WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1977

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

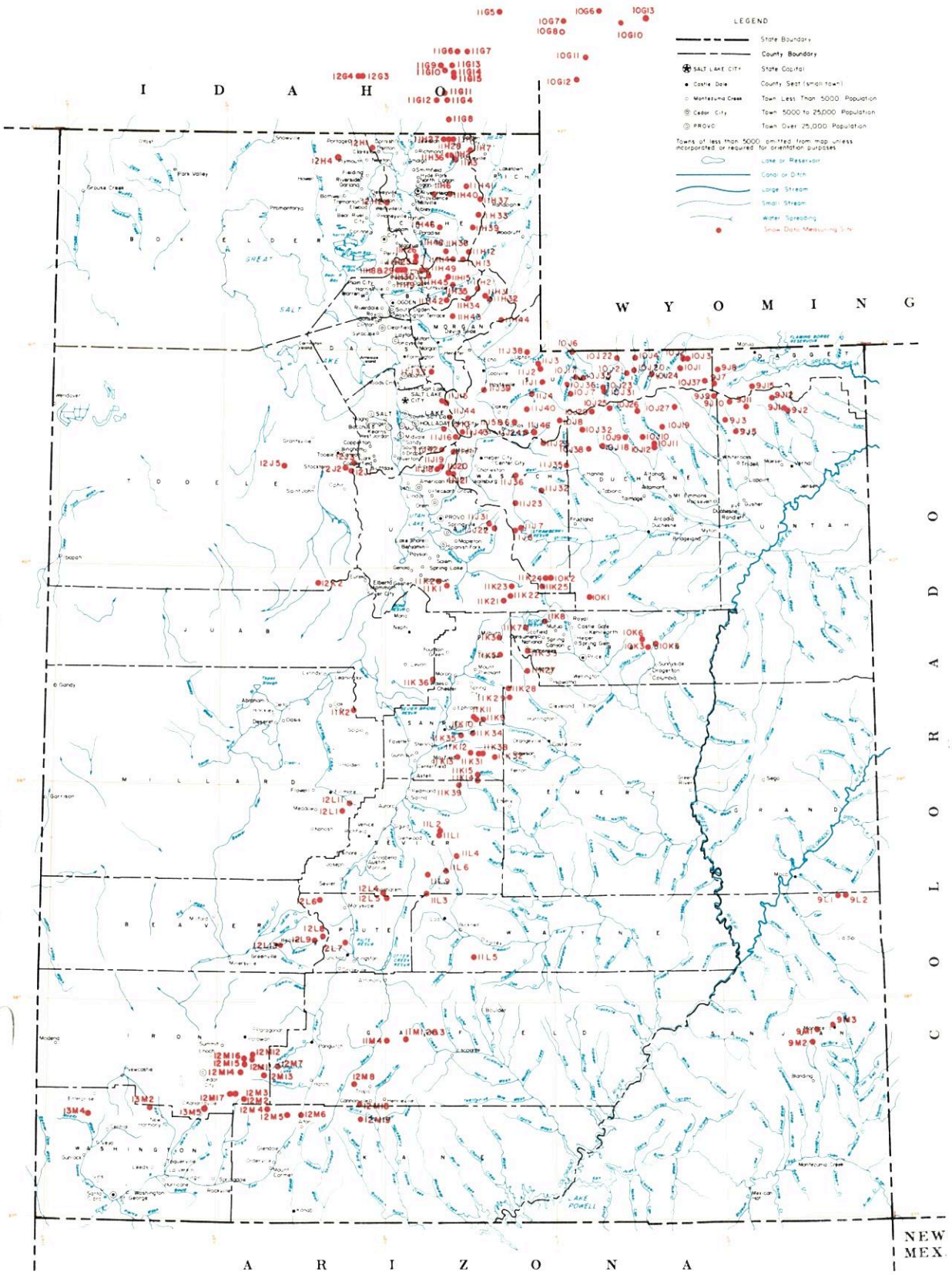
NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H45P	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M1B	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	23	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Bumt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Moiby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	3E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7m	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Telemetered Data Site



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,000,000

ALBERS EQUAL AREA PROJECTION

SNOW / PRECIPITATION (Inches)

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT. 1 TO DATE This Year	FROM APPROX. OCT. 1 TO DATE Average +	FROM APPROX. OCT. 1 TO DATE Percent of Average
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	12/29	0	0.0	7.9	-6.5	12/29	- -	- -	.85	7.43	11
Camp Jackson	12/29	0	0.0	5.9	-6.7	12/29	- -	- -	.50	6.68b	8
LaSal Mountain (lower)	12/29	0	0.0	3.9	-4.5						
LaSal Mountain (upper)	12/29	0	0.0	4.9	-7.6 / 6.6	12/29	- -	- -	1.50	5.45	28
ESCALANTE RIVER											
Widtsoe-Escalante Summit	12/27	0	0.0	2.2	3.1						
Widtsoe-Escalante #2	12/27	3	0.2	2.3	4.1						
Widtsoe-Escalante #3	12/27	5	0.6	4.0	5.1b	12/27	.12	- -	2.42	6.56	37
VIRGIN RIVER											
Kolob-Crystal	12/27	4	1.4	5.5	8.5						
Long Valley Junction	12/27	0	0.0	0.0	1.6						
Webster Flat	12/27	0	0.0	4.8	6.6b	12/27	- -	- -	3.35	8.50	39

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period

+ 1958-1972 period

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
						CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
COAL CREEK											
SUSC Ranch	12/28	0	0.0	3.2	- -						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Black's Fork G.S.-East Fork	12/27	6	0.8	3.1	- -	12/27	- -	- -	1.84	5.54	33
Black's Fork Junction	12/27	6	0.5	3.0	- -	12/27	- -	- -	1.48	2.23b	66
Buck Pasture		Not Measured									
Burnt Creek	12/29	5	0.5	2.5	- -	12/29	- -	- -	2.07	4.94b	42
Grizzly Ridge	12/29	4	0.3	4.3	- -	12/29	- -	- -	1.50	6.96b	22
Hewinta G.S.	12/27	6	0.9	2.9	- -	12/27	- -	- -	1.72	2.45	70
Hickerson Park	12/27	7	1.0	3.6	- -					2.59a	
Highline Trail	12/27	10	1.6	5.4	- -	12/27	- -	- -	1.85	- -	- -
King's Cabin (lower)	12/27	T	0.0	3.3	- -						
King's Cabin (upper)	12/27	4	0.3	4.1	- -	12/27	- -	- -	3.66	3.56b	103
Spirit Lake	12/27	10	1.7	4.5	- -	12/27	- -	- -	3.49	4.94b	71
Steel Creek Park	12/27	12	2.1	7.2	- -						
Trout Creek	12/27	5	0.8	4.9	- -						
DUCHESNE RIVER											
Brown Duck Ridge	12/28	5	0.5	7.0	- -						
Currant Creek	12/27	0	0.0	3.8	- -	12/27	- -	- -	.55	2.18	25
Daniels-Strawberry Summit	12/27	0	0.0	5.6	5.5	12/27	- -	- -	1.09	8.13	13
East Portal	12/30	0	0.0	4.0	4.4b	12/30	0.8	- -	1.11	8.92	12
Indian Canyon	12/27	4	0.4	3.8	5.3b	12/27	- -	- -	.74	6.71b	11
Jackson Park	12/28	4	0.3	4.5	- -	12/28	- -	- -	2.54	- -	- -
Lake Basin	12/28	1	0.2	8.0	- -	12/28	- -	- -	.41	- -	- -
Lakefork Mountain	12/28	1	0.1	3.6	- -	12/28	- -	- -	3.19	3.11	103
Lakefork Moutanin #2		Not Measured									
Lakefork Mountain #3	12/28	0	0.0	2.6	- -						
Mosby Mountain	12/28	2	0.1	3.4	4.6						
Paradise Park	12/28	0	0.0	5.9	5.8	12/28	- -	- -	2.01	8.30	24
Rock Creek Ranch	12/28	1	0.1	1.9	- -	12/28	- -	- -	1.88	2.18	86
Strawberry Divide	12/30	0	0.0	7.6	7.4b						
PRICE RIVER					33.1						
Dry Valley Divide	12/27	2	0.3	4.1	4.2b						
Jones Ranch	12/27	0	0.0	3.6	2.6b						
Mud Creek	12/27	2	0.4	4.2	5.4b	12/27	- -	- -	1.28	6.56	20
White River #1	12/27	4	0.5	4.2	-6.1	12/27	- -	- -	1.15	4.46	26
White River #2	12/27	1	0.1	3.5	- -						
White River #3	12/27	0	0.0	2.9	- -						
SAN RAFAEL RIVER											
Buck Flat	12/28	4	0.5	3.6	- -	12/28	- -	- -	1.80	5.68	32
Gooseberry Reservoir	12/29	1	0.1	6.9	7.2b	12/29	- -	- -	2.37	7.99	30
Huntington-Horseshoe	12/29	8	1.2	- -	- -						
Orange Olsen	12/28	0	0.0	0.0	- -	12/28	Molested			2.81a	
Red Pine Ridge	12/28	4	0.5	4.8	- -	12/28	- -	- -	2.13	6.32	34
Rush Pond	12/28	5	0.5	2.9	- -						
Seeley Creek	12/28	3	0.8	- -	-7.1						
Stuart R.S.	12/28	0	0.0	2.2	- -	12/28	- -	- -	1.14	3.94	29
Upper Joe's Valley	12/29	4	0.3	2.5	- -						
Wrigley Creek	12/28	2	0.2	2.8	- -						
MUDDY RIVER											
Black's Fork	12/28	4	0.5	3.6	- -						
Dill's Camp	12/28	2	0.2	2.8	-5.2	12/28	- -	- -	1.52	3.93a	38
FREMONT RIVER											
Black's Flat-U.M. Creek	1/5	11	1.5	2.6	- 5.0	1/5	- -	- -	2.79	3.69	76
Fish Lake	1/5	6	0.6	1.7	- -	1/5	- -	- -	2.35	2.56b	92
Johnson Valley	1/5	5	0.7	1.6	- -						

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
PROVO RIVER & UTAH LAKE (continued)											
Timpanogos Cave Camp	12/30	0	0.0	2.0	0.9b						
Timpanogos Divide	12/27	3	0.3	12.4	10.5	12/27	.15	- -	1.85	11.98	15
Trial Lake	12/28	5	0.5	9.2	10.5	12/28	- -	- -	1.72	10.07	17
JORDAN RIVER & GREAT SALT LAKE											
Beaver Creek Divide	12/28	3	0.2	4.6	- -						
Lamb's Canyon	12/27	4	0.6	8.4	5.8b						
Lamb's Canyon #2	12/27	6	0.2	7.8	- -						
Middle Canyon	12/29	8	1.8	7.6	5.7	12/29	- -	- -	2.80	7.28b	38
Mill Creek	12/27	4	0.8	9.4	- -						
Mill D South Fork	12/29	3	0.4	8.6	7.3						
Silver Lake (Brighton)	12/29	2	0.3	11.5	9.9	12/29	.24	4.80	1.50	12.44	12
Vernon Creek	12/29	0	0.0	4.2	- -	12/29	- -	- -	2.13	- -	- -
UPPER SEVIER RIVER (South of Richfield, UT)					8.4						
Box Creek	1/5	13	1.9	3.0	- -	1/5	- -	- -	3.18	3.74	85
Bruce Canyon	12/30	0	0.0	1.2e	1.9						
Castle Valley	12/27	2	0.6	3.8	- -	12/27	- -	- -	2.30	4.68	49
Duck Creek R.S.	12/27	0	0.0	3.8	5.2	12/27	- -	- -	2.35	8.37	28
Fairview	12/30	0	0.0	- -	- -						
Harris Flat	12/27	0	0.0	2.3	3.1						
Kimberly Mine	1/5	20	3.2	5.2	5.3b	1/5	- -	- -	3.99	7.46	53
Midway Valley	12/27	4	1.0	4.7	8.9	12/27	- -	- -	2.45	- -	- -
Panguitch Lake	12/27	0	0.0	1.6	- -	12/27	- -	- -	2.30	2.87	80
Rainbow Point	12/30	0	0.0	- -	- -						
Squaw Springs	1/5	8	0.7	1.2	- -						
Widtsoe R.S.						12/27	Molested			2.91	
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dam	12/28	6	1.6	2.9	4.2	12/28	Molested			5.42	
Farnsworth Lake	1/5	18	3.5	6.2	7.3	1/5	- -	- -	4.45	8.22	54
G.B.R.C. Headquarters	12/28	5	2.3	5.6	6.4	12/28	.62	3.10	2.65	8.80	30
G.B.R.C. Majors						12/28	.20	1.80	1.20	4.60	26
G.B.R.C. Meadows	12/28	12	3.0	8.3	8.6	12/28	.47	3.80	2.93	9.90	30
G.B.R.C. Oaks						12/28	.31	2.00	1.60	5.40	30
Gooseberry R.S.	1/5	13	1.7	4.4	4.7	1/5	- -	- -	3.35	7.99	42
Mammoth R.S.-Cottonwood Crk	12/29	2	0.2	6.8	8.0b	12/29	- -	- -	2.08	8.09b	26
Middle Fork		Not Measured									
Mt. Baldy R.S.	12/28	11	2.3	6.8	8.8	12/28	- -	- -	2.55	8.24b	31
Oak Creek		Not Measured									
Pickle Keg Springs	12/28	9	2.4	4.5	- -						
Pine Creek	1/5	23	3.9	- -	- -	1/5	- -	- -	6.70	- -	- -
Ree's Flat	12/29	8	1.2	- -	- -						
Shingle Mill	1/5	Not Measured		5.6	3.7b						
Thistle Flat	12/28	9	2.2	- -	- -						
BEAVER RIVER											
Beaver Canyon Power House						12/30	.16	- -	2.02	4.12	49
Big Flat	12/30	6	1.7	4.2	- -	12/30	- -	- -	2.55	4.86	52
Merchant's Valley (upper)	12/30	7	1.4	3.2	7.0	12/30	- -	- -	2.59	4.26	61
Otter Lake	12/30	6	1.1	3.7	- -						
PAROWAN CREEK											
Birch Crossing	12/28	1	0.1	3.0	- -						
Brian Head	12/27	9	2.2	8.3	9.5						
Ed Ward Flat	12/27	1	0.2	3.1	- -						
Tall Poles	12/28	8	1.2	4.0	- -	12/28	- -	- -	3.20	6.46a	50
Yankee Reservoir	12/27	3	0.6	3.0	- -	12/27	- -	- -	2.50	3.95	63
ENTERPRISE TO NEW HARMONY DRAINAGES			22.4		92.6						
Little Grassy Creek	12/27	0	0.0	1.6	- -					4.40	
Long Flat	12/27	0	0.0	2.7	- -	12/27	- -	- -	2.20	3.48	63

+ 1958-1972 period.

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT. 1 TO DATE This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	12/27	2	0.3	2.7	- -	12/27	- -	- -	1.12	3.35b	33
CCC Camp	12/29	6	0.8	5.0	4.9						
Hayden Fork	12/27	7	1.0	6.0	- -	12/27	- -	- -	2.25	6.00b	38
Monte Cristo R.S.	12/28	6	0.6	9.1	- -	12/28	- -	- -	2.34	7.92b	30
Salt River Summit	12/30	7	0.9	7.4	- -	12/30	.50	- -	.94	7.04	13
Stillwater Camp	12/27	6	0.5	4.5	- -	12/27	- -	- -	1.65	2.96	55
LOWER BEAR RIVER (Below Harer, Idaho)											
Cub River R.S.	12/27	0	0.0	4.3	- -						
Dry Basin	12/27	8	0.9	- -	- -						
Emigrant Summit	12/27	7	0.8	- -	9.6						
Emigration Canyon		Not Measured									
Franklin Basin	12/27	7	0.8	10.0	- -						
Garden City Summit	12/27	3	0.4	8.5	7.5a	12/27	- -	- -	1.36	8.82b	15
Horseshoe Basin	12/27	8	0.9	- -	- -						
Klondike Narrows	12/27	0	0.0	7.8	7.6b						
Liberty Springs	12/27	9	1.1	- -	- -						
Little Bear (lower)	12/28	0	0.0	5.7	4.7						
Little Bear (upper)	12/28	0	0.0	5.7	5.5						
Slug Creek Divide	1/4	16	3.3	7.1	- -						
Steep Hollow #1	12/27	8	1.2	16.0	14.8a						
Steep Hollow #2	12/27	0	0.0	10.5	9.6a						
Strawberry Creek		Not Measured									
Strawberry Mink Divide		Not Measured									
Tony Grove Lake	12/27	5	0.6	- -	16.2						
Tony Grove R.S.	12/27	0	0.0	4.5	4.6						
Willow Flat	12/27	0	0.0	6.6	- -	12/27	.11	- -	1.83	10.05b	18
OGDEN RIVER											
Beaver Creek-Skunk Creek	12/28	0	0.0	5.0	- -						
Ben Lomond Peak	12/28	2	0.2	15.0	13.7b						
Ben Lomond (lower)	12/28	0	0.0	5.9	5.5	12/28	- -	- -	.70	11.36	6
Causey Dam						12/28	- -	- -	1.21	6.49b	18
Cutler Creek	12/28	0	0.0	- -	9.9b						
Dry Bread Pond	12/28	0	0.0	7.0	-8.5	12/28	- -	- -	1.06	6.87	15
Sagebrush Flat	12/28	0	0.0	1.3	- -	12/28	- -	- -	1.37	4.86	28
WEBER RIVER											
Beaver Creek R.S.	12/28	0	0.0	3.9	3.7						
Chalk Creek #1	12/27	11	1.8	10.0	14.2						
Chalk Creek #2	12/27	11	1.5	7.7	6.5						
Chalk Creek #3	12/27	4	0.2	4.2	3.6	12/27	- -	- -	1.25	- -	- -
Farmington Canyon (lower)	12/28	0	0.0	12.7	8.6b	12/28	.60	- -	2.50	- -	- -
Farmington Canyon (upper)	12/28	5	0.4	15.6	11.9b						
Farmington G.S.						12/28	.58	- -	2.49	- -	- -
Horse Ridge	12/28	1	0.1	7.1	9.0	12/28	- -	- -	1.64	8.96b	18
Kilfoil Creek	12/28	0	0.0	6.3	6.0						
Lost Creek Reservoir	12/28	0	0.0	2.1	2.3			- -		3.87b	
Parleys Canyon Summit	12/27	4	0.4	9.2	7.5	12/27	- -	- -	.90	10.22	1
Redden Mine (lower)	12/28	5	0.5	7.7	8.6						
Redden Mine (upper)						12/28	- -	- -	1.77	- -	- -
Smith & Morehouse	12/27	5	0.5	6.2	6.4	12/27	- -	- -	1.70	8.36	20
					121.7						
PROVO RIVER & UTAH LAKE											
Camp Altamont	12/27	2	0.3	8.1	6.4						
Clear Creek Ridge #1	12/27	5	1.2	8.5	- -						
Clear Creek Ridge #2	12/27	6	0.8	7.3	8.4	12/27	- -	- -	1.25	- -	- -
Clear Creek Ridge #3	12/27	2	0.3	3.6	- -						
Dutchman R.S.	12/27	1	0.2	8.2	- -	12/27	- -	- -	1.35	8.27b	16
Hobble Creek Summit	12/27	1	0.2	7.5	- -	12/27	- -	- -	1.08	- -	- -
Packard Canyon	12/27	2	0.3	- -	- -						
Payson R.S.	12/29	10	1.9	9.4	7.0	12/29	- -	- -	2.35	8.21	29
Rock Bridge	12/29	8	1.5	6.6	4.8						
Soapstone R.S.	12/28	1	0.1	5.0	5.2	12/28	- -	- -	1.10	7.06	16
South Fork R.S.	12/30	1	0.1	3.5	2.4						

† 1958-1972 period.

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	1059.0	1095.2	944.4
	Woodruff Narrows	26.5	1.1	26.5	19.8b
Beaver River	Minersville (RkyFd)	23.3	5.8	9.3	9.6
Little Bear	Hyrum	15.3	10.2	10.2	9.2
	Porcupine	11.3	2.8	2.5	3.1b
Ogden	Causey	6.9	0.8	1.5	2.1b
	Pineview	110.1	52.4	57.4	38.2
Provo	Deer Creek	149.7	80.5	104.0	95.3
Sevier River	Gunnison	18.2	7.0	14.9	7.7
	Otter Creek	52.5	23.6	34.3	21.9
	Piute	71.8	13.7	27.0	29.8
	Sevier Bridge	236.0	94.7	137.9	70.1
Spanish Fork	Strawberry	270.0	202.6	236.6	110.9
Utah Lake	Utah Lake	883.9	687.5	894.2	519.7
Weber	East Canyon	48.1	29.0	37.0	17.6
	Echo	73.9	37.9	42.4	35.3
	Lost Creek	20.0	12.7	12.8	12.0b
	Rockport	60.9	27.4	49.8	30.1
	Willard Bay	193.3	137.9	154.2	102.6b
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	18.2	24.6	17.9b
Colorado	Blue Mesa	829.5	478.3	533.6	- -
	Lake Powell	25002.0	18477.0	20179.0	- -
Green	Flaming Gorge	3749.0	3129.3	3432.0	- -
Lakefork	Moon Lake	35.8	4.9	17.0	14.5
Price River	Scofield	65.8	29.3	43.2	27.8
San Juan	Navajo	1696.0	1205.0	1182.3	- -
San Rafael	Huntington North	3.9	1.9	2.3	1.5b
	Joe's Valley	54.6	36.3	46.6	29.8b
	Mill Site	16.7	1.3	4.5	- -
Strawberry	Starvation	165.3	136.8	141.0	- -
Uintah	Bottle Hollow	11.3	10.5	10.5	- -

USDA SCS-PORTLAND, OREG. 1969

WATER SUPPLY OUTLOOK

as of

JANUARY 1, 1977

* *
* Utah's spring and summer water supply outlook is poor, as Utah *
* enters the new year with a record low mountain snow pack. *
* Measurements in the last days of 1976 reported many snow courses*
* bare for the first time in their 30 to 40 year histories. Areas*
* that had measurable snow were only 10 to 20% of their 15 year *
* January 1 averages. Reservoir storage over the state is near *
* January 1 averages, however, many direct inflow facilities are *
* well below typical January 1 levels after a long dry summer and *
* fall. *
* *

SNOW COVER

Snow measurements taken in the last week of December 1976, resulted in new record low January 1 water contents throughout the state. Daniels-Strawberry Summit course in the Duchesne River drainage was bare this year for the first time in its 36 year history. Silver Lake (Brighton) reported it's lowest water content in 35 years with a reading of a modest 0.3 inches as compared with an average 9.9 inches. Thirty percent of the courses measured prior to January 1 were bare of snow. Improvements in moisture contents came with the storm front which crossed the state after the first of the year. Measurements taken since then indicate water contents approaching 50% of January 1 averages.

PRECIPITATION

Fall precipitation in Utah's mountains was also well below average for the October 1 to January 1 period. Most drainages ranged from 20 to 40% of average. King's Cabin (Upper) on the Upper Green River, was an exception with a catch at 103% of average. On the Upper Sevier River, Panguitch Lake reported a reading at 80% of average, while Duck Creek 28%.

RESERVOIR STORAGE

January 1 storage in Utah's irrigation reservoirs ranges from well below to above average depending on the facilities direct inflow abilities. Pineview reservoir is 137% of average while Causey is only 38%. The three major facilities in the Sevier River Basin (Otter Creek, Piute, and Sevier Bridge) contain 131,990 acre feet, or 109% of the 1958-72 average for January 1. Storage on the Weber River is 120% of average. Unless the mountain snow cover improves over the rest of the winter, many areas served by stored water may well experience shortages. Historically low January 1 snow course readings have meant a below average snow pack later in the year, with a resulting decrease in spring and summer stream flows.

USDA SCS PORTLAND OREG 1983

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GEORGE D. McMILLAN

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SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

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

Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

USDA-SCS-PORTLAND, OR. 1976 M7-L-22027B

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
FEB. 1, 1977

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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USDA-SCS-PORTLAND, OR 1976 M7-L-22027B

PROSPECTIVE WATER SUPPLIES

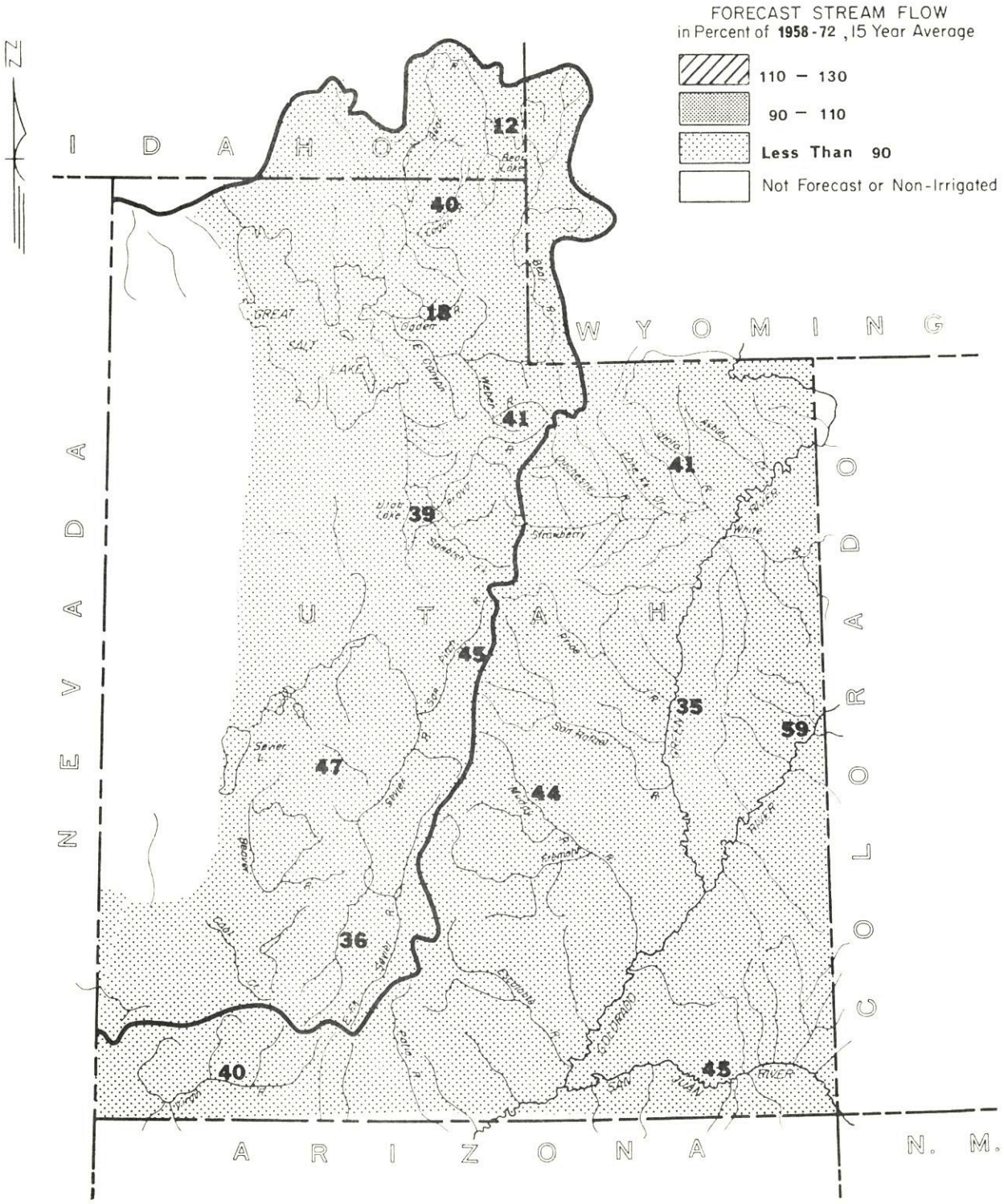
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

FEBRUARY 1, 1977

Approximate Date

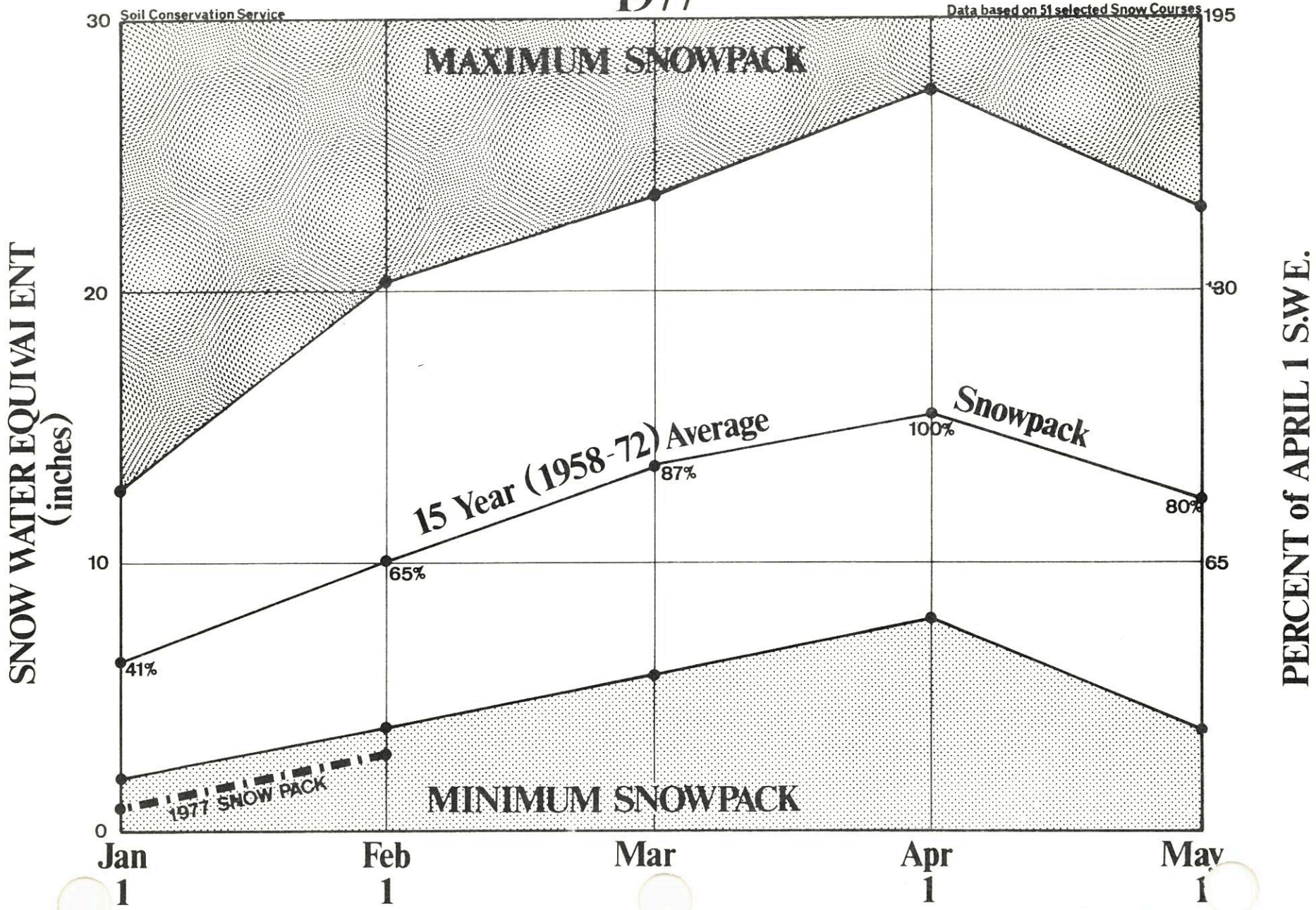
50 0 50 100

SCALE IN MILES



USDA SCS PORTLAND, OREG. 1970 M-2853

UTAH'S WINTER SNOWPACK
1977



WATER SUPPLY OUTLOOK

as of

FEBRUARY 1, 1977

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's water supply outlook is poor for those areas without  *
* adequate reservoir storage. Snow cover ranges from 11 to 39% *
* of the February 1 average. Reservoir storage is 115% of      *
* average but only 85% of last year at this time. Streamflow   *
* forecasts range from 5 to 65% of average for the April-July  *
* period.                                                      *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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SNOW COVER

Snow surveys taken the last week of January show only two-thirds as much water content as the previous record low snow pack in 1961. Snow cover ranges from 11% of the February 1 average on Lakefork and Yellowstone Creeks in Uinta Basin to 39% of average on the Beaver River. Bear, Logan, and Ogden Basins are 19% of average, Weber Basin is 24% and Provo-Utah Lake is 29%. Watersheds above Salt Lake City are about 25% of average. Strawberry River is 23%, Price River 16% and the San Rafael tributaries 26% of the February 1 average. The Sevier River Basin ranges from 26% on the East Fork to 38% on the Lower Sevier (San Pitch and Salina Creek). The Upper Sevier (South Fork) is 34% of average.

An average of 51 snow courses scattered over the state indicates we only have 16% of the April 1 average on the ground as of February 1 and we should have 65%. If maximum increases are received between now and April 1, we would still be 35% short of an average year. If the minimum increase is received, we would have less than half average snow water content on April 1.

PRECIPITATION

January precipitation at mountain stations ranged from 11 to 96% of the 15 year average. The total October-January catch, however, has been very low and ranged from 15 to 52% of average.

SOIL MOISTURE

Watershed soils are very dry as a result of low fall and winter moisture. This dry soil condition is expected to further reduce spring runoff.

RESERVOIR STORAGE

Storage in 23 of Utah's reservoirs is 115% of the February 1 average, but 15% less than last year at this time. Areas which have below average storage are Uinta Basin, Moon Lake 37% of average, and Steinaker 80% of average. Woodruff Narrows was estimated at about 7%, Causey 61%, and Deer Creek Reservoir 92% of the February 1 average. Minersville Reservoir is 65% of average, Piute is 63%, and Gunnison is only 14% of average. Other small reservoirs are reported as very low.

USDA SCS PORTLAND OREG 1983

WATER SUPPLY OUTLOOK (continued)

The Great Salt Lake level was 4200.50 feet above mean sea level, 0.30 feet lower than a year ago and 9.15 feet above the all time low of October 1963. The lake rose 0.05 feet during January.

STREAMFLOW FORECASTS

Streamflow forecasts, for the spring and summer period, range from a low 5% of average for the Duchesne at Randlett, to a high of 65% of average on Ephraim Creek. Most forecasts are near previous record low years of 1934 and 1961.

Bear River forecasts range from 8% of the April-July average at Randolph to 12% at Harer, Idaho, to 45% upstream at the Utah-Wyoming Line. Logan River is forecast 40% of average, Blacksmith Fork 29% and Little Bear 24% of the April-June average.

Inflow to Pineview Reservoir is expected to be 18% of the April-June average and the South Fork Ogden 30%. Weber River forecasts range from 41% at Oakley, 32% at Rockport, 24% at Coalville, Chalk Creek 16%, East Canyon 18% and Lost Creek 8%.

Streams along the Salt Lake front range from 12% on Parleys Creek to 51% on Little Cottonwood Creek. Provo River is forecast 25% at Hailstone and 17% at Deer Creek Dam. Strawberry Inflow is forecast 18%, Spanish Fork 14%, and American Fork 27% of the April-July average.

Sevier River forecasts range from 34% at Hatch, to 24% at Kingston, to 33% at Gunnison. Beaver River forecast is 36% at Beaver and only 16% for Minersville Inflow.

Virgin River is forecast 40% of average at Virgin, Santa Clara 47% and Coal Creek 48% of the April-July average.

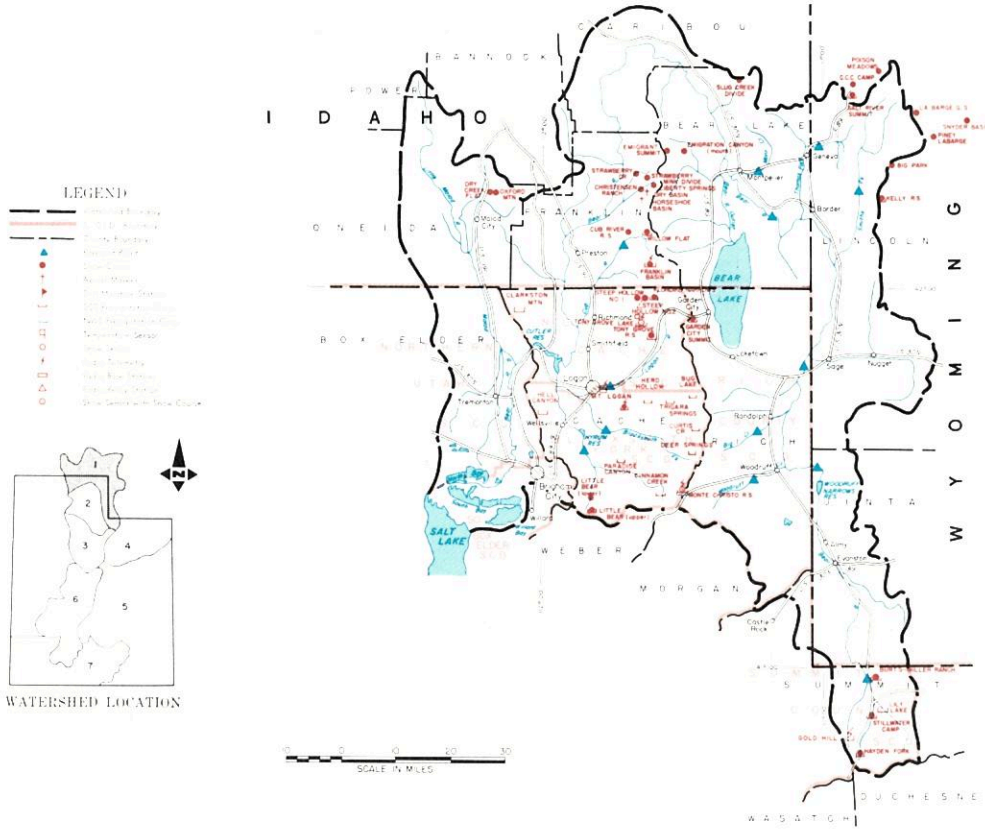
Price River is forecast at 28% for the Inflow to Scofield to 16% at Price. San Rafael tributaries range from 43% on Cottonwood Creek to 45% on Ferron Creek. Muddy Creek forecast is 44% and Seven Mile Creek below Fish Lake 59%. Mill Creek near Moab is forecast 45% of the April-July average.

Green River forecasts are 34% at Flaming Gorge to 35% at Green River. Colorado forecasts range from 59% at Cisco to 45% San Juan at Bluff, to 42% for Lake Powell Inflow.

Many of the above forecasts are near the previous record low runoff years of 1934 and 1961. All possible water conservation measures should be applied this season.

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, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 19% of the February 1 average on the Upper Bear to 22% on the Lower Bear River.

PRECIPITATION at mountain stations ranged from 17 to 66% of average for January and only 19 to 32% of average for the October-January period or one of the driest periods of record.

SOIL MOISTURE is below average. Soils are very dry under the snow pack.

RESERVOIR STORAGE is above the 15 year average, except at Woodruff Narrows, but below last year on February 1.

STREAMFLOW FORECASTS range from 8% of the April-July average for the Bear at Randolph to 45% for the Bear near Utah-Wyoming state line. Logan River is forecast at 40% of its' April-July average, Blacksmith Fork 29% and Little Bear 24% of the April-June average.

