0.9 foot below Compromise.

Streamflow forecasts for the May-July period were reduced by low May precipitation and are now expected to range from 81% of average for Spanish Fork to about 150% for Parley's Creek. Flows on all other streams in the area are expected to drop 5 to 10% from May 1 forecasts and range from 85 to 120% of the May-July average.

148-150-1001-0000 0001 0001 MP-02-2007-3-L



UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>XXXXXX</del>
						2 yrs. ago
<u>UTAH LAKE</u>						
Clear Creek Ridge #2	8000	5/30	0	0.0	0.0	0.0
Daniels Strawberry Smt.	8000	5/31	0	0.0	0.0	0.0
Dutchman R.S.	7560	5/30	0	0.0	0.0	0.0
Hobble Creek Summitt	7420	5/30	0	0.0	0.0	0.0
Payson R.S.	8050	5/31	0	0.0	0.0	0.0
Soapstone R.S.	7800	5/30	0	0.0	0.0	0.0
Trial Lake	9800	5/30	40	21.3	29.9	17.8
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Lamb's Canyon	6600	5/31	0	0.0	0.0	0.0
Middle Canyon - Tooele	7000	5/26	0	0.0	0.0	0.0
Parley's Canyon Smt. x	7500	5/31	0	0.0	0.0	0.0
Vernon Creek	7500	5/26	0	0.0	0.0	0.0
Timpanogos Divide	8140	3/30	0	0.0	0.0	0.0
Mill D South Fork	7400	5/30	0	0.0	- -	- -
Lamb's Canyon #2	7400	5/31	0	0.0	- -	- -
Silver Lake (Brighton)	8725	5/30	0	0.0	9.0	15.1

**PRECIPITATION (Inches)**

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	5/30	0.77	2.23b	22.95	19.52*	118
Daniels-Strawberry Smt.	8000	5/31	0.39	1.92*	22.72	21.75*	104
Dutchman R.S.	7560	5/30	0.20	2.67b	29.45	25.84b	114
Hobble Creek Smt.	7420	5/30	0.28	- -	22.15	- -	--
Payson R. S.	8050	5/31	0.38	2.23b	21.21	22.79	93
Soapstone R.S.	7800	5/30	0.45	2.08*	23.21	19.69*	118
Timpanogos Divide	8200	5/31	0.30	2.77	31.50	30.24	104
Trial Lake	9800	5/31	0.85	3.15	37.13	28.20*	132
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>							
Lamb's Canyon #2	7400	5/31	0.51	- -	32.57	- -	--
Middle Canyon	7000	5/26	Gage molested		- -	23.90*	--
Mt. Dell Dam	5500	5/31	0.75	2.13	18.32	16.85	109
Parley's Canyon Smt.	7500	5/31	0.54	2.80	33.04	26.84*	123
Silver Lake (Brighton)	8725	5/31	0.05	5.41	37.68	36.20	104
Vernon Creek	7500	5/26	0.35	- -	18.05	- -	--

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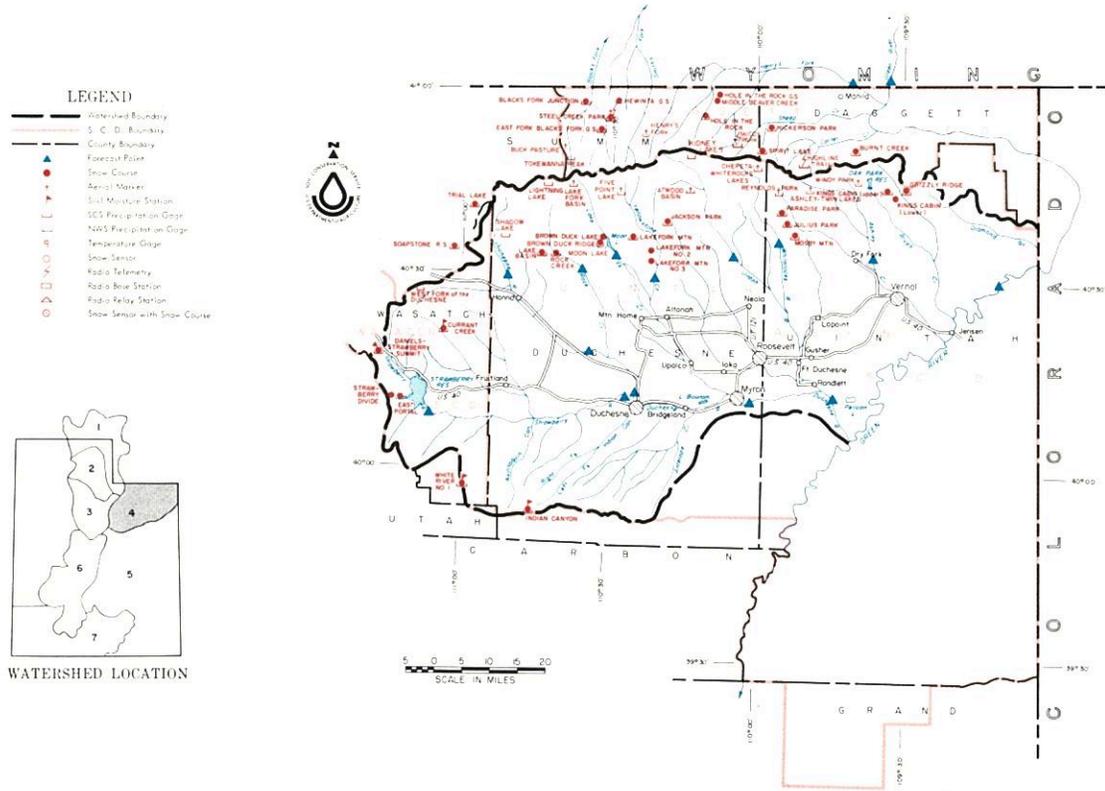
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

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



JUNE 1, 1972

The Water Supply Outlook for Uintah Basin and Daggett SCD's is "near average".

Snow cover on the Uintahs as of the end of May was generally above average but less than last year at this time. The aerial snow depth markers were flown again May 26 and indicated good amounts of snow remaining on the north side and the west end of the south side of the Uintahs but snow remained only in shaded locations on Ashley and Brush Creeks above Vernal. High elevation snow melt was well underway in this area but had not begun on the upper Uintah, Yellowstone, Lakefork, Rock Creek or upper Duchesne rivers.

Reservoirs are still above average. Steinaker had 27,900 acre feet, Flaming Gorge 2,902,000 acre feet and rising about .3 to .4 foot per day; Moon Lake had 21,200 acre feet and Starvation held 141,200 acre feet as of June 1.

Precipitation during May was only 15 to 60% of average on the Uintahs and streamflow forecasts dropped 7 to 13% for the May-July period, although high elevation snow on Yellowstone, Lakefork and Rock Creek is expected to hold those streams up to near average as forecast on May 1.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111



UINTAH BASIN & DAGGETT SCD's

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>XXXXXX</del>
						2 yrs. ago
<u>UINTAH BASIN SCD</u>						
Brown Duck Ridge	10800	5/24	45	20.3	--	--
Currant Creek	7800	5/19	0	0.0	--	--
Daniels Strawberry Smt.	8000	5/31	0	0.0	0.0	0.0
Indian Canyon	9100	5/18	0	0.0	0.0	0.0
Jackson Park	11300	5/25	20	7.4	--	--
Julius Park	9800	5/19	10	4.1	3.8	0.0
Lakefork Mountain	10200	5/23	10	3.2	4.1	0.0
Mosby Mountain	9500	5/19	0	0.0	2.6	0.1
Paradise Park	10100	5/19	24	8.8	10.4	2.3
Rock Creek	7900	5/18	0	0.0	0.0	0.0
Soapstone R.S. x	7800	5/30	0	0.0	0.0	0.0
Trial Lake x	9800	5/30	40	21.3	29.9	17.8
White River #1	8550	5/24	0	0.0	0.0	0.0
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	5/25	0	0.0	0.0	0.0
Burnt Creek	7900	5/22	0	0.0	0.0	0.0
E. Fk. Black's Fork G.S.	9300	5/25	0	0.0	0.0	0.0
Hewinta Guard Station	9500	5/25	0	0.0	0.0	3.6
Hickerson Park	9100	5/22	0	0.0	0.0	0.0
Spirit Lake	10300	5/22	25	10.1	13.0	4.1
Steel Creek Park	9900	5/25	43	16.6	--	--
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	5/26	24	9.1	--	--
Atwood Basin A	10250	5/26	0	0.0	--	--
Buck Pasture A	9700	5/26	26	10.1	--	--
Chepeta-Whiterocks Lakes A	10300	5/26	35	13.3	--	--
Five Point Lake A	11000	5/26	27	8.6	--	--
Henry's Fork A	10000	5/26	28	10.9	--	--
Lakefork Basin A	11100	5/26	51	16.3	--	--
Reynolds Park A	10400	5/26	10	3.8	--	--
Windy Park A	9400	5/26	0	0.0	--	--