Report prepared by
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USDA SCS PORTLAND OR 1976 M7-OL-22027-1

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear at Harer, Idaho[1]	32	12	Apr-Sept	- -	271
Bear nr Randolph	8.3	8	Apr-July	85	102
Bear nr Ut-Wyo. State Line	50	45	Apr-July	80	112
Bear Nr Woodruff	25	19	Apr-July	108	130
Big Crk nr Randolph, Utah	0.8	19	Apr-July	- -	4.2b
Blacksmith Fork nr Hyrum	14.0	29	Apr-July	54	48
Little Bear Nr Paradise	8.0	24	Apr-June	37	34
Logan nr Logan[1]	45	40	Apr-July	114	113
Smith's Fork nr Border, Wyo.	40	34	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo State L	6.0	19	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, UT	4.8	31	Apr-July	13	15.4

1 - Observed flow corrected for change in storage and diversions
b - Average of all past record - less than 15 years
2 - Provisional Flow - Subject to Correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	14	25	22
UPPER BEAR RIVER	1	25	19
LOWER BEAR RIVER	13	25	22
LOGAN RIVER	5	21	19

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1030.6	1072.9	944.9
	Woodruff Narrows	26.5	1.5e	26.5	20.5b
LITTLE BEAR	Hyrum	15.3	10.8	10.2	9.9
	Porcupine	11.3	3.4	3.8	2.9b

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years
e - Estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

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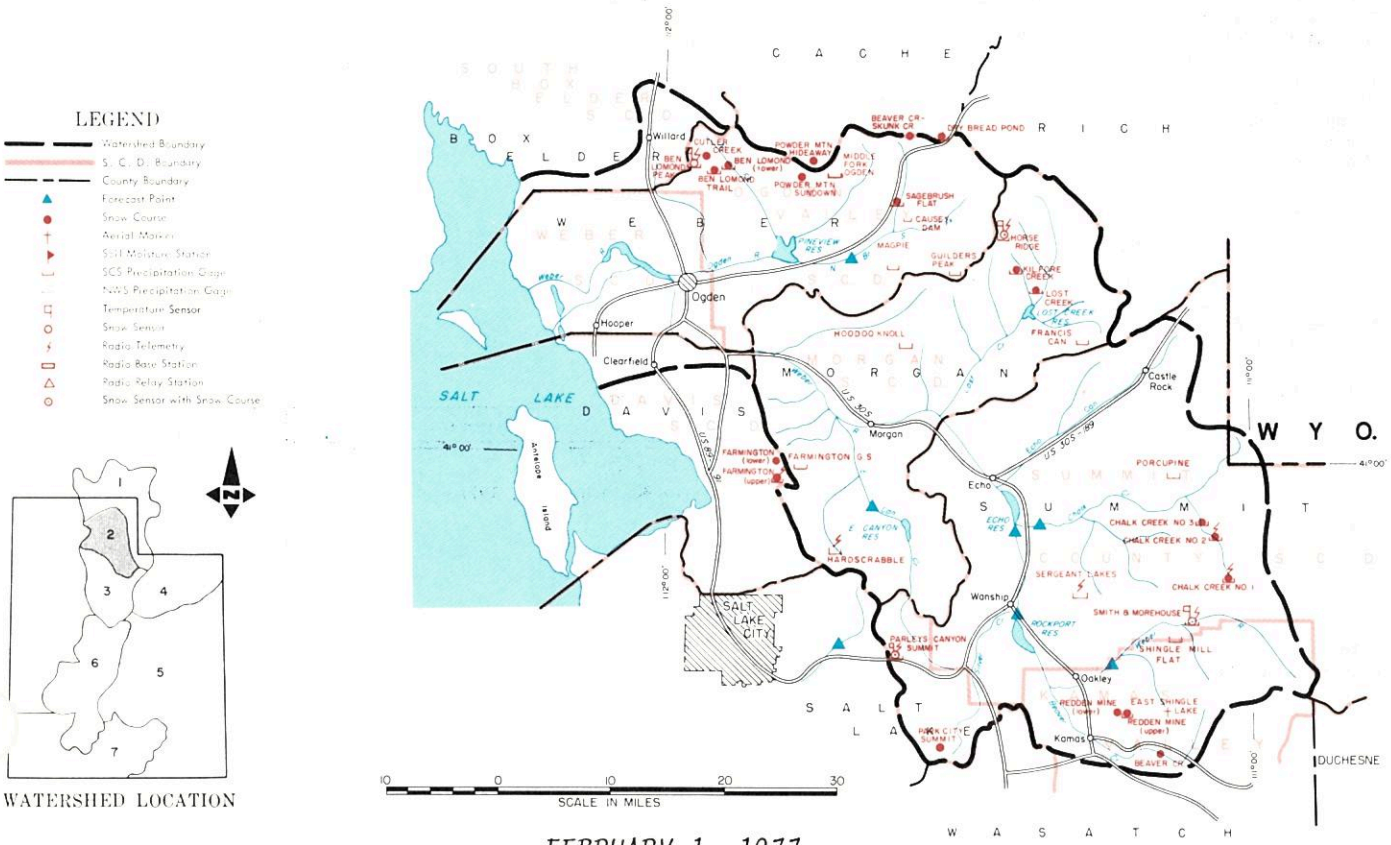
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

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



FEBRUARY 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER is only 19% of the February 1 average on the Ogden River and 24% on the Weber River.

PRECIPITATION at mountain stations range from 11 to 30% of the January average on the Ogden Basin and 15 to 44% on the Weber Basin. Precipitation from October 1 to February 1 has been one of the lowest totals of record and ranges from 13 to 17% on the Ogden and 18 to 28% on the Weber.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average but less than last year at this time. Water conservation measures will be necessary if any carryover is to be available for next year.

STREAMFLOW FORECASTS are near the 1961 low and now range from 8% of the April-June average on Lost Creek to 41% for the Weber at Oakley. Pineview Inflow and East Canyon are forecast at 18% and Chalk Creek at 16% of average. Rockport Inflow is expected to be 32% of its' April-June average and the Weber at Coalville 24% of average. Forecasts for this spring are just a little better than the flows received in 1961, the most recent record low year.

USDA SCS PORTLAND OR 1976 M7-OL-22027-2

Report prepared by
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WEBER-OGDEN WATERSHED in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Chalk Creek at Coalville	5.0	16	Apr-June	29	32
East Canyon Creek nr Morgan[1]	4.0	18	Apr-June	22	22
Hardscrabble Crk nr Portervlle	3.5	24	Apr-June	- -	14.4[b]
Lost Creek nr Croydon, Utah	1.2	8	Apr-June	10.9	13.7
Pineview Reservoir Inflow[2]	20	18	Apr-June	93	110
So. Fork Ogden nr Huntsville	15	30	Apr-June	43	50
Rockport Reservoir Inflow[1]	32	32	Apr-June	- -	101
Weber nr Coalville	27	24	Apr-June	- -	113
Weber nr Oakley	41	41	Apr-June	90	100
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	3.0	38	Apr-July	- -	7.8

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 record - less than 15 years
3 - Provisional Flow - Subject to Correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	6	20	19
WEBER RIVER	7	22	24

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
OGDEN	Causey	6.9	1.4	1.3	2.3[b]
	Pineview	110.1	53.6	50.5	40.1
WEBER	East Canyon	48.1	30.4	37.7	18.5
	Echo	73.9	41.5	42.9	39.1
	Lost Creek	20.0	12.7	13.2	12.4[b]
	Rockport	60.9	26.8	46.8	28.6
	Willard Bay	193.3	139.7	159.1	110.3[b]

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

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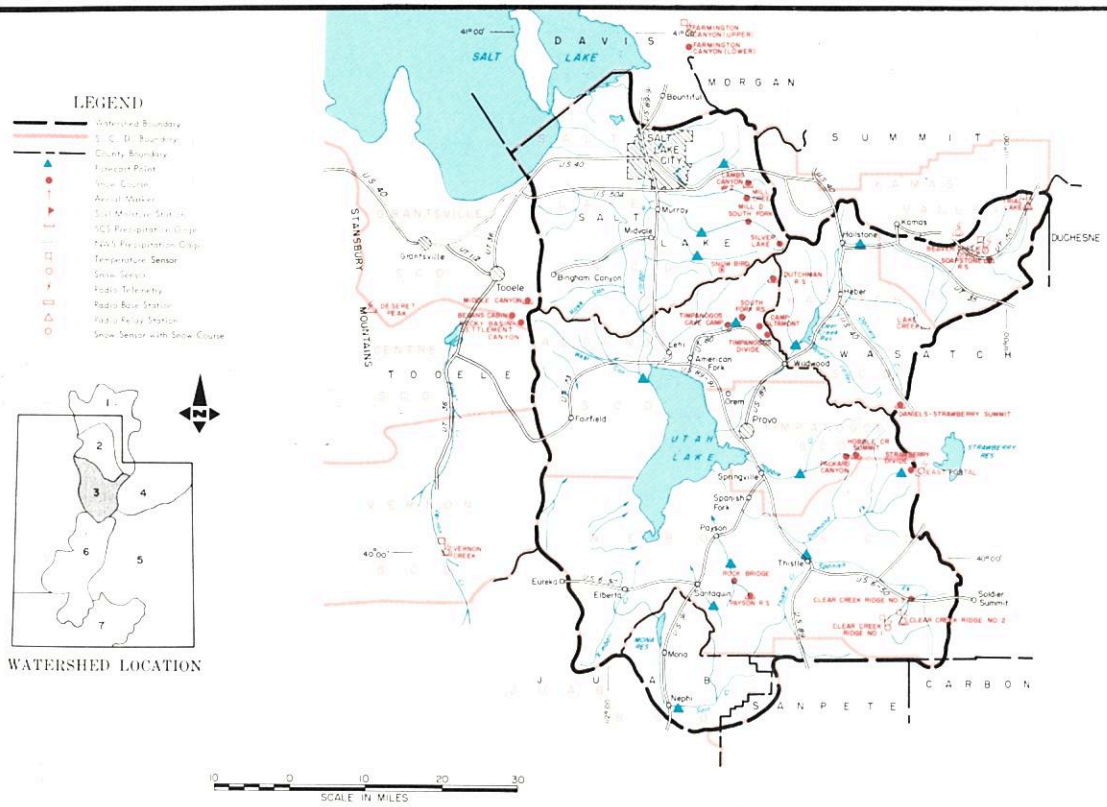
WATER SUPPLY OUTLOOK

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



FEBRUARY 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from 25% of the February average on the Jordan River and Salt Lake tributaries to 43% of average in Tooele Valley. Provo River is 29% of average.

PRECIPITATION at mountain stations ranged from 35 to 76% of the January average and 22 to 48% of average for the October-January period.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average in Strawberry and Utah Lake but below average in Deer Creek. All reservoirs are below last year at this time.

STREAMFLOW FORECASTS range from 9% of average on Hobble Creek to 57% on Vernon Creek and 51% on Little Cottonwood Creek. Provo River is forecast 25% at Hailstone, 17% at Deer Creek Dam, and Utah Lake Inflow 39% of average. Parleys Creek is forecast at 12% and Big Cottonwood 49%.

Report prepared by
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USDA-SCS-PORTLAND OR 1976 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHED in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER & UTAH LAKE					
American Fork nr American Frk	8.0	27	Apr-July	- -	29
Hobble Creek nr Springville	1.6	10	Apr-July	- -	16
Provo nr Hailstone[1]	26	25	Apr-July	107	102
Provo below Deer Creek Dam[1]	19.0	17	Apr-July	- -	111
Spanish Fork at Thistle	4.5	14	Apr-July	- -	32
Strawberry Reservoir Inflow[1]	8.0	18	Apr-July	38	45
Utah Lake Inflow	80	39	Apr-July	- -	208
Payson Creek nr Payson	2.2	35	Apr-July	- -	6.3
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	17.5	49	Apr-July	- -	36
Farmington Crk nr Farmington	3.0	38	Apr-July	- -	7.8
Little Cottonwood Crk nr SLC	18.0	51	Apr-July	- -	35
Parley's Creek nr SLC	1.4	12	Apr-July	- -	11.7
TOOELE VALLEY					
Settlement Creek nr Tooele	0.3	14	Apr-July	- -	2.2
Vernon Creek nr Vernon	0.4	57	Mar-July	- -	0.7

1 - Observed flow corrected for change in storage and diversions
2 - Provisional Flow - Subject to Correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	9	30	29
JORDAN RIVER & SALT LAKE	4	24	25
TOOELE VALLEY	1	36	43

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SPANISH FORK	Strawberry	270.0	204.9	240.6	113.6
UTAH LAKE	Utah Lake	883.9	731.3	920.9	563.0
PROVO	Deer Creek	149.7	87.0	102.3	94.7

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

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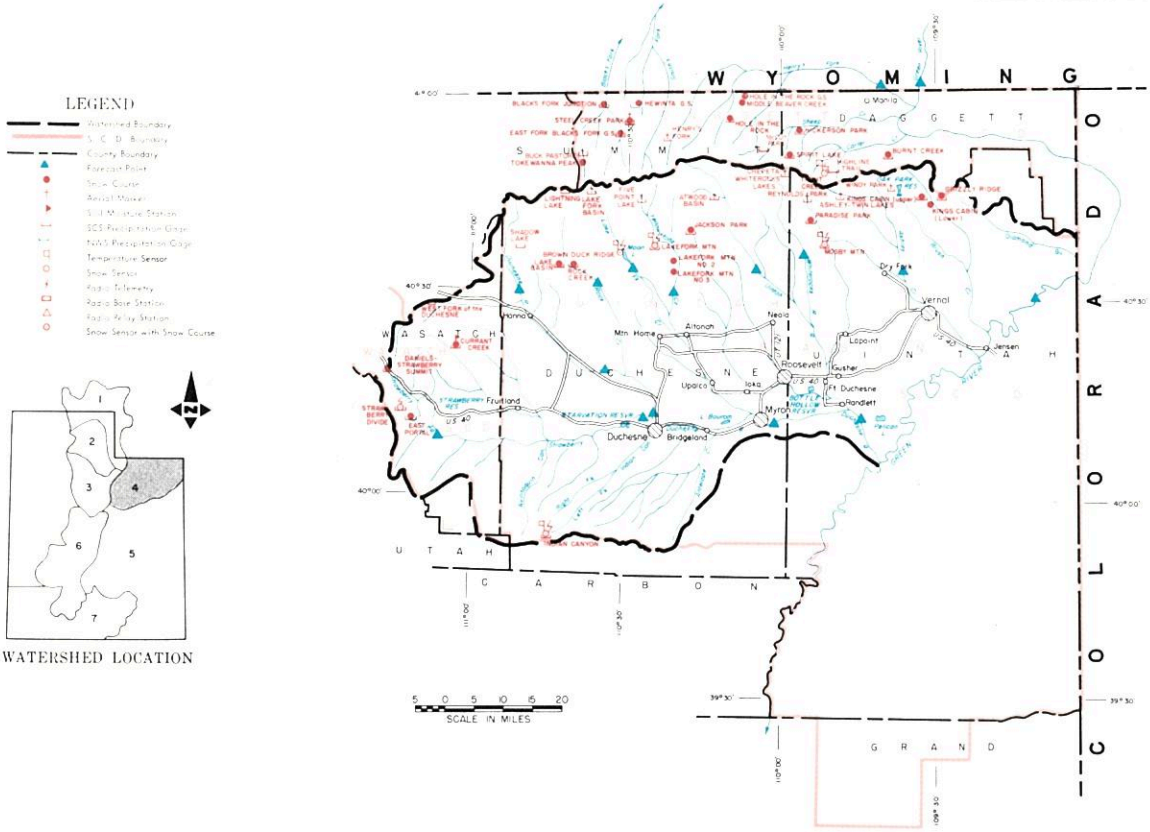
WATER SUPPLY OUTLOOK

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



FEBRUARY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 11% of the February 1 average on Lakefork-Yellowstone Creeks to 23% on the Upper Strawberry River. Uinta-Whiterocks Rivers are 15% of the February 1 average.

PRECIPITATION at mountain stations ranged from 45 to 70% of the January average and only 22 to 50% for the October-January total.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average and well below last year at this time.

STREAMFLOW FORECASTS range from 5% of average at Randlett to 53% for the Blacks Fork. Ashley Creek is forecast at 45% of its April-July average, Whiterocks 37%, Uinta 41%, Yellowstone 43%, Lakefork 41%, Rock Creek 43%, and the Duchesne Tabiona 34%.

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USDA SCS PORTLAND OR 1976 M7-OL-22027-4

UINTA BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona[1]	35	34	Apr-July	- -	104
Duchesne at Duchesne[1]	60	32	Apr-July	- -	185
Duchesne at Myton[1]	13.0	6	Apr-July	- -	205
Duchesne at Randlett[1]	15	5	Apr-July	- -	280
Lakefork below Moon Lake[1]	28	41	Apr-July	- -	69
Rock Creek nr Mtn. Home	40	43	Apr-July	- -	94
Strawberry at Duchesne	10.0	18	Apr-July	- -	56
Uinta nr Neola	36	41	Apr-July	59	88
Whiterocks nr Whiterock	22	37	Apr-July	47	58
Yellowstone nr Altonah	28	43	Apr-July	- -	65
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	22	45	Apr-July	44	50
Blacks Fork at Millburne	50	53	Apr-July	71	94
Flaming Gorge Inflow[1]	400	34	Apr-July	1329	1174
Henry's Fork at Linwood	12.0	24	Apr-Sept	- -	45

1 - Observed flow corrected for change in storage and diversions
2 - Provisional Flow - Subject to Correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	7	27	19
LAKEFORK-YELLOWSTONE CREEKS	2	24	11
STRAWBERRY RIVER	3	24	23
UINTA - WHITEROCKS RIVERS	2	27	15

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
ASHLEY CREEK	Steinaker	33.3	18.3	26.2	22.9b
GREEN RIVER	Flaming Gorge	3749.0	3017.0	3329.3	1641.0
LAKE FORK	Moon Lake	35.8	6.1	35.8	16.3
STRAWBERRY	Starvation	165.3	145.5	165.3	- -
UINTA	Bottle Hollow	11.3	10.6	11.3	- -

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

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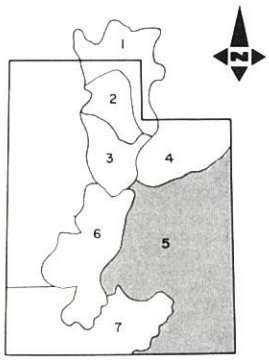
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

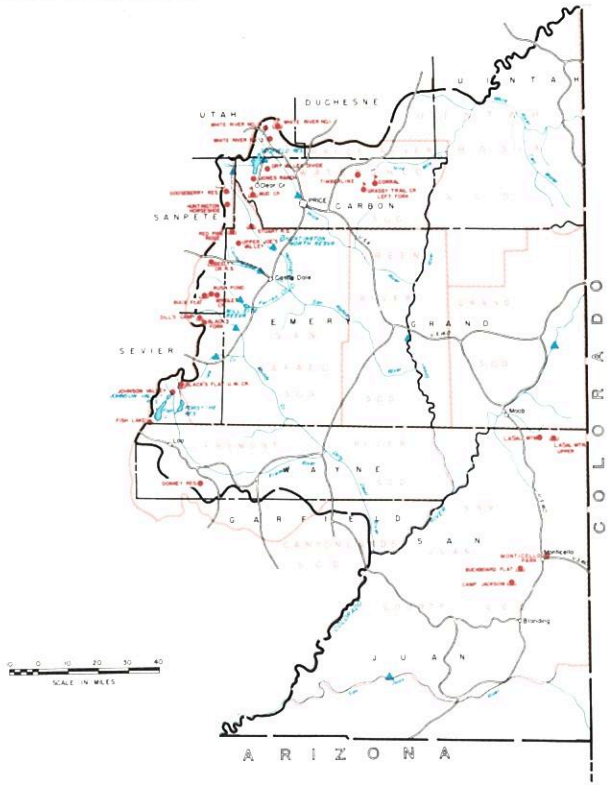
UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER is 16% of average on Price River and 26% on San Rafael tributaries.

PRECIPITATION at mountain stations ranged from 34 to 60% of the January average and only 26 to 39% of the October-January average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is near average but less than last year at this time.

STREAMFLOW FORECASTS range from 16% of the April-July average on Price River to 45% on Ferron Creek and Gooseberry Creek. Scofield Inflow is forecast at 28% of average, Cottonwood Creek 43% and Huntington Creek and Muddy Creek 44%. Mill Creek near Moab is forecast at 45% and Seven Mile Creek 59% of its April-July average. Most streamflow is expected to be near the previous low year of 1961.

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USDA SCS-PORTLAND OREG. 1975 M7-OL-22027-5

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

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	4.5	45	Apr-July	- -	10.0
Price nr Heiner[1]	10.0	16	Apr-July	- -	64[b]
Scofield Reservoir Inflow	9.5	28	Apr-July	- -	34
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	19.7	43	Apr-July	- -	46[b]
Ferron Creek nr Ferron	15.8	45	Apr-July	33	35
Huntington Crk nr Huntington	20	44	Apr-July	- -	45
MUDDY RIVER					
Muddy Creek nr Emery	7.5	44	Apr-July	- -	17.0
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	1673	59	Apr-July	2029	2835
Green at Green River, Utah	981	35	Apr-July	2251	2839
Navajo Reservoir Inflow	300	50	Apr-July	- -	597
San Juan nr Bluff, Utah	380	45	Apr-July	634	853
Mill Creek nr Moab	2.2	45	Apr-July	5.9	4.9
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	3.8	59	Apr-July	- -	6.4[b]

b - Average of all past record - less than 15 years
1 - Observed flow corrected for change in storage and diversions
2 - Provisional Flow - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	4	16	16
SAN RAFAEL RIVER	5	37	26

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
PRICE RIVER	Scofield	65.8	28.4	43.7	28.8
SAN RAFAEL	Huntington North	3.9	2.4	3.3	2.0[b]
	Joe's Valley	54.6	30.2	47.6	30.8
	Mill Site	16.7	1.5	5.2	- -
SAN JUAN	Navajo	1696.0	1145.3	1123.5	

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

UNITED STATES DEPARTMENT OF AGRICULTURE
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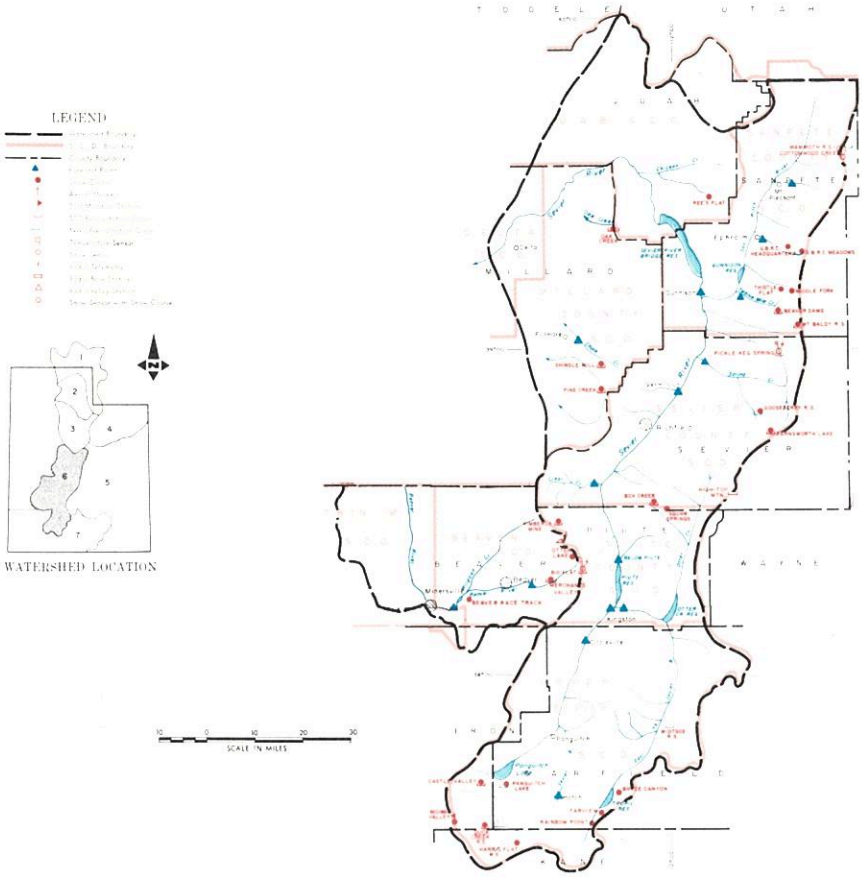
WATER SUPPLY OUTLOOK

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, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from 26% of the February 1 average on East Fork Sevier to 39% on Beaver River. The South Fork Sevier is 34% and the Lower Sevier-San Pitch 38%.

PRECIPITATION at mountain stations ranged from 20% of the January average on Clear Creek to 96% at one station on the San Pitch. The October-January period ranged from 34 to 52% of the 15 year average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is generally below average and much below last year at this time.

STREAMFLOW FORECASTS range from 16% of average for Minersville Inflow to 65% of average for Ephraim Creek. The Sevier at Hatch is forecast 34%, Circleville 36%, Kingston 24%, and Gunnison 33% of average. The East Fork Sevier is forecast 35% of average, Salina Creek 43% and Clear Creek 61%. Beaver River is forecast 36% of average and Chalk Creek near Fillmore 47% of the April-July average.

USDA SCS PORTLAND OR 1976 M7-OL-22027-6

Report prepared by
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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Chalk Creek nr Fillmore	7.3	47	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv Div)	9.1	61	Apr-July	11.0	15.0
East Fork Sevier nr Kingston[1]	5.0	35	Apr-July	- -	14.4
Antimony Crk nr Antimony	4.4	60	Apr-July	- -	7.3
Inflow					
Kingston to Vermillion Dam	17.4	35	Apr-June	- -	50
Vermillion Dam to Gunnison	21	54	Mar-June	- -	39
Salina Creek at Salina	3.5	43	Apr-June	3.1	8.1b
Sevier nr Circleville	10.0	36	Apr-July	- -	28
Sevier nr Gunnison	13.0	33	Apr-July	22	39
Sevier at Hatch	13.8	34	Apr-July	25	41
Sevier nr Kingston	5.0	24	Apr-July	7.9	21
Sevier below Piute Dam[1]	9.0	27	Apr-July	- -	33
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	9.0	65	Apr-July	- -	13.9b
Pleasant Creek nr Mt. Pleasant	3.5	45	Apr-July	- -	7.8
BEAVER RIVER					
Beaver nr Beaver	7.1	36	Apr-July	9.2	20
Minersville Reservoir Inflow	0.9	16	Apr-June	- -	5.8

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	2	43	26
South Fork Sevier	3	70	34
LOWER SEVIER RIVER	5	41	38
BEAVER RIVER	2	66	39

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SEVIER RIVER	Gunnison	18.2	1.4	16.8	9.8
	Otter Creek	52.5	27.0e	37.7	25.4
	Piute	71.8	23.5	36.1	37.2
	Sevier Bridge	236.0	106.0	154.4	83.2
BEAVER RIVER	Minersville (Rky Fd)	23.3	7.3	11.6	11.3

b - Average of all past record - less than 15 years
1 - Observed flow corrected for change in storage and diversions
e - Estimated
2 - Provisional Flow - Subject to Correction

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
To begin March 1, 1977		

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
SEVIER RIVER			
Below Vermillion Dam	37	55	April-Sept.
Circle Valley	35	65	April-Sept.
Panguitch Valley	60	82	April-Sept.
Sevier Valley	27	38	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 is expected to be 70,000 to 80,000 acre feet.

Below Vermillion - Flow above 360 second feet should total 200-400 acre feet.

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 Crk nr Sevier-above Div.	5	July 15	July 28
Salina Crk at Salina	25	May 26	June 10
Sevier at Circleville	90	May 21	June 24
Sevier at Hatch (upper)	100	May 24	July 10

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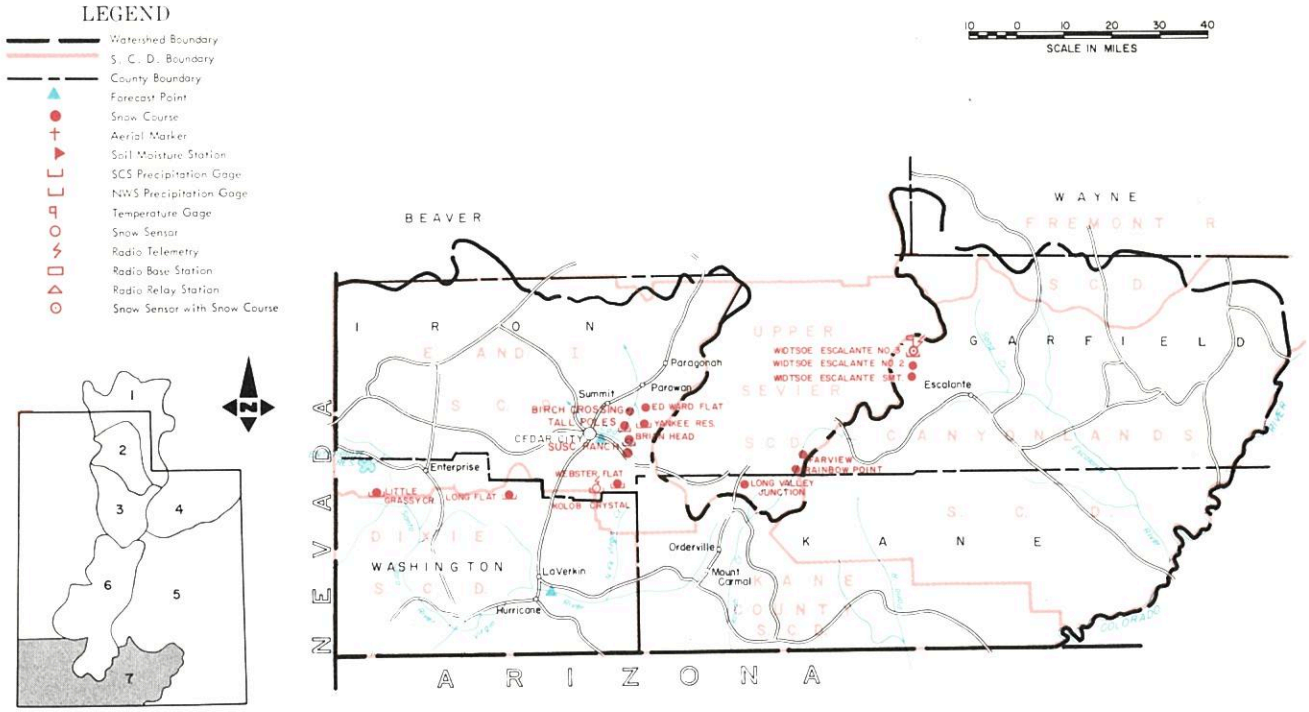
WATER SUPPLY OUTLOOK

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



FEBRUARY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER is 37% of the February 1 average on Virgin River and 36% on Coal Creek.

PRECIPITATION at mountain stations was about 80% of the January average but only 40 to 50% for the October-January period.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE in most small reservoirs is well below average. Lake Powell now has 18,018,000 acre feet or about 2,000,000 acre feet less than last year at this time.

STREAMFLOW FORECASTS range from 40% of the April-June average to 48% for Coal Creek. Santa Clara is forecast at 47% of average. Lake Powell Inflow is expected to be only 42% of the April-July average.

Report prepared by
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EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
VIRGIN RIVER					
Virgin nr Virgin	19.0	40	Apr-June	23e	48b
Santa Clara nr Pine Valley	1.7	47	Apr-June	2.2	3.6
COAL CREEK					
Coal Creek nr Cedar City	7.7	48	Apr-July	9.7	16.1
UPPER COLORADO					
Lake Powell Inflow	2900	42	Apr-July	5395	6881

2 - Provisional Flow - Subject to Correction
e - Estimated
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	70	36
VIRGIN RIVER	2	86	37

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
COLORADO	Lake Powell	25002.0	18018.0	20023.0	8401b
	Blue Mesa	329.5	416.1	470.4	- -

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

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1977		

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	2/1	21	3.9	12.8	13.3						
Burts-Miller Ranch	1/25	4	0.6	3.3	- -	1/25	.48	- -	1.60	- -	- -
CCC Camp	1/28	16	3.3	7.9	8.2						
Hayden Fork	1/25	14	2.2	8.3	- -	1/25	1.27	- -	3.52	- -	- -
Kelly R.S.	2/1	20	3.0	11.1	13.0a						
Monte Cristo R.S.	1/26	15	3.2	12.8	17.0b	1/26	1.60	9.56b	3.94	16.91b	23
Salt River Summit	1/27	18	3.6	10.4	- -	1/27	2.50	3.77	3.44	10.81	32
Stillwater Camp	1/25	11	1.5	5.5	- -	1/25	.62	- -	2.27	- -	- -
LOWER BEAR RIVER (Below Harer, Idaho)											
Christensen Ranch	1/25	13	2.2	6.1	5.9						
Cliff Canyon	1/25	Not Measured									
Cub River R.S.	1/25	14	2.4	7.7	5.8						
Daniels Creek	1/25	6	0.7	- -	- -						
Dry Basin	1/2	20	4.3	16.7	20.9a						
Dry Creek Flat	1/25	5	1.3	- -	5.3	1/25	- -	- -	2.60	- -	- -
Emigrant Summit	1/31	17	3.4	15.0	17.0b						
Emigration Canyon	1/31	12	2.5	6.9	7.8a						
Franklin Basin	1/25	18	3.8	17.6	- -						
Garden City Summit	1/25	11	2.1	10.7	11.9	1/25	1.73	3.86b	3.09	12.68b	24
Horseshoe Basin	1/25	19	4.0	14.7	17.3a						
Klondike Narrows	1/25	12	2.5	12.3	13.3	1/25	1.62	4.91b	3.09a	13.78b	22
Liberty Springs	1/25	24	5.5	24.4	22.6						
Little Bear (lower)	1/26	10	1.6	6.6	- -						
Little Bear (upper)	1/26	13	2.2	7.6	- -						
Lower Elkhorn	1/25	9	2.2	- -	9.8a						
Oxford Mountain	1/25	9	1.7	- -	6.9a						
Slug Creek Divide	2/1	14	2.9	12.0	11.5a						
Steep Hollow #1	1/25	23	5.1	24.1	25.4b						
Steep Hollow #2	1/25	16	3.2	16.7	18.8b						
Strawberry Creek	1/31	11	2.2	6.6	7.2						
Strawberry Mink Divide	1/25	16	3.1	12.3	14.4						
Tony Grove Lake	1/25	20	4.5	23.9	- -						
Tony Grove R.S.	1/25	10	1.7	7.5	8.8	1/25	1.47	4.36a	2.47	13.09a	19
Upper Elkhorn	1/25	12	2.5	- -	12.0a						
Willow Flat	1/25	13	2.3	10.7	10.5	1/25	2.16	4.81b	3.99	14.86b	27
Worm Creek	1/25	13	2.6	- -	- -						
OGDEN RIVER											
Beaver Creek-Skunk Creek	1/26	9	1.6	6.6	8.0						
Ben Lomond Peak	1/26	19	4.2	19.3	24.0b						
Ben Lomond (lower)	1/26	13	2.5	8.7	10.0	1/26	1.65	5.45	2.15	16.81	13
Causey Dam						1/26	.36	3.05a	1.57	9.07a	17
Cutler Creek	1/26	18	3.3	15.5	18.7b						
Dry Bread Pond	1/26	6	2.8	9.4	11.3	1/26	1.22	6.43b	2.28	13.30b	17
Sagebrush Flat	1/26	2	0.6	2.8	3.7	1/26	.50	4.47b	1.57	9.33	17
WEBER RIVER											
Beaver Creek R.S.	1/26	5	0.6	5.4	5.7						
Chalk Creek #1	1/25	20	3.6	12.7	- -						
Chalk Creek #2	1/25	17	2.6	9.5	8.8						
Chalk Creek #3	1/25	10	1.0	4.8	5.1	1/25	.80	5.35b	2.05	7.31b	28
Farmington Canyon (lower)	1/26	18	3.8	15.8	13.2b	1/26	2.66	- -	5.16	- -	- -
Farmington Canyon (upper)	1/26	19	4.4	19.6	17.5b						
Farmington G.S.						1/26	2.90	- -	5.39	- -	- -
Horse Ridge	1/26	12	2.6	10.4	- -	1/26	.56	- -	2.20	- -	- -
Kilfoil Creek	1/26	10	1.2	7.8	- -						
Lost Creek Reservoir	1/26	0	0.0	3.1	- -	1/26	.24	- -	- -	- -	- -
Park City Summit	1/26	18	4.6	- -	- -						
Parleys Canyon Summit	1/27	14	2.8	12.2	11.7	1/27	1.70	3.86	2.60	14.08	18
Redden Mine (lower)	1/26	14	2.6	9.5	- -						
Redden Mine (upper)						1/26	1.75	- -	3.52	- -	- -
Smith & Morehouse	1/25	13	1.7	8.4	8.6	1/25	1.15	3.26	2.85	11.62	24

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average +	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	1/26	10	1.4	7.5	- -						
Camp Altamont	1/25	10	2.1	9.0	10.0						
Clear Creek Ridge #1	1/27	13	3.3	10.6	- -						
Clear Creek Ridge #2		Not Measured		8.3	8.4						
Clear Creek Ridge #3	1/27	6	1.4	5.2	4.9						
Dutchman R.S.	1/25	13	2.7	9.8	- -	1/25	2.55	- -	3.90	- -	- -
Hobble Creek Summit	1/25	13	2.7	8.1	- -	1/25	2.24	- -	3.32	- -	- -
Packard Canyon	1/25	10	2.3	6.8	- -						
Payson R.S.	1/27	19	4.5	13.1	10.6	1/27	1.85	2.78	4.20	10.99	38
Rock Bridge	1/27	15	3.9	9.8	7.3						
Soapstone R.S.	1/26	9	1.5	6.8	8.2	1/26	1.10	3.13	2.20	10.19	22
South Fork R.S.	1/24	8	1.4	4.9	4.2						
Timpanogos Cave Camp	1/24	3	0.6	2.5	1.7						
Timpanogos Divide	1/25	13	3.6	14.4	16.3	1/28	2.20	4.73	4.05	16.72	24
Trial Lake	1/26	17	2.9	11.5	15.5	1/26	2.24	4.85	3.96	14.92	26
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon	1/27	12	2.7	11.0	9.7						
Lamb's Canyon #2	1/27	15	2.6	11.5	- -	1/27	1.25	- -	1.89a	- -	- -
Middle Canyon	1/26	15	3.4	9.4	8.0	1/26	2.00	2.62b	4.80	9.90b	48
Mill Creek	1/26	15	3.1	14.0	- -						
Mill D South Fork	1/28	10	2.6	12.0	12.5						
Mt. Dell Dam						2/1	.85	2.16	1.93	8.72	22
Silver Lake (Brighton)	1/28	14	2.6	15.6	15.4	1/31	2.06	5.29	3.56	17.73	20
Snow Bird (Gad Valley)											
Vernon Creek	1/29	8	1.2	5.1	- -	1/29	1.95	- -	4.08	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/25	15	2.9	5.0	- -	1/25	.70	- -	3.88	- -	- -
Bryce Canyon	1/28	6	1.0	1.5	2.8						
Castle Valley	1/24	11	2.1	4.3	- -	1/25	1.54	- -	3.84	- -	- -
Duck Creek R.S.	1/24	12	2.8	4.1	7.9	1/24	2.15	2.68	4.50	11.05	41
Farview	1/28	8	1.4	3.6	- -						
Harris Flat	1/24	9	1.6	2.7	5.3						
Kimberly Mine	1/25	21	4.2	7.0	- -	1/25	.57	2.88b	4.56	10.34b	44
Midway Valley	1/24	15	4.4	5.7	12.9	1/24	2.30	- -	4.85	- -	- -
Panguitch Lake	1/24	5	1.3	0.0	- -	1/24	1.30e	- -	3.60a	- -	- -
Rainbow Point	1/28	8	1.8	2.4	- -						
Squaw Springs	1/25	8	1.4	2.1	- -						
Widtsoe R.S.						1/31	.27	- -	1.34a	- -	- -
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/26	16	3.5	5.5	- -	1/26	.85	- -	2.53a	- -	- -
Farnsworth Lake	1/25	22	4.6	9.7	10.5	1/25	1.20	2.61	5.65	10.83	52
G.B.R.C. Headquarters	1/27	17	4.1	8.0	8.9	1/27	2.30	2.40	4.95	10.40	48
G.B.R.C. Majors						1/31	1.15	1.30	2.35	5.90	40
G.B.R.C. Meadows	1/27	22	4.7	12.3	12.3	1/27	2.53	3.20	5.46	13.10	42
G.B.R.C. Oaks						1/31	1.35	1.60	2.95	7.00	42
Gooseberry R.S.	1/25	17	3.5	6.2	6.4	1/25	.62	- -	3.97	- -	- -
Mammoth R.S.-Cottonwood Crk	1/27	12	2.3	11.1	12.6b	1/27	1.82	3.50b	3.90	11.59b	34
Middle Fork		Not Measured									
Mt. Baldy R.S.	1/26	23	4.5	10.2	- -	1/26	1.90	- -	4.45	- -	- -
Oak Creek	1/28	20	3.8	- -	- -	1/28	- -	- -	4.00	- -	- -
Pickle Keg Springs		Not Measured									
Pine Creek	1/25	25	5.4	7.6	- -	1/25	1.63	- -	8.33	- -	- -
Ree's Flat	1/27	15	2.7	- -	- -	1/27	1.53	- -	3.95	- -	- -
Shingle Mill	1/28	12	2.1	6.8	- -	1/28	- -	1.83b	4.31	8.14b	53
Thistle Flat	1/26	22	4.3	- -	- -						
BEAVER RIVER											
Beaver Race Track	1/25	0	0.0	0.0	- -						
Beaver Canyon Power House						1/31	.65	1.04	2.67	5.16	52
Big Flat	1/25	19	4.0	5.7	9.8	1/25	2.51	- -	5.06	9.47	53
Merchant's Valley	1/25	18	3.5	4.3	- -	1/25	2.12	- -	4.71	- -	- -
Otter Lake	1/25	17	2.9	4.7	7.8						

+ 1958-1972 period.