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Currant Creek	7800	5/19	0.96	- -	20.81	- -	--
Daniels-Strawberry Smt. x	8000	5/31	0.39	1.92*	22.72	21.75	104
East Portal Ridge x	7800	5/31	0.98	2.87	21.59	23.42*	92
Grizzly Ridge	8500	5/31	1.32	--	20.03	--	--
Indian Canyon	9100	5/18	0.65	2.00b	18.40	17.41b	106
Julius Park	9800	5/19	1.17	2.53*	20.17	16.76*	120
King's Cabin (upper)	8730	5/31	1.52	2.47b	18.34	15.35b	119
Lakefork Mountain	10200	5/23	1.42	2.54*	20.60	16.18*	127
Moon Lake	8150	5/31	0.90	1.76	11.76	10.77	109
Mosby Mountain	9500	5/19	1.73	--	18.06	--	--
Paradise Park	10100	5/19	1.22	2.73b	21.70	18.25*	119
Rock Creek	7900	5/18	0.30	2.01b	17.27	14.57b	118
Soapstone R.S. x	7800	5/30	0.45	2.08*	23.21	19.69*	118
Trial Lake x	9800	5/31	0.85	3.15	37.13	28.20*	132
White River #1 x	8550	5/24	0.73	1.92b	17.28	17.51*	99
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	5/25	1.25	2.19b	20.26	16.53*	123
Burnt Creek	7900	5/22	0.93	--	16.59	--	--
East Fk. Black's Fk. G.S.	9300	5/25	1.44	2.63b	20.85	16.64b	125
Hewinta Guard Station	9500	5/25	1.30	2.74b	22.20	17.69b	125
Hickerson Park	9100	5/22	3.02	--	16.58	--	--
Spirit Lake	10300	5/22	2.09	3.76b	24.94	22.09*	113
Steel Creek Park (3)	9900	6/2	1.11	--	23.79	--	--

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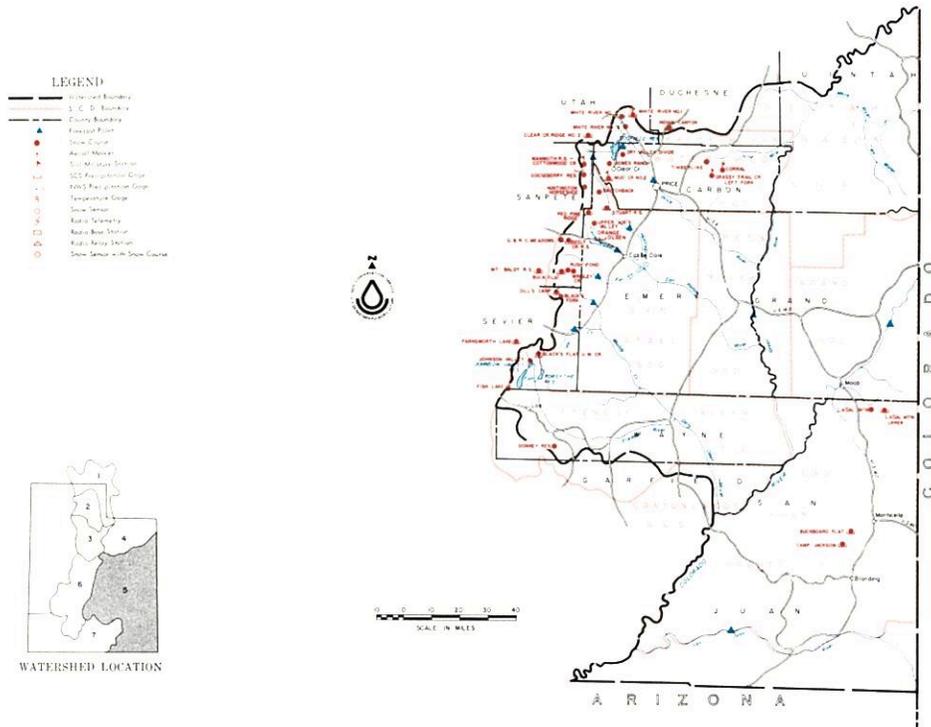
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



JUNE 1, 1972

The 1972 Water Supply Outlook for southeastern Utah ranges from "near average" for water users with reservoir storage to "poor" for those depending on natural streamflow.

All snow courses in this area were bare before June 1. The only areas with snow remaining were the most protected east and north slopes high on the watersheds.

Reservoir storage is above average and increasing with a late rise in streamflow the last of May and first few days of June. Scofield had 53,000 acre feet (137%) on June 1. Joe's Valley had 47,800 acre feet and Mill Site had about 9,800 acre feet as of June 5. Both Mill Site and Joe's Valley were reported to be gaining about one foot of storage per day as of June 5.

Streamflow forecasts for the May-July period are now expected to be about 10 to 15% less than on May 1 due to only about one third of normal May precipitation over most of the area. Warm weather the last week of May and showers in early June have increased streamflow on the San Rafael river tributaries which may hold May-July volumes up to about as forecast on May 1. Forecasts are still expected to range from 45 to 80% of the May-July average for the 1953-67 period.

Report prepared by  
BOB L. WHALEY  
U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111



CARBON, EMERY, WAYNE, GRAND, & SAN JUAN COUNTIES

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>XXXXX</del>
						2 yrs. ago
<u>PRICE RIVER</u>						
Gooseberry Reservoir	8700	5/30	0	0.0	0.0	0.0
Indian Canyon x	9100	5/18	0	0.0	--	--
Mammoth R.S. Ctwd. Crk. x	8800	5/30	0	0.0	0.0	0.0
Mud Creek #2	8300	5/24	0	0.0	--	--
White River #1	8550	5/24	0	0.0	0.0	0.0
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	5/26	0	0.0	0.0	0.6
Gooseberry Reservoir x	8700	5/30	0	0.0	0.0	0.0
Orange Olsen	7300	5/30	0	0.0	--	--
Red Pine Ridge	9400	5/30	0	0.0	0.0	0.0
Stuart R.S.	7950	5/30	0	0.0	0.0	0.0
<u>FREMONT RIVER</u>						
Black's Flat - U.M. Creek	9250	5/25	0	0.0	0.0	0.2
Mt. Baldy R.S. x	9500	5/26	5	2.2	19.3	18.3
Diels' Camp	9200	5/26	0	0.0	--	--
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	5/26	0	0.0	0.0	0.0
Camp Jackson	8600	5/30	0	0.0	0.0	0.0
LaSal Mountain	8800	5/30	0	0.0	0.0	0.0

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	5/30	0.77	2.23b	22.95	19.52*	118
Gooseberry Reservoir	8700	5/30	0.80	2.75*	19.14	23.38*	82
Indian Canyon	9100	5/18	0.65	2.00b	18.40	17.41b	106
Mammoth R.S. #2	8600	5/30	0.80	2.55*	19.41	24.30*	80
Mud Creek	8300	5/24	0.40	--	15.00	--	
White River	8550	5/24	0.73	1.92b	17.28	17.51*	99
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	5/26	0.75	2.44b	19.35	21.81*	89
G.B.R.C. Meadows x	10000	5/31	1.15	3.21	25.50	28.30	90
Gooseberry Reservoir x	8700	5/30	0.80	2.75*	19.14	23.38*	82
Orange Olsen	7300	5/30	0.10	--	10.40	--	
Red Pine Ridge	9400	5/30	0.50	2.43b	24.53	25.05*	98
Stuart R.S.	7950	5/30	0.35	--	16.50	--	
<u>FREMONT RIVER</u>							
Black's Flat-U.M. Creek	9250	5/25	0.66	2.19b	14.06	16.53*	85
Fish Lake	8700	5/25	0.54	1.50b	10.10	11.54b	88
Widtsoe-Escalante #3 x	9500	5/24	0.07	2.00*	14.26	17.19*	83
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	5/26	0.20	2.25b	21.60	22.11b	98
Camp Jackson	8600	5/30	0.10	1.83*	17.23	18.42*	94
LaSal Mountain (upper)	9400	5/30	0.70	2.87b	16.35	19.73*	83

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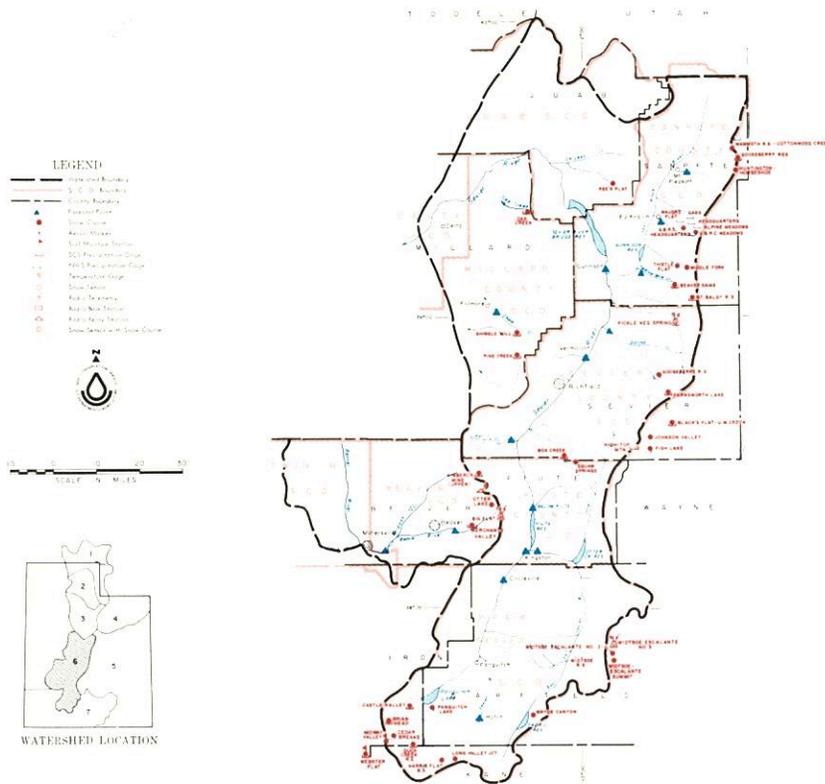
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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



JUNE 1, 1972

The Water Supply Outlook for Sevier and Beaver River Basins is "below average to poor" for areas without reservoir storage. Water users with reservoir storage are expected to have a "near average" water supply.