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average +	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
PAROWAN CREEK											
Birch Crossing	1/31	4	1.4	4.0	- -						
Brian Head	1/24	19	3.7	9.5	- -						
Ed Ward Flat	1/24	6	1.4	4.5	- -						
Tall Poles	1/31	14	4.0	6.1	- -	1/31	1.80	5.76a	5.00	12.22a	41
Yankee Reservoir	1/24	9	2.3	4.7	- -	1/24	.77	- -	3.27	- -	- -
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	1/24	6	1.8	0.0	- -						
Long Flat	1/24	5	1.0	3.0	- -	1/24	.95	- -	3.15	- -	- -
COAL CREEK											
Cedar City Golf Course	1/24	0	0.0	0.0	- -						
SUSC Ranch	2/1	5	2.0	3.0	5.1a						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Black's Fork G.S.-East Fork	1/25	11	1.7	4.5	- -	1/25	.84	- -	2.68	- -	- -
Black's Fork Junction	1/25	10	1.5	4.7	- -	1/25	.72	- -	2.20	- -	- -
Burnt Creek	1/28	9	1.0	3.8	- -	1/28	.73	1.53b	1.80	6.47b	28
Grizzly Ridge	1/28	9	1.5	5.8	- -	1/28	1.05	2.35b	2.55	9.31b	27
Hewinta G.S.	1/25	10	1.5	4.6	- -	1/25	.69	- -	2.41	- -	- -
Hickerson Park	1/25	11	1.9	4.9	- -	1/25	.50	- -	4.36	- -	- -
Highline Trail	1/25	14	2.5	6.9	- -	1/25	.80	- -	2.65	- -	- -
King's Cabin (lower)	1/25	5	0.9	4.3	- -						
King's Cabin (upper)	1/25	10	1.5	4.6	- -	1/25	.91	- -	4.57	- -	- -
Spirit Lake	1/25	15	2.9	6.6	- -	1/25	.84	- -	4.33	- -	- -
Steel Creek Park	1/25	20	3.4	10.0	- -						
Trout Creek	1/25	11	1.8	5.8	- -	1/25	.83	- -	- -	- -	- -
DUCHESNE RIVER											
Brown Duck Ridge	1/26	12	2.2	8.9	- -	1/26	1.04	- -	- -	- -	- -
Currant Creek	1/25	7	1.5	5.7	- -	1/25	1.35	- -	1.90	- -	- -
Daniels-Strawberry Summit	1/25	11	2.5	8.3	9.6	1/25	2.16	3.08	3.25	11.21	29
East Portal	1/31	9	1.2	6.4	6.8	1/31	1.61	3.56b	2.72	12.48b	22
Indian Canyon	1/25	12	1.8	4.3	7.8	1/25	1.40	2.36b	2.14	9.07b	24
Jackson Park	1/26	11	2.2	5.4	- -	1/25	1.16	- -	3.70	- -	- -
Lake Basin	1/26	6	1.2	11.7	- -	1/26	2.33	- -	2.74	- -	- -
Lakefork Mountain	1/26	5	0.7	3.8	6.8	1/26	1.03	- -	4.22	8.09b	52
Lakefork Mountain #2		Not Measured		- -	5.0						
Lakefork Mountain #3	1/26	5	0.5	- -	4.3						
Mosby Mountain	1/26	8	1.2	3.6	6.5	1/26	1.12	2.03a	- -	7.18a	- -
Paradise Park	1/26	5	1.0	4.7	8.4	1/26	1.18	2.42b	3.19	10.72b	30
Rock Creek Ranch	1/26	5	0.9	3.3	- -	1/26	.85	- -	2.73	- -	- -
Strawberry Divide	1/31	14	2.6	11.1	11.4						
PRICE RIVER											
Dry Valley Divide	1/26	8	1.4	5.9	6.5						
Gooseberry Reservoir	1/27	10	1.7	10.5	10.9	1/27	1.83	3.07	4.20	11.06	38
Jones Ranch	1/26	4	0.5	5.1	4.1						
Mud Creek	1/26	8	1.1	7.1	8.4	1/26	1.02	2.30	2.30	8.86	26
White River #1	1/25	9	1.9	7.7	- -	1/25	1.30	- -	2.45	- -	- -
White River #2	1/25	7	1.5	6.3	- -						
White River #3	1/25	5	1.3	4.7	- -						
SAN RAFAEL RIVER											
Buck Flat	1/26	14	2.9	6.8	9.6	1/26	2.20	- -	4.00	10.32	39
Huntington-Horseshoe	1/27	17	3.5	12.6	- -						
Orange Olsen	1/26	0	0.0	0.0	- -	1/26	.95	- -	2.01a	- -	- -
Red Pine Ridge	1/26	13	2.5	8.4	10.2	1/26	2.02	5.86b	4.15	12.40	33
Rush Pond	1/26	14	2.0	4.6	8.3						
Seeley Creek	1/27	7	1.0	6.0	- -	1/27	2.45	- -	- -	- -	- -
Stuart R.S.	1/26	4	0.5	- -	- -	1/26	.86	- -	2.00	- -	- -
Upper Joe's Valley	1/26	9	1.6	4.5	6.0						
Wrigley Creek	1/26	11	1.7	4.3	6.5						

+ 1958-1972 period.

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

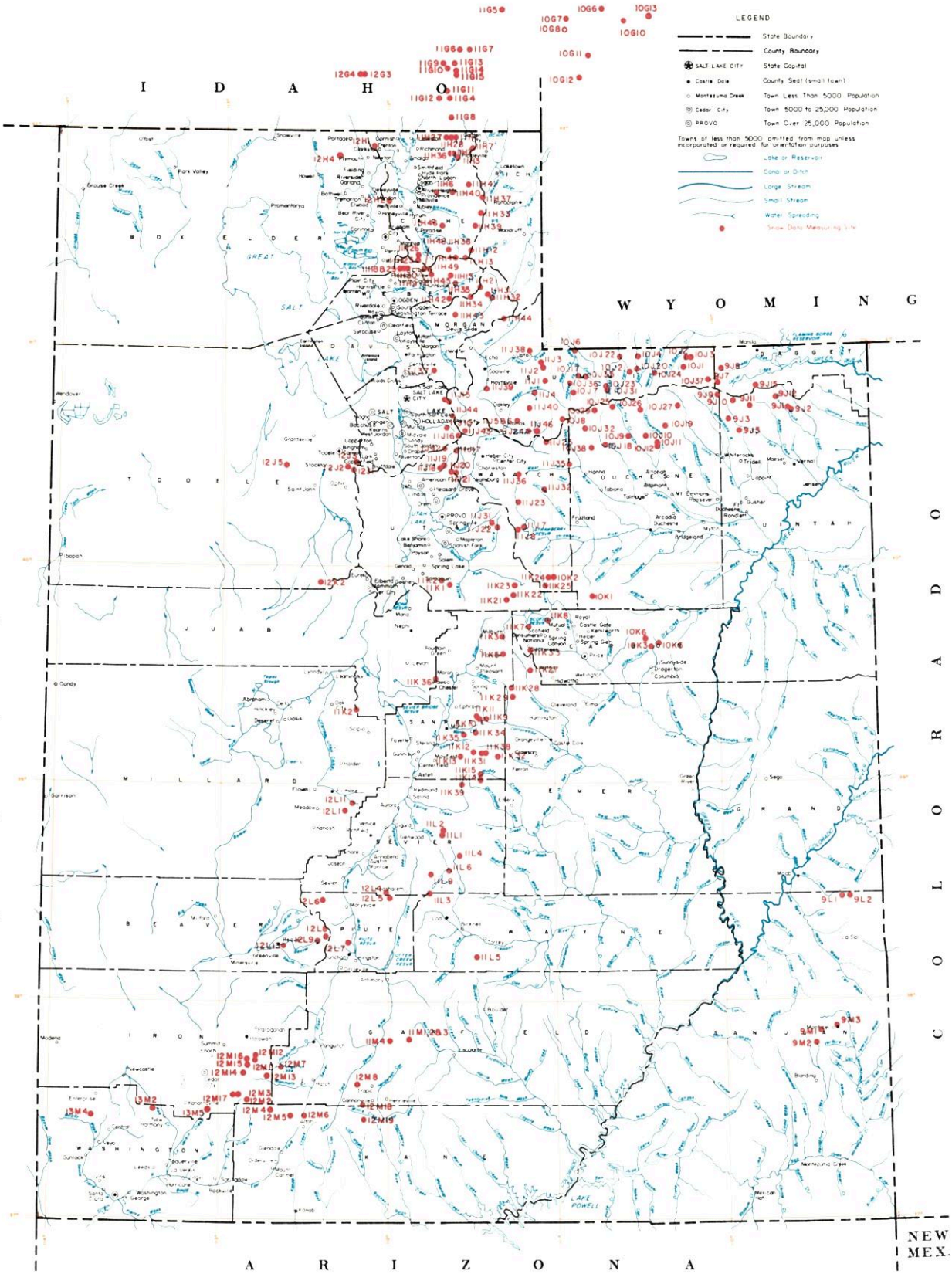
SNOW / PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches) Last Year	PAST RECORD: Water Content (Inches) Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT. 1 TO DATE: This Year	FROM APPROX. OCT. 1 TO DATE: Average +	FROM APPROX. OCT. 1 TO DATE: Percent of Average
MUDDY RIVER											
Black's Fork	1/26	12	2.4	5.2	- -						
Dill's Camp	1/26	9	1.6	5.0	- -	1/26	1.68	- -	3.20	- -	- -
FREMONT RIVER											
Black's Flat-U.M. Creek	1/25	12	2.1	- -	- -	1/25	.26	- -	3.05	- -	- -
Fish Lake	1/25	6	1.3	- -	- -	1/25	.28	- -	2.63	- -	- -
Johnson Valley	1/25	5	1.0	- -	- -						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/26	8	1.6	- -	- -	1/26	1.40	- -	2.25	- -	- -
Camp Jackson	1/26	12	1.9	- -	- -	1/26	2.65	- -	3.15	- -	- -
LaSal Mountain (lower)	1/27	7	0.8	4.9	- -						
LaSal Mountain (upper)	1/27	13	2.4	7.1	- -	1/26	2.10	- -	3.60	- -	- -
Monticello City Park	1/28	0	0.0	- -	- -						
ESCALANTE RIVER											
Widtsoe-Escalante Summit	1/31	3	0.6	2.2	4.0						
Widtsoe-Escalante #2	1/31	7	0.6	2.8	5.4						
Widtsoe-Escalante #3	1/31	9	1.4	4.1	6.6b	1/31	.82	1.28	3.24	7.84	41
VIRGIN RIVER											
Kolob-Crystal	1/24	15	3.4	6.9	- -						
Long Valley Junction	1/24	5	1.2	0.0	3.5						
Webster Flat	1/24	11	3.6	5.6	9.4	1/24	2.73	3.25	6.08	11.75	52

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H45P	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
11[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	7	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
[illegible]	[illegible]

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1977

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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In Cooperation with

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

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor
and
KENNETH C. JONES, Assistant Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

USDA-SCS-PORTLAND, OR. 1976 M7-L-22027B

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

MARCH 1 1977

Approximate Date

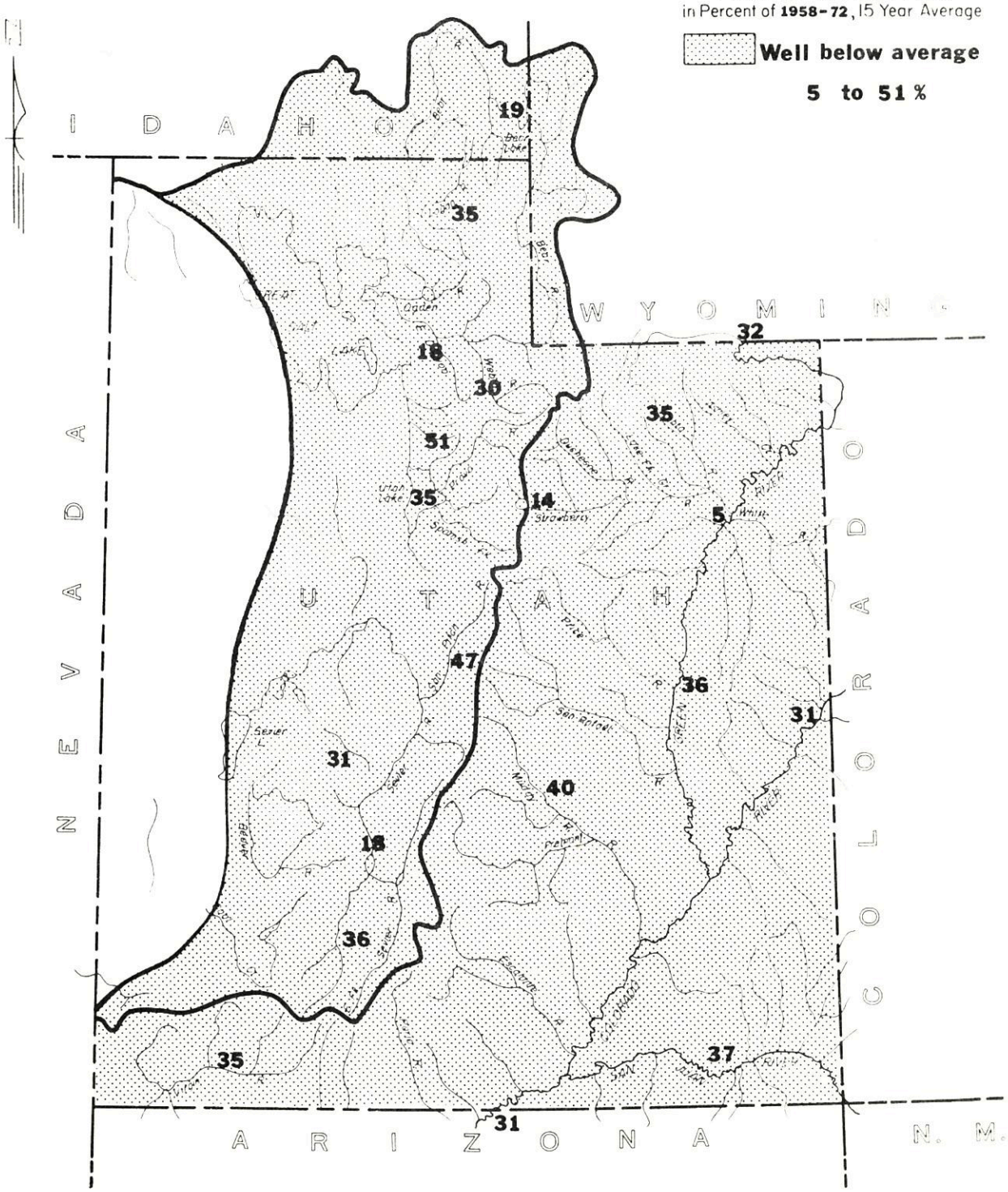
50 0 50 100

SCALE IN MILES

FORECAST STREAM FLOW
in Percent of **1958-72**, 15 Year Average

Well below average

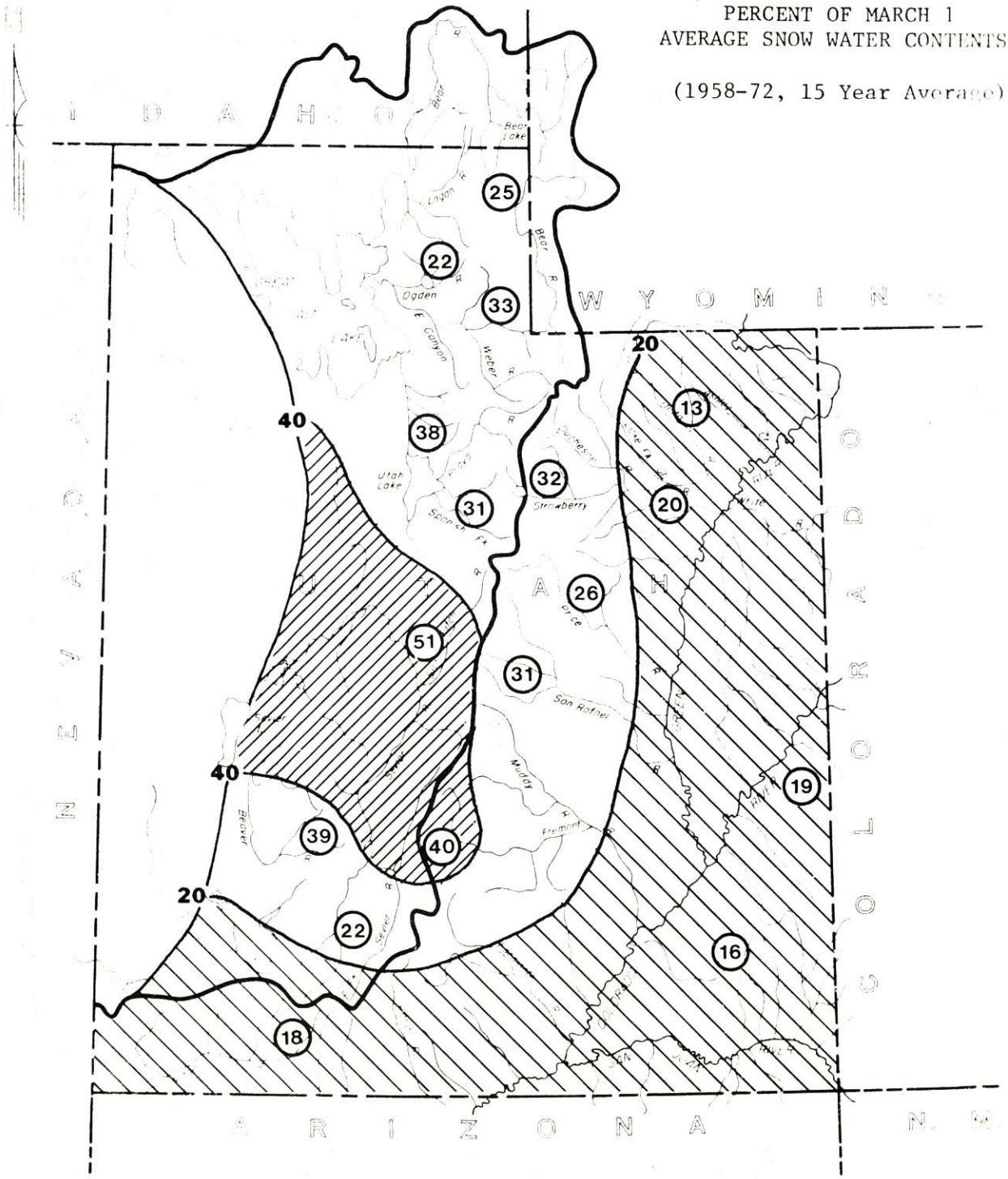
5 to 51 %



SNOW COVER

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

March 1, 1977
Approximate Date



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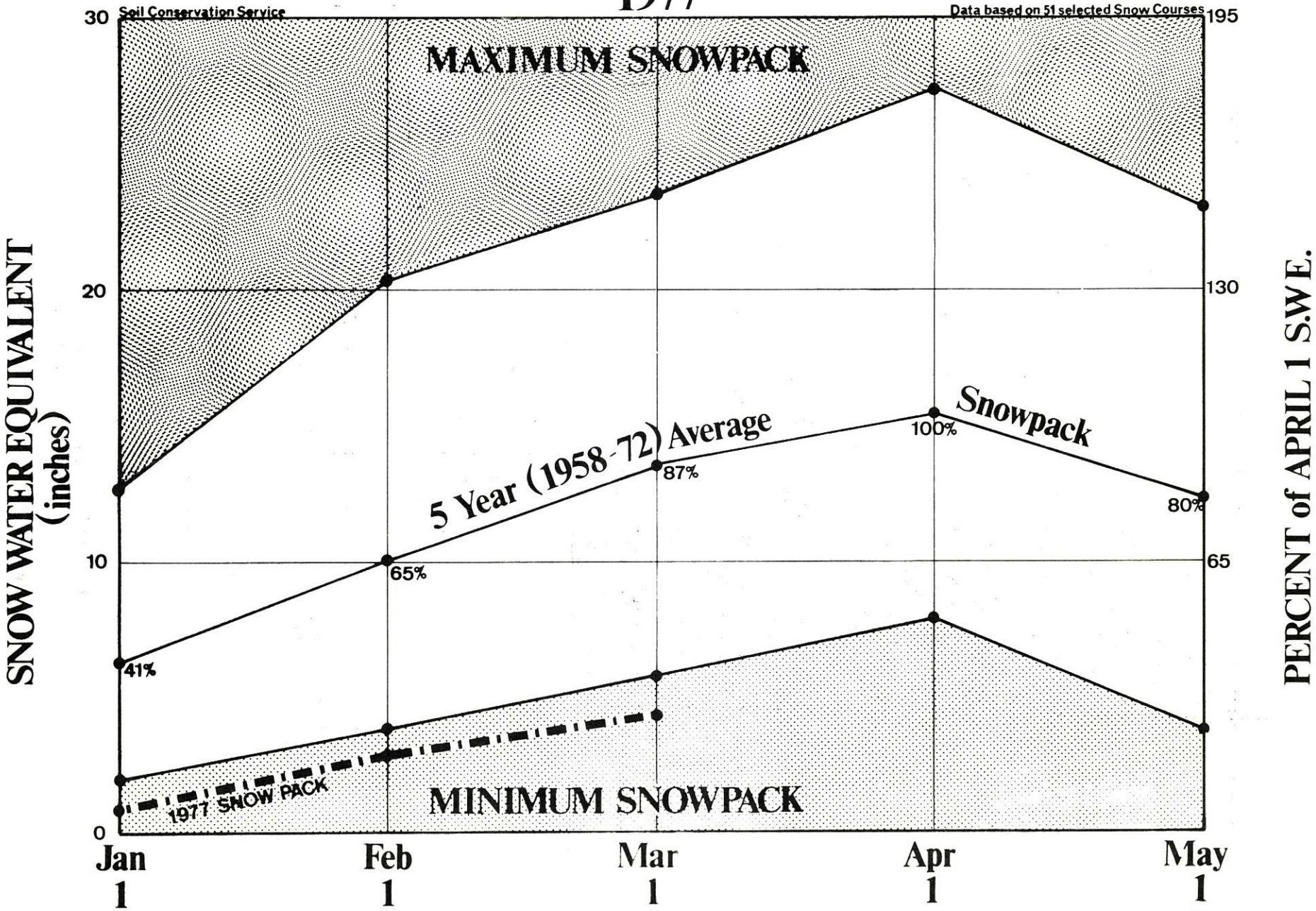
UTAH'S WINTER SNOWPACK
1977



WATER SUPPLY OUTLOOK

as of
MARCH 1, 1977

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* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah's water supply outlook is still poor for those areas *
* not on reservoir storage.  Snow cover ranges from 1 to 51%*
* of the March 1 average.  Reservoir storage is now 114% of *
* the March 1 average, but much less than last year at this *
* time.  Streamflow forecasts range from 5 to 51% of the    *
* April-July average.                                       *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

SNOW COVER

Snow measurements taken the last week of February show water contents below previous record lows except on the Virgin and Fremont Rivers. Statewide snow cover is 28% of the March 1 average and ranges from 1% on the Enterprise-New Harmony drainages to 51% on the Lower Sevier. In general, the eastern third and southern quarter of the state have less than 20% of the March 1 average snow water contents. A band including northern and central Utah, the Upper Sevier and Beaver Rivers have 20 to 40% of average while an area of the Lower Sevier and Fremont Rivers are 40 to 51% of average.

By March 1, Utah should have 87% of an average years' snow water. This year, an average of 51 snow courses shows only 27% on the ground as of March 1. We would need very heavy, continuous storms to make up this 60% deficit by even May 1.

PRECIPITATION

Mountain precipitation stations ranged from 15 to 103% of the February average. The October-February totals ranged from 18 to 83% of average.

SOIL MOISTURE

Watershed soils still have well below average moisture.

RESERVOIR STORAGE

Storage in 24 of Utah's reservoirs is 114% of the March 1 average, but well below last year at this time. Many smaller reservoirs are below average at this time.

STREAMFLOW FORECASTS

Forecasts of spring and summer streamflow were reduced as much as 20% from February 1. Many forecasts are below 1961 low year and approaching the record low of 1934.

Forecasts now range from 5% of average for the Duchesne at Randlett, to 51% for Little Cottonwood Creek near Salt Lake. Weber River at Oakley is forecast 41% of average, Pineview Inflow 18%, Bear River at Utah-Wyoming Line 36%, Bear at Harer 10%, Logan River 35%, Blacksmith Fork 29%, and Little Bear 24%. Lost Creek near Croydon is forecast at 8% of the April-June average, East Canyon 18%, and Chalk Creek 16%.

WATER SUPPLY OUTLOOK (continued)

Streams above Salt Lake now range from 12% for Parleys Creek to 51% for Little Cottonwood.

Provo River is forecast 25% at Hailstone and 17% below Deer Creek Dam, American Fork 27%, Hobble Creek, Spanish Fork, and Strawberry Inflow are each 14% of the April-July average.

Uintah Basin streams are forecast from 5% for Duchesne at Randlett to 41% for Lakefork and Rock Creeks. Ashley Creek is forecast 37%, Whiterocks 33%, Uintah 35%, Yellowstone 40%, Duchesne at Tabiona 27%, and Strawberry River 11%.

Price River forecasts range from 24% for Scofield Inflow to 16% at Heiner.

San Rafael forecasts range from 38% on Huntington Creek to 41% on Ferron Creek. Muddy Creek is forecast 40%, and Seven Mile Creek below Fish Lake 47% of the April-July average.

Mill Creek above Moab forecast is 41% of average. Virgin River is forecast 35%, and Coal Creek 34% of average.

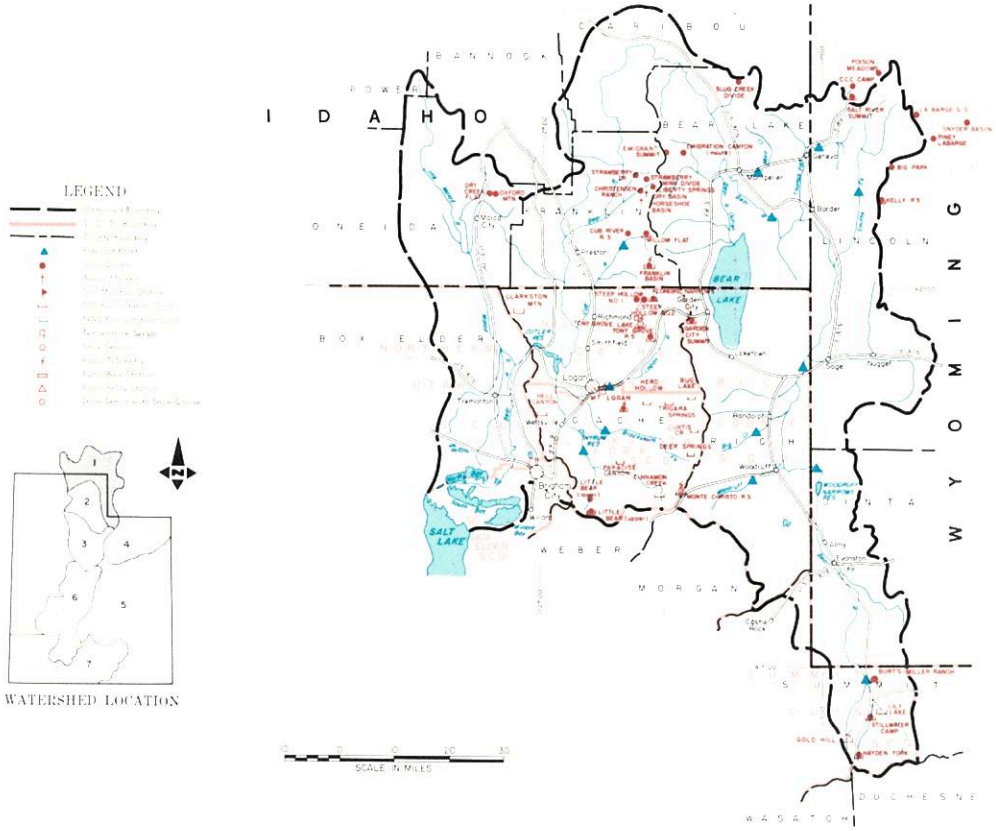
The Sevier River is forecast 34% at Hatch, 36% at Circleville, 16% at Kingston, and 33% at Gunnison. Clear Creek is expected to be 31% and Salina Creek 16%.

Beaver River is forecast 36% of average near Beaver, but only 16% of average for Minersville Inflow.

Water users without good carryover reservoir storage are expected to have limited water supplies this season. Water conservation practices should be applied which will produce the most from a short, early runoff.

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



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER is 25% of the March 1 average on Bear River and 26% on Logan River. Snow cover improved only 3-6% during February. Most water content readings are below previous minimums of 1961.

PRECIPITATION at mountain stations ranged from 15 to 63% of the February average and is still generally less than 30% of average for the October-February period.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average except at Woodruff Narrows.

STREAMFLOW FORECASTS have been reduced 3 to 9% since February 1, and now range from 8 to 35% of average for the April-July runoff period. The Bear River, at Utah-Wyoming line is now 36% of average, at Harer, Idaho 10%, Logan River 35%, and Little Bear 24%. Most streamflow is expected to be near the previous minimums of 1961.

Report prepared by
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USDA-SCS PORTLAND OR 1976 M7-OL-22027-1

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear at Harer, Idaho 1	30	10	Apr-Sept	- -	297
Bear nr Randolph	8.3	8	Apr-July	85	102
Bear nr Ut-Wyo. State Line	40	36	Apr-July	80	112
Bear nr Woodruff	25	19	Apr-July	108	131
Big Creek nr Randolph, Utah	0.8	19	Apr-July	- -	4.2b
Blacksmith Fork nr Hyrum	14	29	Apr-July	54	48
Little Bear nr Paradise	8.0	24	Apr-June	37	34
Logan nr Logan 1	40	35	Apr-July	114	113
Smith's Fork nr Border, Wyo.	35	30	Apr-Sept	- -	116
Thomas Fork nr Ut-Wy State Ln	6	19	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, UT	3.7	24	Apr-July	13	15.4

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	23	- -	25
UPPER BEAR RIVER	2	- -	25
LOWER BEAR RIVER	21	- -	25
LOGAN RIVER	4	- -	26

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1040.3	1049.4	958.3
	Woodruff Narrows	26.5	3.0e	26.5	21.6
LITTLE BEAR	Hyrum	15.3	13.1	10.4	10.7
	Porcupine	11.3	3.9	4.0	3.6

+ - 1958-72 15 Year Average Period
e - estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Big Creek nr Randolph	5 - 10	41b
Logan River nr Logan	350 - 450	984
Woodruff Creek nr Woodruff	25 - 50	240
Little Bear nr Paradise	150 - 200	473

(a) - Maximum mean daily peak flow

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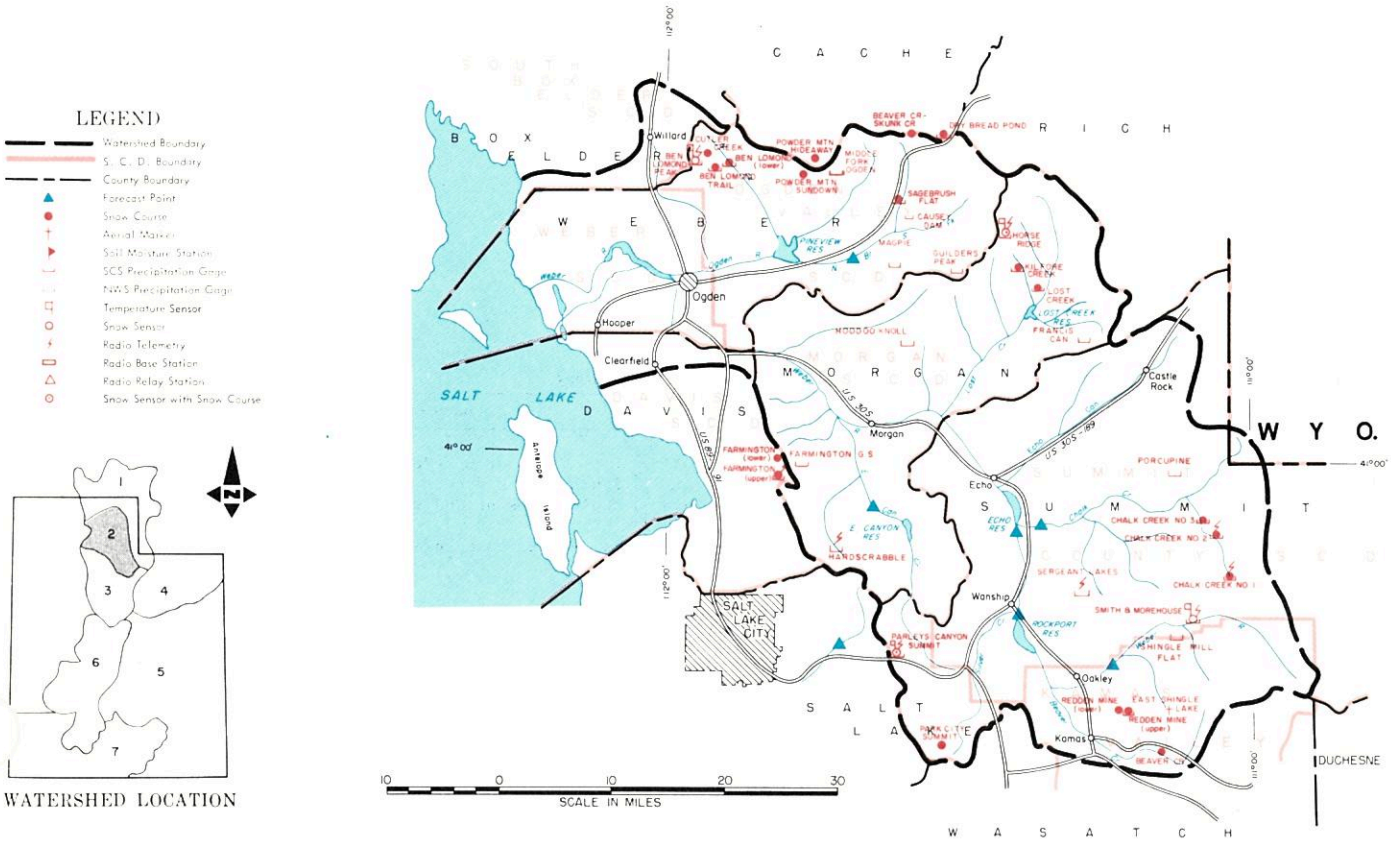
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

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



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER has improved only 3 to 9% since February 1 and is now 22% of average on the Ogden and 33% on the Weber River. Most readings are below previous minimums in 1961.

PRECIPITATION at mountain stations during February ranged from 30 to 96% of average. The October-February total is still only 18 to 41% of average.

SOIL MOISTURE is still well below average.

RESERVOIR STORAGE is above average, but generally less than last year at this time.

STREAMFLOW FORECASTS range from 8% of the April-June average on Lost Creek to 41% of average for the Weber at Oakley. Pineview Inflow is expected to be 18% of average, East Canyon also 18%, Rockport Inflow 30%, and Chalk Creek 16% near Coalville. Most streamflow forecasts are near previous minimums in 1961.

Report prepared by
BOB L. WHALEY
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USDA-SCS-PORTLAND OR 1976 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Chalk Creek at Coalville	5.0	16	Apr-June	29	32
East Canyon Creek nr Morgan[1]	4.0	18	Apr-June	22	22
Hardscrabble Crk nr Portervlle	3.5	24	Apr-June	- -	14.4b
Lost Creek nr Croydon, Utah	1.2	8	Apr-June	10.9	13.7
Pineview Reservoir Inflow[2]	20	18	Apr-June	93	110
South Fork Ogden nr Huntsvlle	15	30	Apr-June	43	50
Rockport Reservoir Inflow[1]	34	30	Apr-June	- -	114
Weber nr Coalville	27	24	Apr-June	- -	113
Weber nr Oakley	41	41	Apr-June	90	100
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	3.0	38	Apr-July	- -	7.8

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U.S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Av
OGDEN RIVER	6	47	
WEBER RIVER	10	65	33

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
OGDEN	Causey	6.9	2.6	1.1	2.2
	Pineview	110.1	54.4	46.2	40.6
WEBER	East Canyon	48.1	31.8	35.7	19.5
	Echo	73.9	47.6	45.6	43.5
	Lost Creek	20.0	13.0	13.6	12.6
	Rockport	60.9	26.0	44.6	27.6
	Willard Bay	193.3	146.1	162.9	121.5

+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Lost Creek nr Croyden	20 - 80	206b
South Fork Ogden nr Huntsville	100 - 200	697
Chalk Creek nr Coalville	75 - 150	373

(a) - Maximum mean daily peak flow

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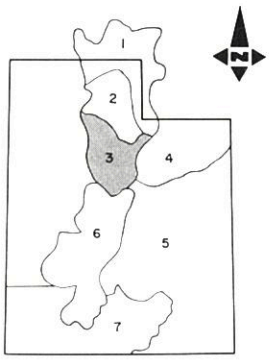
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

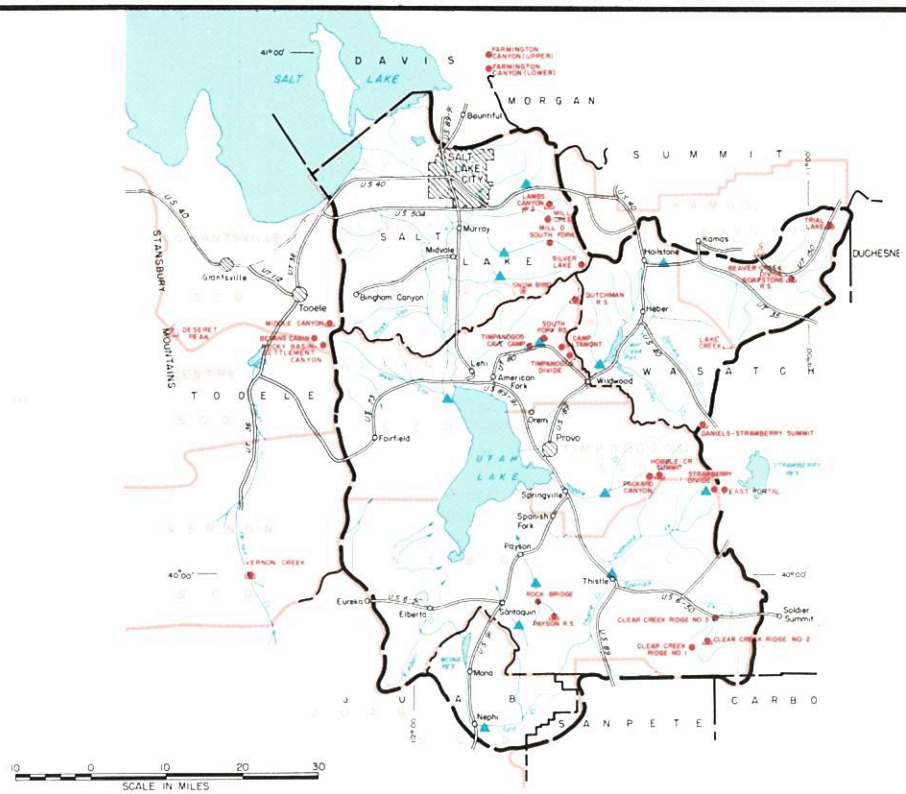
UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from 31% of the March 1 average on Utah Lake drainages to 38% on Jordan River-Salt Lake drainages. Tooele Valley is now 37% of the March 1 average.

PRECIPITATION at mountain stations ranged from 34% at Timpanogos Divide to 103% of average at Silver Lake (Brighton). The October-February total now ranges from 26 to 51% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average except at Deer Creek. All reservoirs have less storage than last year at this time.

STREAMFLOW FORECASTS now range from 12 to 51% of the April-July average. Inflow to Utah Lake is expected to be 35% of average, Provo River 25% at Hailstone and 17% at Deer Creek Dam. Strawberry Reservoir Inflow, Hobble Creek, Spanish Fork and Vernon Creek are all 14% of average. Big and Little Cottonwood Creeks are still 49 and 51%, but Parley's is only 12% of average.

Report prepared by
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USDA-SCS-PORTLAND, OREG. 1978 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	8.0	27	Apr-July	- -	29
Hobble Creek nr Springville	2.2	14	Apr-July	- -	16
Provo nr Hailstone[1]	26	25	Apr-July	107	102
Provo below Deer Creek Dam[1]	19.0	17	Apr-July	- -	111
Spanish Fork at Thistle	4.5	14	Apr-July	- -	32
Strawberry Reservoir Inflow[1]	6.4	14	Apr-July	38	45
Utah Lake Inflow	73	35	Apr-July	- -	208
Payson Creek nr Payson	2.2	35	Apr-July	- -	6.3
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	17.5	49	Apr-July	- -	36
Little Cottonwood Crk nr SLC	18.0	51	Apr-July	- -	35
Parley's Creek nr SLC	1.4	12	Apr-July	- -	11.7
TOOELE VALLEY					
Vernon Creek nr Vernon	0.4	57	Mar-July	- -	0.7
Settlement Crk nr Tooele	0.5	23	Apr-July	- -	2.2

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	12	92	31
JORDAN RIVER & SALT LAKE	3	84	38
TOOELE VALLEY	2	- -	37

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
SPANISH FORK	Strawberry	270.0	207.2	243.8	116.4
UTAH LAKE	Utah Lake	883.9	758.0	939.6	604.0
	Settlement Creek	1.2	0.6	1.0	- -
	Vernon Creek	0.6	0.5	0.6	- -
PROVO	Deer Creek	149.7	89.7	103.7	95.3

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Hobble Creek nr Springville	10 - 60	210
Spanish Fork nr Thistle	40 - 125	365
Big Cottonwood nr Salt Lake City	150 - 275	310

(a) - Maximum mean daily peak flow

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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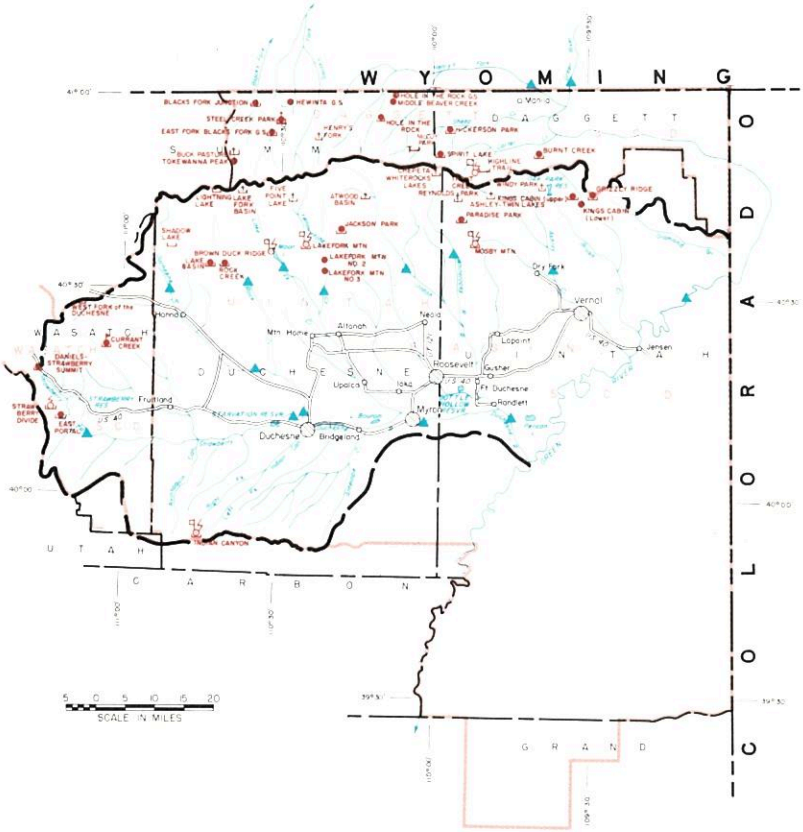
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 13% on Uintah-Whiterocks to 32% on Strawberry River. Lakefork and Yellowstone are 15% and Ashley Creek 12% of the March 1 average. Black's Fork on the north slope is 35% of average. All measurements indicate readings 15 to 65% below previous record lows in 1961.

PRECIPITATION at mountain stations during February ranged from 23 to 67% of average. The total for October-February ranges from 28 to 73% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average and below last year on March 1.

STREAMFLOW FORECASTS range from 5% for Duchesne at Randlett to 46% for Black's Fork at Millburne. Ashley Creek is 37%, Whiterocks 33%, Uintah 35%, Yellowstone 40%, Lakefork 41%, and Rock Creek 41% of the April-July average. The Duchesne is expected to be 27% at Tabiona, 26% at Duchesne, and 11% at Myton and Strawberry River 11%. Flaming Gorge Inflow is expected to be 32% of the April-July average.

Report prepared by
BOB L. WHALEY
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FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

USDA-SCS PORTLAND, OR. 1976 M7-OL-22027-4

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona[1]	28	27	Apr-July	- -	104
Duchesne at Duchesne[1]	48	26	Apr-July	- -	185
Duchesne at Myton[1]	25	11	Apr-July	- -	218
Duchesne at Randlett[1]	15.0	5	Apr-July	- -	267
Lakefork below Moon Lake[1]	28	41	Apr-July	- -	69
Rock Creek nr Mtn. Home	38	41	Apr-July	- -	94
Strawberry at Duchesne	6.1	11	Apr-July	- -	56
Uintah nr Neola	31	35	Apr-July	59	88
Whiterocks nr Whiterock	19	33	Apr-July	47	58
Yellowstone nr Altonah	26	40	Apr-July	- -	65
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	18.4	37	Apr-July	44	50
Black's Fork at Millburne	43	46	Apr-July	71	94
Flaming Gorge Inflow[1]	375	32	Apr-July	1329	1174
Henry's Fork at Linwood	12.0	24	Apr-Sept	- -	45

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	6	62	20
LAKEFORK-YELLOWSTONE CREEKS	2	55	15
STRAWBERRY RIVER	3	85	32
UINTAH - WHITEROCKS RIVERS	2	37	13
ASHLEY CREEK	2	37	12
BLACK'S FORK	3	67	35

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
ASHLEY CREEK	Steinaker	33.3	20.3	26.6	24.4
GREEN RIVER	Flaming Gorge	3749.0	2934.0	3303.8	1588.0
LAKE FORK	Moon Lake	35.8	7.2	20.0	17.8
STRAWBERRY	Starvation	165.3	165.8	140.8	- -
UINTAH	Bottle Hollow	11.3	10.6	10.2	- -

+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Strawberry at Duchesne	100 - 200	628
Ashley Creek nr Vernal	300 - 400	906

(a) - Maximum mean daily peak flow

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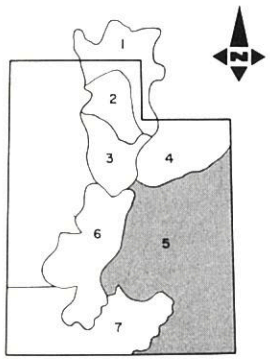
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

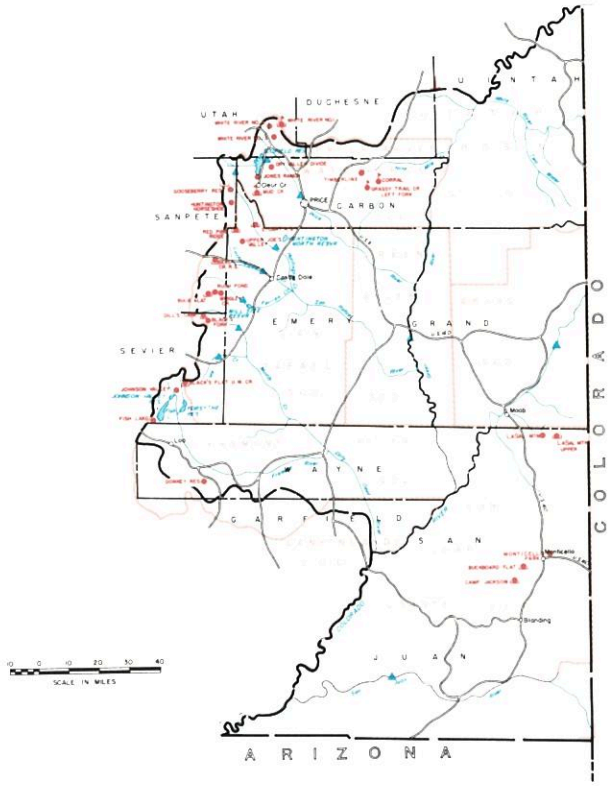
UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER is now 26% of average on Price River and 31% on San Rafael tributaries. Snow water content measurements as of March 1 show 20 to 30% less than previous minimums.

PRECIPITATION at mountain stations was 48 to 76% of the February average and the total October-February precipitation ranged from 29 to 46% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is near average, but still below last year at this time.

STREAMFLOW FORECASTS range from 16 to 47% of the April-July average. Most forecasts were reduced 4 to 8% since February 1. Scofield Inflow is expected to be 24% of average and the Price River at Heiner only 16%. Huntington Creek is expected to be 38% of average, Cottonwood Creek 39%, Ferron Creek 41%, and Muddy Creek 40% of the April-July average. Fremont River is forecast at 47% of average.

Report prepared by
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USDA-SCS-PORTLAND OREG. 1976 M7-OL-22027-5

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

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	4.0	40	Apr-July	- -	10.0
Price nr Heiner[1]	10.0	16	Apr-July	- -	64b
Scofield Reservoir Inflow	8.0	24	Apr-July	- -	34
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	17.8	39	Apr-July	- -	46b
Ferron Creek nr Ferron	14.4	41	Apr-July	33	35
Huntington Crk nr Huntington	17.2	38	Apr-July	- -	45
MUDDY RIVER					
Muddy Creek nr Emery	6.8	40	Apr-July	- -	17.0
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	892	31	Apr-July	2029	2835
Green at Green River, Utah	1031	36	Apr-July	2251	2839
Navajo Reservoir Inflow	233	39	Apr-July	- -	597
San Juan nr Bluff, Utah	313	37	Apr-July	634	853
Mill Creek nr Moab	2.0	41	Apr-July	5.9	4.9
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	3.0	47	Apr-July	- -	6.4b

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN	Number Sites Average	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	6	70	26
SAN RAFAEL RIVER	3	79	31

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
PRICE RIVER	Scofield	65.8	29.1	44.7	30.0
SAN RAFAEL	Huntington North	3.9	3.4	3.8	2.2
	Joe's Valley	54.6	37.4	42.2	31.6
	Mill Site	16.7	1.7	5.8	- -
SAN JUAN	Navajo	1696.0	1120.7	1100.1	- -

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Ferron Creek near Ferron	100 - 200	419
Muddy Creek near Emery	50 - 75	157

(a) - Maximum mean daily peak flow

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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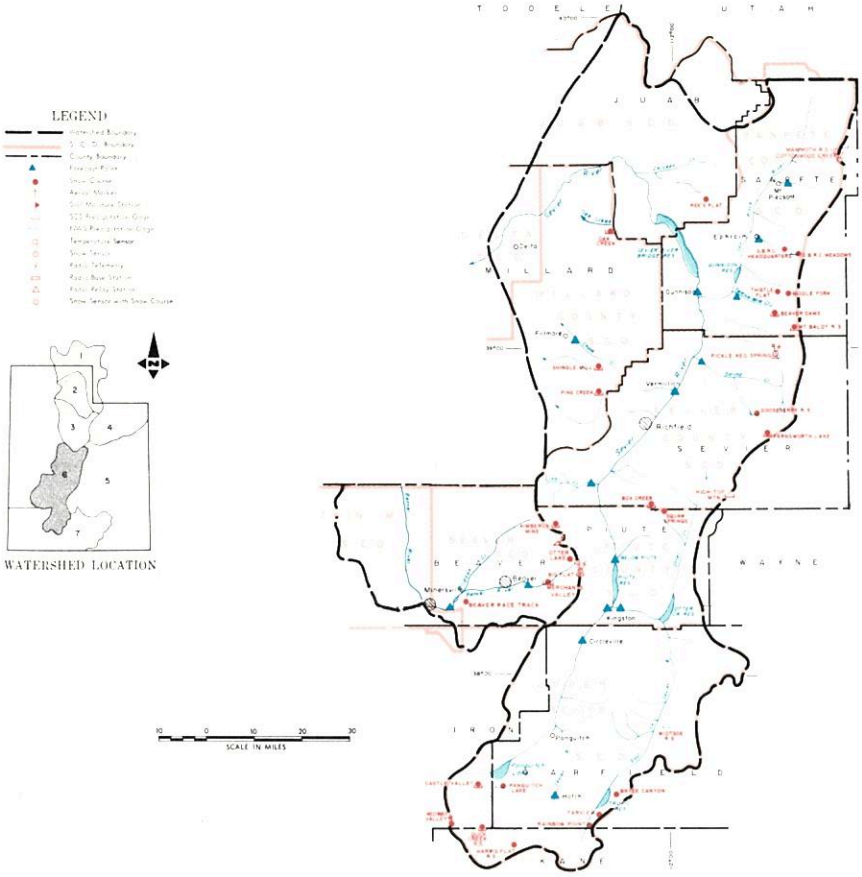
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from 13% of the March 1 average on the South Fork Sevier to 51% on the Lower Sevier (Salina Creek and San Pitch River). The East Fork Sevier is 31% and Beaver River is 39% of average. All basins are at or below previous minimums of record for March 1. Many areas lost snow water due to melt during warm February temperatures.

PRECIPITATION at mountain stations ranged from 19 to 83% of the February average and now totals 36 to 60% of the October-February total.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE on the three main Sevier Reservoirs (Otter, Piute, and Sevier Bridge) totals about average, but only 65% of last year at this time. Piute is only 56% of average. Gunnison Reservoir is 22% of average and Minersville is 58% of average and not expected to fill this season.

STREAMFLOW FORECASTS range from 16 to 47% of the April-July average. Sevier River is forecast 34% at Hatch, 36% at Circleville, 16% at Kingston, and 33% at Gunnison. Beaver River is forecast 36% near Beaver and 16% for Minersville Inflow. Clear Creek and Chalk Creek at 31% and Salina Creek 16% of average. Pleasant Creek and Ephraim Creek are 45 and 47% respectively.

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USDA SCS PORTLAND OR 1976 M7-OL-22027-6

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Chalk Creek nr Fillmore	4.8	31	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv Div)	4.7	31	Apr-July	28	15.0
East Fork Sevier nr Kingston[1]	3.0	21	Apr-July	- -	14.4
Antimony Crk nr Antimony	3.0	41	Apr-July	- -	7.3
Inflow					
Kingston to Vermillion Dam	11.5	23	Apr-June	- -	50
Vermillion Dam to Gunnison	16.5	42	Mar-June	- -	39
Salina Creek at Salina	1.3	16	Apr-June	24	8.1b
Sevier nr Circleville	10.0	36	Apr-July	- -	28
Sevier nr Gunnison	13.0	33	Apr-July	55	39
Sevier at Hatch	13.8	34	Apr-July	35	41
Sevier nr Kingston	3.4	16	Apr-July	16	21
Sevier below Piute Dam[1]	6.0	18	Apr-July	- -	33
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	7.0	47	Apr-July	- -	13.9b
Pleasant Crk nr Mt. Pleasant	3.5	45	Apr-July	- -	7.8
BEAVER RIVER					
Beaver nr Beaver	7.1	36	Apr-July	18.4	20
Minersville Reservoir Inflow[1]	0.9	16	Apr-June	- -	5.8

SUMMARY of SNOW MEASUREMENTS (COMPARISON A TO THE 21 YEARS)

RIVER BASIN, WATER SUB-BASIN	Number of Sites Average	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER	9	82	22
East Fork Sevier	3	95	31
South Fork Sevier	5	71	13
LOWER SEVIER	6	100	51
BEAVER RIVER	3	95	39

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	2.7	16.7	12.2
	Otter Creek	52.5	31.1	42.6	29.4
	Piute	71.8	24.2	45.6	43.0
	Sevier Bridge	236.0	117.7	177.8	100.0
BEAVER RIVER	Minersville (Rky Fd)	23.3	7.6	13.3	13.0

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Sevier River at Hatch	60 - 100	418
Sevier River nr Circleville	65 - 110	304
Sevier River nr Kingston	55 - 85	263
Beaver River nr Beaver	40 - 80	212
Salina Creek nr Salina	10 - 40	235
Clear Creek nr Sevier	35 - 75	170

(a) - Maximum mean daily peak flow

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 10	July 28
Salina Creek at Salina	25	May 10	June 10
Sevier at Circleville	90	May 21	June 24
Sevier at Hatch (upper)	100	May 24	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
SEVIER RIVER			
Below Vermillion Dam	37	55	April-Sept
Circle Valley	35	65	April-Se
Panguitch Valley	60	82	April-S
Sevier Valley	24	38	April-

Inflow to Sevier Bridge Reservoir October 1 to March 31 is expected to be 60,000 to 70,000 acre feet.

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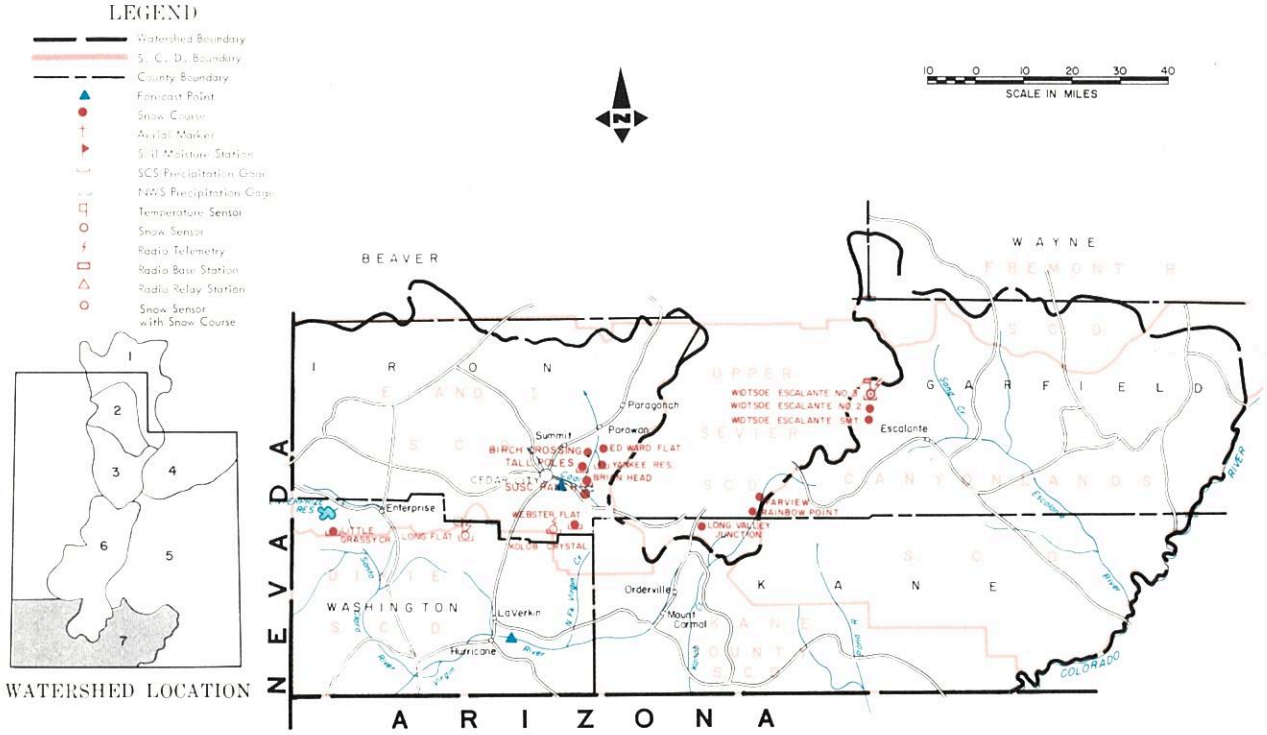
WATER SUPPLY OUTLOOK

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



MARCH 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER varies from 1% of the March 1 average on Enterprise-New Harmony drainages to 34% for Parowan Creek. Coal Creek is 17% and the Virgin River 18% of the March 1 average. Warm weather melted snow in this area in February.

PRECIPITATION at mountain stations ranged from 20% to near average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE in small reservoirs is reported below average. Lake Powell has 17,985,000 acre feet, down 1,853,000 acre feet from last year at this time.

STREAMFLOW FORECASTS range from 31% of the April-July average on Lake Powell Inflow to 38% on Santa Clara near Pine Valley. Virgin River is forecast at 35% of average and Coal Creek 34%. Most water users in this area are expected to have limited water supplies this season.

Report prepared by
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EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
VIRGIN RIVER					
Virgin nr Virgin	17.0	35	Apr-June	23e	48b
Santa Clara nr Pine Valley	1.0	38	Apr-June	2.2	3.6b
COAL CREEK					
Coal Creek nr Cedar City	5.5	34	Apr-July	9.7	16.1
UPPER COLORADO					
Lake Powell Inflow	2150	31	Apr-July	5395	6881

2 - Provisional Flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEAR)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF AVERAGE
COAL CREEK	3	14	17
VIRGIN RIVER	2	127	18
PAROWAN CREEK	2	15	34
ENTERPRISE - NEW HARMONY	2	10	1

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
COLORADO	Lake Powell	25002.0	17985.0	19838.0	8401b
	Blue Mesa	829.5	393.2	444.8	- -

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Coal Creek nr Cedar City	40 - 75	245
Virgin nr Virgin	180 - 300	631b

(a) - Maximum mean daily peak flow

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Minimum	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	2/24	24	4.8	10.0	18.2						
Burts-Miller Ranch	2/25	8	1.2	- -	- -	2/25	.97	- -	2.57	- -	- -
CCC Camp	2/25	19	3.3	5.9	11.1						
Hayden Fork	2/25	26	5.0	- -	- -		Not Measured				
Kelly R.S.	2/24	23	4.2	11.7	16.6a						
Monte Cristo R.S.	2/25	28	4.9	12.7	22.2	2/25	2.37	4.62b	6.31	22.89b	28
Piney LaBarge	2/25	28	6.4	- -	- -						
Poison Meadows	2/25	37	8.1	- -	- -						
Salt River Summit	2/25	23	4.2	7.9	14.6	2/25	.50	3.36	3.94	14.17	28
Snyder Basin	2/25	19	3.6	- -	- -						
Stillwater Camp	2/25	18	3.1	- -	- -	2/25	1.67	- -	3.94	- -	- -
LOWER BEAR RIVER (Below Harer, Idaho)											
Christensen Ranch	2/28	18	3.4	- -	7.7						
Cliff Canyon	2/28	7	1.2	- -	- -						
Cub River R.S.	2/28	18	4.5	- -	8.0						
Daniels Creek	2/28	6	0.8	- -	- -						
Dry Basin	2/28	33	6.7	- -	25.3						
Dry Creek Flat	2/28	7	1.1	- -	6.6	2/28	1.15	- -	- -	- -	- -
Emigrant Summit	2/28	23	4.3	- -	21.4a						
Emigration Canyon	2/28	12	2.7	- -	9.7a						
Franklin Basin	2/28	35	7.0	13.8	- -						
Garden City Summit	2/28	17	3.2	9.4	16.1	2/28	1.37	4.00b	4.46	16.68b	27
Horseshoe Basin	2/28	31	6.9	- -	23.2						
Klondike Narrows	2/28	27	5.7	10.8	17.9	2/28	2.11	5.25b	5.20	19.03b	27
Liberty Springs	2/28	40	7.0	- -	33.8						
Little Bear (lower)	2/25	13	2.1	0.0	10.1						
Little Bear (upper)	2/25	19	3.1	2.3	9.8		Not Measured			14.81b	
Lower Elkhorn	2/28	10	1.8	- -	12.4a						
Oxford Mountain	2/28	13	1.0	- -	8.9						
Slug Creek Divide	2/28	25	5.0	- -	14.7						
Steep Hollow #1	2/28	49	8.5	21.4	30.8b						
Steep Hollow #2	2/28	35	6.4	15.9	22.9b						
Strawberry Creek	2/28	10	2.1	- -	9.6						
Strawberry Mink Divide	2/28	23	3.4	- -	18.5						
Tony Grove Lake	2/28	44	8.1	- -	- -						
Tony Grove R.S.	2/28	17	3.0	- -	11.2	2/28	1.58	2.52a	4.05	15.61a	26
Upper Elkhorn	2/28	19	3.4	- -	16.0a						
Willow Falt	2/28	19	2.6	- -	13.2	2/28	1.88	4.16b	5.87	19.02b	31
Worm Creek	2/28	21	3.9	- -	- -						
RAFT RIVER											
Clear Creek Meadows	2/25	27	3.9	14.4	18.2a						
One Mile Summit	2/25	6	0.9	4.0	6.8a						
Vipont (A)	2/25	20	4.0	15.5	12.7a						
OGDEN RIVER											
Beaver Creek-Skunk Creek	2/25	10	1.3	3.9	10.7						
Ben Lomond Peak	2/25	37	6.8	18.8	30.1b						
Ben Lomond (lower)	2/25	23	4.1	1.6	13.0	2/25	1.64	4.44b	3.79	21.25b	18
Causey Dam						2/25	.90	2.96a	2.47	12.03a	21
Cutler Creek	2/25	34	5.1	13.2	23.4b						
Dry Bread Pond	2/25	19	3.3	8.0	15.3	2/25	1.95	3.91b	4.23	17.21b	25
Sagebrush Flat	2/25	8	1.0	0.1	4.4	2/25	1.14	2.71	2.71	12.04	23
WEBER RIVER											
Beaver Creek R.S.	2/28	12	2.0	3.8	7.7						
Chalk Creek #1	2/25	36	5.7	10.0	18.1						
Chalk Creek #2	2/25	28	4.4	7.2	11.9						
Chalk Creek #3	2/25	18	3.0	1.0	6.5	2/25	1.85	1.96a	3.90	9.53a	41
East Shingle Lake (A)	2/28	41	7.4	- -	- -						
Farmington Canyon (lower)	2/25	39	7.1	6.3	18.2	2/25	3.71	- -	8.87	- -	- -
Farmington Canyon (upper)	2/25	45	8.8	11.8	24.1						
Farmington G.S.						2/25	3.84	- -	9.23	- -	- -
Horse Ridge	2/25	25	3.9	13.1	19.4b	2/25	3.44	- -	5.64	22.61a	25

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

+ 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Minimum	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
WEBER RIVER (continued)											
Kilfoil Creek	2/25	20	3.1	7.2	12.6b						
Lost Creek Reservoir	2/25	6	0.9	0.0	- -	2/25	1.17	- -	- -	- -	- -
Park City Summit	3/7	40	12.2	- -	- -						
Parleys Canyon Summit	2/25	38	6.8	9.1	15.5	2/25	3.92	4.08	6.52	18.16	36
Redden Mine (lower)	2/28	26	4.9	7.0	15.4						
Redden Mine (upper)						2/28	2.95	- -	6.47	16.26a	40
Sergeant Lake (A)	2/28	30	4.8	- -	- -						
Smith & Morehouse	2/25	23	2.9	5.5	11.9b	2/25	2.05	3.32	4.90	14.94	33
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	2/28	22	3.9	- -	- -						
Camp Altamont	2/25	15	3.9	3.4	12.8						
Clear Creek Ridge #1	2/28	22	5.0	6.8	15.1						
Clear Creek Ridge #2	2/28	21	4.6	4.2	11.3	2/28	- -	2.78	4.37	12.52	35
Clear Creek Ridge #3	2/28	9	2.0	0.6	6.9						
Dutchman R.S.	2/25	22	4.3	4.9	15.0	2/25	2.30	- -	6.20	17.82	35
Hobble Creek Summit	2/25	20	4.3	4.7	11.9	2/25	1.55	- -	4.87	13.88	35
Packard Canyon	2/25	14	3.2	- -	8.6						
Payson R.S.		Not Measured		6.4	14.6			3.64		14.63	
Rock Bridge		Not Measured		2.7	10.0						
Soapstone R.S.	2/28	21	3.5	5.2	11.3	2/28	2.51	3.03	4.71	13.22	36
South Fork R.S.	2/23	15	3.0	0.0	4.9						
Timpanogos Cave Camp	2/23	3	0.4	0.0	2.2						
Timpanogos Divide	2/25	19	5.0	6.6	20.9	3/1	1.50	4.37	5.55	21.09	26
Trial Lake	2/28	28	5.1	11.5	20.5	2/28	2.66	4.34	6.62	19.26	32
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon		Not Measured									
Lamb's Canyon #2	2/25	34	5.9	- -	- -	2/25	2.83	- -	4.72	- -	- -
Middle Canyon	2/28	22	5.5	2.0	11.3	2/28	2.00	3.52b	6.80	13.42b	51
Mill Creek	2/28	36	7.8	- -	- -						
Mill D South Fork	2/23	36	7.0	8.9	16.8						
Mt. Dell Dam						3/1	1.71e	2.36	3.64a	11.08	33
Silver Lake (Brighton)	2/23	36	5.8	10.8	19.6	3/1	5.10	4.94	8.66	22.67	38
Snow Bird (Gad Valley)	3/7	50	11.4	- -	- -						
Vernon Creek	2/28	9	2.0	4.6	- -	2/28	.75	- -	4.83	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah											
Box Creek	2/28	22	4.3	4.9	10.5	2/28	2.25	- -	6.13	11.05	55
Bryce Canyon	2/28	2	0.3	0.0	3.6						
Castle Valley	2/24	12	2.7	4.0	11.1	2/24	1.13	- -	4.97	11.86	42
Duck Creek R.S.	2/24	3	0.3	0.2	11.1	2/24	.60	3.18b	5.10	14.23b	36
Farview	2/28	7	1.2	- -	- -						
Harris Flat	2/24	1	0.1	0.0	7.3						
Kimberly Mine	2/28	28	5.4	6.4	11.9	2/28	1.68	2.90b	6.24	13.24b	47
Midway Valley	2/24	17	3.1	5.2	17.3	2/24	.70	- -	5.55	- -	- -
Panguitch Lake	2/24	5	0.5	0.0	3.8	2/24	.72	- -	4.32a	5.95b	73
Rainbow Point	2/28	5	1.2	- -	- -						
Squaw Springs	2/28	8	1.6	1.6	6.1						
Widtsoe R.S.						2/23	.12	- -	1.46a	- -	- -
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams		Not Measured		5.2	9.5						
Farnsworth Lake	2/28	35	7.2	9.1	14.2	2/28	3.25	3.93	8.90	14.76	60
G.B.R.C. Headquarters	2/28	20	5.5	3.8	13.3	2/28	1.80	3.90	6.75	14.30	47
G.B.R.C. Majors						2/28	.61	2.10	2.96	8.00	37
G.B.R.C. Meadows	2/28	34	8.5	10.8	19.2	2/28	2.60	4.90	8.06	18.00	45
G.B.R.C. Oaks						2/28	.93	2.60	3.88	9.60	40
Gooseberry R.S.	2/28	24	5.9	6.0	9.3	2/28	2.23	- -	6.20	- -	- -
Mammoth-Cottonwood Creek	3/3	38	5.7	7.2	17.1b	3/3	3.25	3.76b	7.15	15.35b	47
Middle Fork		Not Measured		12.0	- -						
Mt. Baldy R.S.		Not Measured		9.3	17.8						
Oak Creek	2/25	28	5.0	- -	- -	2/25	.96	- -	4.96	- -	- -
Pickle Keg Springs		Not Measured		- -	- -						
Pine Creek	2/28	32	8.0	8.1	12.6	2/28	2.47	- -	10.80	17.64	61
Ree's Flat		Not Measured		4.8	9.6						
Shingle Mill	2/25	18	3.4	0.6	7.1b	2/25	1.44	2.59b	5.75	10.73b	54
Thistle Flat		Not Measured									

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† 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Minimum	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
BEAVER RIVER											
Beaver Race Track	3/1	0	0.0	- -	- -						
Beaver Canyon Power House						3/1	.47	1.92	3.14	7.08	44
Big Flat	2/28	22	4.7	5.8	13.2	2/28	.99	3.43	6.05	12.90	47
Merchant's Valley	2/28	18	3.8	1.7	6.9	2/28	.98	2.83a	5.69	10.82a	53
Otter Lake	2/28	21	3.8	5.2	10.9						
PAROWAN CREEK											
Birch Crossing	2/23	4	0.5	3.7	- -						
Brian Head	2/24	24	4.5	11.8	- -						
Ed Ward Flat	2/24	9	1.9	2.1	6.1						
Tall Poles	2/23	17	3.6	8.8	- -	2/23	.50	2.49a	5.50	14.71a	37
Yankee Reservoir	2/24	14	2.7	3.4	7.5	2/24	1.23	- -	4.50	9.13b	49
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	2/24	0	0.0	0.0	3.1b	2/24	.90	- -	- -	11.25b	- -
Long Flat	2/24	1	0.1	1.0	4.9	2/24	.30	- -	3.45	8.61b	40
COAL CREEK											
Cedar City Golf Course	2/24	0	0.0	- -	- -						
SUSC Ranch	2/23	3	0.2	1.4	5.5b						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	2/28	15	2.7	2.4	- -						
Black's Fork G.S.-East Fork	2/25	18	3.3	3.6	7.5b	2/25	1.56	- -	4.24	9.43b	45
Black's Fork Junction	2/25	16	2.4	4.4	8.2b	2/25	1.36	- -	3.56	9.25b	38
Buck Pasture (A)	2/28	36	6.5	5.8	- -						
Burnt Creek	2/23	8	1.4	- -	- -	2/23	.30	1.06b	2.10	7.53b	28
Grizzly Ridge	2/23	9	2.0	- -	- -	2/23	.45	1.93b	3.00	11.24b	27
Henry's Fork (A)	2/28	25	3.8	5.9	- -						
Hewinta G.S.	2/25	16	2.4	4.1	7.4b	2/25	1.51	- -	3.92	9.95b	39
Hickerson Park	2/25	11	1.7	1.9	5.1b	2/25	.50	- -	4.86	6.65a	73
Highline Trail	2/25	15	2.6	- -	- -	2/25	.46	- -	3.11	- -	- -
King's Cabin (lower)	2/25	4	0.7	1.8	6.9						
King's Cabin (upper)	2/25	8	1.1	3.1	8.3	2/25	.27	- -	4.87	9.10	54
Reynolds Park (A)	2/28	12	2.2	- -	- -						
Spirit Lake	2/25	17	3.4	3.8	10.0b	2/25	.92	- -	5.25	11.51b	46
Steel Creek Park		Not Measured		7.5	12.2b						
Trout Creek	2/25	12	1.7	- -	- -	2/25	.55	- -	- -	- -	- -
Windy Park (A)	2/28	2	0.3	2.2	- -						
DUCHESNE RIVER											
Atwood Lake (A)	2/28	8	1.4	2.5	- -						
Brown Duck Ridge	2/28	24	4.1	- -	- -	2/28	1.99	- -	- -	- -	- -
Chepeta-Whiterocks (A)	2/28	8	1.4	2.3	- -						
Currant Creek	2/25	9	1.5	- -	- -	2/25	1.45	- -	3.35	- -	- -
Daniels-Strawberry Summit	2/25	18	3.7	4.0	12.2	2/25	1.75	3.39	5.00	14.60	34
East Portal	2/28	14	3.0	4.2	9.6	2/28	1.66	3.20b	4.38	15.68b	28
Five Points Lake (A)	2/28	21	3.6	6.2	- -						
Indian Canyon	2/28	15	2.8	3.3	10.2	2/28	1.45e	2.18b	3.59a	11.25b	32
Jackson Park	2/28	16	2.6	- -	- -	2/28	1.10	- -	4.80	- -	- -
Lake Basin	2/28	20	4.5	- -	- -	2/28	2.06	- -	4.80	- -	- -
Lakefork Basin (A)	2/28	28	4.5	- -	- -						
Lakefork Mountain	2/28	10	1.6	3.6	9.5	2/28	1.12	2.13	5.34	10.22	52
Lakefork Mountain #2		Not Measured		1.7	6.8						
Lakefork Mountain #3	2/28	4	0.6	0.4	5.6						
Lightning Lake (A)	2/28	24	4.1	- -	- -						
Mosby Mountain	2/28	8	1.4	3.2	8.4	2/28	.62	1.98a	- -	9.16a	- -
Paradise Park	2/28	6	1.1	3.6	10.5	2/28	.68	2.23b	3.87	12.95b	30
Rock Creek Ranch	2/28	6	1.2	- -	- -	2/28	1.19	- -	3.92	10.93	36
Shadow Lake (A)		Not Measured									
Strawberry Divide	2/28	27	5.5	6.2	16.2						