Only one snow course, GBRC Meadows on the San Pitch, had measureable snow as of the end of May and it had only 3 inches containing 1.2 inches water content. Last year it had 20.6 inches of water at this time.

Reservoir storage was drawn down heavily in May as a result of the dry weather but still remains well above average at Otter Creek and Sevier Bridge. Otter Creek held 37,300 acre feet (124%) and Sevier Bridge held 128,200 acre feet (204%) on June 1. Gunnison Reservoir held 10,400 acre feet on June 1. Heavy reservoir use this summer is expected to leave a low carryover in Sevier River reservoirs for next season.

The lack of May precipitation has again lowered streamflow forecasts for the May-July period another 6-20%. Streamflow is expected to range from 30 to 50% of the May-July average on the Sevier and Beaver Rivers this year. Those with storage water are expected to have a near average supply. Water shortages are expected for users of direct streamflow.

Report prepared by  
 BOB L. WHALEY  
 U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE  
 FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84111



SEVIER RIVER BASIN including BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>XXXXX</del>
						2 yrs. ago
<u>UPPER SEVIER RIVER</u>						
<u>(South of Richfield, Utah)</u>						
Big Flat x	10290	5/30	0	0.0	18.5	14.8
Box Creek	9800	5/25	0	0.0	0.0	0.0
Castle Valley	9700	5/24	0	0.0	0.0	0.0
Duck Creek R.S.	8700	5/24	0	0.0	0.0	0.0
Fish Lake	8700	5/25	0	0.0	0.0	0.0
Harris Flat R.S.	7700	5/24	0	0.0	0.0	0.0
Kimberly Mine	9300	5/25	0	0.0	1.2	0.0
Long Valley Jct.	7500	5/24	0	0.0	- -	
Midway Valley	9800	5/26	0	0.0	10.1	0.0
Panguitch Lake	8200	5/24	0	0.0	0.0	0.0
Widtsoe-Escalante #2	9500	5/24	0	0.0	0.0	0.0
Widtsoe-Escalante #3	9500	5/24	0	0.0	0.0	0.0
<u>LOWER SEVIER RIVER</u>						
<u>(including San Pitch)</u>						
Beaver Dams	8000	5/26	0	0.0	0.0	0.0
G.B.R.C. Headquarters	8700	5/31	0	0.0	0.0	0.0
G.B.R.C. Meadows	10000	5/31	3	1.2	20.6	17.8
Gooseberry Reservoir x	8700	5/30	0	0.0	0.0	0.0
Mammoth R.S. - Ctnwd. Crk	8800	5/30	0	0.0	0.0	0.0
Oak Creek	7760	5/31	0	0.0	0.0	0.0
Pine Creek	8700	5/26	0	0.0	0.0	0.0
Shingle Mill	6200	5/26	0	0.0	0.0	0.0
Big Flat	10290	5/30	0	0.0	18.5	14.8
Merchant Valley	8200	5/30	0	0.0	0.0	0.0

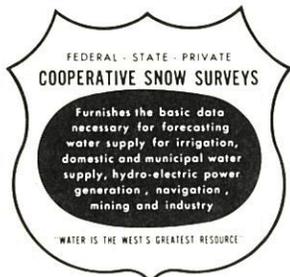
# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Beaver Dams	8000	5/26	0.80	2.75b	15.70	19.79*	79
Big Flat x	10290	5/30	0.35	3.03*	13.13	21.85*	60
Box Creek	9800	5/25	0.61	2.27b	14.55	18.33b	79
Castle Valley	9700	5/24	0.01	1.90b	14.23	19.99b	71
Duck Creek R.S.	8700	5/24	0.05	1.76*	18.66	21.51*	87
Fish Lake	8700	5/25	0.54	1.50b	10.10	11.54b	88
G.B.R.C. Headquarters	8700	5/31	0.95	2.80	20.57	24.15	85
G.B.R.C. Meadows	10000	5/31	1.15	3.21	25.50	28.30	90
G.B.R.C. Oaks	7655	5/31	0.72	2.22	14.29	16.85	85
Gooseberry Reservoir x	8700	5/30	0.80	2.75*	19.14	23.38*	82
Kimberly Mine	9300	5/25	0.15	3.21*	15.63	25.54*	61
Mammoth R.S. #2 x	8600	5/30	0.80	2.55*	19.41	24.30*	80
Mt. Baldy	9500	5/26	0.75	3.36b	18.40	22.70*	81
Oak Creek	7760	5/31	0.12	- -	16.07	- -	--
Panguitch Lake	8200	5/24	0.00	1.09b	10.57	9.21b	115
Pickle Keg Springs	9600	6/1	0.30	- -	17.90	- -	--
Pine Creek	8700	5/26	0.34	3.99	26.06	30.53b	85
Shingle Mill	6200	5/26	0.34	2.76b	18.45	19.30b	96
Webster Flat	9200	5/26	0.00	2.03	20.08	24.03	84
Widtsoe-Escalante #3	9500	5/24	0.07	2.00*	14.26	17.19*	83
Widtsoe R. S.	7600	5/24	0.04	0.97	5.84	6.34	92
Midway Valley	9800	5/26	0.00	- -	19.46	- -	--
Big Flat	10290	5/30	0.35	3.03*	13.13	21.85*	60
Merchant's Valley	8650	5/30	0.20	- -	11.17	- -	--

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SOIL CONSERVATION SERVICE

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## FIRST CLASS MAIL

*"The Conservation of Water begins with the Snow Survey"*





EAST GARFIELD, KANE, WASHINGTON & IRON

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	<del>Previous</del>
						2 yrs. ago
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	5/24	0	0.0	0.0	0.0
Widtsoe-Escalante #2	9500	5/24	0	0.0	0.0	0.0
Widtsoe-Escalante #3	9500	5/24	0	0.0	0.0	0.0
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
Duck Creek R.S.	8700	5/24	0	0.0	0.0	0.0
Harris Flat x	7000	5/24	0	0.0	0.0	0.0
Midway Valley x	9800	5/26	0	0.0	10.1	0.0
Webster Flat	9200	5/26	0	0.0	0.0	0.0
<u>PAROWAN CREEK</u>						
Tall Poles	8800	5/26	0	0.0	0.0	0.0
Yankee Reservoir	8700	5/26	0	0.0	0.0	0.0
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	5/26	0	0.0	0.0	0.0
Long Flat	8000	5/26	0	0.0	0.0	0.0

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	5/24	0.07	2.00*	14.26	17.19*	83
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8700	5/24	0.05	1.76*	18.66	21.51*	87
Webster Flat	9200	5/26	0.00	2.03	20.08	24.03	84
<u>COAL CREEK</u>							
Webster Flat	9200	5/26	0.00	2.03	20.08	24.03	84
<u>PAROWAN CREEK</u>							
Tall Poles	8800	5/26	0.13	- -	17.32	- -	--
Yankee Reservoir	8700	5/26	0.03	1.71b	13.55	15.70b	86
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	5/25	0.00	0.80b	13.60	14.54b	94
Long Flat	8000	5/25	0.00	1.44b	11.84	15.29b	77

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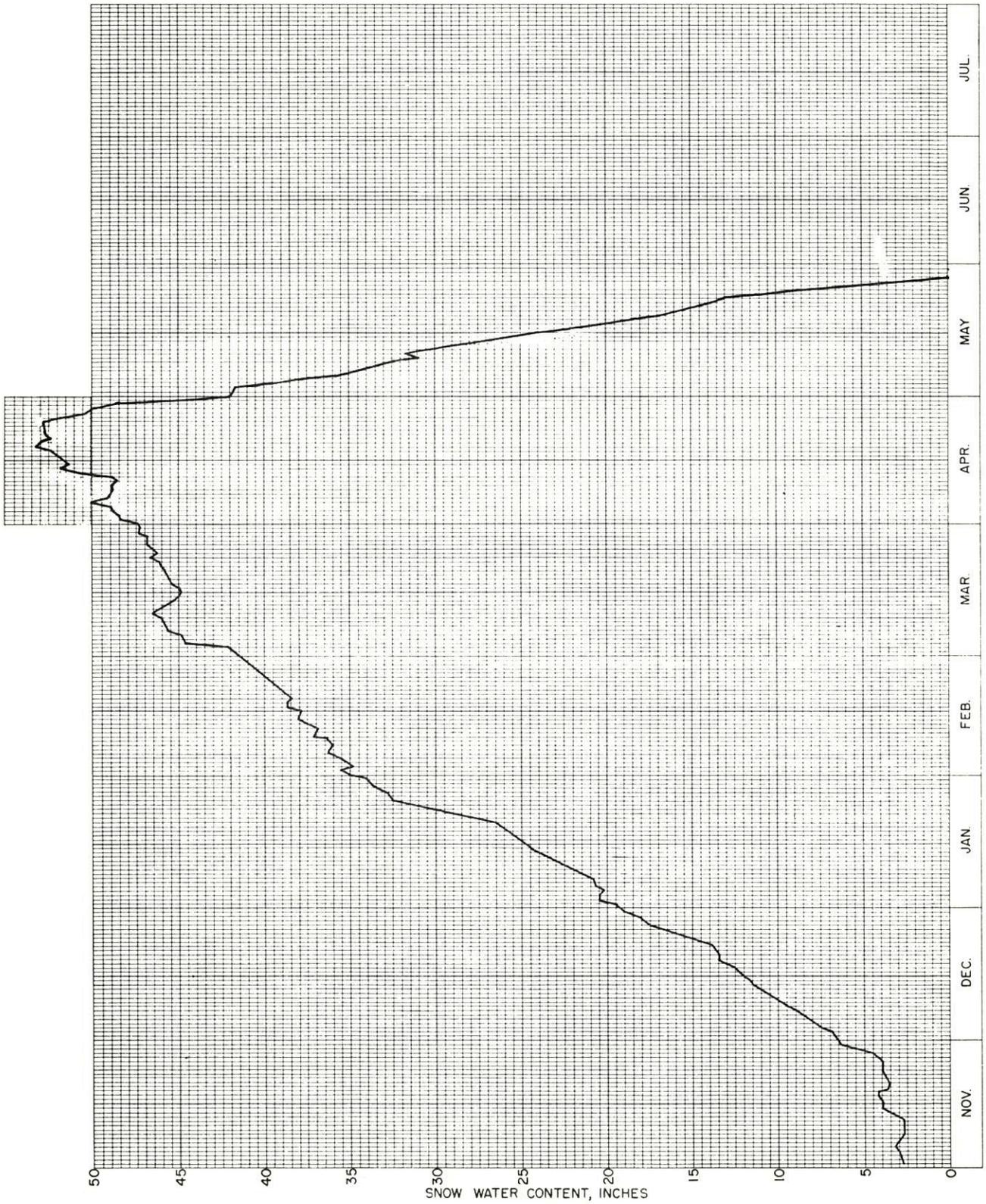
HORSE RIDGE