+ 1958-1972 period

SNOW / PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD Water Content (inches): Minimum	PAST RECORD Water Content (inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average +	FROM APPROX. OCT 1 TO DATE: Percent of Average
PRICE RIVER											
Dry Valley Divide	2/28	12	2.7	3.4	9.6						
Gooseberry Reservoir	3/3	28	4.3	7.3	15.2	3/3	1.90	3.94	6.10	15.00	41
Jones Ranch	2/28	7	1.4	0.0	5.8						
Mud Creek	2/28	16	2.5	3.5	11.4	2/28	1.85	2.74b	4.15	11.60b	36
White River #1	2/28	16	3.4	4.0	11.3	2/28	1.60	- -	4.05	11.08	37
White River #2	2/28	10	2.0	2.8	7.9						
White River #3	2/28	7	2.1	6.3	7.3						
SAN RAFAEL RIVER											
Buck Flat	3/3	25	5.6	5.8	13.5	3/3	2.60	3.97	6.60	14.29	46
Huntington-Horseshoe	3/3	48	8.6	13.5	- -						
Orange Olsen	2/28	5	1.0	- -	- -	2/28	1.25	1.65a	3.26	7.93a	41
Red Pine Ridge	2/28	22	5.3	6.4	14.9	2/28	3.00	4.42	7.15	16.82	43
Rush Pond	3/3	20	4.5	4.4	11.7						
Seeley Creek R.S.	2/28	15	3.4	5.4	13.7	2/28	3.10	- -	- -	- -	- -
Stuart R.S.	2/28	8	1.4	- -	- -	2/28	1.55	- -	3.55	12.16	29
Upper Joe's Valley	2/28	13	2.8	2.8	9.1						
Wrigley Creek	3/3	16	4.4	2.9	9.3						
MUDDY RIVER											
Black's Fork	3/3	20	5.5	11.4	- -						
Dill's Camp	3/3	17	4.2	10.6	- -	3/3	2.70	- -	5.90	- -	- -
FREMONT RIVER											
Black's Flat-U.M. Creek	2/28	20	4.7	3.8	8.6	2/28	2.59	- -	5.64	9.34	60
Fish Lake	2/28	6	1.1	0.1	5.6	2/28	1.57	- -	4.20	7.54b	56
Johnson Valley	2/28	9	2.2	1.4	5.2						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	2/24	10	1.2	3.4	10.0	2/24	.65	- -	2.90	15.00	19
Camp Jackson	2/24	12	2.0	1.9	9.5	2/24	.29	- -	3.44	13.40b	26
LaSal Mountain (lower)	2/25	7	0.8	2.7	7.0						
LaSal Mountain (upper)	2/25	17	2.7	4.9	11.7b	2/25	1.11	- -	4.71	12.26b	38
Monticello City Park	3/1	0	0.0	- -	- -						
ESCALANTE RIVER											
Widtsoe-Escalante Summit	2/23	5	0.6	1.5	5.7						
Widtsoe-Escalante #2	2/23	6	0.8	2.2	7.3						
Widtsoe-Escalante #3	2/23	10	1.6	4.4	8.9	2/23	.62	2.53	3.86	10.37	37
VIRGIN RIVER											
Kolob-Crystal	2/24	13	3.0	0.0	- -						
Long Valley Junction	2/24	0	0.0	0.0	3.9						
Webster Flat	2/24	12	2.8	2.2	12.1b	2/24	.77	3.92	6.85	15.67	44

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period
(A) - Aerial Marker Reading

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

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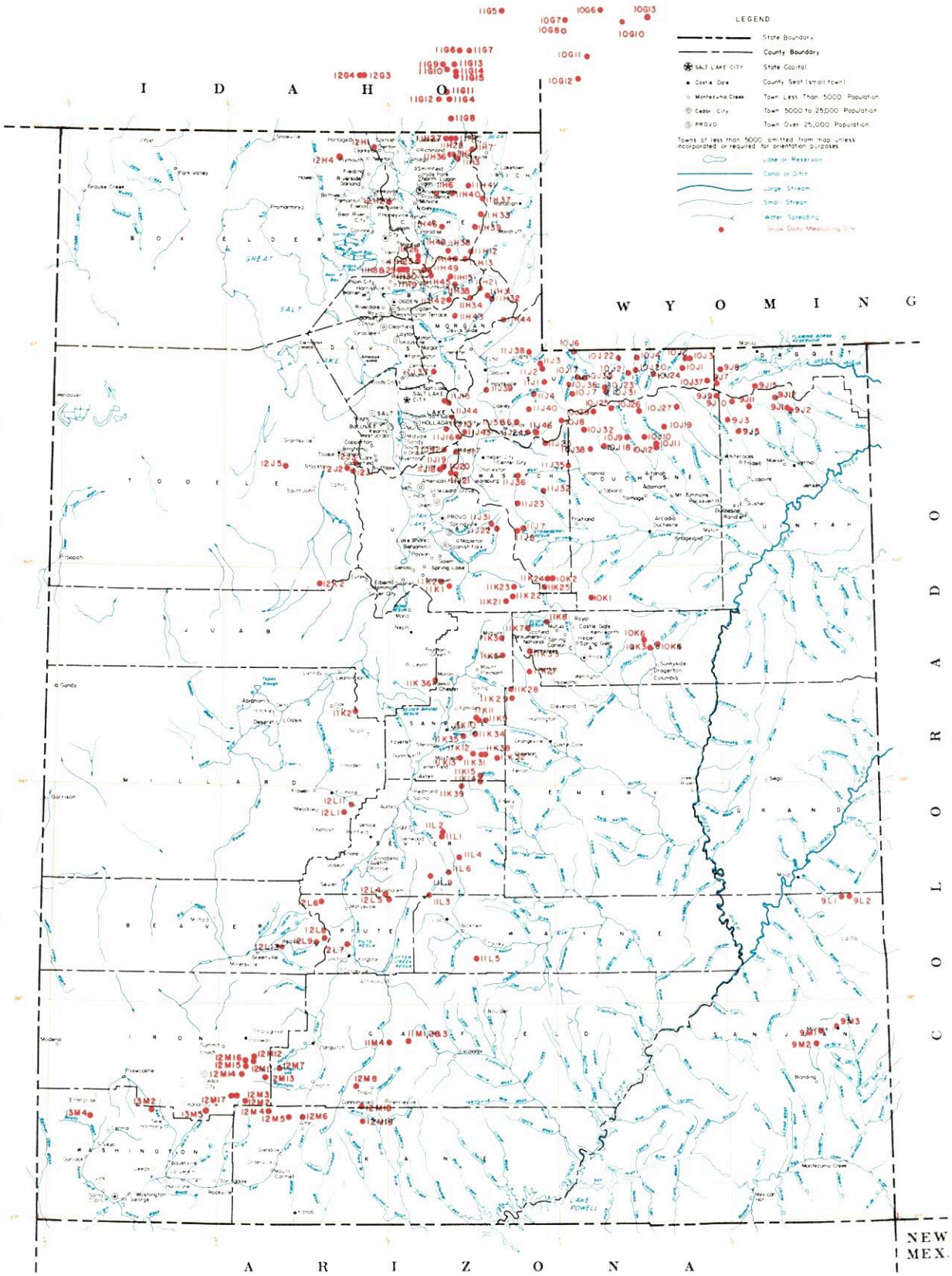

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,700,000

ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (above Harer, Idaho)

NO	STATE	NAME	SEC	TAP	RGE	ELEV
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550

LOWER BEAR RIVER (below Harer, Idaho)

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H45P	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,725
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

OGDEN RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300

WEBER RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600

PROVO RIVER & UTAH LAKE

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial lake	5	2S	9E	9,800

JORDAN RIVER & GREAT SALT LAKE

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5a	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500

UPPER SEVIER RIVER (South of Richfield, Utah)

NO	STATE	NAME	SEC	TAP	RGE	ELEV
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600

LOWER SEVIER RIVER (Including San Pitch River)

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500

BEAVER RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12LB	U	Otter Lake	1	29S	5W	9,300

PAROWAN CREEK

NO	STATE	NAME	SEC	TAP	RGE	ELEV
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Toll Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700

ENTERPRISE TO NEW HARMONY DRAINAGES

NO	STATE	NAME	SEC	TAP	RGE	ELEV
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000

COAL CREEK

NO	STATE	NAME	SEC	TAP	RGE	ELEV
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (above Duchesne River)

NO	STATE	NAME	SEC	TAP	RGE	ELEV
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	2N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400

DUCHESNE RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250

PRICE RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	5E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400

SAN RAFAEL RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000

MUDDY RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200

FREMONT RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850

SOUTHEASTERN UTAH DRAINAGES

NO	STATE	NAME	SEC	TAP	RGE	ELEV
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050

ESCALANTE RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500

VIRGIN RIVER

NO	STATE	NAME	SEC	TAP	RGE	ELEV
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

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

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1977

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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UTAH STATE DEPT. OF NATURAL RESOURCES

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

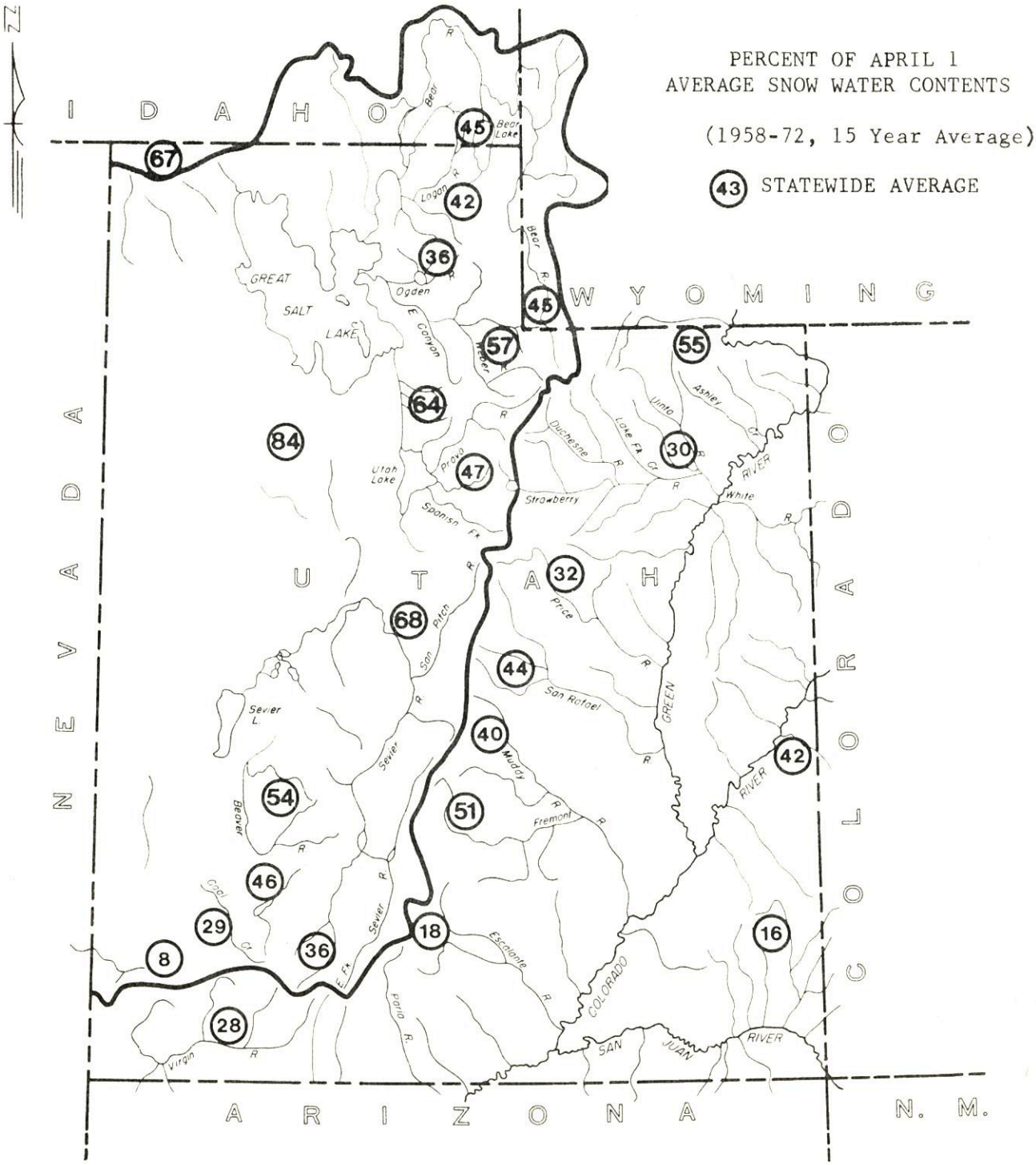
USDA-SCS-PORTLAND, OR. 1976 M7-L-220278

SNOW COVER

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS
APRIL 1, 1977

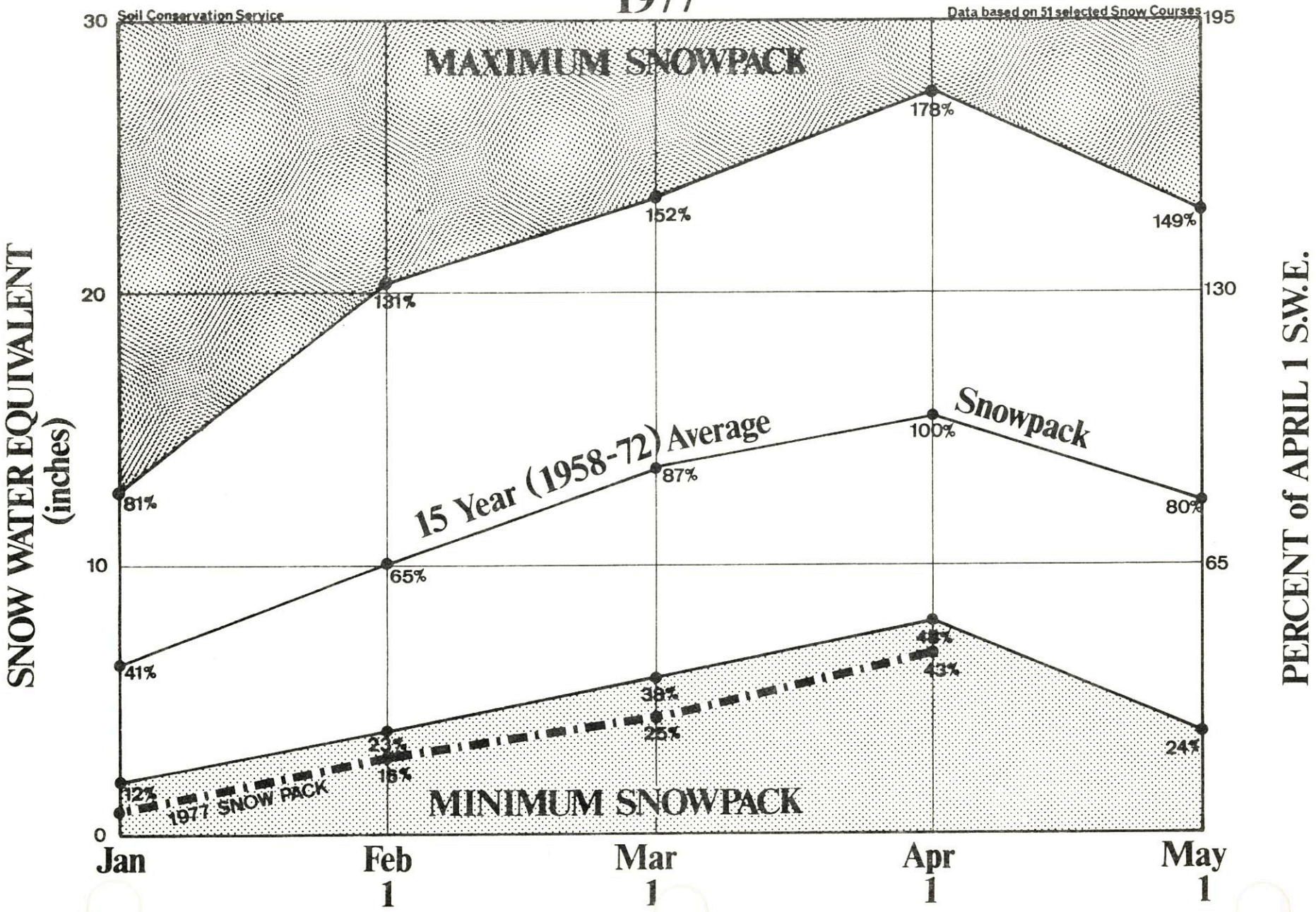
Approximate Date

50 0 50 100
SCALE IN MILES



USDA SCS-PORTLAND, OREG 1970 M-2853

UTAH'S WINTER SNOWPACK
1977



PROSPECTIVE WATER SUPPLIES

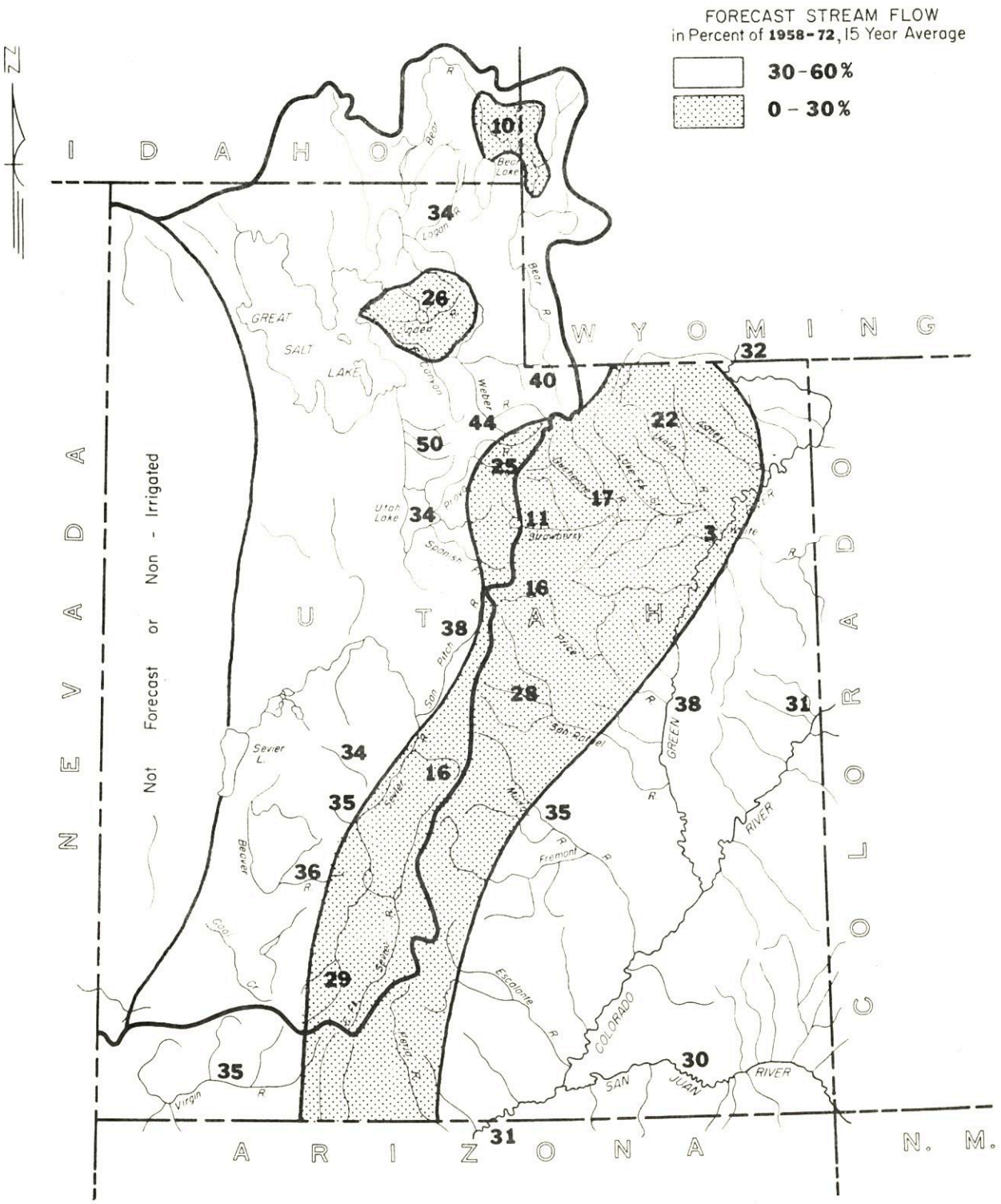
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

APRIL 1, 1977

Approximate Date

50 0 50 100

SCALE IN MILES



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

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

7-0-16150-L

WATER SUPPLY OUTLOOK

as of
APRIL 1, 1977

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* * * * * * * * * * * * * * * * * * * * * * * * * * * *
* Utah continues to be headed for severe water shortages*
* for areas without reservoir storage.  Snow cover this *
* year is only 43% of average, and well below previous  *
* minimums.  Streamflow forecasts this month range from *
* 3 to 60% of their April-July averages with many       *
* streams forecast below the previous low year of 1934. *
* Reservoir storage continues to be the only bright     *
* spot with the State's storage facilities at 113% of   *
* their April 1 averages.                               *
* * * * * * * * * * * * * * * * * * * * * * * * * * * *
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SNOW COVER

Snow surveys taken during the last days of March and first few days of April indicate new record low water contents on 70 out of 160 snow course measurements taken. Despite marked increases in many areas of the State during March, snow cover ranges from only 8% to 89% of average.

Some areas received sharp increases in snow depths. However, the snow was exceptionally dry for this time of year with densities well below typical April 1 figures.

The west central portion of the state ranges from 54 to 89% while the southern and eastern reaches vary from 8 to 51%. The northern half of Utah has a snow pack from 36 to 67% of normal.

The Jordan River and Tooele Valley watersheds showed the greatest improvement from March 1, and now range from 64 to 84% of the April 1 average.

PRECIPITATION

March did provide the State with above normal precipitation in many areas, but despite these isolated 2 and 3 times normal catches during the month, the October 1 to April 1 period for all mountain stations is still well below normal with totals ranging from 26 to 83% of average.

SOIL MOISTURE

Some improvement was seen in the watershed soils. However, they remain drier than normal for this time of the year. Dry soils are sure to further reduce the snowmelt runoff this year.

USDA SCS PORTLAND, OREG. 1967

WATER SUPPLY OUTLOOK (continued)

RESERVOIR STORAGE

Storage in the State's 24 major reservoirs continues to be the only bright prospect in this record low water year. These facilities contain 113% of their average usable capacity. Many smaller reservoirs, however, are below average at this time.

STREAMFLOW FORECASTS

Forecasts of spring and summer streamflow are again low this month. Many streams are expected to have flows lower than experienced in the drought year of 1934.

Forecasts range from a low of 3% (of average April-July) for the Duchesne at Randlett to 60% for Farmington Creek near Farmington, Utah. Other forecasts include: Bear River at Utah-Wyo. state line, 40%; Bear River at Harer, 10%; Logan River, 34%; Weber at Oakley, 44%; Pineview Reservoir inflow, 26%; and Little Cottonwood Creek nr Salt Lake, 50%.

Other Duchesne River forecasts are down this month with Duchesne at Duchesne at 17%; Lake Fork and Rock Creeks, 36%; and Uintah Creek, 22%.

The Provo River nr Hailstone is expected to produce 25% of its normal April-July flow while the Provo below Deer Creek Dam will be 17%. Strawberry Reservoir inflow will be 11% of normal.

Price River forecasts range from 16% for Scofield inflow to 11% at Heiner.

The Sevier River is forecast 29% at Hatch, 30% at Circleville, Gunnison at 32% and Clear Creek 35%.

WATER CONSERVATION

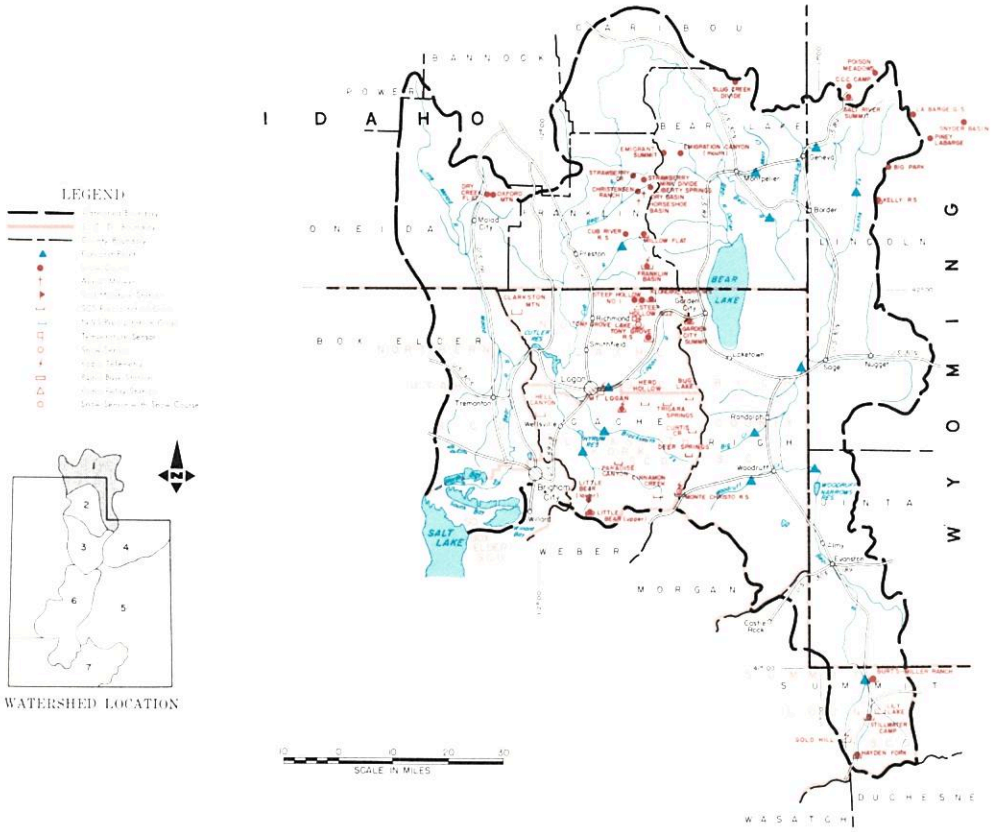
Forecasts indicate that many areas of the State may experience severe water shortages later this year. All water users are encouraged to study the enclosed forecasts that concern their area. You may find you will need to change crops, planted acreage or timing of water application.

The Soil Conservation Service has water conservation tips pamphlets for irrigators, farmers and ranchers. Check with your local SCS office for your free copy.

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, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has improved, but still ranges from 42% on Logan River to 67% on Raft River mountains in the northwestern corner of the state. Bear River is now 45% of the April 1 average.

PRECIPITATION at mountain stations ranges from 74 to 117% of the March average and 33 to 68% for the October-March total.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average in Bear Lake and Hyrum, but below average in Woodruff Narrows and Porcupine.

STREAMFLOW FORECASTS range from 10% of average for the Bear at Harer, to 44% for the Bear near Utah-Wyoming State Line. Logan River is forecast 34%, Blacksmith Fork 18%, and Little Bear 18%. Big Creek is forecast 19%, Woodruff Creek 19%, Thomas Fork 19%, and Smiths Fork 30% of average. The Cub River near Preston is expected to be 36% of average. Water users on direct streamflow are expected to have a poor water supply. Those with storage in Bear Lake are expected to have a near average water supply.

Report prepared by
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USDA SCS PORTLAND OR 1976 M7-OL-22027-1

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear at Harer, Idaho[1]	30	10	Apr-Sept	--	297
Bear nr Randolph	13.3	13	Apr-July	85	102
Bear nr Ut-Wy State Line	45	40	Apr-July	80	112
Bear nr Woodruff	28	21	Apr-July	108	131
Big Creek nr Randolph, Utah	0.8	19	Apr-July	--	4.2b
Blacksmith Fork nr Hyrum	8.7	18	Apr-July	54	48
Little Bear nr Paradise	6.0	18	Apr-June	37	34
Logan nr Logan[1]	38	34	Apr-July	114	113
Smith's Fork nr Border, Wyo.	35	30	Apr-Sept	--	116
Thomas Fork nr Ut-Wy State Ln	6	19	Apr-Sept	--	32
Woodruff Crk nr Woodruff, Ut	2.9	19	Apr-July	13	15.4
Cub River nr Preston, Idaho	18.0	36	Apr-Sept	--	50

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
UPPER BEAR RIVER	11	79	45
LOWER BEAR RIVER	21	89	45
LOGAN RIVER	6	84	42
RAFT RIVER	3	115	67

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1058.3	1034.8	976.4
	Woodruff Narrows	26.5	3.9	26.5	24.5
LITTLE BEAR	Hyrum	15.3	15.6	10.4	12.9
	Porcupine	11.3	4.4	7.0	4.9

+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Big Creek nr Randolph	5-10	41b
Little Bear nr Paradise	150-200	473
Logan River nr Logan	350-450	984
Woodruff Creek nr Woodruff	25-50	240

(a) Maximum mean daily peak flow

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

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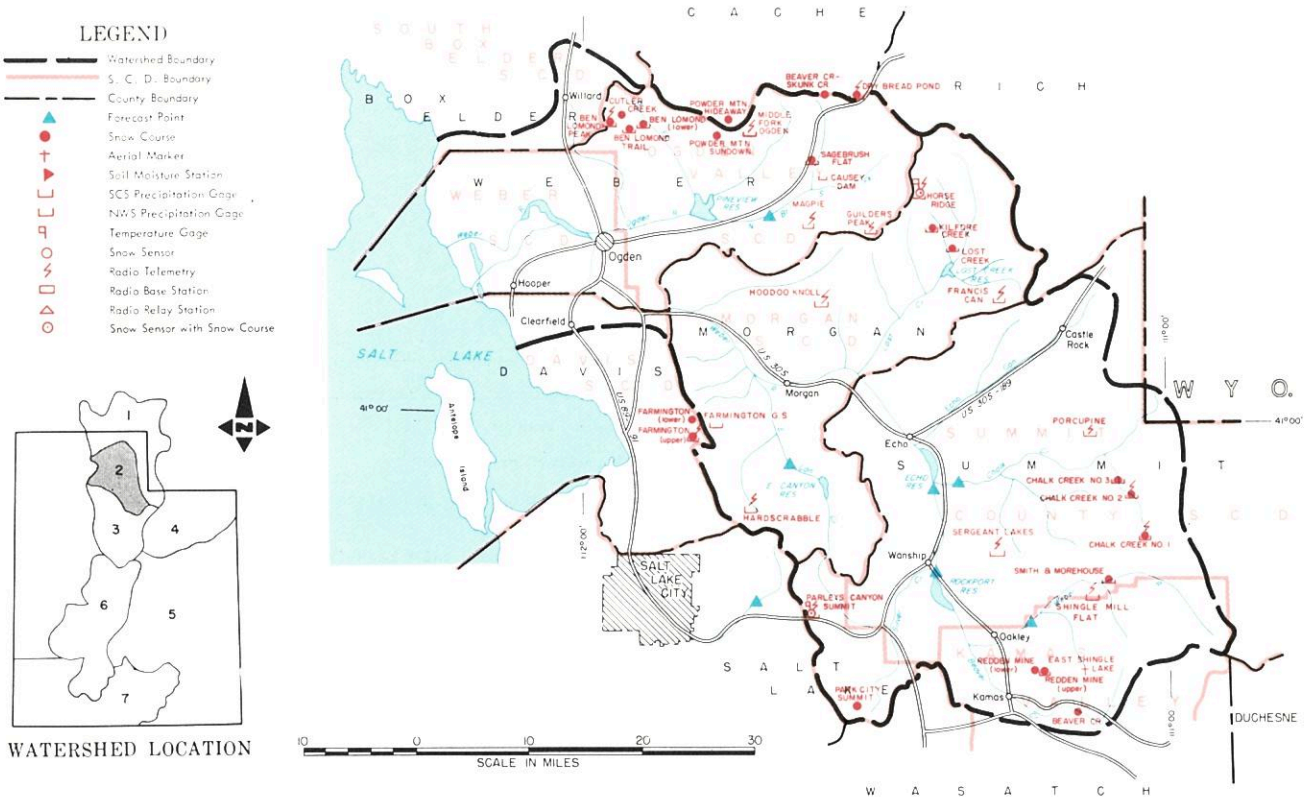
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER has improved 14 to 24% during March, but is still only 36% of the April 1 average on the Ogden River and 57% on the Weber. The Ogden is still well below previous minimums, but the Weber is now 3% above previous lows of 1961.

PRECIPITATION at mountain stations ranged from 75% of the March average on Ogden River stations to 170% at some lower elevation Weber River stations.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is a little above average, but generally less than last year on April 1.

STREAMFLOW FORECASTS range from 15% of the April-June average on Lost Creek to 44% for the Weber at Oakley. Rockport Inflow is expected to be 32% and the Weber at Coalville 30%. Chalk Creek is forecast 17% of average, Lost Creek 15%, East Canyon 30%, and Hardscrabble Creek 41%. The South Fork Ogden is forecast at 38% and total Pineview Inflow at 26%. Most flows this year are expected to be near previous minimum flows in 1961.

Report prepared by
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USDA-SCS-PORTLAND, OREG. 1974 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Chalk Creek at Coalville	5.5	17	Apr-June	29	32
East Canyon Creek nr Morgan[1]	6.5	30	Apr-June	22	22
Hardscrabble Crk nr Portervle	5.9	41	Apr-June	--	14.4b
Lost Creek nr Croydon, Utah	2.1	15	Apr-June	10.9	13.7
Pineview Reservoir Inflow[2]	29	26	Apr-June	93	110
South Fork Ogden nr Huntsvle	19.0	38	Apr-June	43	50
Rockport Reservoir Inflow[1]	37	32	Apr-June	--	114
Weber nr Coalville	34	30	Apr-June	--	113
Weber nr Oakley	44	44	Apr-June	90	100
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	4.7	60	Apr-July	--	7.8

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U.S. Bureau of Reclamation
3 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	6	65	36
WEBER RIVER	12	103	57

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
OGDEN	Causey	6.9	3.6	1.7	2.8
	Pineview	110.1	58.0	53.6	44.7
WEBER	East Canyon	48.1	33.5	31.4	21.0
	Echo	73.9	50.8	52.0	45.7
	Lost Creek	20.0	13.3	14.2	12.0
	Rockport	60.9	30.6	44.4	27.1
	Willard Bay	193.3	152.8	165.3	136.5

+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Chalk Creek nr Coalville	75-150	373
Lost Creek nr Croydon	20-80	206b
South Fork Ogden nr Huntsville	100-200	697

(a) Maximum mean daily peak flows

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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

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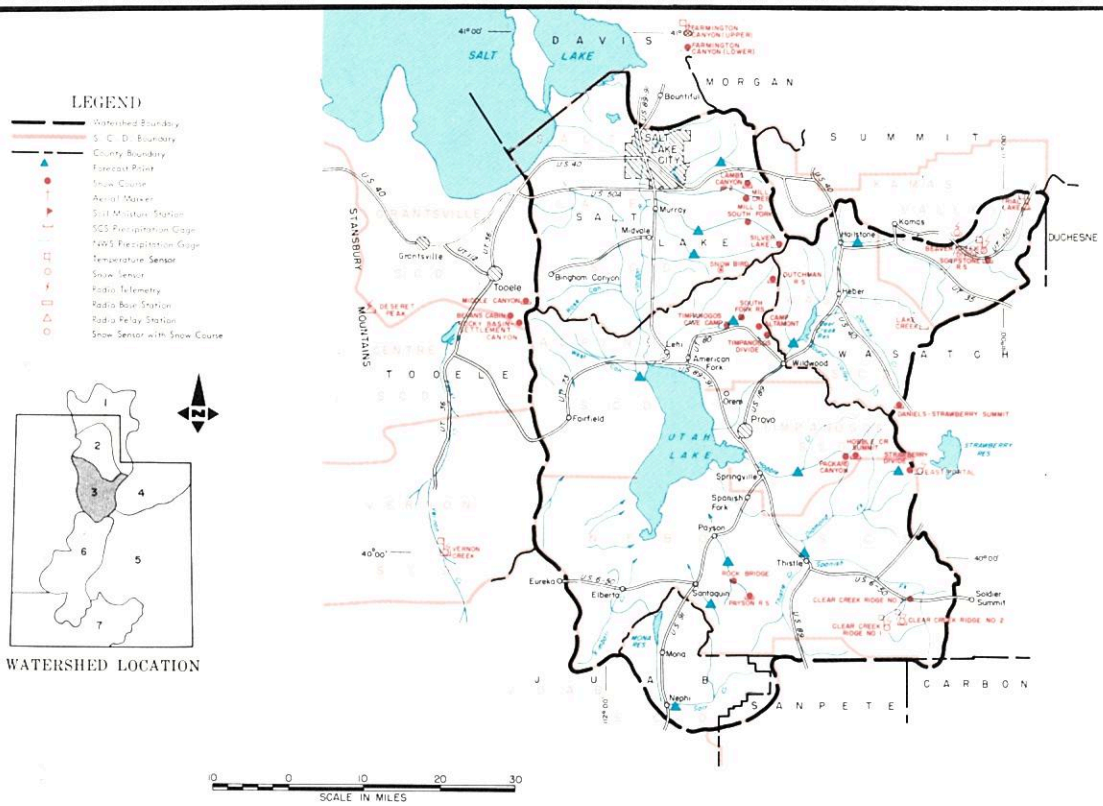

APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER has improved during March and now ranges from 47% on Utah Lake tributaries to 84% for Tooele Valley drainages. Jordan River tributaries near Salt Lake City are now 64% of the April 1 average.

PRECIPITATION at mountain stations ranged from 50% of the March average at Soapstone to 209% at Middle Canyon above Tooele. The October-March total ranges from 32% at Timpanogos Divide and 81% at Middle Canyon

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average, but all reservoirs are below last year on April 1.

STREAMFLOW FORECASTS range from 11% for Strawberry Inflow to 57% of the April-July average for Vernon Creek. The Provo at Hailstone is forecast 25% and 17% at Deer Creek Dam. Spanish Fork is forecast 16%, Hobble Creek 14%, American Fork 42%, Payson Creek 44% and Utah Lake Inflow 34% of the April-July average. Forecasts for the creeks near Salt Lake City range from 26% for Parleys to 50% for Little Cottonwood. Big Cottonwood is forecast 39%, Mill Creek 40%, Emigration Creek 39% and City Creek 41%. Most forecasts are near previous minimums ~~in 1961~~.

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USDA-SCS-PORTLAND OR 1978 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER & UTAH LAKE					
American Fork nr American Frk	12.2	42	Apr-July	-	29
Hobble Creek nr Springville	2.2	14	Apr-July	-	16
Provo nr Hailstone[1]	25.0	25	Apr-July	107	102
Provo below Deer Creek Dam[1]	19.0	17	Apr-July	-	111
Spanish Fork at Thistle	5.0	16	Apr-July	-	32
Strawberry Reservoir Inflow[1]	5.0	11	Apr-July	38	45
Utah Lake Inflow	70	34	Apr-July	-	208
Payson Creek nr Payson	2.8	44	Apr-July	-	6.3[b]
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	14.0	39	Apr-July	-	36
Little Cottonwood Crk nr SLC	17.5	50	Apr-July	-	35
Parley's Creek nr SLC	3.0	26	Apr-July	-	11.7
Mill Creek nr SLC	2.3	40	Apr-July	-	5.7
Emigration Creek nr SLC	1.2	39	Apr-July	-	3.1
City Creek nr SLC	2.8	41	Apr-July	-	6.9
TOOELE VALLEY					
Settlement Creek nr Tooele	0.7	32	Apr-July	-	2.2[b]
Vernon Creek nr Vernon	0.4	57	Apr-July	-	0.6[b]

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	14	118	47
JORDAN RIVER & SALT LAKE	3	147	64
TOOELE VALLEY	3	183	84

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SPANISH FORK	Strawberry	270.0	210.2	247.0	119.2
PROVO RIVER	Deer Creek	149.7	96.7	97.4	95.8
UTAH LAKE	Utah Lake	883.9	790.2	951.2	642.3
	Settlement Creek	1.2	0.7	1.1	-
	Vernon Creek	0.6	0.6	0.6	-

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Hobble Creek nr Springville	10 - 60	210
Spanish Fork nr Thistle	40 - 125	365
Big Cottonwood nr Salt Lake City	150 - 275	310

(a) - Maximum mean daily peak flows

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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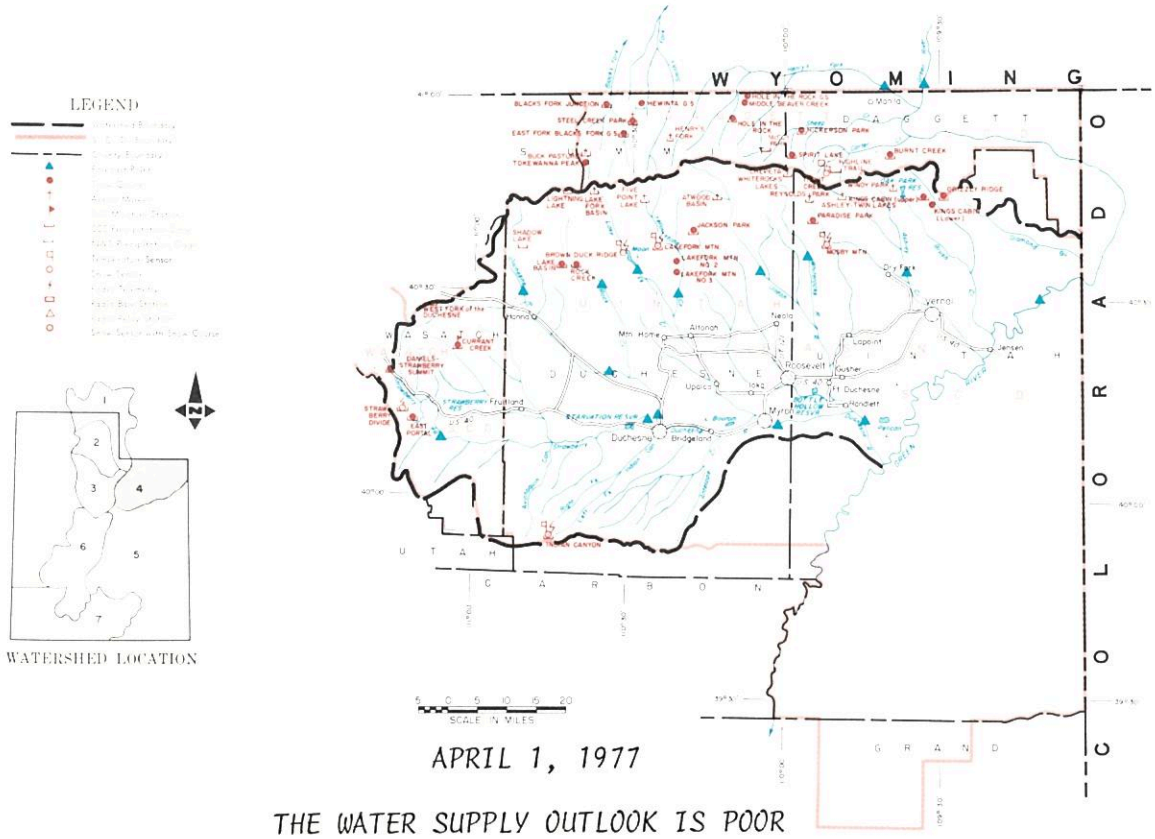

APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 18% on Lakefork-Yellowstone to 36% on Strawberry River. Ashley Creek is 23%, and Uintah-Whiterocks 24% of the April 1 average. The over-all average for the south slope of the Uintahs is 30% while the north slope averages 55%.

PRECIPITATION at mountain stations ranges from 39% for March at Indian Canyon to 201% at Hickerson Park. The October-March totals range from 33 to 98% for the same stations.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average at Moon Lake and Steinaker and well below last year on April 1.

STREAMFLOW FORECASTS range from 3% of average for the Duchesne at Randlett to 46% for the Blacks Fork near Millburne. Most forecasts dropped 2-10% during the month. Duchesne is now 17% at Tabiona and Duchesne, but down to 5% at Myton or near the 1934 low year. Ashley Creek is forecast 37%, Whiterocks 25%, Uintah 22%, Yellowstone 33%, Lakefork 36%, Rock Creek 36%, Currant Creek 10%, and Strawberry 9%. Henrys Fork is forecast 31% and the Inflow to Flaming Gorge 32% of the April-July avearge. Water supply shortages are expected in this area early in the season.

USDA SCS PORTLAND OR 1976 M7-OL-22027-4

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UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona[1]	17.3	17	Apr-July	- -	104
Duchesne at Duchesne[1]	30.8	17	Apr-July	- -	185
Duchesne at Myton[1]	10.8	5	Apr-July	- -	205
Duchesne at Randlett[1]	7.4	3	Apr-July	- -	220
Lakefork below Moon Lake[1]	25	36	Apr-July	- -	69
Rock Creek nr Mtn Home	34	36	Apr-July	- -	94
Strawberry at Duchesne	5.0	9	Apr-July	- -	56
Uintah nr Neola	19.4	22	Apr-July	59	88
Whiterocks nr Whiterocks	14.5	25	Apr-July	47	58
Yellowstone nr Altonah	21.5	33	Apr-July	- -	65
Currant Creek nr Fruitland	1.9	10	Apr-July	- -	20
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	18.4	37	Apr-July	44	50
Henry's Fork at Linwood	14.0	31	Apr-Sept	- -	45
Flaming Gorge Inflow[1]	375	32	Apr-July	1329	1174
Black's Fork nr Millburne	43	46	Apr-July	71	94

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER	12	82	30
STRAWBERRY RIVER	4	140	36
LAKEFORK-YELLOWSTONE	2	72	18
UINTAH-WHITEROCKS	2	55	24
ASHLEY-BRUSH CREEKS	2	57	23

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
ASHLEY CREEK	Steinaker	33.3	21.0	29.2	26.0
GREEN RIVER	Flaming Gorge	3749.0	2756.4	3332.3	1588.0
LAKE FORK	Moon Lake	35.8	8.5	21.6	19.2
STRAWBERRY	Starvation	165.3	165.9e	143.1	- -
UINTAH	Bottle Hollow	11.3	10.6	10.8	- -

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average †
Ashley Creek nr Vernal	200 - 300	906
Strawberry at Duchesne	75 - 100	628

(a) - Maximum mean daily peak flow

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WATER SUPPLY OUTLOOK

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

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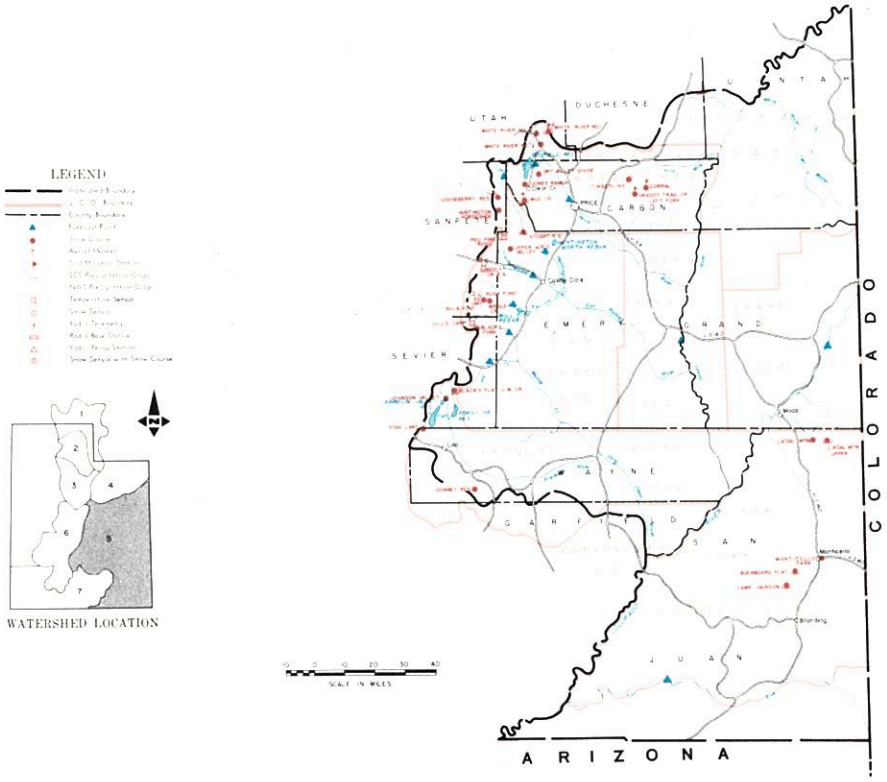
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 16% of the April 1 average on the Blue Mountains near Monticello to 44% of average for the San Rafael drainage. Price watershed is 32% of average and the LaSal Mountains above Moab 42%.

PRECIPITATION at mountain stations ranged from 52% of the March average at Camp Jackson on Blue Mountains to 123% at Red Pine Ridge on the San Rafael. October-March totals range from 27 to 68% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is near average, but generally below last year at this time.

STREAMFLOW FORECASTS range from 11% of average for the Price near Heiner to 47% for Seven Mile Creek near Fish Lake. Scofield Inflow is forecast 16%, Huntington Creek 32%, Cottonwood Creek 28%, Ferron Creek 35%, and Muddy Creek 35% of the April-July average. Mill Creek near Moab is forecast 33%, San Juan near Bluff 30%, Colorado near Cisco 31%, and the Green near Green River 38% of the April-July average. Water supply shortages are expected early in the season for areas without reservoir storage.

USDA-SCS-PORTLAND OR 1976 M7-OL-22027-5

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

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR: FORECAST: Thousand Acre Feet	THIS YEAR: FORECAST: Percent of Average	FORECAST PERIOD	PAST RECORD: THOUSAND ACRE FEET: Last Year 2	PAST RECORD: THOUSAND ACRE FEET: Average +
PRICE RIVER					
Gooseberry Creek nr Scofield	2.8	28	Apr-July	- -	10.0
Price nr Heiner[1]	6.8	11	Apr-July	- -	64b
Scofield Reservoir Inflow	5.3	16	Apr-July	- -	34
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	13.0	28	Apr-July	- -	46b
Ferron Creek nr Ferron	12.2	35	Apr-July	33	35
Huntington Crk nr Huntington	14.3	32	Apr-July	- -	45
MUDDY CREEK					
Muddy Creek nr Emery	6.0	35	Apr-July	- -	17.0
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	884	31	Apr-July	2029	2835
Green at Green River, Utah	1078	38	Apr-July	2251	2839
Navajo Reservoir Inflow	191	32	Apr-July	- -	597
San Juan nr Bluff, Utah	258	30	Apr-July	634	853
Mill Creek nr Moab	1.6	33	Apr-July	5.9	4.9
FREMONT RIVER					
Seven Mile Creek nr Fish Lake	3.0	47	Apr-July	- -	6.4b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF: MINIMUM	THIS YEAR AS A PERCENT OF: Average
PRICE RIVER	7	96	32
MILL CREEK	2	118	42
SAN JUAN RIVER	2	144	16
SAN RAFAEL RIVER	8	79	44

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE: This Year	USEABLE STORAGE: Last Year	USEABLE STORAGE: Average+
PRICE RIVER	Scofield	65.8	30.2	45.5	31.0
SAN RAFAEL	Huntington North	3.9	4.3	4.2	2.9
	Joe's Valley	54.6	37.9	49.5	32.9
	Mill Site	16.7	2.0	6.4	- -
SAN JUAN	Navajo	1696.0	1103.6	1090.8	- -

+ - 1958-72 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a): Forecast Range	PEAK FLOW (SECOND FEET) (a): Average +
Ferron Creek nr Ferron	75 - 150	419
Muddy Creek nr Emery	40 - 70	157

(a) - Maximum mean daily peak flow

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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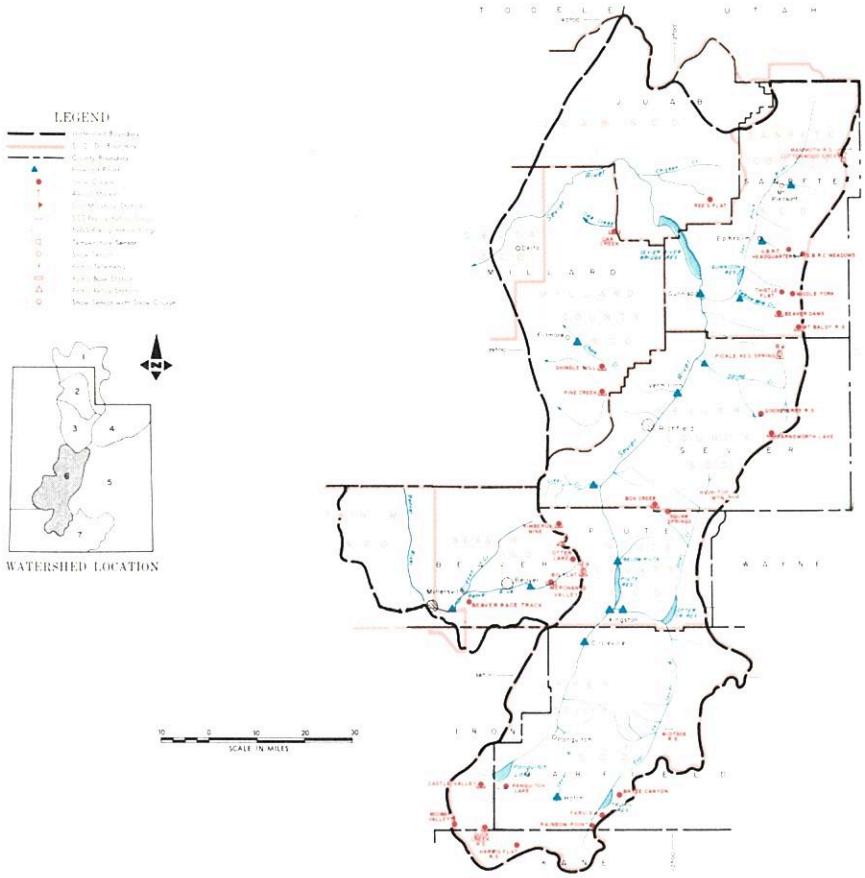
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from 29% of the April 1 average on the South Fork Sevier to 89% on Chalk Creek near Fillmore. The East Fork Sevier is 35% of average and the Lower Sevier including Salina Creek and the San Pitch River is 68%. The Beaver River is 54% of the April 1 average snow water content. The only area still below previous minimum water contents is the South Fork of the Sevier.

PRECIPITATION at mountain stations ranges from 47% of the March average at Duck Creek R.S. to 141% at Castle Valley. The October-March totals ranged from 41% of average at Duck Creek to 83% of average at Panguitch Lake.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average in Piute, Minersville, and Gunnison reservoirs, about average in Otter Creek and about 7% above average in Sevier Bridge Reservoir. None of these reservoirs are expected to fill this season.

STREAMFLOW FORECASTS range from 12% of the April-July average for the South Fork at Kingston to 44% for Chalk Creek. Sevier River forecasts are as follows: Hatch 29%, Circleville 30%, East Fork 28%, Clear Creek 35%, and Gunnison 32%. Salina Creek forecast is 16% of average and Ephraim Creek 38%. Beaver River is forecast 36% and the Inflow to Minersville Reservoir 16%. Short water supplies are expected in this area for all users without adequate reservoir storage.

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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Chalk Creek nr Fillmore	6.8	44	Apr-July	--	15.5b
Clear Crk nr Sevier (abv Div)	5.3	35	Apr-July	11.0	15.0
East Fork Sevier nr Kingston	4.0	28	Apr-July	--	14.4
Antimony Creek nr Antimony	3.0	41	Apr-July	--	7.3
Inflow					
Kingston to Vermillion Dam	11.5	23	Apr-June	--	50
Vermillion Dam to Gunnison	16.5	42	Mar-June	--	39
Salina Creek at Salina	1.3	16	Apr-June	3.1	8.1b
Sevier nr Circleville	8.5	30	Apr-July	--	28
Sevier nr Gunnison	12.5	32	Apr-July	22	39
Sevier at Hatch	12.0	29	Apr-July	25	41
Sevier nr Kingston	2.5	12	Apr-July	7.9	21
Sevier below Piute Dam[1]	5.0	15	Apr-July	--	33
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	5.3	38	Apr-July	--	13.9b
Pleasant Creek nr Mt. Pleasant	2.8	36	Apr-July	--	7.8
BEAVER RIVER					
Beaver nr Beaver	7.1	36	Apr-July	9.2	20
Minersville Reservoir Inflow[1]	0.9	16	Apr-June	--	5.8

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Minimum	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER	9	107	36
EAST FORK SEVIER	6	109	35
SOUTH FORK SEVIER	7	88	29
LOWER SEVIER	12	138	68
CHALK CREEK	2	135	89
BEAVER RIVER	3	205	54

1 - Observed flow corrected for change in storage and diversions
2 - Provisional Flows - subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	4.4	18.2	14.9
	Otter Creek	52.5	34.1	46.8	34.0
	Piute	71.8	29.4	53.8	46.8
	Sevier Bridge	236.0	125.1	197.6	116.1
BEAVER RIVER	Minersville (Rky Fd)	23.3	9.6	14.5	14.3

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Beaver nr Beaver	50 - 80	212
Clear Creek nr Sevier	45 - 65	170
Salina Creek nr Salina	10 - 40	235
Sevier River at Hatch	60 -100	418
Sevier River at Circleville	65 -110	304
Sevier River at Kingston	30 - 75	263

(a) Maximum mean daily peak flows

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
Sevier at Hatch	100	May 23	July 10
Sevier at Circleville	90	May 13	June 24
Clear Crk nr Sevier (Abv Div.)	5	July 10	July 28
Salina Creek at Salina	25	May 8	June 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
SEVIER RIVER			
Panguitch Valley	55	82	April-Sept.
Circle Valley	33	65	April-Sept.
Sevier Valley	22	38	April-Sept.
Below Vermillion Dam	35	55	April-Sept.

Inflow to Sevier Bridge Reservoir for the October-March period was 59080 acre feet.

Below Vermillion - No flow above 360 cfs is expected.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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Salt Lake City, Utah 84138

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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

APRIL 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has improved, but still ranges from only 8% of the April 1 average on the Enterprise-New Harmony drainages to 46% on Parowan Creek. Coal Creek is now 29% and Virgin River 28% of the April 1 average for the 1958-72, 15 year period.

PRECIPITATION at mountain stations was generally 10 to 15% above the March average, but the October-March total is still only about 50 to 60% of average for this area of the state.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is reported below average in small reservoirs. Lake Powell now has 17,943,000 acre feet, down 1,795,000 acre feet from last year at this time.

STREAMFLOW FORECASTS range from 19% of average on Santa Clara to 35% on the Virgin near Virgin. Coal Creek is forecast 26% of the April-July average and the Inflow to Lake Powell is 31% of average. All of these forecasts are near previous low flows on record and are expected to recede very early in the season, causing very short water supplies this season.

Report prepared by
BOB L. WHALEY
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FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

USDA-SCS-PORTLAND OR 1976 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
COAL CREEK					
Coal Creek nr Cedar City	4.2	26	Apr-July	9.7	16.1
UPPER COLORADO					
Lake Powell Inflow	2150	31	Apr-July	5395	6881
VIRGIN RIVER					
Virgin nr Virgin	17.0	35	Apr-June	23e	48b
Santa Clara nr Pine Valley	0.7	19	Apr-June	2.2	3.6b

2 - Provisional flows subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF MINIMUM	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	85	29
PAROWAN CREEK	5	104	46
VIRGIN RIVER	2	93	28
ENTERPRISE TO NEW HARMONY	2	- -	8

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
COLORADO	Lake Powell	25002.0	17943.0	19738.0	8462.1
	Blue Mesa	829.5	379.7	423.2	--

b - Average of all past record - less than 15 years
+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) (a) Forecast Range	PEAK FLOW (SECOND FEET) (a) Average +
Coal Creek	40-75	245
Virgin River	150-200	631b

(a) Maximum mean daily peak flow

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Minimum	Water Content (inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	4/1	36	8.5	14.1	21.2						
Burts-Miller Ranch	4/4	13	4.1	1.6	5.9	4/4	3.57e	- -	6.14a	9.03a	68
CCC Camp	3/30	29	7.2	6.9	12.2						
Hayden Fork	4/4	35	9.9	8.9	16.2b	4/4	5.58a	- -	11.49	20.48a	56
Kelley R.S.	4/1	35	7.7	11.4	18.9						
Monte Cristo R.S.	3/31	41	11.2	12.6	26.1	3/31	5.52	4.73b	11.83	27.62b	43
Piney LaBarge #2	3/29	34	8.9	12.7	23.8						
Poison Meadows	3/29	45	11.7	21.4	30.8						
Salt River Summit	3/31	33	7.9	10.0	16.2	3/31	3.00	2.57	6.94	16.74	41
Snider Basin	3/29	24	5.7	6.5	16.6						
Stillwater Camp	4/4	27	6.9	7.3	11.3	4/4	4.22	- -	8.16	12.01	68
LOWER BEAR RIVER (Below Harer, Idaho)											
Christensen Ranch	3/30	19	4.9	0.0	7.1						
Cliff Canyon	3/30	12	2.8	- -	- -						
Cub River R.S.	3/30	18	5.7	0.0	6.1						
Daniels Creek	3/30	5	1.3	- -	- -						
Dry Basin	3/30	50	13.2	19.9	30.0a						
Dry Creek Flat	3/30	0	0.0	0.0	3.3	3/30	2.33	- -	- -	- -	- -
Emigrant Summit	3/28	40	10.1	16.2	25.4						
Emigration Canyon	3/28	20	4.7	4.8	10.7						
Franklin Basin	3/30	48	14.0	12.6	28.0						
Garden City Summit	3/30	22	5.3	2.3	19.2	3/30	2.54	3.04b	7.00	19.72b	35
Horseshoe Basin	3/30	47	13.4	19.9	28.1a						
Klondike Narrows	3/30	32	9.0	13.9	20.7	3/30	2.64	3.59b	7.84a	22.62b	35
Liberty Springs	3/30	64	16.4	24.2	36.8						
Little Bear (lower)	3/31	17	5.1	1.1	9.5						
Little Bear (upper)	3/31	25	6.8	4.3	12.0						
Lower Elkhorn	3/30	17	5.1	- -	- -						
Oxford Mountain	3/31	15	3.8	4.9	8.2						
Slug Creek Divide	3/31	30	8.3	10.0	16.7						
Steep Hollow #1	3/30	61	16.4	26.0	38.2b						
Steep Hollow #2	3/30	42	13.0	18.8	28.8b						
Strawberry Creek	3/28	18	4.7	0.0	10.0						
Strawberry Mink Divide	3/30	36	9.0	12.4	21.5						
Tony Grove Lake	3/30	56	15.2	- -	- -						
Tony Grove R.S.	3/30	16	4.1	0.0	11.9	3/30	1.91	2.51a	5.96	18.12a	33
Upper Elkhorn	3/30	26	5.9	- -	- -						
Willow Flat	3/30	21	6.0	3.7	13.3	3/30	3.72	3.78b	9.59	22.80b	42
Worm Creek	3/30	29	8.3	- -	- -						
RAFT RIVER											
Clear Creek Meadows	3/30	40	9.5	12.3	20.9b						
George Peak	3/30	38	9.8	- -	- -						
One Mile Summit	3/30	17	4.0	5.0	7.8b						
Vipont (A)	3/30	26	6.5	8.6	15.8b						
OGDEN RIVER											
Beaver Creek-Skunk Creek	3/31	12	3.5	6.5	11.5						
Ben Lomond Peak	3/31	39	11.6	23.5	35.4						
Ben Lomond (lower)	3/31	22	5.3	4.0	14.5	3/31	2.61	3.48	6.40	24.73	26
Causey Dam						3/31	1.71	2.28a	4.18	14.31a	29
Cutler Creek	3/31	30	9.2	13.8	25.7						
Dry Bread Pond	3/31	25	8.6	10.7	18.1	3/31	4.02	3.56b	8.25	20.77b	40
Sagebrush Flat	3/31	0	0.0	0.0	1.6	3/31	1.89	2.28b	4.60	14.32b	32
WEBER RIVER											
Beaver Creek R.S.	4/1	14	3.4	0.0	7.2						
Chalk Creek #1	4/4	47	11.5	16.4	22.4						
Chalk Creek #2	4/4	39	10.0	9.9	15.3						
Chalk Creek #3	4/4	26	6.3	0.1	7.4	4/4	4.40	2.59a	8.30	12.12a	68
East Shingle Lake (A)	3/30	48	13.0	- -	- -						
Farmington Canyon (lower)	3/31	53	13.8	13.2	22.2	3/31	5.71	4.68	14.58	25.25	58
Farmington Canyon (upper)	3/31	64	17.1	20.2	29.5						
Farmington G.S.						3/31	5.99	- -	15.22	- -	- -

+ 1958-1972 period.

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	Minimum	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
WEBER RIVER (continued)											
Horse Ridge	3/31	34	9.7	17.1	22.8b	3/31	4.91	3.61a	10.55	26.22a	40
Kilfoil Creek	3/31	24	5.5	10.6	13.6a						
Lost Creek Reservoir	3/31	0	0.0	0.0	1.5a	3/31	1.63	1.58a	- -	- -	- -
Park City Summit	3/31	58	18.9	- -	- -						
Parley's Canyon Summit	3/31	53	13.7	5.5	17.9	3/31	6.60	3.86	13.12	22.02	60
Redden Mine (lower)	4/5	36	10.5	9.4	18.5						
Redden Mine (upper)						4/5	6.21	3.71a	12.68	19.97a	63
Sergeant Lake (A)	3/30	40	9.6	- -	- -						
Smith & Morehouse	4/1	29	7.5	3.1	13.2	4/1	5.16	3.15	10.06	18.09	56
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	4/1	17	5.2	3.0	7.3						
Camp Altamont	3/29	12	3.3	3.5	13.6						
Clear Creek Ridge #1	4/4	33	9.0	10.4	18.1						
Clear Creek Ridge #2	4/4	29	6.8	5.9	13.4	4/4	2.90	2.78	7.27	15.30	48
Clear Creek Ridge #3	4/4	1	0.2	0.0	5.5						
Dutchman R.S.	3/31	20	6.9	4.7	16.0	3/31	3.40	3.13b	9.60	20.95b	46
Hobble Creek Summit	3/31	20	5.9	5.7	12.9	3/31	2.45	2.78	7.32	16.66	44
Packard Canyon	3/31	12	4.9	0.0	8.2						
Payson R.S.	4/4	35	11.1	9.9	17.3	4/4	- -	3.06	10.35	17.69	58
Rock Bridge	4/4	27	8.9	3.6	10.8						
Soapstone R.S.	4/5	21	5.9	0.1	12.1	4/5	3.18	2.47	7.89	15.69	50
South Fork R.S.	3/29	7	1.3	0.0	2.9						
Timpanogos Cave Camp	3/29	5	0.6	0.0	0.8						
Timpanogos Divide	3/31	24	7.9	10.8	23.1	3/31	2.35	3.41	7.90	24.50	32
Trial Lake	4/5	35	9.3	16.0	23.9	4/5	4.00	3.76	10.62	23.02	46
JORDAN RIVER & GREAT SALT LAKE											
Bevans Cabin	3/29	38	10.2	1.4	10.0						
Deseret Peak	4/4	43	12.5	- -	- -						
Lamb's Canyon	3/31	40	11.4	6.8	14.6						
Lamb's Canyon #2	3/31	42	11.6	- -	- -	3/31	4.26	- -	8.98	- -	- -
Middle Canyon	3/28	33	11.1	5.2	13.0	3/28	6.75	3.23b	13.55	16.65b	81
Mill Creek	3/28	54	14.1	- -	- -						
Mill D South Fork	3/30	44	14.2	9.5	19.4						
Mt. Dell Dam						3/31	2.93	2.27	6.57a	13.35	49
Rocky Basin-Settlement Canyon	4/4	64	19.0	15.4	25.0	4/4	- -	- -	12.76	- -	- -
Silver Lake (Brighton)	3/30	44	12.1	9.4	24.8	3/31	5.64	5.02	14.30	27.69	52
Snow Bird (Gad Valley)	4/2	64	17.8	- -	- -						
Vernon Creek	3/27	9	3.0	- -	- -	3/27	2.50	- -	7.33	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	3/29	27	7.7	6.6	12.9	3/29	3.70	2.65	9.83	13.70	61
Bryce Canyon	3/28	0	0.0	0.0	2.7						
Castle Valley	3/29	15	4.6	6.7	11.9	3/28	3.80	2.69	8.77	14.55	60
Duck Creek R.S.	3/28	2	0.3	1.6	12.0	3/28	1.90	3.02b	7.00	17.25b	41
Farview	3/28	5	1.2	- -	- -						
Harris Flat	3/28	0	0.0	0.0	6.9						
Kimberly Mine	3/29	37	9.8	7.2	15.6	3/29	4.80	4.08b	11.04	17.32b	64
Midway Valley	3/28	30	7.1	8.8	20.8	3/28	3.25	- -	8.80	- -	- -
Panguitch Lake	3/28	1	0.1	0.0	2.9	3/28	1.65	1.24b	5.97a	7.19b	83
Rainbow Point	3/28	2	0.6	- -	- -						
Squaw Springs	3/29	14	4.1	0.0	6.4						
Widtsoe R.S.						3/28	.39	.83	1.85a	5.18	36
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	4/4	29	9.2	0.3	11.0	4/4	3.58a	2.75	7.83a	13.27	59
Farnsworth Lake	3/29	48	13.1	10.9	18.5	3/29	5.55	4.34	14.45	19.10	76
G.B.R.C. Headquarters	4/4	33	10.3	8.0	16.4	4/4	4.30	3.30	11.05	17.60	63
G.B.R.C. Majors						3/31	1.57	1.80	4.53	9.80	46
G.B.R.C. Meadows	4/4	52	14.3	11.8	22.7	4/4	5.20	4.40	13.26	22.40	59
G.B.R.C. Oaks						3/31	2.12	2.20	6.00	11.80	51
Gooseberry R.S.	3/29	32	9.2	5.3	11.2	3/29	3.85	- -	10.05	- -	- -
Mammoth-Cottonwood Creek	4/4	33	10.1	9.5	20.6	4/4	3.00	3.29b	10.15	18.64	54
Middle Fork	3/29	53	14.4	17.4	23.7						
Mt. Baldy R.S.	4/4	44	12.0	14.9	22.5	4/4	4.45e	3.42b	10.20a	17.28b	59
Oak Creek	3/31	32	9.0	- -	- -	3/31	3.63	2.18a	8.59	14.64a	59

+ 1958-1972 period.

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Minimum	Average †	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
LOWER SEVIER RIVER (continued)											
Pickle Keg Springs	4/1	36	11.6	7.8	16.0b						
Pine Creek	3/29	42	13.1	0.0	14.3	3/29	6.40	4.78	17.20	22.42	77
Ree's Flat	4/4	34	10.0	5.5	12.1	4/4	3.42e	- -	8.83a	- -	- -
Shingle Mill	3/31	22	7.2	1.5	8.5b	3/31	3.80	2.98b	9.55	13.71b	70
Thistle Flat	3/29	41	12.2	9.8	15.8						
BEAVER RIVER											
Beaver Race Track	3/31	0	0.0	- -	- -						
Beaver Canyon Power House						3/31	2.65	1.83	5.79	8.90	65
Big Flat	3/29	36	8.5	2.3	17.2	3/29	2.90	3.49	8.95	16.39	55
Merchant's Valley (upper)	3/29	20	5.7	0.0	- -	3/29	3.95	3.01a	9.64	13.83a	70
Otter Lake	3/29	28	7.1	8.2	13.9						
PAROWAN CREEK											
Birch Crossing	3/30	2	0.7	0.0	5.3a						
Brian Head	3/28	42	9.7	13.2	20.7a						
Ed Ward Flat	3/28	12	3.3	0.0	7.0						
Tall Poles	3/30	28	7.8	9.8	14.2a	3/29	4.65	3.18a	10.15	17.89a	57
Yankee Reservoir	3/28	20	4.9	1.9	8.8	3/28	3.70	2.66b	8.20	11.79b	69
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	3/28	0	0.0	0.0	1.1b	3/28	.25	1.78b	- -	13.03b	- -
Long Flat	3/28	3	0.5	0.0	4.8	3/28	2.35	2.34b	5.80	10.95b	53
COAL CREEK											
Cedar City Golf Course	3/30	0	0.0	- -	- -						
SUSC Ranch	3/30	0	0.0	0.0	5.4a						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	3/30	18	3.8	- -	- -						
Black's Fork G.S.-East Fork	4/4	28	6.4	6.3	9.4b	4/4	4.18	2.44b	8.42	11.87b	71
Black's Fork Junction	4/4	28	6.4	7.2	9.3b	4/4	4.28	2.28b	7.84	11.53b	68
Buck Pasture (A)	3/30	42	9.7	- -	- -						
Burnt Creek	3/28	9	2.0	- -	- -	3/28	1.80	1.48b	3.90	9.01b	43
Grizzly Ridge	3/28	15	3.3	- -	- -	3/28	2.47	2.20b	5.47	13.44b	41
Henry's Fork (A)	3/30	38	9.5	- -	- -						
Hewinta G.S.	4/4	27	6.7	6.3	9.9	4/4	4.38	2.55b	8.30	12.50b	66
Hickerson Park	4/4	21	4.8	3.5	6.3b	4/4	3.29	1.64a	8.15	8.29a	98
Highline Trail	4/4	32	6.1	- -	- -	4/4	2.83	- -	- -	- -	- -
Hole-in-the-Rock	4/1	20	3.4	2.8	6.0						
Hole-in-the-Rock G.S.	4/1	3	1.0	0.0	2.0						
King's Cabin (lower)	4/4	5	1.2	3.3	8.5						
King's Cabin (upper)	4/4	15	3.2	4.4	10.4	4/4	2.32	2.16	7.19	11.26	64
Middle Beaver Creek	4/1	8	1.4	3.0	5.1						
Reynolds Park (A)	3/30	27	5.7	- -	- -						
Spirit Lake	4/4	32	7.9	5.6	13.0b	4/4	4.49	2.65b	9.74	14.16b	69
Steel Creek Park	4/4	44	10.1	11.0	15.8b						
Trout Creek	4/4	18	4.6	- -	- -	4/4	2.97	- -	- -	- -	- -
Windy Park (A)	3/30	12	3.1	- -	- -						
DUCHESNE RIVER											
Atwood Lake (A)	3/30	18	4.0	- -	- -						
Brown Duck Ridge	4/5	29	7.0	- -	- -	4/5	2.47	- -	- -	- -	- -
Chepeta-Whiterocks (A)	3/30	32	6.7	- -	- -						
Currant Creek	3/31	3	0.9	0.8	8.2b	3/31	2.60	- -	5.95	13.62	44
Daniels-Strawberry Summit	3/31	21	6.7	4.3	14.1	3/31	3.10	3.01	8.10	17.61	46
East Portal	3/30	16	5.0	1.7	10.8	3/30	2.81	2.49b	7.19	18.17b	40
Five Points Lake (A)	3/30	29	6.1	- -	- -						
Indian Canyon	4/1	12	3.1	5.8	12.5	4/1	.80	2.03b	4.39a	13.28b	33
Jackson Park	4/5	23	5.1	7.2	12.7	4/5	2.80	- -	7.60	12.80a	59
Lake Basin	4/5	32	9.6	- -	- -	4/5	2.78	- -	7.58	- -	- -
Lakefork Basin (A)	3/30	36	7.6	- -	- -						
Lakefork Mountain	4/5	15	3.1	4.3	11.1	4/5	2.43	2.02	7.77	12.24	63
Lakefork Mountain #2	Not Measured										
Lakefork Mountain #3	4/5	0	0.0	0.0	5.8						

† 1958-1972 period.