SNOW PILLOW DATA  
WATER YEAR \_\_\_\_\_

No. 11H21

Elev. 8260

Drainage: Lost Creek



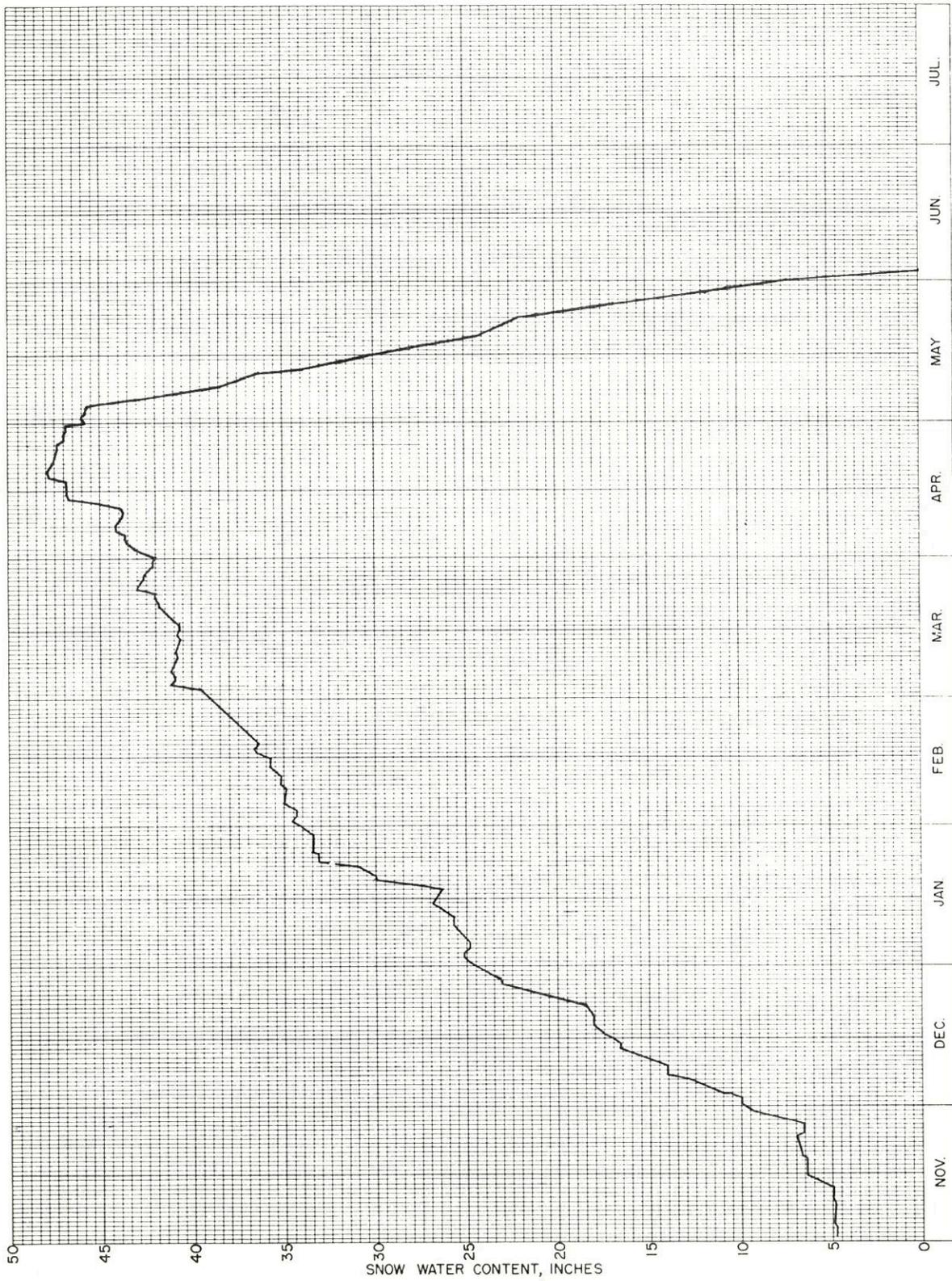
FARMINGTON CANYON (upper)

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J11

Elev. 8000

Drainage: Farmington Creek



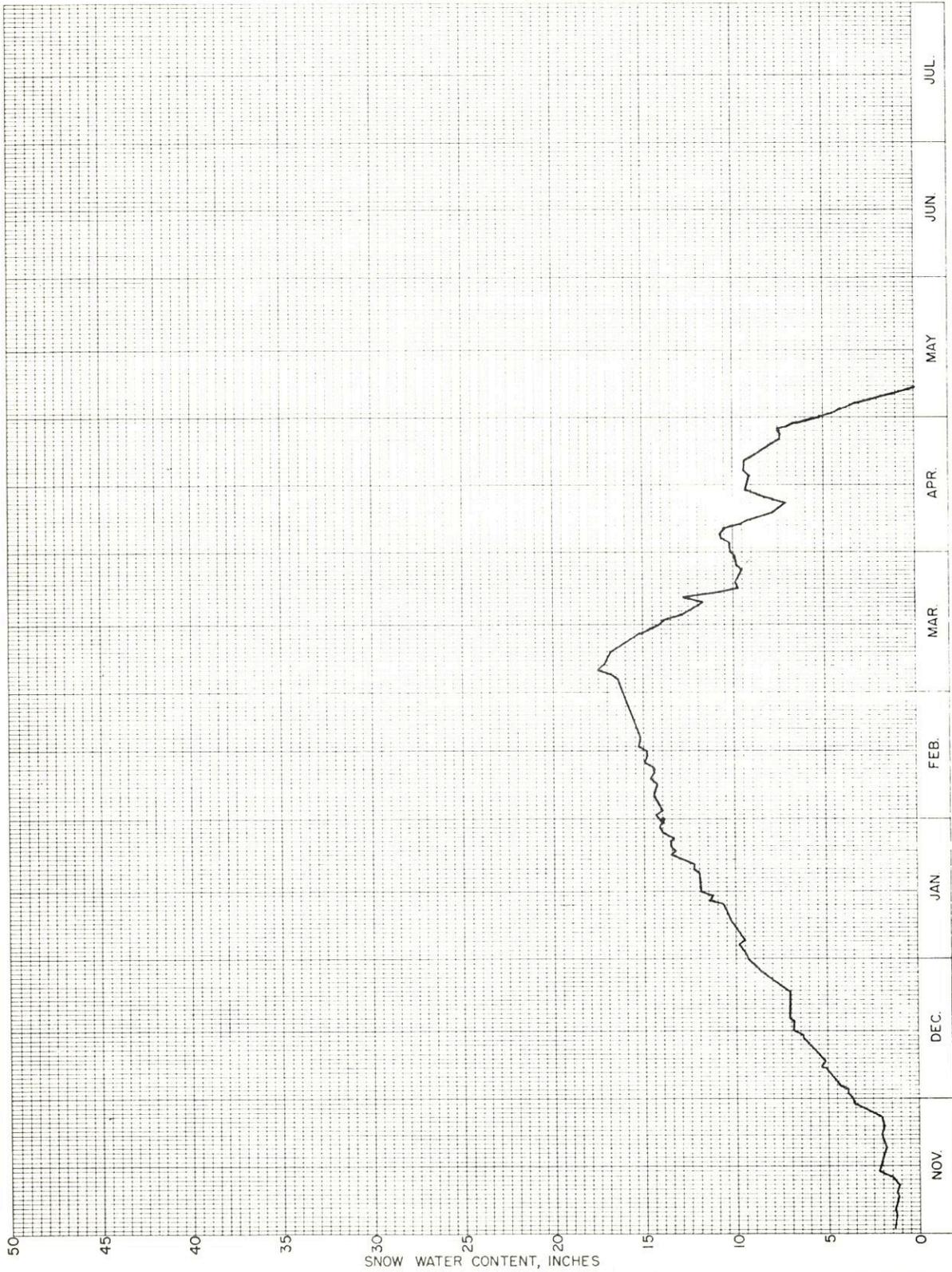
PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11J15