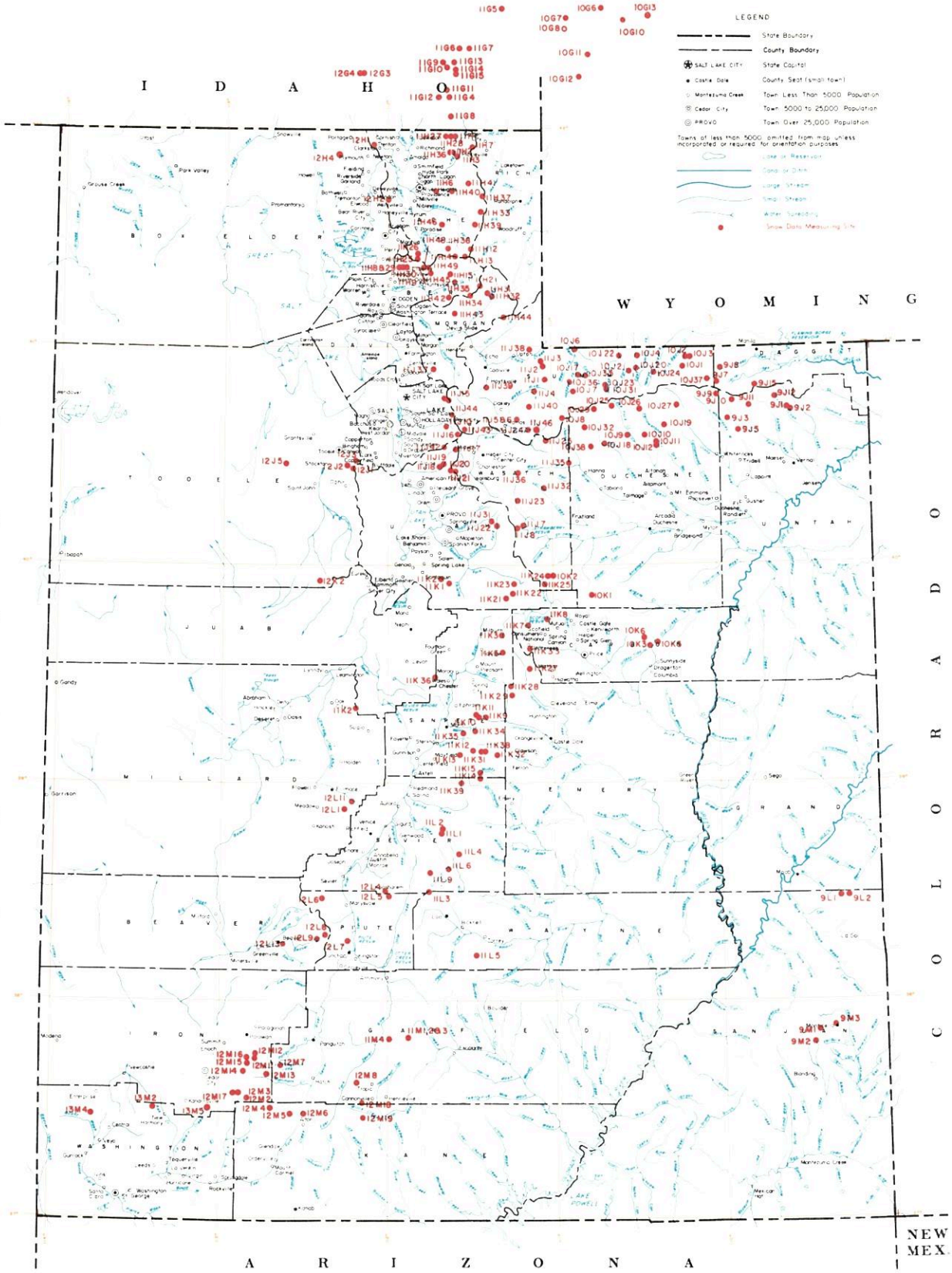
USDA-SCS PORTLAND OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Minimum	Average +	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
DUCHESNE RIVER (continued)											
Lightning Lake (A)		Not Measured									
Mosby Mountain	4/5	10	2.0	4.7	9.6	4/5	1.52	1.67a	- -	10.83a	- -
Paradise Park	4/5	15	3.2	4.6	12.1	4/5	2.52	1.94b	6.39	14.89b	43
Rock Creek Ranch	4/5	2	0.8	1.7	5.9	4/5	1.45	- -	5.37	10.93	49
Shadow Lake (A)		Not Measured									
Strawberry Divide	3/30	33	8.2	8.0	18.9						
PRICE RIVER											
Corral	4/6	0	0.0	0.0	6.8						
Dry Valley Divide	3/31	10	3.0	0.0	9.2						
Gooseberry Reservoir	4/4	32	9.2	10.7	19.0	4/4	3.15	3.18	9.25	18.18	51
Grassy Trail-Left Fork	4/6	0	0.0	0.0	8.2						
Jones Ranch	3/31	0	0.0	0.0	5.2						
Mud Creek	4/1	13	3.8	6.5	13.2	4/1	2.05	2.60b	6.20	14.20b	44
Timberline	4/6	11	3.3	6.0	14.1b						
White River #1	4/1	15	5.1	6.8	12.6	4/1	2.10	2.19	6.15	13.27	46
White River #2	4/1	2	0.9	0.0	7.5						
White River #3	4/1	4	1.1	0.0	6.6						
SAN RAFAEL RIVER											
Buck Flat	4/1	27	8.3	9.9	16.2	4/1	2.55	3.01	9.15	17.30	53
Huntington-Horseshoe	4/4	44	13.1	15.8	23.7b						
Orange Olsen	4/1	0	0.0	- -	- -	4/1	.75	1.05a	4.01a	8.98a	45
Red Pine Ridge	4/1	28	8.5	12.2	17.5b	4/1	4.30	3.49	11.45	20.31	56
Rush Pond	4/1	18	5.2	7.8	13.6						
Seeley Creek R.S.	4/4	29	7.2	7.7	16.8	4/4	6.15	- -	- -	- -	- -
Stuart R.S.	4/1	1	0.1	0.0	7.2	4/1	1.30	- -	4.85	12.16	40
Upper Joe's Valley	4/1	11	3.2	4.6	10.0						
Wrigley Creek	4/1	18	5.3	6.1	10.8						
MUDDY RIVER											
Black's Fork	4/1	19	5.4	5.8	13.2						
Dill's Camp	4/1	18	4.7	4.9	11.8	4/1	1.70	- -	7.60	14.33a	53
FREMONT RIVER											
Black's Flat-U.M. Creek	3/29	21	5.5	5.6	10.4	3/29	2.25	2.81	7.89	12.15	65
Donkey Reservoir	3/30	12	2.3	2.1	7.4b						
Fish Lake	3/29	15	4.8	0.0	6.0	3/29	2.15	1.82b	6.35	9.36b	68
Johnson Valley	3/29	10	2.8	0.0	6.3						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	3/30	10	2.4	2.2	11.8	3/30	2.01	3.02	4.91	18.02	27
Camp Jackson	3/30	7	1.2	0.3	11.2	3/30	1.30	2.52b	4.74	15.92b	30
LaSal Mountain (lower)	3/29	11	3.4	0.0	9.0						
LaSal Mountain (upper)	3/29	27	7.0	8.8	15.7	3/29	3.10	3.41b	7.81	15.67b	50
Monticello City Park	3/30	0	0.0	- -	- -						
ESCALANTE RIVER											
Widtsoe-Escalante Summit	3/28	0	0.0	0.4	5.9						
Widtsoe-Escalante #2	3/28	10	1.6	2.8	8.4						
Widtsoe-Escalante #3	3/28	13	2.7	5.0	10.2b	3/28	2.52	2.23	6.38	12.60	51
VIRGIN RIVER											
Kolob-Crystal	3/28	22	6.1	- -	- -						
Long Valley Junction	3/28	0	0.0	0.0	2.7						
Webster Flat	3/28	20	5.1	5.5	15.6	3/28	4.05	3.60	10.90	19.27	57

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period.

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,000,000

ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H45P	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
	U	Payson R.S.	30	10S	3E	8,050
	U	Rock Bridge	14	10S	2E	6,750
	U	Soapstone R.S.	9	3S	8E	7,800
	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5a	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickenson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver C[illegible]	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek P[illegible]	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	9E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7F	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temp
10J7PST	Snotel Data Site

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAY 1, 1977

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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STATE ENGINEER
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UTAH STATE DEPT. OF NATURAL RESOURCES

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor
and
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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

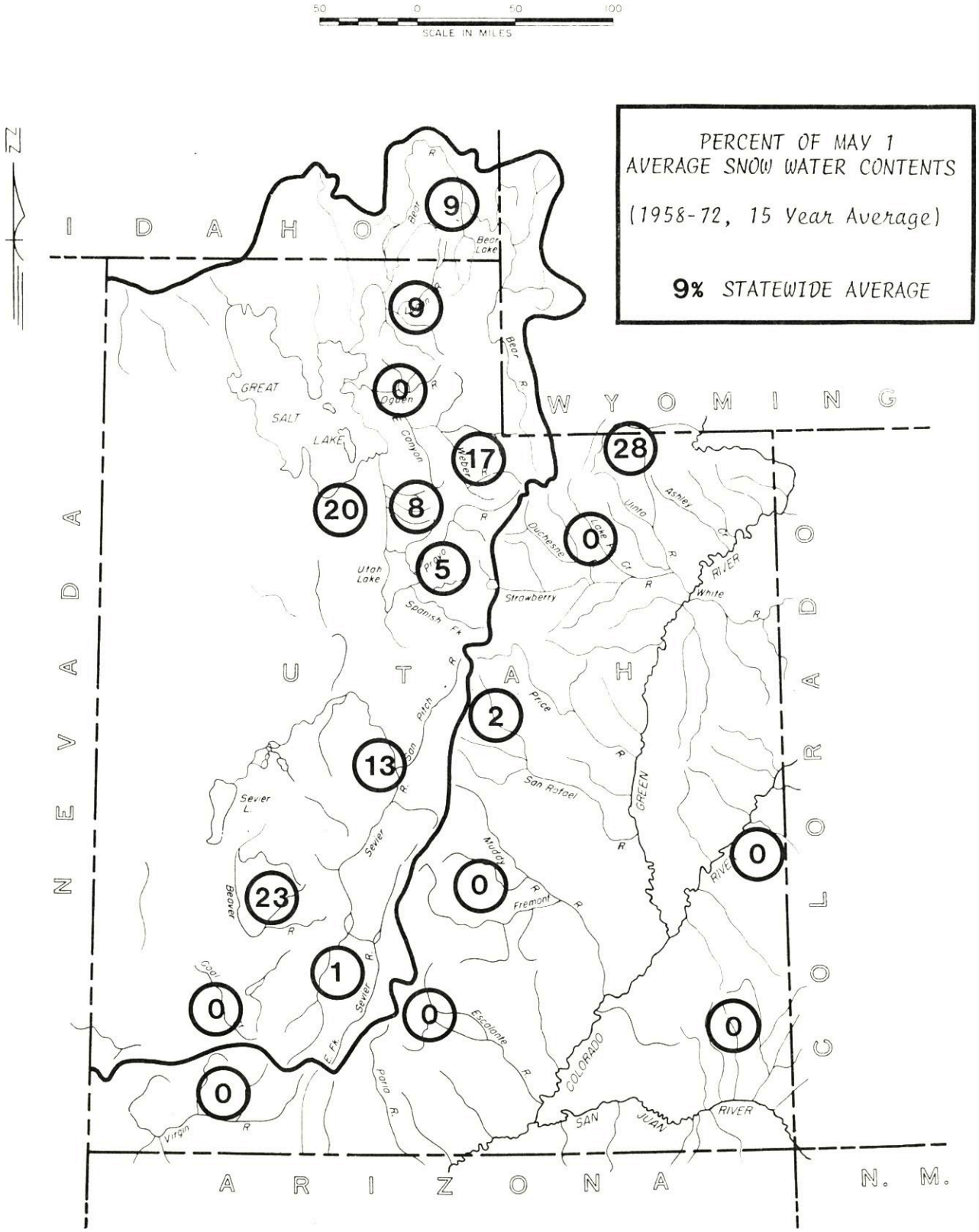
USDA-SCS-PORTLAND, OR. 1976 M7-L-22027R

SNOW COVER

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1977

Approximate Date



USDA SCS PORTLAND, OREG 1970 M-2853

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

7-0-16150-L

WATER SUPPLY OUTLOOK

as of
May 1, 1977

* *
* The winter of 1976-77 in Utah has established itself as the *
* driest on record, and the spring runoff months point toward *
* producing the lowest streamflows since the drought year of *
* 1934. It is feared that many areas of the state will face *
* water shortages not experienced since that dry year. *
* *

SNOW COVER

Premature melting of snow on the high watersheds and complete melting of all snow at low elevations was recorded on this months surveys.

Only 27% of the courses measured had any snow, and only two of 134 recorded snow above the previous minimums. Statewide, only 9% of an average May 1 snow remains.

The best snow cover in the state was measured in the Upper Green River Basin, and it was only 28% of average. Snow courses on the north slope of the Uintahs measured as high as 47% of the May 1 average water content.

PRECIPITATION

Following the pattern of other dry winter months, April produced well below average precipitation catches as measured at mountain stations. Some sites which normally collect one to two inches of rainfall, received no catch during the month.

Measurements indicate accumulation for the month from 80% of average at Burnt Creek down to 4% at Big Flat in the Beaver River drainage and some had no precipitation at all.

SOIL MOISTURE

Dry soils continued to be a concern. With the bare, dry conditions of watershed soils, absorption rates from melt have been high, and will materially reduce the effects of spring rains on runoff.

RESERVOIR STORAGE

Storage in 24 key reservoirs is now 105% of the May 1 average and 17% less than last year. Water is already being used from reservoirs because streamflow has already peaked at near record low levels.

STREAMFLOW FORECASTS

Spring and summer streamflow forecasts are lowered this month as a result of continued warm, dry weather. Prospects for record low flows exist throughout the state. Many streams will produce less flow this year

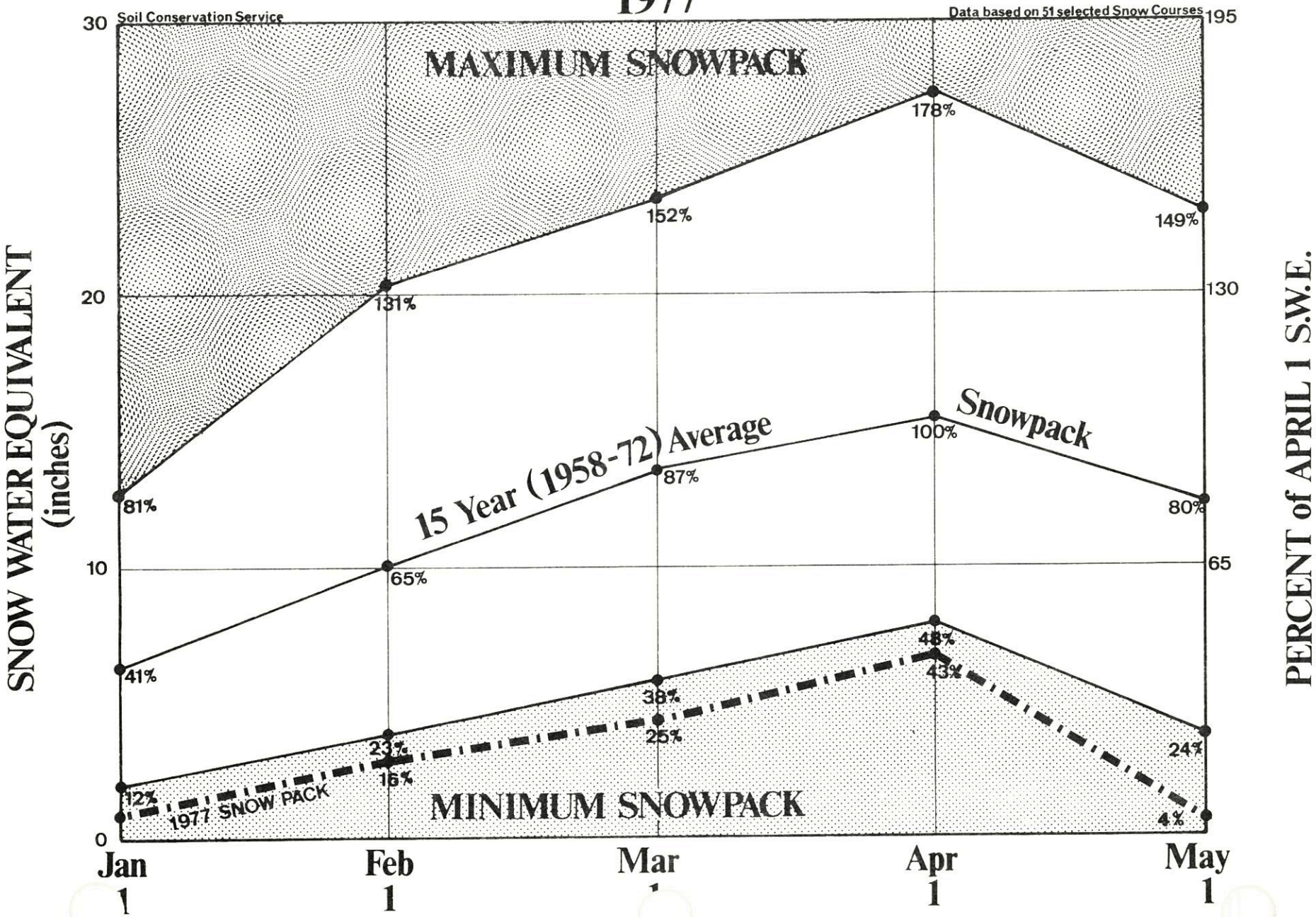
USDA SCS PORTLAND OREG 1963

than was recorded in the 1934 drought year. Forecasts for selected stations are given below, with comparative flow information from 1934.

Station Name	Period	Forecast	Average	%Average	1934
Bear at Harer	May-Sept	13.1	237	6	13.1
Weber near Oakley	May-June	22	91	24	22.4
Duchesne at Duchesne	May-July	22	170	13	24.4
Uintah near Neola	May-July	15.8	83	19	16.5
Logan near Logan	May-July	27	98	28	28
Parley's Creek near SLC	May-July	1.1	9.4	12	0.8
Big Cottonwood Creek	May-July	9.7	31	31	7.4
Spanish Fork near Thistle	May-July	3.4	25	14	4.0
Utah Lake Inflow	May-July	43	143	30	55.0
Sevier near Kingston	May-July	1.5	15	10	1.9
Colorado at Cisco	Apr-July	836	2835	29	1225
Virgin near Virgin	May-June	9.1	28	33	9.1
Lakefork below Moon Lake	May-July	15.1	66	23	19.2

Above forecasts and observed flows in 1,000's of acre feet.

UTAH'S WINTER SNOWPACK
1977



PROSPECTIVE WATER SUPPLIES

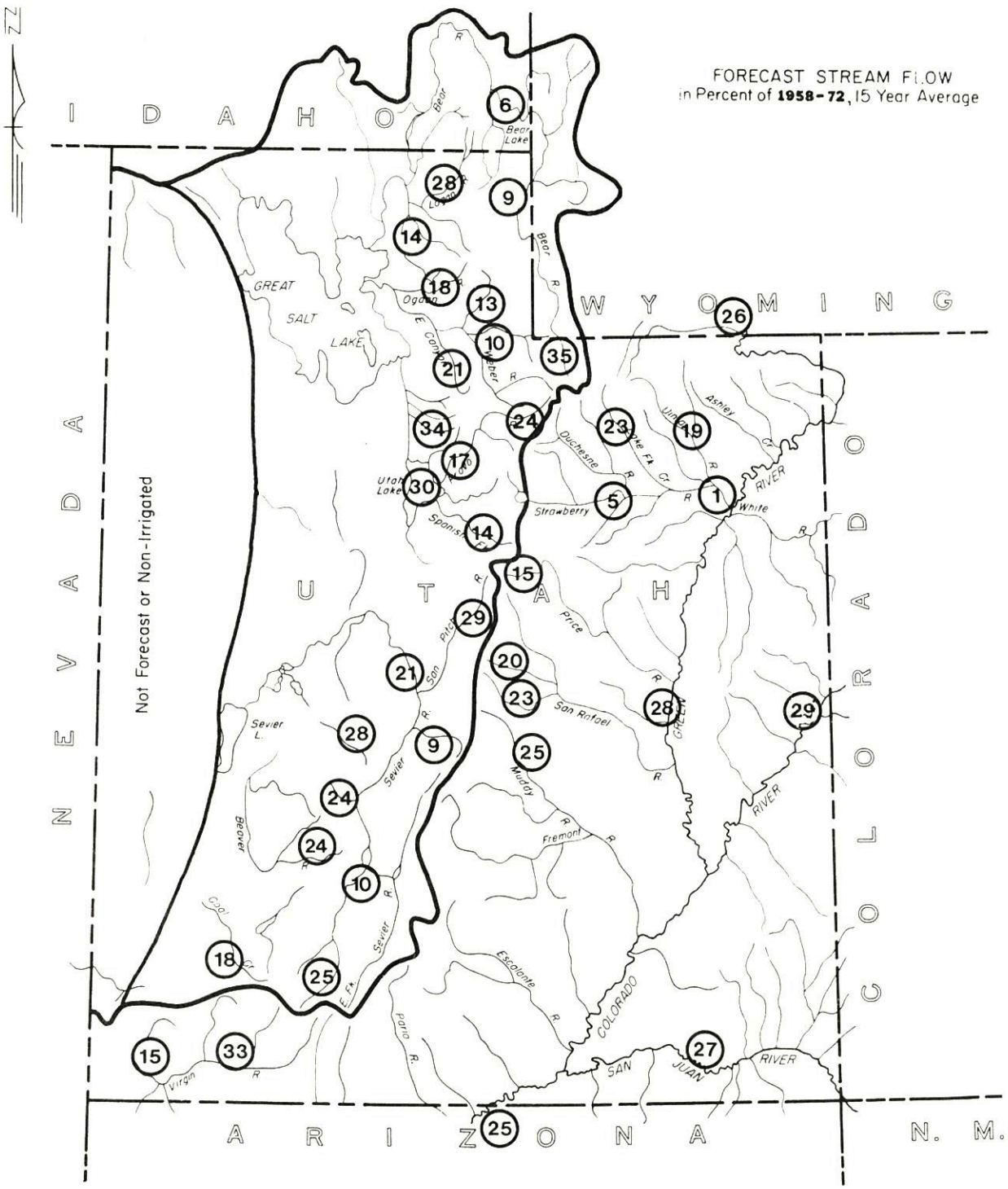
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1977

Approximate Date

50 0 50 100

SCALE IN MILES



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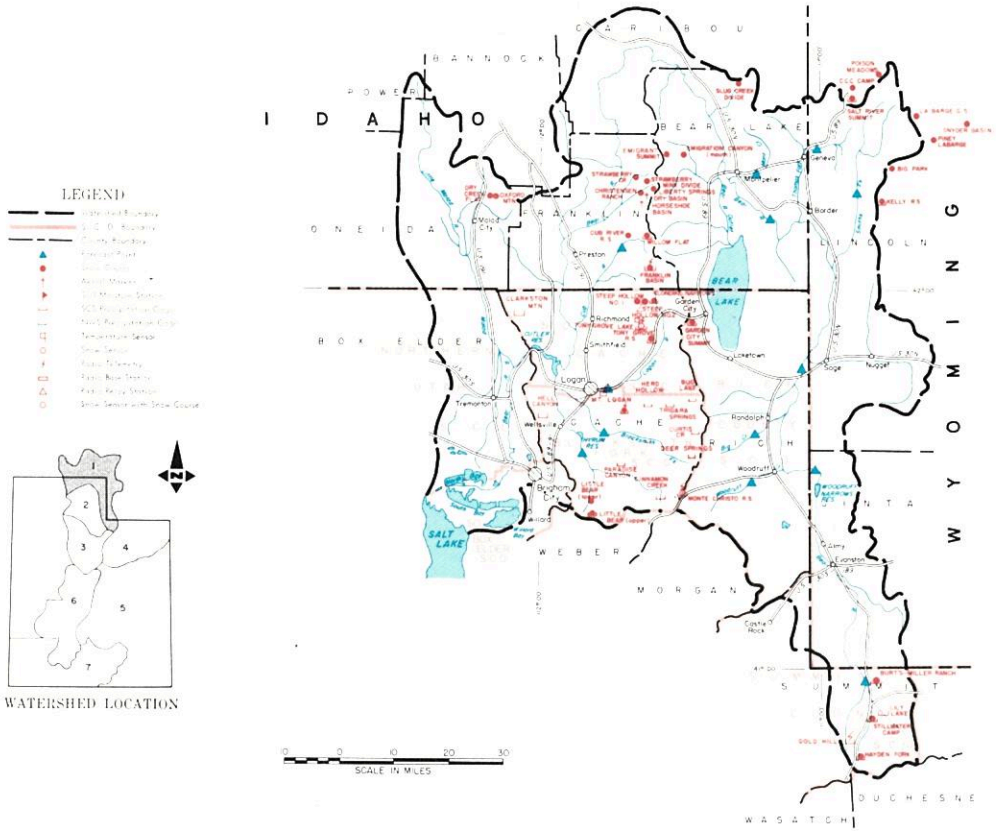
WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

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



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has deteriorated rapidly, and snow remains on only seven of the 20 courses in the basin. Snow water content for May 1 is only 9% of average. No snow remains below the 8,000 foot elevation.

PRECIPITATION at mountain stations ranged from only 11% to 36% of their April averages. The October-April totals are 30% to 59% of average.

SOIL MOISTURE is still below average. With the ground open and not frozen the absorption rates are high, still further reducing runoff.

RESERVOIR STORAGE is still above average in Bear Lake and Hyrum, but well below in Woodruff Narrows and Porcupine

STREAMFLOW FORECASTS range from 35% of the average May-July period for the Bear near Utah-Wyoming state line, to 6% for Bear at Harer, Idaho. Blacksmith Fork and Bear near Woodruff are forecast at 14%, while Big Creek is expected to be 12% of average. These forecasts represent flows at or below the levels experienced in the drought year of 1934.

USDA-SCS PORTLAND OR 1976 M7-OL-22027-1

Report prepared by
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U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr Ut-Wyo. State Line	37	35	May-July	75	106
Bear nr Woodruff	15.4	14	May-July	83	109
Woodruff Ck nr Woodruff, Utah	1.9	15	May-July	12	13.1b
Big Creek nr Randolph, Utah	0.4	12	May-July	--	3.4b
Bear nr Randolph	6.5	9	May-July	48	75
Smith's Fork nr Border, Wyo.	25	22	Apr-Sept	--	116
Thomas Fork nr Ut-Wyo Border	6	19	Apr-Sept	--	32
Bear at Harer, Idaho[1]	13.1	6	May-Sept	--	237
Cub River nr Preston, Idaho	12.0	26	May-Sept	--	46
Little Bear nr Paradise	1.5	6	May-June	20	24
Logan nr Logan[1]	27	28	May-July	99	98
Blacksmith Fork nr Hyrum	5.0	14	May-July	38	35

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER BEAR RIVER	4	10	9
LOWER BEAR RIVER	7	8	9
LOGAN RIVER	5	8	9

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
BEAR RIVER	Bear Lake	1421.0	1050.0	1137.0	1040.0
	Woodruff Narrows	26.5	8.6	26.5	26.3
LITTLE BEAR	Hyrum	15.3	14.9	10.6	14.2
	Porcupine	11.3	5.0	6.6	9.8

+ - 1958-72 15 Year Average Period

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	Peaks below	41b
Little Bear nr Paradise	previous	473
Logan River nr Logan	minimums. Most	984
Woodruff Creek nr Woodruff	have already	240
	occurred.	

* - Maximum mean daily peak flow

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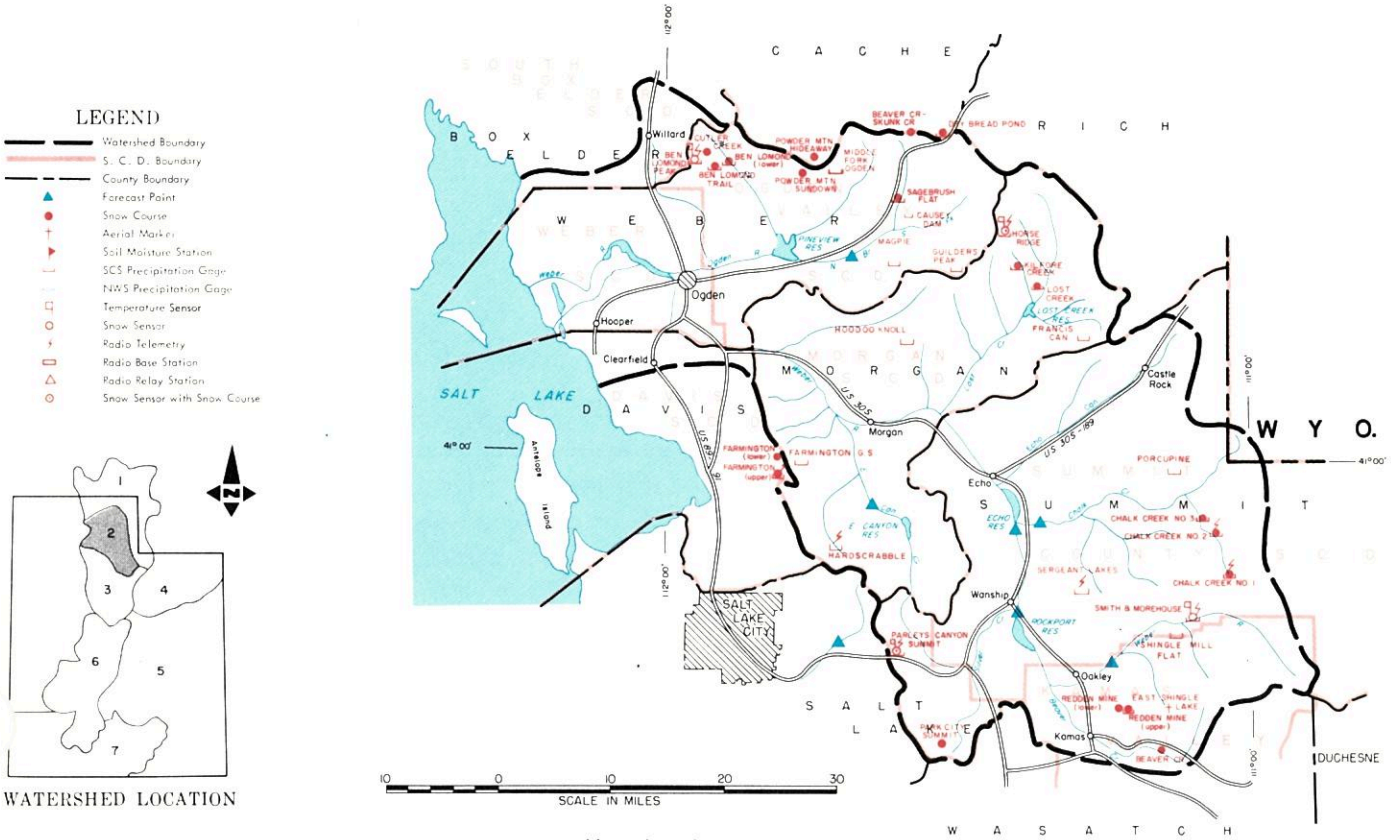
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

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



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER has melted from all snow courses on the Ogden and remains on only six of 16 courses on the Weber River. Snow water content on the Weber is now only 17% of the May 1 average. Faster than normal melt in April resulted in little increased streamflow.

PRECIPITATION at mountain stations ranged from 11 to 15% of the April average on the Ogden River and 9 to 20% of average on the Weber River watershed.

SOIL MOISTURE is well below average, especially at medium and low elevations.

RESERVOIR STORAGE is a little above the May 1 average, except on Pineview and Willard Bay, but the reservoirs are not expected to fill since most of this years peak flows have already occurred.

STREAMFLOW FORECASTS for the May-June period now range from 10% of average on Chalk Creek to 33% on Hardscrabble Creek. Weber River forecasts range from 24% of average at Oakley, to 20% for Rockport Inflow to 12% of average at Coalville. Lost Creek is expected to be 13% of average and East Canyon 21% of average. South Fork of the Ogden is forecast 15% of average and the Inflow to Pineview 18%.

Report prepared by
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USDA-SCS-PORTLAND OR 1976 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Weber near Oakley	22	24	May-June	80	91
Rockport Reservoir Inflow[1]	20.2	20	May-June	- -	99
Weber near Coalville[2]	11.8	12	May-June	- -	94
Chalk Creek at Coalville	2.5	10	May-June	22	26
Lost Creek nr Croydon, Utah	1.2	13	May-June	7.1	9.4
Hardscrabble Ck nr Porterville	3.7	33	May-June	- -	11.2
East Canyon Creek nr Morgan[1]	2.8	21	May-June	11.3	13
South Fork Ogden nr Huntsville	5.0	15	May-June	28	34
Pineview Reservoir Inflow	11.3	18	May-June	52	64
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	1.9	29	May-July	- -	6.5

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U.S. Bureau of Reclamation
3 - Provisional flows - Subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	6	0	0
WEBER RIVER	11	18	17

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
OGDEN	Causey	6.9	4.6	2.1	2.5
	Pineview	110.1	59.3	81.1	67.8
WEBER	East Canyon	48.1	45.6	41.5	25.6
	Echo	73.9	52.6	59.8	53.9
	Lost Creek	20.0	13.9	17.2	11.3
	Rockport	60.9	33.5	50.7	30.5
	Willard Bay	193.3	149.0	171.9	161.7

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Lost Creek near Croydon	Peaks below previous minimums. Most have already occurred.	206b
South Fork Ogden near Huntsville		697
Chalk Creek near Coalville		373

* - Maximum mean daily peak flows

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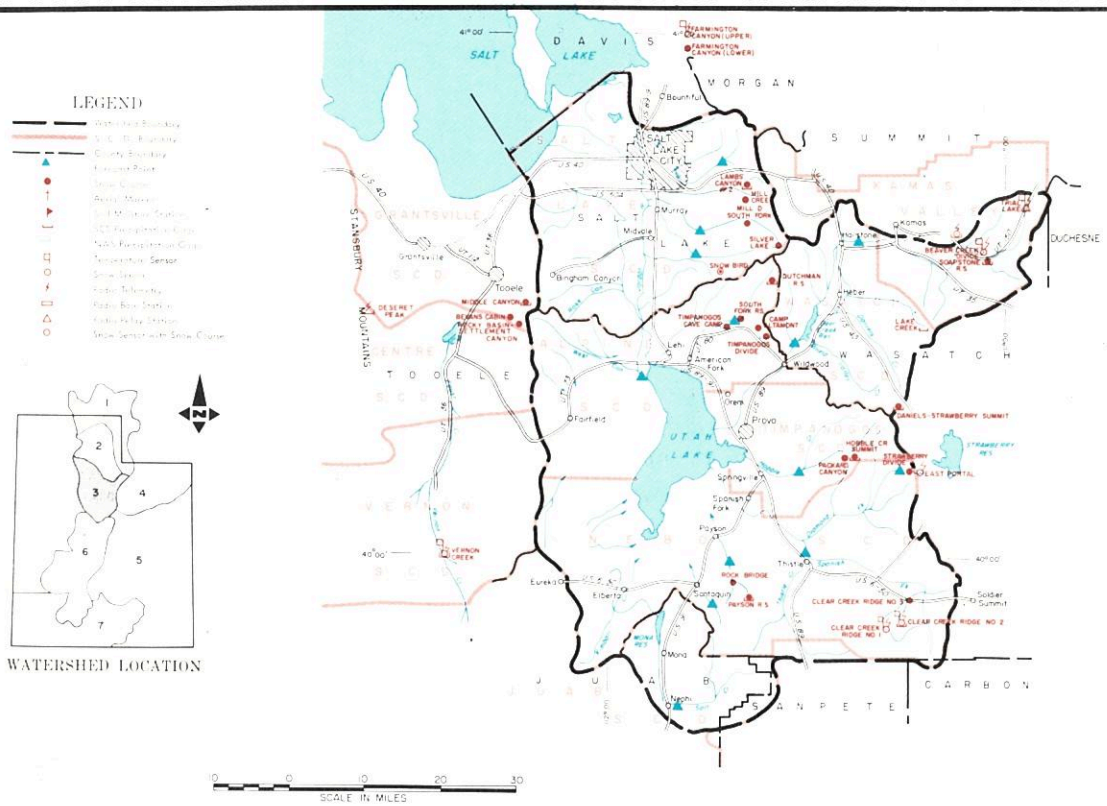
WATER SUPPLY OUTLOOK

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



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER is gone except at the highest elevations. Provo River and Utah Lake drainages are now only 5% of the May 1 average snow water content. Only Trial Lake had snow remaining. Jordan River and Salt Lake drainages are 8% of the May 1 average. Tooele Valley by itself, is 20% of average.

PRECIPITATION at mountain stations ranged from 3 to 20% of the April average and has been only 40 to 49% of average for the water year to date.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average, but less than last year at this time. Storage water is being used already due to low runoff this year.

STREAMFLOW FORECASTS for the May-July period range from 4% of average for Strawberry Inflow to 34% for Little Cottonwood Creek. Provo River is forecast 24% at Hailstone and 17% below Deer Creek Dam, Spanish Fork 14%, Hobble Creek 8%, and American Fork 25%. The Inflow to Utah Lake is forecast 30% of average and Strawberry Inflow only 4% of the May-July average. The creeks above Salt Lake City are forecast from 12% on Parleys Creek to 34% on Little Cottonwood with Big Cottonwood 31%, Mill Creek 28%, City Creek 18%, and Emigration 33%. Vernon Creek is forecast 25% of the May-July average, and Settlement Creek 10% of average. All streams are expected to recede much earlier than usual causing shortages early this season.

Report prepared by
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USDA SCS PORTLAND OR 1976 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER & UTAH LAKE					
Payson Creek near Payson	1.2	24	May-July	- -	5.1b
Spanish Fork at Thistle	3.4	14	May-July	- -	25
Hobble Creek nr Springville	1.0	8	May-July	- -	12
Provo near Hailstone[1]	21.5	24	May-July	98	90
Provo below Deer Creek Dam[1]	15.4	17	May-July	- -	88
Strawberry Reservoir Inflow[1]	1.5	4	May-July	27	35
American Fork nr American Fork	6.5	25	May-July	- -	26
Utah Lake Inflow	43	30	May-July	- -	143
JORDAN RIVER & SALT LAKE					
Little Cottonwood near SLC	11.3	34	May-July	- -	33
Big Cottonwood near SLC	9.7	31	May-July	- -	31
Mill Creek near SLC	1.4	28	May-July	- -	5.0
Emigration Creek near SLC	0.8	33	May-July	- -	2.4
City Creek near SLC	1.1	18	May-July	- -	6.0
Parley's Creek near SLC	1.1	12	May-July	- -	9.4
TOOELE VALLEY					
Vernon Creek near Vernon	0.1	25	May-July	0.4	0.4b
Settlement Creek nr Tooele	0.2	10	May-July	- -	2.1b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	12	5	5
JORDAN RIVER & SALT LAKE	6	9	8
TOOELE VALLEY	4	21	20

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SPANISH FORK	Strawberry	270.0	211.1	257.6	129.3
UTAH LAKE	Utah Lake	883.9	797.6	948.3	667.7
PROVO RIVER	Deer Creek	149.7	99.7	104.4	103.5
SETTLEMENT CREEK	Settlement Creek	1.2	- -	1.1	- -
	Vernon Creek	0.6	- -	0.6	- -

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Spanish Fork near Thistle	Most streams	365
Hobble Creek near Springville	have already	210
Parleys Creek near Salt Lake City	peaked below	116
Big Cottonwood near Salt Lake City	previous	377
	minimums.	