Elev. 7500

Drainage: East Canyon Crk. - Weber River



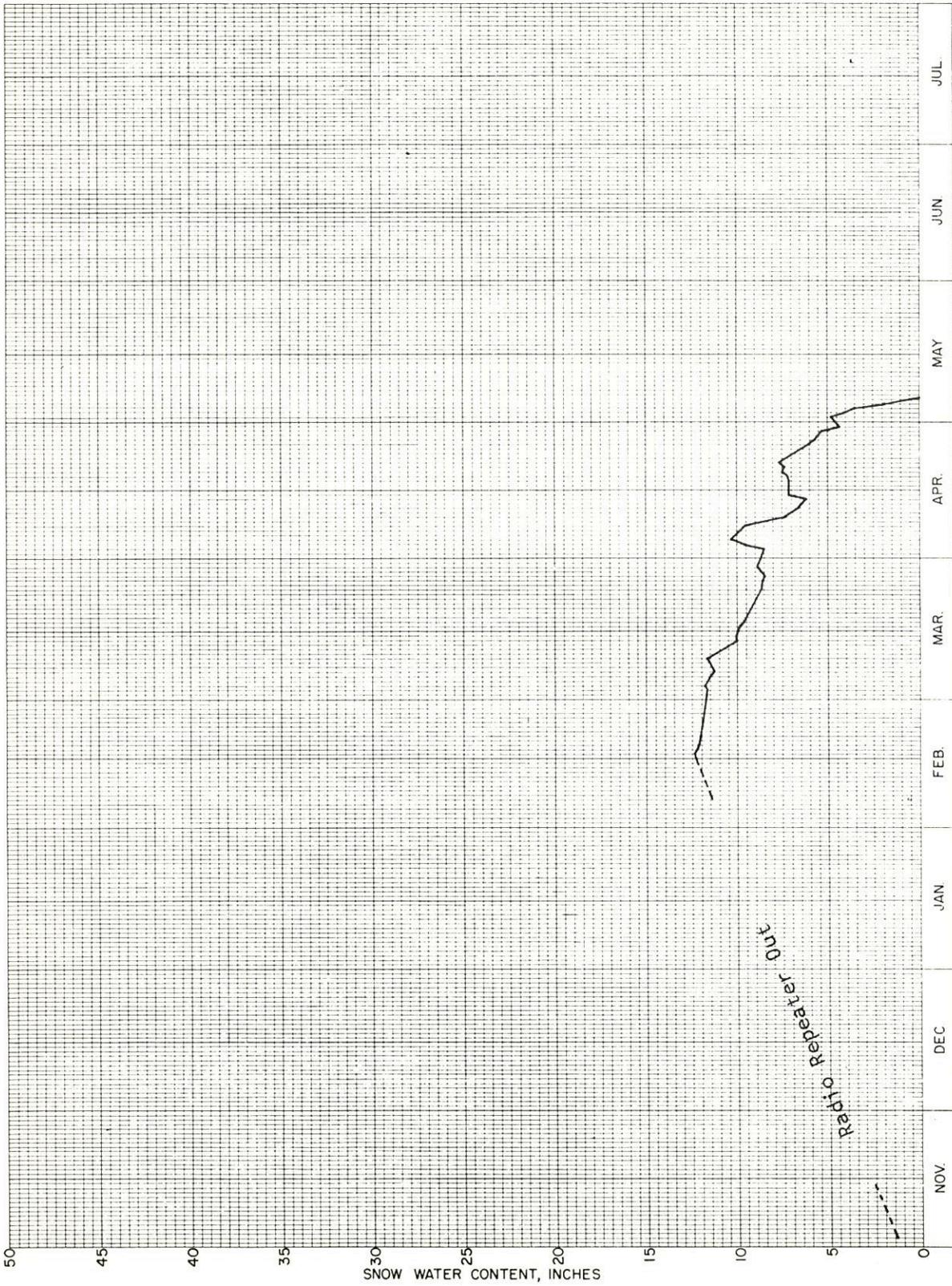
PICKLE KEG SPRINGS

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11K39

Elev. 9600

Drainage: Salina Creek



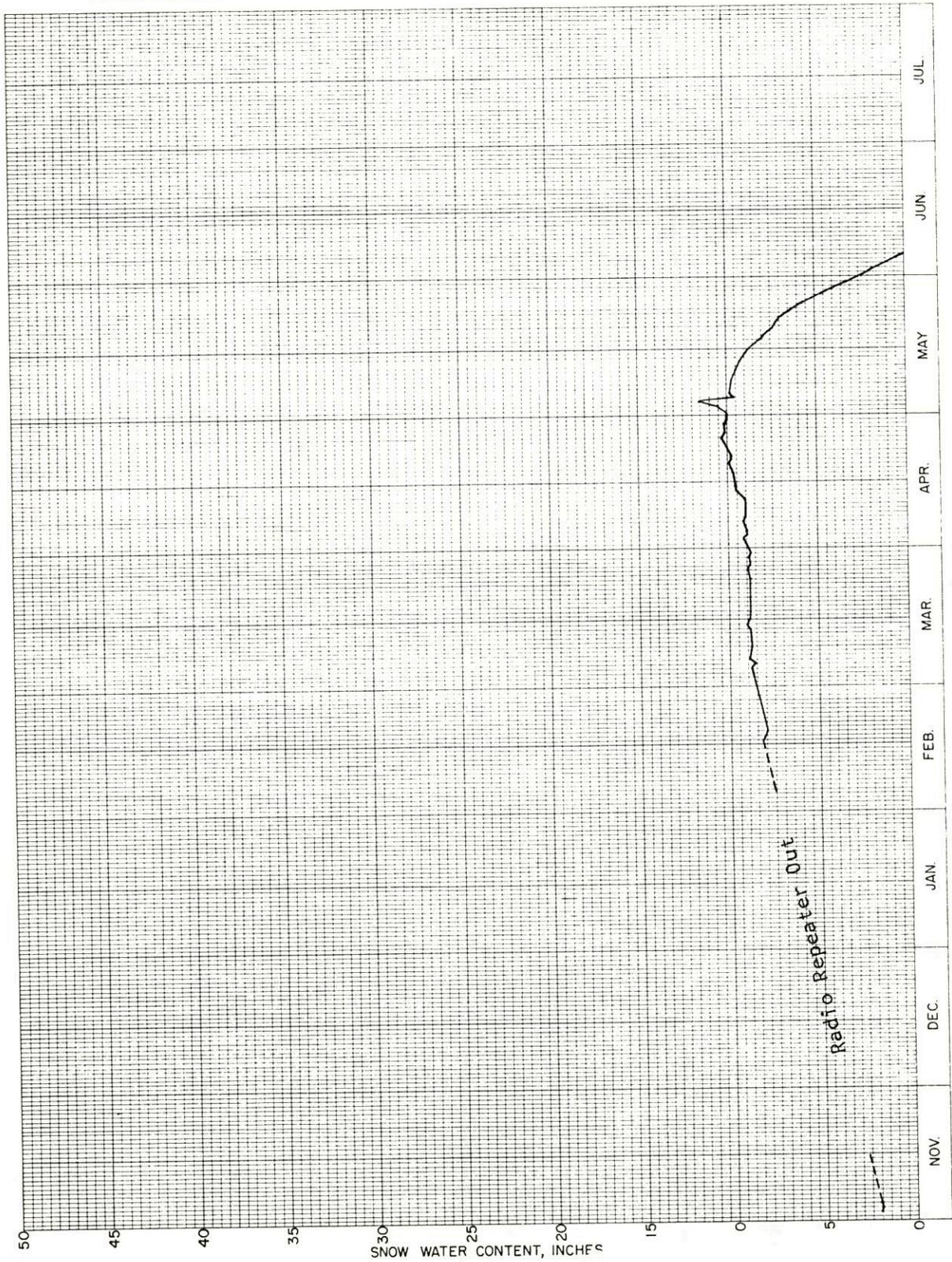
BIG FLAT

SNOW PILLOW DATA  
WATER YEAR 1972

No. 12L7

Elev. 10,000

Drainage: Beaver River



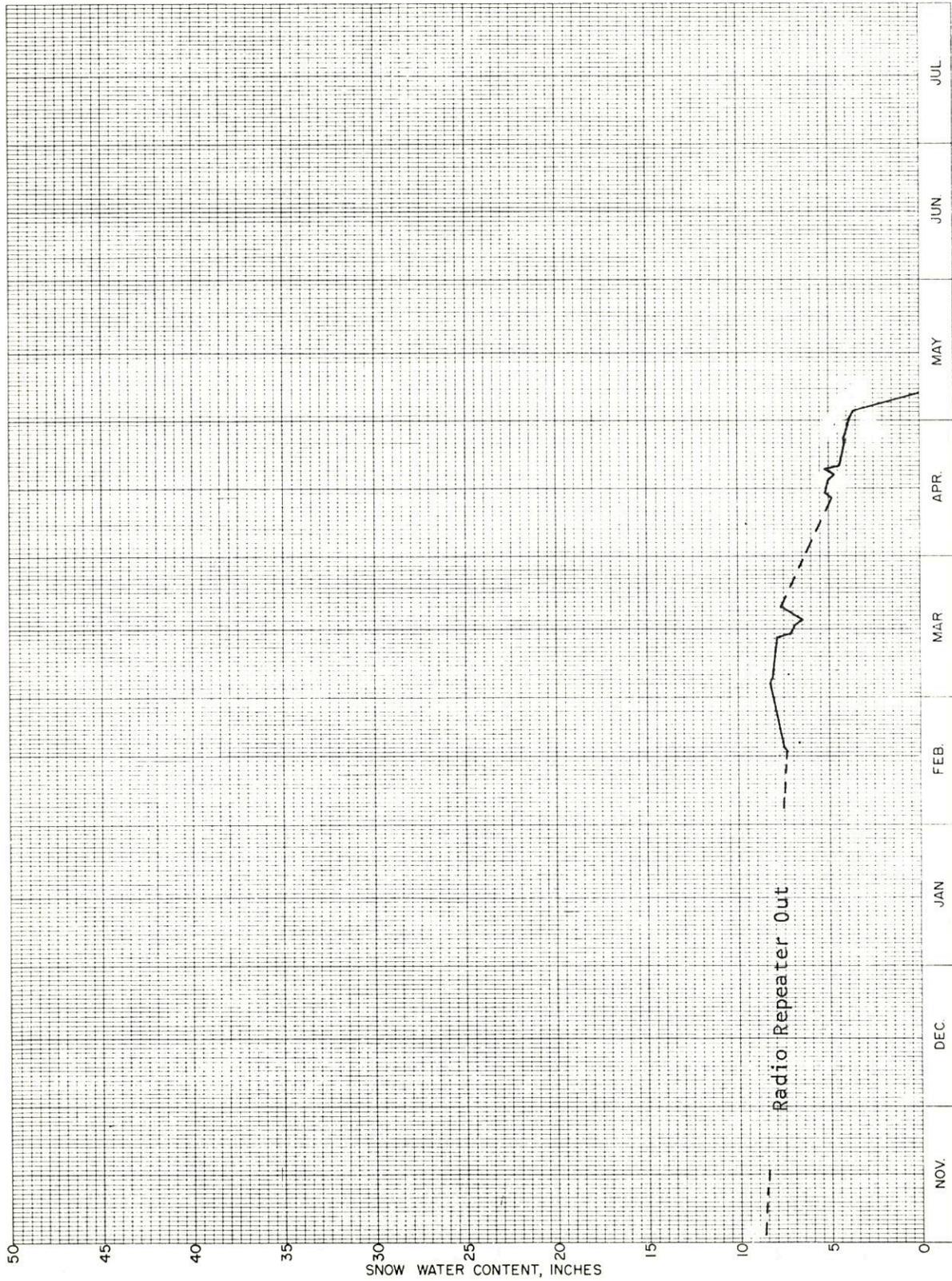
WIDTSOE-ESCALANTE #3

SNOW PILLOW DATA  
WATER YEAR 1972

No. 11M3

Elev. 9500

Drainage: East Fork-Sevier River



**FEDERAL-STATE-PRIVATE  
COOPERATIVE SNOW SURVEYS**



# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**OCT. 1, 1972**

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**

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SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.



*Released by*

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STATE CONSERVATIONIST  
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SALT LAKE CITY, UTAH

*In Cooperation with*

**HUBERT C. LAMBERT**

STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84111



# WATER SUPPLY OUTLOOK

## SUMMARY

as of

OCTOBER 1, 1972

Utah's water supply for the 1972 season varied from good to excellent in the northern third of the State to fair to poor in the south on streams without adequate storage water. Those with storage had near average water supplies.

Spring and summer precipitation was much less than usual in central and southern Utah causing streamflow to drop even faster than predicted by May 1 forecasts.

Fall soil moisture is good in northern Utah, but generally drier than average in southern Utah. Rainfall since October 1 has improved soil moisture but not enough in most areas of central and southern Utah to fully prime the watersheds for next year's runoff.

Reservoir storage as of October 1, was about 140% of the 1953-67 average but about 10% less than a year ago.

The following table shows a comparison of May 1 forecasts compared to the provisional flows recorded by the U. S. Geological Survey and Bureau of Reclamation:

<u>Station</u>	<u>Forecast Period</u>	<u>May 1 Forecast (1000 A.F.)</u>	<u>Measured Flow for the period (1000 A.F.)</u>
Bear at Utah-Wyo. Line	May-July	140	119
Logan nr Logan	May-July	150	150
Blacksmith Fork nr Hyrum	May-July	50	65
Little Bear nr Paradise	May-June	31	32
Pineview Res. Inflow	May-June	102	82
Lost Creek Res. Inflow	May-June	17	21
East Canyon Res. Inflow	May-June	16	19
Weber nr Oakley	May-June	105	102
Big Cottonwood nr Salt Lake	May-July	36	35

## WATER SUPPLY OUTLOOK (continued)

<u>Station</u>	<u>Forecast Period</u>	<u>May 1 Forecast (1000 A.F.)</u>	<u>Measured Flow for the period (1000 A.F.)</u>
Spanish Fork nr Thistle	May-July	18	7.3
Strawberry Res. Inflow	May-July	26	21
Flaming Gorge Inflow	April-July	1510	1721
Whiterocks nr Whiterocks	May-July	45	44
Scofield Res. Inflow	May-July	20	14
Joe's Valley Res. Inflow	May-July	29	30
Clear Creek nr Sevier	May-July	6.3	4.6
Sevier at Hatch	May-July	15.3	14.4
Beaver nr Beaver	May-July	7.5	5.0
Coal Creek nr Cedar City	May-July	5.0	5.6
Virgin River nr Virgin	May-June	10.0	11.0*

\* - Estimated from Virgin at Hurricane

## RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
	<u>GREAT BASIN</u>				
<u>Bear River</u>	Bear Lake	1421.0	1225.8	1241.2	889.2
	Woodruff Narrows	26.5	9.3	12.7	- -
<u>Beaver River</u>	Minersville(RkyFd)	23.3	2.4	- -	3.5
<u>Little Bear</u>	Hyrum	15.3	13.3	10.3	3.8
	Porcupine	11.3	1.5	4.7	- -
<u>Ogden</u>	Causey	6.9	1.3	3.5	- -
	Pineview	110.1	56.5	61.8	12.7
<u>Provo</u>	Deer Creek	149.7	80.1	104.6	88.9
<u>Sevier River</u>	Gunnison	18.2	.6	2.7	- -
	Otter Creek	52.5	10.2	12.1	10.1
	Piute	71.8		18.5	6.5
	Sevier Bridge	236.0	65.9	97.4	41.0
<u>Spanish Fork</u>	Strawberry	270.0	167.4	186.4	123.0
<u>Utah Lake</u>	Utah Lake	883.9	554.6	637.0	440.2
<u>Weber</u>	East Canyon	48.1	33.9	34.6	9.5
	Echo	73.9	29.0	36.2	15.8
	Lost Creek	20.0	13.6	14.6	- -
	Rockport	60.9	43.8	45.5	19.6
	Willard Bay	193.3	159.0	158.0	- -
	<u>COLORADO RIVER DRAINAGE</u>				
<u>Ashley Creek</u>	Steinaker	33.3	18.4	16.2	- -
<u>Colorado</u>	Blue Mesa	829.5	511.0	532.3	- -
	Lake Powell	25002.0	12488.0	13609.0	- -
<u>Green</u>	Flaming Gorge	3749.0	3465.0	2931.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	4.6	8.2	7.2
<u>Price River</u>	Scofield	65.8	19.5	37.6	17.7
<u>San Juan</u>	Navajo	1696.0	898.1	993.2	- -
<u>San Rafael</u>	Huntington North	3.9	.9	- -	- -
	Joe's Valley	54.6	31.6	37.5	- -
	Mill Site	16.7	2.3	- -	- -
<u>Strawberry</u>	Starvation	165.3	136.8	139.6	- -
<u>Uintah</u>	Bottle Hollow	11.3	11.0	- -	- -



U T A H P R E C I P I T A T I O N D A T A  
1972 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
B E A R R I V E R B A S I N									
BUG LAKE	12/22 5.95			3/24 4.63	4/21 4.12	6/02 27.57			40.73
BURTS-MILLER	1/03 13.20	1/31 4.12	2/29 1.57	3/31 2.34	5/01 4.60	5/25 1.07	6/29 2.30	9/28 2.02	20.09
CINNAMON CREEK	1/03 17.12	1/31 4.09	2/29 1.64	3/31 2.74	5/01 4.60	6/02 0.49			39.54
CLARKSTON MTN	1/03 14.14	1/31 9.86	2/29 3.87	3/31 4.66	5/01 4.03	6/02 0.42			37.62
CURTIS CREEK	1/03 14.82	1/31 10.50	2/29 4.03	3/31 4.20	5/01 5.66	6/02 0.46		9 13	45.28
DEER SPRINGS	1/03 16.92	1/31 4.04	2/29 5.03	3/31 5.02	5/01 7.34	6/02 0.96		9 13	42.82
FRANKLIN BASIN	12/27 11.39	1/26 8.05	2/23 2.38	3/27 4.84	4/25 5.48	5/27 0.82	7/11 3.36	8 21	50.37
GARDEN CTY SMT	1/03 14.16	1/31 4.90	2/29 1.69	3/31 3.58	5/01 3.20	6/02 2.05		10/13 4.03	40.35
GEORGE PEAK	1/03 13.22	1/31 7.09	2/29 2.54	3/31 3.38	5/01 6.50			8 15	38.02
GOLD HILL	1/03 8.02	1/31 2.73	2/29 0.87	3/31 1.92	5/01 3.87				36.71
HARDWARE RANCH	12/22 13.05			3/24 15.24	4/21 5.60	5/25 1.41	6/29 1.95	9/27 1.28	23.64
HAYDEN FORK	1/03 14.43	1/31 6.55	2/29 1.83	3/31 4.08	5/01 7.24	6/02 0.76		9/27 5.85	38.53
HELL CANYON	1/03 12.87	1/31 5.67	2/29 2.13	3/31 2.74	5/01 4.70	6/02 0.52			40.74
HERD HOLLOW	1/03 10.85	1/31 10.31	3/02 5.31	3/31 4.08	5/01 8.26	6/02 0.79			32.88
KLONDIKE NARR	1/03 9.67	1/31 3.96	2/29 1.68	3/31 2.20	5/01 4.77	6/02 1.24			45.07
LILY LAKE	1/03 18.07	1/31 4.69	2/29 1.13	3/31 2.73	5/01 6.06				25.99
LITTLE BEAR UP	1/03 15.49	1/31 9.06	2/29 2.67	3/30 4.31	4/27 7.22	5/31 0.46	7/12 1.95	9/27 2.40	38.36
MONTE CRISTO 2	1/03 15.49	1/31 9.06	2/29 2.67	3/31 3.93	5/01 6.99				43.56
MONTE CRISTO 3	1/03 17.38	1/31 7.86	2/29 2.84	3/31 3.67	5/01 6.26	6/02 0.76			42.00
PARADISE CYN	12/30 9.25	1/31 7.50	2/28 2.70	3/30 3.85	4/28 3.80	6/01 0.90	6/30 3.55	9/29 4.70	43.05
SALT RIVER SMT	12/22 7.82			3/24 7.95	4/21 4.25	5/25 1.18	6/29 2.05	9/27 1.48	36.25
STILLWATER CMP		1/31 39.52	2/29 6.07	3/31 4.14	5/01 4.91				24.73
TONY GROVE LK		1/31 16.87	2/29 2.78	3/31 4.12	5/01 5.78	6/02 0.46			56.66
TONY GROVE RS		1/31 15.56	2/29 3.53	3/31 3.66	5/01 6.15	5/31 0.45	6/30 3.43	8/31 0.50	41.11
TRIGARA SPRING		1/31 4.75	2/28 2.26	3/29 4.55	5/01 6.15				
WILLOW FLAT									

W E B E R - O G D E N R I V E R B A S I N S

BEN LOMOND LOW	12/28 21.18	1/27 7.45	2/24 1.09	3/28 5.36	4/26 6.46				
BEN LOMOND TR	12/28 21.12	1/27 7.31	2/24 1.30	3/28 5.43	4/26 6.12	5/30 0.72		* 9/27 5.42	47.42
BEN LOMOND PK	1/03 28.57	1/31 7.55	2/29 2.35	3/31 5.56	5/01 5.89				54.45
CAUSEY DAM	12/29 12.47	1/28 4.50	2/28 1.51	3/30 2.37	4/27 3.79	5/30 0.20	7/13 0.55	9/27 1.85	27.19
CHALK CREEK 1	1/03 14.26	1/31 6.31	3/02 2.23	3/31 1.86	5/01 6.58				35.72
CHALK CREEK 2	1/03 10.55	1/31 4.15	2/29 1.24	3/31 2.07	5/01 6.49				33.52
CHALK CREEK 3	12/27 9.57	1/26 3.50	2/24 0.88	3/27 2.47	4/24 5.16	5/30 1.05	6/30 2.09	9/26 2.78	27.50
DRY BREAD POND	12/29 12.89	1/28 5.99	2/28 2.35	3/30 2.80	4/27 2.80	5/31 0.27	7/12 1.78	9/27 2.36	33.79

NOTE: BLANK SPACES INDICATE NO READING TAKEN. NEXT READING IS CUMULATIVE (EXCEPT AS NOTED \*)  
\*: GAGE MOLESTED. DATA FOR THIS PERIOD LOST



U T A H P R E C I P I T A T I O N D A T A

1972 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
FARMINGTON UP	12/28 8.25	1/27 7.51	2/25 2.49	3/29 5.56	4/28 7.44	5/31 0.43	7/05 0.77	9/20 1.74	50.97
FRANCIS CANYON	1/03 10.38	1/31 4.09	2/29 1.04	3/31 0.93	5/01 3.60			8 17	22.03
GUILDERS PEAK	1/03 14.60	1/31 5.81	2/29 1.74	3/31 3.52	5/01 4.68	6/02 0.43		8 23	30.08
HARDSCRABBLE	1/03 17.98	1/31 4.99	2/29 1.79	3/31 2.70	5/01 4.66	6/02 1.39		9/27 4.30	42.75
HOODOO KNOLL		1/31 20.89	2/29 2.58	3/31 4.70	4/28 5.60	5/31 0.30	7/13 1.65	10/02 2.91	35.64
HORSE RIDGE		2/11 27.17	2/29 0.90	3/31 1.19			7/13 5.09	*	44.91
LOST CREEK		2/11 12.87	2/29 1.68	3/31 3.17	5/01 5.41	6/02 3.30		9/27 6.56	42.01
MAGPIE	1/03 17.45	1/31 4.44	2/29 2.02	3/31 3.79	5/01 5.07	6/02 0.27		9 11	41.46
MIDDLE FK OGDN	1/03 19.66	1/31 7.98	2/29 2.20	3/30 3.15	4/27 7.20	5/31 0.54	7/05 0.52	10/04 3.50	37.06
PARLEY CYN SMT	12/29 14.35	1/28 5.60	2/28 2.29	3/31 2.67	5/01 5.12	5/30 0.35	6/29 2.30	9/26 2.57	26.99
PORCUPINE	1/03 10.39		2/28 6.70	3/29 2.41	4/26 5.10	5/30 0.13	7/12 0.93	9/27 2.14	35.62
REDDON MINE UP	12/29 16.19	1/28 4.27	2/28 1.31	3/30 2.31	4/27 3.88	5/30 0.13			26.16
SAGEBRUSH FLAT	12/29 11.19	1/31 3.67	2/29 1.19	3/31 2.24					31.79
SERGEANT LAKES	1/03 13.57		2/29 22.41	3/31 3.75	5/01 6.95	6/02 1.56			39.31
SHINGL MIL FLT		1/27 4.50	2/25 1.80	3/28 2.55	4/26 4.68	5/26 0.50	6/30 1.76	9/26 2.65	30.86
SM MOREHOUSE	12/28 12.42								

U T A H L A K E - J O R D A N R I V E R B A S I N

CLEAR CR RDG 2	12/28 10.73	1/26 2.10	2/25 1.55	3/29 1.40	4/27 6.40	5/30 0.77		9/26 6.23	29.18
DANIEL-STR SMT	12/28 13.02	1/27 2.95	2/25 1.81	3/28 1.91	4/24 2.64	5/31 0.39	6/27 1.55	9/29 3.27	27.54
DUTCHMAN RS	1/04 16.45	1/28 3.80	2/29 1.50	3/31 3.50	4/28 4.00	5/30 0.20		*	
EAST PORTAL	12/27 10.87	1/31 4.18	2/28 1.42	3/31 2.14	4/28 2.00	5/31 0.98	7/01 1.63	10/01 3.40	26.62
HOBBLE CR SMT	12/29 13.02	1/27 2.45	2/28 1.60	3/30 2.30	4/26 2.50	5/30 0.28	6/27 29.11	9/26 3.83	25.98
LAKE CREEK							9/29 2.99	10/04 4.48	32.10
LAMBS CANYON 2	12/29 14.10	1/28 4.45	2/28 1.65	3/30 3.35	4/27 5.60	5/31 0.51	6/30 0.40		34.54
MIDDLE CANYON	12/22 .	1/24 4.59	2/23 1.43	3/27 2.62	4/24 6.15			*	
PAYSON RS	12/27 11.38	1/25 2.15	2/24 1.30	3/28 1.70	4/26 4.30	5/31 0.38		9/26 5.12	6.33
ROCKY BASIN			2/28 17.50	3/30 2.20	4/28 6.40			9/28 4.00	30.10
SOAPSTONE RS	12/30 10.69	1/28 4.33	2/29 1.98	3/30 2.51	4/29 3.25	5/30 0.45	6/29 1.55	9/27 2.16	26.92
TRIAL LAKE	12/30 18.13	1/28 2.30	2/29 2.60	3/30 3.33	4/29 5.51	5/31 0.83	6/29 2.73	9/27 3.26	38.71
VERNON CREEK	12/22 9.55		2/23 5.50	3/27 0.77	4/24 1.88	5/26 0.35		9/29 6.75	24.80

D U C H E S N E - G R E E N R I V E R B A S I N

ASHLEY TWIN LK								8/23 34.02	34.02
ATWOOD BASIN								9/27 27.39	27.39
BLACKS FRK JCT	12/21 7.42		2/23 5.34	3/23 2.57	4/20 3.68	5/25 1.25	6/28 2.08	9/28 1.89	24.23
BROWN DUCK RDG	12/21 8.48			3/31 13.17		5/24 5.70	6/27 2.26	9/29 4.20	33.81
BUCK PASTURE								9/27 3.21	32.77

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 \*: GAGE MOLESTED, DATA FOR THIS PERIOD LOST



U T A H P R E C I P I T A T I O N D A T A  
1972 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SFPT.	TOTAL
BURNT CREEK	12/22 8.44	1/28 2.17	2/24 0.48	3/23 0.61	4/28 3.96	5/22 0.93	6/29 1.44	9/26 3.23	21.26
CAMP HOLLOW							6/27 28.06	9/29 2.93	30.99
CHEPETA WYROCK	12/29 11.03			3/29 6.38	4/28 4.28	5/19 0.96	6/29 1.85	8/25 42.19	42.19
CURRENT CREEK	12/21 7.33		2/23 5.23	3/23 2.93	4/20 3.92	5/25 1.44	6/28 1.79	9/21 3.22	25.88
E FK BLACKS FK								9/28 2.34	24.48
FIVE POINT LK								8/29 34.45	34.45
GRIZZLY RIDGE	12/21 9.90	1/28 4.30	2/24 0.53	3/23 0.95	4/27 3.03	5/31 1.32	6/29 1.79	9/26 5.66	27.48
HENRYS FORK								9/22 23.19	23.19
HEWINTA GS	12/21 7.88		2/23 5.83	3/23 3.17	4/20 4.02	5/25 1.30	6/28 1.56	9/28 1.99	25.75
HICKERSON PARK	12/21 6.40		2/23 2.54	3/23 1.17	4/20 3.45	5/22 3.02	6/29 2.35	9/26 3.00	21.93
INDIAN CANYON	12/28 13.23	1/31 1.45	2/29 0.32	3/30 0.82	4/26 1.93	5/18 0.65	6/29 1.80	9/19 4.70	24.90
JACKSON PARK				3/28 16.01		5/25 4.24	6/26 2.47	9/29 3.90	26.62
JULIUS PARK	12/23 11.02	1/27 4.82	2/25 0.17	3/21 0.54	4/19 2.45	5/19 1.17	5/27 1.85	9/27 4.39	26.41
KIDNEY LAKES								9/27 33.65	33.65
KINGS CARIN UP	12/21 8.97		2/23 4.65	3/23 0.80	4/20 2.40	5/31 1.52	6/29 2.08	9/26 4.93	25.35
LAKE RASIN	12/20 7.60							8/21 27.08	34.68
LAKEFORK BASIN								8/28 38.17	38.17
LAKEFORK MTN	12/28 11.28	1/28 2.90	2/28 0.78	3/27 1.36	4/27 2.86	5/23 1.42	6/26 3.12	9/19 4.25	27.97
LIGHTNING LAKE								8/22 45.32	45.32
MOSBY MOUNTAIN	12/23 9.10	1/27 4.90	2/25 0.15	3/21 0.43	4/19 1.75	5/19 1.73	6/27 2.12	9/27 4.02	24.20
PARADISE PARK	12/23 11.85	1/27 5.13	2/25 0.30	3/22 0.70	4/19 2.50	5/19 1.22	6/27 1.68	9/27 6.88	30.26
REYNOLDS PARK								8/22 27.46	27.46
ROCK CREEK	12/20 6.41			3/24 8.02	4/24 2.54	5/18 0.30	6/29 2.80	9/19 3.01	23.08
SHADOW LAKE								*	
SPIRIT LAKE	12/21 10.89		2/23 5.30	3/23 1.58	4/20 5.03	5/22 2.09	6/29 1.86	9/26 5.36	32.16
STEEL CRK PARK	1/03 10.71		2/29 1.91	3/31 2.65	5/01 4.98	6/02 1.11		9/27 6.00	26.86
WINDY PARK								8/23 26.12	26.12

P R I C E - S A N R A F A E L - F R E M O N T R I V E R R A S I N S

BLACKS FLAT UM	12/29 8.49		2/24 2.76	3/27 0.57	4/24 1.58	5/25 0.66	6/27 2.36	9/28 5.13	21.55
BUCKGARD FLAT	12/21 15.80		2/22 4.20	3/27 0.10	4/27 1.30	5/26 0.20	6/27 2.60	9/29 4.65	28.85
BUCK FLAT	12/27 11.25	1/27 2.85	2/25 1.40	3/29 1.55	4/25 1.75	5/26 0.75	6/29 1.40	9/28 4.95	25.70
CAMP JACKSON	12/21 12.48		2/23 3.55	3/27 0.90	4/27 0.20	5/30 0.10	5/27 2.05	9/29 4.20	23.48
DILLS CAMP	12/28 9.70		2/24 3.45	3/28 1.10		5/26 1.75	6/29 1.95	9/28 5.55	23.50
FISH LAKE	12/29 7.04		2/24 1.16	3/27 0.31	4/24 1.03	5/25 0.54	6/27 1.46	9/28 4.98	16.54
GOOSEFERRY RES	12/28 12.45	1/26 1.20	2/25 1.05	3/29 1.40	4/25 2.24	5/30 0.80	6/30 0.91	9/27 5.31	25.36
LASAL MTN UP	12/20 12.05		2/24 2.10	3/28 0.20	4/28 1.30	5/30 0.70	6/29 2.35	9/28 6.40	25.10
MUD CREEK	12/29 6.40	1/31 2.70	2/28 1.80	3/29 0.90	4/28 2.80	5/24 0.40	6/29 1.51	9/27 4.57	21.08
ORANGE OLSEN	12/29 6.75	1/28 1.50	2/28 0.30	3/30 0.80	4/27 0.95	5/30 0.10	6/29 1.30	9/29 4.00	15.70
RED PINE RIDGE	12/29 12.75	1/28 3.70	2/28 1.75	3/30 2.65	4/27 3.20	5/30 0.50	6/29 1.30	9/29 5.30	31.15

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U T A H P R E C I P I T A T I O N D A T A  
1972 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
STUART RS(OLD)	12/30 8.90			3/31 5.15	4/27 2.10	5/30 0.35	6/29 1.85	9/29 5.00	23.35
STUART RS(NEW)	12/30 8.75			3/31 4.90	4/27 2.05	5/30 0.30	6/29 1.80	9/29 4.60	22.40
WHITE RIVER 1	12/27 8.95		2/25 3.50	3/31 1.65	4/28 2.45	5/24 0.73	6/29 1.02	9/27 3.75	22.05
S E V I E R - B E A V E R R I V E R B A S I N S									
BEAVER DAMS	12/27 9.55		2/24 2.20	3/28 0.75	4/24 2.30	5/26 0.80	6/30 0.56	9/29 3.34	19.60
BIG FLAT	12/27 9.73	1/25 0.70	2/22 0.70	3/29 0.40	4/24 1.25	5/30 0.35	6/27 2.65	9/27 9.03	22.16
BOX CREEK	1/04 10.55		2/25 1.21	3/27 0.29	4/24 1.89	5/25 0.61	6/27 2.65	9/28 4.62	21.82
CASTLE VALLEY	1/03 10.96		2/25 0.48	3/30 0.49	4/28 2.29	5/24 0.01	6/29 1.26	9/29 5.73	21.22
DUCK CREEK RS	12/27 14.86	1/25 1.05	2/24 0.30	3/28 0.22	4/28 2.18	5/24 0.05	6/29 2.33	9/27 6.49	27.48
FARNWORTH LAKE	12/29 12.80	1/27 1.90	2/28 1.64	3/30 0.78	4/27 3.77	5/25 0.15	6/27 1.13	10/02 4.24	25.13
KIMBERLY MINE	12/27 9.68	1/31 1.87	2/23 0.54	3/29 0.44	5/01 2.95	5/25 0.15	6/27 1.13	9/28 5.38	22.14
MAMMATH RS 2	12/28 11.05	1/26 1.75	2/25 1.50	3/29 2.04	4/25 2.27	5/30 0.80	6/30 0.77	9/27 4.72	24.85
MERCHANT VALLEY	12/27 8.37	1/25 0.53	2/22 0.67	4/24 1.40	4/24 1.40	5/30 0.20	6/26 7.29	9/26 7.29	18.46
MIDWAY VALLEY	12/29 15.46	1/27 1.15	2/25 0.25	3/28 0.10	4/25 2.50	5/26 0.00	6/28 10.05	9/28 10.05	29.51
MT BALDY RS	12/27 12.15		2/24 2.55	3/28 0.75	4/24 2.20	5/26 0.75	6/30 0.35	9/29 2.90	21.65
OAK CREEK			2/25 0.45	3/24 13.38	4/28 2.57	5/31 0.12	6/28 2.25	9/27 2.93	21.25
PANGUITCH LAKE	1/03 8.87		2/28 3.35	3/30 0.22	4/28 1.08	5/24 0.00	6/29 2.90	9/29 4.70	18.17
PINE CREEK	1/03 15.77		2/28 3.35	3/29 0.94	4/26 5.66	5/26 0.34	6/28 2.00	9/26 3.78	31.84
SHINGLE MILL	1/03 11.20	1/31 1.02	2/28 0.93	3/24 0.60	4/26 4.36	5/26 0.34	6/28 1.68	9/26 4.78	24.91
WIDSTOE-ESCL 3	12/29 11.29	1/26 0.05	2/28 0.35	3/31 0.51	5/01 2.86	5/24 0.07	6/29 3.21	9/28 6.46	24.80
C O A L C R E E K - V I R G I N - E S C A L A N T E R I V E R B A S I N S									
LITTLE GRASSY	12/30 11.90		2/28 0.25	3/24 0.00	4/28 1.45	5/25 0.00	6/27 5.17	9/27 6.90	18.77
LONG FLAT	12/30 9.67		2/28 0.47	3/21 0.00	4/26 1.70	5/25 0.00	6/27 6.90	9/27 6.90	18.74
TALL POLES	12/28 12.99	1/28 0.60	2/24 0.40	3/28 0.05	4/25 3.15	5/26 0.13	6/28 7.50	9/28 8.45	24.82
WEBSTER FLAT	12/29 16.25	1/27 0.90	2/25 0.30	3/28 0.03	4/25 2.60	5/26 0.00	6/28 1.68	9/28 8.45	28.53
YANKEE RES	12/28 9.27		2/24 0.30	3/28 0.29	4/25 2.60	5/26 0.03	6/29 3.21	9/29 7.22	19.71

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