* - Maximum mean daily peak flows

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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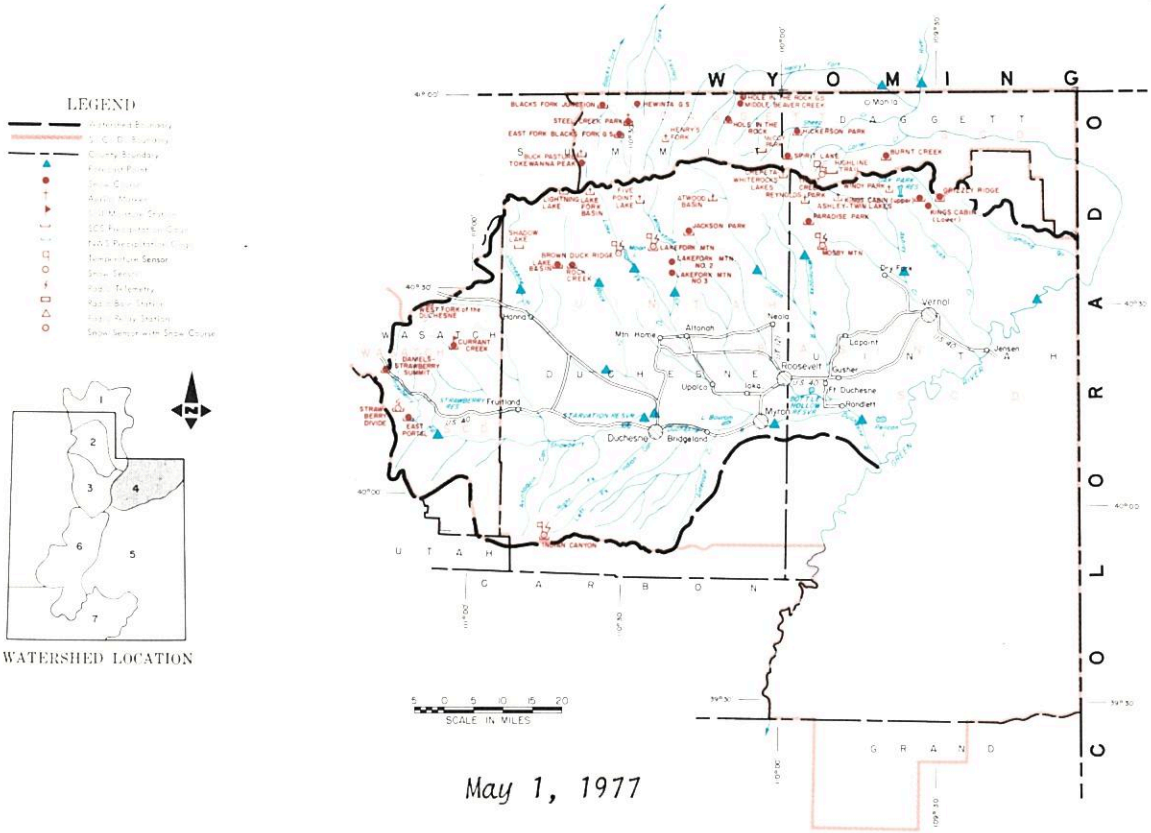
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



May 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has completely melted from all snow courses on the south side of the Uintahs and is 28% of the May 1 average on the north side of the mountains. A small amount of snow remains on the aerial snow depth markers above 11,000 feet on the south side, but depths of only 2 to 12 inches were found at the highest elevations. Ice is beginning to melt from some high lakes.

PRECIPITATION at mountain stations ranged from 22 to 80% of average on the north slope of the Uintahs and 14 to 29% on the south slope.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average and Steinaker and Moon Lake are not expected to fill this season.

STREAMFLOW FORECASTS for the May-July period range from 1% of average for the Duchesne at Randlett to 39% for Blacks Fork at Millburne. Ashley Creek forecast is 29% of average, Whiterocks and Uintah 19%, Lakefork and Yellowstone 23%, Rock Creek 25%, and the Duchesne at Tabiona 12%. Currant Creek is forecast at 4% of average and Strawberry at Duchesne 5% of the May-July average. Water shortages are expected in this area for all users without reservoir supplies.

Report prepared by
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USDA SCS PORTLAND OR 1976 M7-OL-22027-4

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne near Tabiona[1]	11.8	12	May-July	- -	94
Rock Creek near Mtn. Home	22.4	25	May-July	- -	90
Duchesne at Duchesne[1]	21.8	13	May-July	- -	170
Strawberry at Duchesne	2.2	5	May-July	- -	46
Lakefork below Moon Lake[1]	15.1	23	May-July	- -	66
Yellowstone near Altonah	14.3	23	May-July	33.5	61
Duchesne at Myton[1]	7.5	4	May-July	- -	185
Uintah near Neola	15.8	19	May-July	56	83
Whiterocks near Whiterocks	10.8	19	May-July	45	56
Duchesne at Randlett[1]	2.3	1	May-July	- -	200
Currant Creek nr Fruitland	0.6	4	May-July	- -	15.7
FLAMING GORGE TO DUCHESNE RIVER					
Blacks Fork nr Millburne	35	39	May-July	- -	89
Henry's Fork at Linwood	14	31	Apr-Sept	- -	45
Flaming Gorge Inflow[1]	310	26	Apr-July	- -	1174
Ashley Creek near Vernal	13.8	29	May-July	43.8	48

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER	8	0	0
STRAWBERRY RIVER	3	0	0
LAKEFORK-YELLOWSTONE	3	0	0
UINTAH-WHITEROCKS	2	0	0
ASHLEY-BRUSH CREEKS	2	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
ASHLEY CREEK	Steinaker	33.3	18.1	30.0	26.2
GREEN RIVER	Flaming Gorge	3749.0	2638.0	3351.0	1629.0
LAKE FORK	Moon Lake	35.8	10.8	21.8	19.0
STRAWBERRY	Starvation	165.3	165.0	141.4	- -
UINTAH	Bottle Hollow	11.3	10.8	10.8	- -

a - Partly Estimated
+ - 1958-72 15 Year average period

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Ashley Creek near Vernal	Peaks below previous minimums. Most have already occurred.	906
Strawberry at Duchesne		628

* Maximum mean daily peak flow

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

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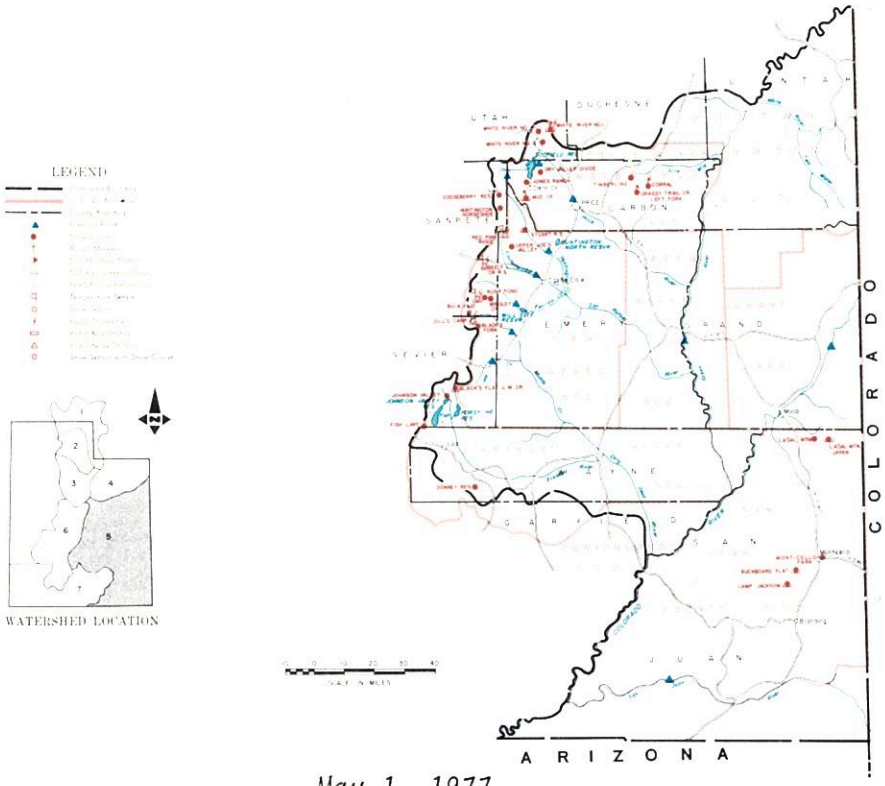

May 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER exists only above the 10,000 foot level in the San Rafael River drainage. Premature melting of snow has taken place throughout this southeast Utah area.

PRECIPITATION as measured at mountain stations indicate monthly accumulations ranging from 3% of average at Fish Lake to 58% at LaSal Mountain Upper. The October-April totals range from 27% to 58% of average.

SOIL MOISTURE continues to be well below average.

RESERVOIR STORAGE is near average, however, dry weather has caused heavier than normal use at this early point in the year.

STREAMFLOW FORECASTS have been lowered this month due to the continued warm, dry weather. May-July runoff forecasts range from 8% of average for Price near Heiner to 29% for Colorado near Cisco. Scofield Reservoir is expected to get only 15% of its average inflow, while Huntington Creek will run at only 22% of average. San Juan near Bluff is forecast at 27% for the April-July period and the Green River at Green River, Utah 28% of average.

USDA-SCS-PORTLAND OR 1976 M7-OL-22027-5

Report prepared by
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CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Creek nr Scofield	2.2	23	May-July	--	9.5
Scofield Reservoir Inflow	4.3	15	May-July	--	29
Price nr Heiner[1]	4.0	8	May-July	--	52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	9.2	22	May-July	--	41
Cottonwood Crk nr Orangeville	8.6	20	May-July	--	43b
Ferron Creek nr Ferron	7.5	23	May-July	--	33
DIRTY DEVIL RIVER					
Seven Mile Creek nr Fish Lake	1.5	27	May-July	--	5.6b
Muddy Creek nr Emery	4.0	25	May-July	--	15.8
UPPER COLORADO RIVER					
Colorado nr Cisco, Utah	836	29	Apr-July	3599.4	2835
Green at Green River, Utah	780	28	Apr-July	--	2839
Mill Creek nr Moab	1.0	26	May-July	46	3.8
Navajo Reservoir Inflow	191	32	Apr-July	--	597
San Juan nr Bluff, Utah	233	27	Apr-July	--	853

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	4	0	0
MILL CREEK	2	0	0
SAN JUAN RIVER	2	0	0
SAN RAFAEL RIVER	7	3	2
FREMONT RIVER	3	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
PRICE RIVER	Scofield	65.8	30.7	49.5	34.4
SAN RAFAEL	Huntington North	3.9	3.8	4.2	3.3
	Joe's Valley	54.6	32.9	50.5	34.3
	Mill Site	16.7	3.6	7.2	--
SAN JUAN	Navajo	1696.0	1092.0	1121.7	--

+ - 1958-72 15-Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek nr Ferron	Peaks below previous minimums. Most have already occurred.	419
Muddy Creek nr Emery		157

* - Maximum mean daily peak flows

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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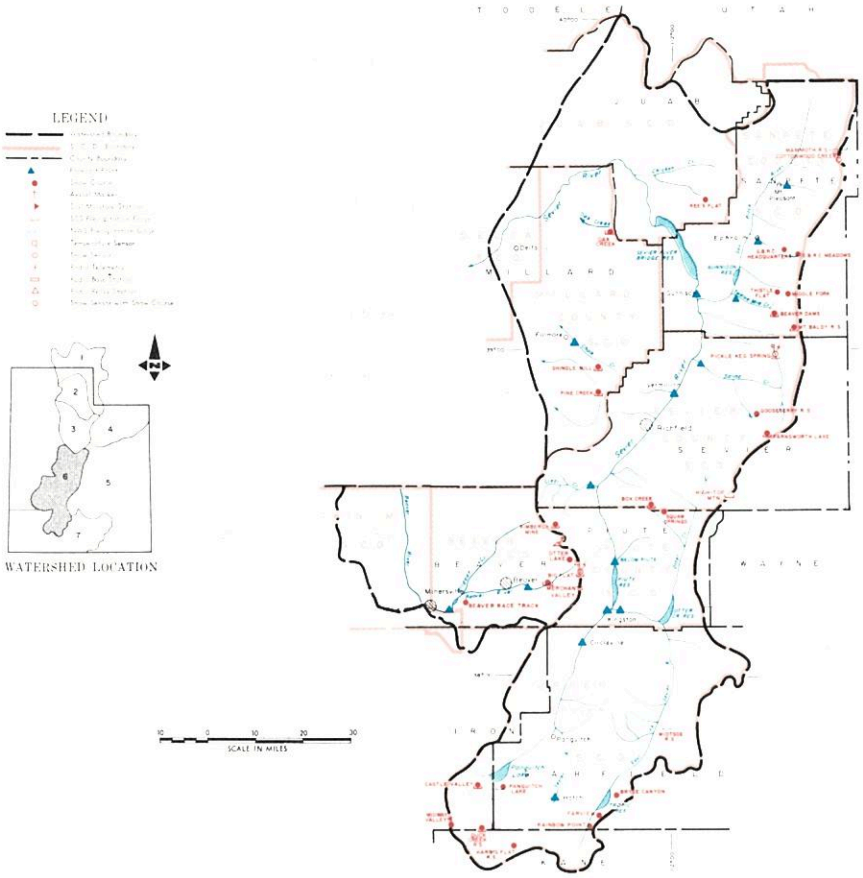

MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 0% on the East Fork, South Fork and Chalk Creek to 13% on the Lower Sevier and 23% of the May 1 average on Beaver River. Only Kimberly Mine on the Upper Sevier had any snow and it had only one inch with 0.5 inches of water content.

PRECIPITATION at mountain stations ranged from 3 to 20% of the April average and the total water year October-April ranges from 34 to 71% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average with Otter Creek, Piute and Sevier Bridge now holding a total of 173,100 acre feet or 89% of the May 1 average. Gunnison is 23% and Minersville is 67% of average. None of these reservoirs are expected to improve this year since storage is already being used.

STREAMFLOW FORECASTS range from 9% of average for the May-June period on Salina Creek to 33% for Ephraim Creek. Sevier River is forecast 25% at Hatch, 23% Circleville, 10% Kingston, and 21% at Gunnison. Beaver River is forecast 24% at Beaver and 15% for Minersville Inflow. Chalk Creek is forecast 28% of the May-July average. Water supply shortages are expected very early this season in this area as is indicated by only 15 to 50% of primary rights expected to be supplied this season and low flow expected very early on most streams.

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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year[2]	PAST RECORD THOUSAND ACRE FEET Average†
SEVIER RIVER					
Sevier at Hatch	8.5	25	May-July	21.9	34
Sevier nr Circleville	4.8	23	May-July	--	21
Sevier nr Kingston	1.5	10	May-July	4.8	15
Inflow Kingston to Vermillion Dam	9.1	18	Apr-June	--	50
Antimony Crk nr Antimony	1.6	29	May-July	--	5.6
East Fork Sevier nr Kingston[1]	1.9	23	May-July	--	8.3
Sevier below Piute Dam[1]	2.4	11	May-July	--	22
Clear Crk nr Sevier (abv Div)	3.1	24	May-July	9.0	12.7
Salina Creek at Salina	0.6	9	May-June	3.1	7.0
Inflow Vermillion Dam to Gunnison	12.0	31	Mar-June	--	39
Sevier nr Gunnison	6.0	21	May-July	15.0	28
Chalk Creek nr Fillmore	3.5	28	May-July	--	12.3
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	2.0	29	May-July	--	7.0
Ephraim Crk nr Ephraim	4.4	33	May-July	--	13.2b
BEAVER RIVER					
Beaver nr Beaver	4.2	24	May-July	7.7	17.6
North Creek nr Beaver (Comb North Fk and South Fk)	2.0	19	May-July	--	10.3
Minersville Reservoir Inflow[1]	0.7	15	May-June	--	4.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER	8	1	1
EAST FORK SEVIER	5	0	0
SOUTH FORK SEVIER	6	0	0
LOWER SEVIER	10	14	13
CHALK CREEK	2	0	0
BEAVER RIVER	3	28	23

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15-Year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SEVIER RIVER	Gunnison	18.2	3.2	16.1	13.7
	Otter Creek	52.5	34.1	48.2	37.5
	Piute	71.8	25.1	48.2	43.8
	Sevier Bridge	236.0	113.9	188.4	114.1
BEAVER RIVER	Minersville (Rky Fd)	23.3	9.4	14.7	14.0

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Beaver nr Beaver	Most peaks	212
Clear Creek nr Sevier	have already	170
Salina Creek nr Salina	occurred at	235
Sevier at Hatch	below	418
	previous	
	minimums	

* - Maximum mean daily peak flows

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 Ck nr Sevier-above Div.	5	July 2	July 28
Salina Ck at Salina	25	May 5	June 10
Sevier at Circleville	90	May 10	June 24
Sevier at Hatch (upper)	100	May 23	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
Panguitch Valley	75	82	April-Sept.
Circle Valley	30	65	April-Sept.
Sevier Valley	20	38	April-Sept.
Below Vermillion		55	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 was 96,700 feet.

Below Vermillion - No flows above 360 cfs are now expected.

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

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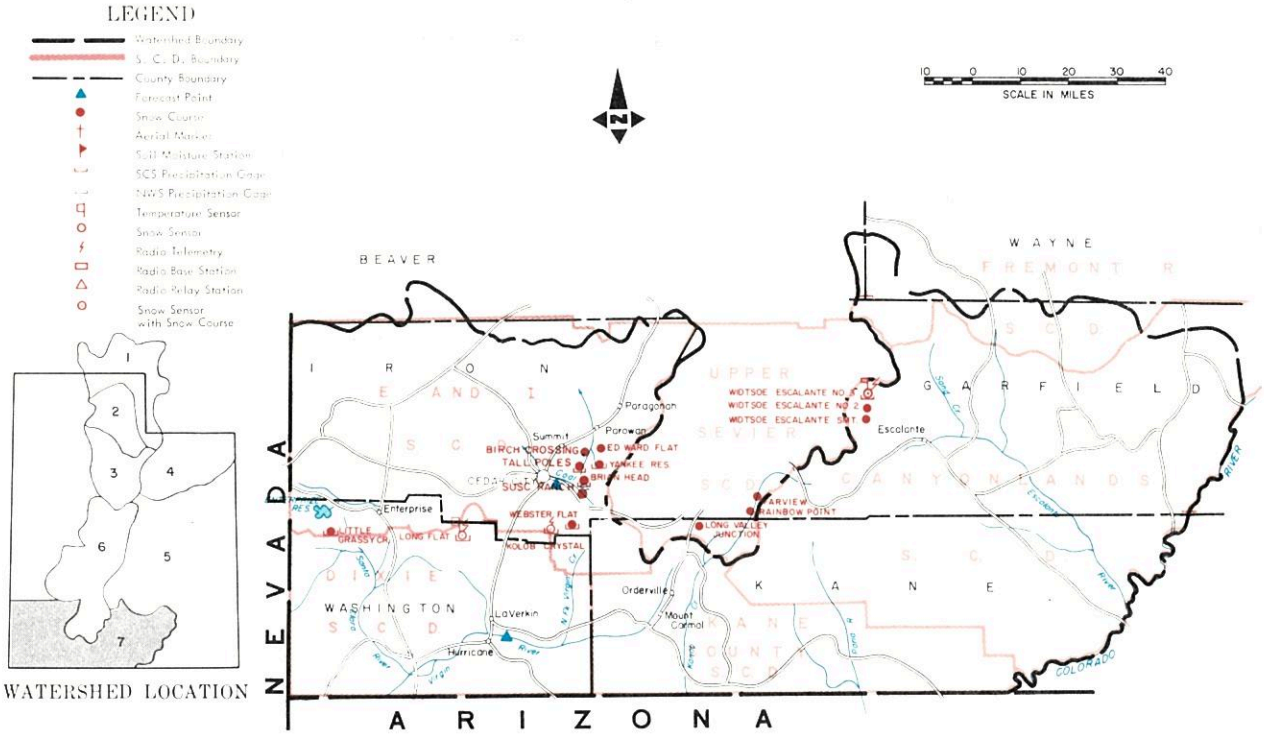
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has melted except at the highest most protected areas. Brian Head snow course had only 8% of the May 1 average water content and all other areas were bare.

PRECIPITATION at mountain stations ranged from 0% at Long Flat and Little Grassy to 29% at Yankee Reservoir for April. The water year to date ranges from 45% at Long Flat to 62% of average at Yankee Reservoir.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is 18,127,000 acre feet in Lake Powell or 1,537,000 acre feet less than last year on May 1.

STREAMFLOW FORECASTS range from 15% of average for the Santa Clara for the May-June period to 33% of average for the Virgin near Virgin. Coal Creek is forecast at 18% of the May-July average and Lake Powell Inflow is now 25% of its April-July average. Streams in this area have probably already peaked and are expected to drop very rapidly unless above average precipitation helps to hold flows up.

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EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 1	PAST RECORD THOUSAND ACRE FEET Average +
COAL CREEK					
Coal Creek near Cedar City	2.3	18	May-July	8.3	13.0
UPPER COLORADO					
Lake Powell Inflow	1690	25	Apr-July	- -	6881
VIRGIN RIVER					
Santa Clara near Pine Valley	0.4	15	May-June	1.8	2.7b
Virgin near Virgin	9.1	33	May-June	11.5e	28b

1 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period
e - Estimated

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	0	0
PAROWAN CREEK	5	8	6
VIRGIN RIVER	3	0	0
ENTERPRISE TO NEW HARMONY	2	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
COLORADO	Blue Mesa	829.5	366.5	435.9	- -
	Lake Powell	25002.0	18127.0	19664.0	8370.8

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Virgin near Virgin	Most peaks have already occurred below previous minimums.	631b
Coal Creek near Cedar City		245

* - Maximum mean daily peak flows

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	4/29	6	1.8	25.9	22.4						
Burts-Miller Ranch	4/25	0	0.0	0.0	1.5	4/25	.37	2.64a	6.51a	11.67a	56
CCC Camp	4/26	0	0.0	12.6	8.2						
Hayden Fork	4/25	14	4.6	14.8	15.8	4/25	.89	4.24a	12.38	24.72a	50
Kelly R.S.	4/29	0	0.0	23.1	19.2						
Monte Cristo R.S.	4/25	0	0.0	26.0	27.0	4/25	.61	5.46b	12.44	33.08b	38
Piney LaBarge	4/27	0	0.0	26.1	22.1a						
Poison Meadows	4/27	20	6.7	37.8	32.4						
Salt River Summit	4/26	3	1.2	20.4	13.9	4/26	.87	2.45	7.81	19.19	41
Snider Basin	4/27	0	0.0	19.9	14.4						
Stillwater Camp	4/25	0	0.0	6.5	8.4	4/25	.72	3.09	8.86	15.10	59
LOWER BEAR RIVER (Below Harer, Idaho)											
Cub River R.S.	4/25	0	0.0	0.0	1.0						
Dry Basin	4/26	12	4.6	- -	- -						
Emigrant Summit	4/25	6	2.1	- -	- -						
Franklin Basin	4/26	9	3.0	32.2	- -						
Garden City Summit	4/25	0	0.0	19.1	17.6	4/25	.49	3.64b	7.49	23.36b	32
Horseshoe Basin	4/25	11	4.1	- -	- -						
Klondike Narrows	4/25	0	0.0	16.2	15.3	4/25	.56	3.83b	8.40a	26.45b	32
Liberty Springs	4/25	27	11.8	- -	- -						
Little Bear (lower)	4/25	0	0.0	0.3	0.6						
Little Bear (upper)	4/25	0	0.0	5.2	4.0						
Steep Hollow #1	4/25	24	9.0	45.6	39.5b						
Steep Hollow #2	4/25	0	0.0	26.4	23.3						
Tony Grove Lake	4/25	0	0.0	38.1	- -						
Tony Grove R.S.	4/25	0	0.0	4.0	2.4	4/25	.37	3.29a	6.33	21.41a	30
Willow Flat	4/25	0	0.0	11.1	4.0	4/25	1.18	4.07	10.77	26.87	40
Worm Creek	4/25	0	0.0	- -	- -						
OGDEN RIVER											
Beaver Creek-Skunk Creek	4/25	0	0.0	6.7	4.7						
Ben Lomond Peak	4/25	0	0.0	38.1	35.4						
Ben Lomond (lower)	4/25	0	0.0	6.8	5.3	4/25	.69	4.59	7.09	29.32	24
Causey Dam						4/25	.29	2.33a	4.47	16.64a	27
Cutler Creek	4/25	0	0.0	24.5	24.9b						
Dry Bread Pond	4/25	0	0.0	17.4	16.8	4/25	.53e	4.39b	8.78a	25.16b	35
Sagebrush Flat	4/25	0	0.0	0.0	0.0	4/25	.28	2.56b	4.88	16.88b	29
WEBER RIVER											
Beaver Creek R.S.	4/25	0	0.0	0.0	1.5						
Chalk Creek #1	4/25	20	6.6	21.7	24.2						
Chalk Creek #2	4/25	10	2.2	14.0	13.5b						
Chalk Creek #3	4/25	0	0.0	0.4	2.2	4/25	.67	3.47b	8.97	15.59b	58
East Shingle Lake (A)	5/2	6	2.4	32.8	- -						
Farmington Canyon (lower)	4/25	16	5.9	23.4	21.2b	4/25	.83	5.67	15.41	30.92	50
Farmington Canyon (upper)	4/25	28	11.4	36.0	31.6b						
Farmington G.S.						4/25	1.04	5.21b	16.26	- -	- -
Horse Ridge	4/25	0	0.0	17.4	22.2b	4/25	.57	4.44a	11.12	30.66a	36
Kilgoil Creek	4/25	0	0.0	8.8	10.0a						
Lost Creek Reservoir	4/25	0	0.0	0.0	- -	4/25	.21	- -	- -	- -	- -
Park City Summit	4/28	0	0.0	- -	- -						
Parley's Canyon Summit	4/29	0	0.0	14.1	12.2	4/29	.78	4.71	13.90	26.73	52
Redden Mine (lower)	4/25	5	1.5	16.7	17.5						
Redden Mine (upper)						4/25	.47	5.04a	13.15	25.01a	53
Sergeant Lake (A)	5/2	0	0.0	8.1	- -						
Smith & Morehouse	4/25	0	0.0	6.7	7.8b	4/25	.00	3.94	10.06	22.03	46
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	4/25	0	0.0	0.0	- -						
Camp Altamont	4/25	0	0.0	2.8	6.1						
Clear Creek Ridge #1	4/26	0	0.0	16.8	16.6						
Clear Creek Ridge #2	4/26	0	0.0	8.1	9.1	4/26	.20	3.25	7.47	18.55	40
Clear Creek Ridge #3	4/26	0	0.0	0.0	0.2						
Dutchman R.S.	4/25	0	0.0	2.6	8.0	4/25	.79e	3.93	10.39a	24.88	42

USDA SCS PORTLAND, OREGON-1974 M7-0-220277

+ 1958-1972 period

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
WEBER RIVER (continued)											
Hobble Creek Summit	4/25	0	0.0	4.2	6.5	4/25	.60e	3.05	7.92a	19.71	40
Packard Canyon	4/25	0	0.0	0.0	0.8						
Payson R.S.	4/26	0	0.0	15.4	12.6	4/26	.10	3.48	10.45	21.17	49
Rock Bridge	4/26	0	0.0	7.9	3.3						
Soapstone R.S.	4/25	0	0.0	3.9	6.5	4/25	.52	3.24	8.41	18.93	44
South Fork R.S.	4/26	0	0.0	0.0	- -						
Timpanogos Cave Camp	4/26	0	0.0	0.0	- -						
Timpanogos Divide	4/25	0	0.0	18.5	20.0	5/1	.60	4.07	8.50	28.57	38
Trial Lake	4/25	16	5.7	23.5	25.7	4/25	.62	4.42	11.24	27.44	41
JORDAN RIVER & GREAT SALT LAKE											
Bevans Cabin	4/30	0	0.0	0.0	3.4						
Deseret Peak	4/27	0	0.0	- -	- -						
Lamb's Canyon	4/29	0	0.0	11.2	8.6						
Lamb's Canyon #2	4/29	0	0.0	12.0	- -	4/29	.69e	- -	9.67a	- -	- -
Middle Canyon	4/30	0	0.0	5.7	7.6	4/30	.45	4.16b	14.00	20.81b	67
Mill Creek	4/29	18	7.0	22.4	- -						
Mill D South Fork	4/27	0	0.0	12.2	14.4						
Mt. Dell Dam						4/30	.42	2.90	6.99a	16.24	43
Rocky Basin-Settlement Canyon	4/27	18	7.2	29.0	26.9	4/27	1.07	5.25a	13.83	31.60a	44
Silver Lake (Brighton)	4/27	1	0.1	27.2	26.9	4/30	.50	5.06	14.80	32.75	45
Snow Bird (Gad Valley)	4/28	23	9.6	- -	- -						
Vernon Creek	4/30	0	0.0	0.0	- -	4/30	.50	- -	7.83	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	4/26	0	0.0	11.2	11.1	4/26	.30	2.71	10.13	16.41	62
Bryce Canyon	4/29	0	0.0	- -	- -						
Castle Valley	4/25	0	0.0	5.0	6.6	4/25	.25	2.97	9.02	17.52	51
Duck Creek R.S.	4/25	0	0.0	7.8	6.1	4/25	.00	3.12	7.00	20.37	34
Farview	4/29	0	0.0	- -	- -						
Harris Flat	4/25	0	0.0	0.0	1.4						
Kimberly Mine	4/26	1	0.5	15.8	13.8	4/26	.70	3.69b	11.74	21.01b	56
Midway Valley	4/25	0	0.0	21.1	20.9	4/25	.35	- -	9.15	- -	- -
Panguitch Lake	4/25	0	0.0	0.0	0.2	4/25	.00	1.22	5.97a	8.41	71
Rainbow Point	4/29	0	0.0	- -	- -						
Squaw Springs	4/26	0	0.0	3.4	3.3						
Widtsoe R.S.						4/25	.16	.79	2.01a	5.97	34
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	4/25	0	0.0	5.4	6.5	4/25	.00	2.81	7.83a	16.08	49
Farnsworth Lake	4/26	23	8.8	19.6	20.4	4/26	.80	4.33	15.25	23.43	65
G.B.R.C. Headquarters	4/26	0	0.0	12.6	15.4	4/26	.00	4.00	11.05	21.60	51
G.B.R.C. Majors						4/29	.32	2.20	4.85	12.00	40
G.B.R.C. Meadows	4/26	15	6.5	24.0	24.6	4/26	.00	4.80	13.26	27.20	49
G.B.R.C. Oaks						4/29	.51	2.80	6.51	14.60	45
Gooseberry R.S.	4/26	0	0.0	8.8	8.1	4/26	.50	3.13b	10.55	16.40b	64
Mammoth-Cottonwood Creek	4/26	0	0.0	16.7	18.2b	4/26	.10	3.55b	10.25	22.19b	46
Middle Fork	4/25	32	12.8	- -	- -						
Mt. Baldy R.S.	4/25	10	3.2	19.5	24.2	4/25	.00	3.56b	10.20a	20.84b	49
Oak Creek	5/2	0	0.0	8.4	- -	5/2	.88	2.69a	9.47	17.33a	55
Pickle Keg Springs	4/25	0	0.0	9.0	14.4b						
Pine Creek	4/26	0	0.0	11.2	10.8	4/26	1.00	5.28	18.20	27.70	66
Ree's Flat	4/26	0	0.0	- -	- -	4/26	.00	- -	8.83a	- -	- -
Shingle Mill	5/2	0	0.0	3.5	1.9b	5/2	1.01	3.56b	10.56	17.27b	61
Thistle Flat	4/25	4	1.4	- -	- -						
BEAVER RIVER											
Beaver Race Track	4/30	0	0.0	0.0	- -						
Beaver Canyon Power House						4/30	.62	2.09	6.41	11.00	58
Big Flat	4/26	15	5.6	15.4	18.6	4/26	.15	3.34b	9.10	19.73b	46
Merchant's Valley	4/26	0	0.0	3.4	4.2	4/26	.00	3.18a	9.64	17.01a	57
Otter Lake	4/26	7	2.5	9.6	13.0						

+ 1958-1972 period.

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
PAROWAN CREEK											
Birch Crossing	4/25	0	0.0	0.0	- -						
Brian Head	4/25	6	1.9	19.8	22.6a						
Ed Ward Flat	4/25	0	0.0	0.0	2.2						
Tall Poles	4/25	0	0.0	10.6	- -	4/25	.75	4.21a	10.90	22.10a	49
Yankee Reservoir	4/25	0	0.0	4.5	5.7	4/25	.75	2.55	8.95	14.34	62
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	4/25	0	0.0	0.0	0.0b	4/25	.00	1.70b	- -	14.73b	- -
Long Flat	4/25	0	0.0	0.0	0.4b	4/25	.00	2.06b	5.85	13.01b	45
COAL CREEK											
Cedar City Golf Course	4/25	0	0.0	0.0	- -						
SUSC Ranch	4/25	0	0.0	0.0	- -						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	5/2	3	1.2	19.5	- -						
Black's Fork G.S.-East Fork	4/25	10	2.5	6.1	9.8b	4/25	.98	3.24b	9.40	15.11b	62
Black's Fork Junction	4/25	4	1.2	5.4	8.2b	4/25	.65	2.94b	8.49	14.47b	59
Buck Pasture (A)	5/2	6	2.4	14.9	- -						
Burnt Creek	4/26	0	0.0	1.8	- -	4/26	2.45	3.06b	6.35	12.07b	53
Grizzly Ridge	4/26	0	0.0	11.6	- -	4/26	2.28	3.25b	7.75	16.69b	46
Henry's Fork (A)	5/2	8	3.2	12.0	- -						
Hewinta G.S.	4/25	9	2.9	7.5	10.2b	4/25	1.33	3.39b	9.63	15.89b	60
Hickerson Park	4/25	7	2.2	6.2	5.2b	4/25	1.20	3.71a	9.35	12.00a	78
Highline Trail	4/25	24	6.9	16.6	- -	4/25	1.92	- -	7.86	- -	- -
King's Cabin (lower)	4/25	0	0.0	8.3	6.1						
King's Cabin (upper)	4/25	0	0.0	12.4	9.4	4/25	1.40	2.95	8.59	14.21	60
Reynolds Park (A)	5/2	2	0.8	20.5	- -						
Spirit Lake	4/25	17	5.5	14.0	15.4	4/25	1.42	4.54b	11.16	18.70b	60
Steel Creek Park	4/25	33	8.9	16.8	18.9b						
Trout Creek	4/25	0	0.0	12.8	- -	4/25	1.40	- -	- -	- -	- -
Windy Park (A)	5/2	0	0.0	14.8	- -						
DUCHESNE RIVER											
Atwood Lake (A)	5/2	4	1.6	8.1	- -						
Brown Duck Ridge	4/25	16	4.6	17.9	- -	4/25	.67	- -	- -	- -	- -
Chepeta-Whiterocks (A)	5/2	3	1.2	16.4	- -						
Currant Creek	4/25	0	0.0	0.0	1.6b	4/25	.35	2.28b	6.30	15.90b	40
Daniels-Strawberry Summit	4/25	0	0.0	9.1	7.9	4/25	.60	2.92	8.70	20.53	42
East Portal	5/2	0	0.0	0.0	- -	5/2	.26	3.19b	7.45	21.36b	35
Five Points Lake (A)	5/2	3	1.2	30.5	- -						
Indian Canyon	4/25	0	0.0	9.8	10.2b	4/25	.50	2.38b	4.89a	15.66b	31
Jackson Park	4/25	7	2.2	15.2	- -	4/25	.69	- -	8.29	- -	- -
Lake Basin	4/25	26	9.1	30.0	- -	4/25	.55	- -	8.13	- -	- -
Lakefork Basin (A)	5/2	6	2.4	31.1	- -						
Lakefork Mountain	4/25	0	0.0	11.8	11.9	4/25	.87	2.99	8.64	15.23	57
Lakefork Mountain #2	4/25	0	0.0	- -	3.7						
Lakefork Mountain #3	4/25	0	0.0	0.0	1.2						
Lightning Lake (A)	5/2	12	4.8	28.9	- -						
Mosby Mountain	4/25	0	0.0	11.1	9.6	4/25	.68	2.43	- -	13.26a	- -
Paradise Park	4/25	0	0.0	17.3	13.6	4/25	.55	3.17	6.94	18.06	38
Rock Creek Ranch	4/25	0	0.0	0.3	0.6b	4/25	.31	2.27	5.68	13.20	43
Strawberry Divide	5/2	0	0.0	- -	- -						
PRICE RIVER											
Dry Valley Divide	4/25	0	0.0	0.0	3.8						
Gooseberry Reservoir	4/26	0	0.0	18.2	17.0	4/26	.05	3.40	9.30	21.58	43
Jones Ranch	4/25	0	0.0	0.0	0.1b						
Mud Creek	4/25	0	0.0	4.4	7.7	4/25	.20	2.70	6.40	16.90	38
White River #1	4/25	0	0.0	6.7	9.1	4/25	.30	2.61	6.45	15.88	41
White River #2	4/25	0	0.0	0.0	1.1						
White River #3	4/25	0	0.0	0.0	0.3						

+ 1958-1972 period

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SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
SAN RAFAEL RIVER											
Buck Flat	4/25	0	0.0	11.1	15.4	4/25	.50	2.98	9.65	20.28	48
Huntington-Horseshoe	4/26	14	5.1	21.6	- -						
Orange Olsen	4/25	0	0.0	0.0	- -	4/25	.00	1.08a	4.01a	10.06a	40
Red Pine Ridge	4/25	0	0.0	12.3	14.6	4/25	.25	3.50	11.70	23.81	49
Rush Pond	4/25	0	0.0	5.5	10.7						
Seeley Creek R.S.	4/26	4	1.4	11.4	17.2	4/26	.05	- -	- -	- -	- -
Stuart R.S.	4/25	0	0.0	0.0	1.4	4/25	.00	2.16	4.85	14.32	34
Upper Joe's Valley	4/25	0	0.0	2.1	5.5b						
Wrigley Creek	4/25	0	0.0	4.6	7.6						
MUDDY RIVER											
Black's Fork	4/25	0	0.0	7.8	- -						
Dill's Camp	4/25	0	0.0	7.1	- -	4/25	.15	- -	7.75	- -	- -
FREMONT RIVER											
Black's Flat-U.M. Creek	4/26	0	0.0	7.9	7.8	4/26	.10	2.32	7.99	14.47	55
Fish Lake	4/26	0	0.0	2.4	3.2	4/26	.05	1.72b	6.40	11.08b	58
Johnson Valley	4/26	0	0.0	3.0	2.8						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	4/27	0	0.0	8.8	5.8	4/27	.58	2.51	5.49	20.53	27
Camp Jackson	4/27	0	0.0	2.4	4.5b	4/27	.52	2.13b	5.26	18.05b	29
LaSal Mountain (lower)	4/27	0	0.0	0.0	3.1b						
LaSal Mountain (upper)	4/27	0	0.0	11.0	11.7b	4/27	1.51	2.59b	9.32	18.26b	51
Monticello City Park	4/27	0	0.0	0.0	- -						
ESCALANTE RIVER											
Widtsoe-Escalante Summit	4/25	0	0.0	4.9	2.8						
Widtsoe-Escalante #2	4/25	0	0.0	8.0	6.1						
Widtsoe-Escalante #3	4/25	0	0.0	10.4	7.8b	4/25	.50	2.84	6.88	15.44	45
VIRGIN RIVER											
Kolob-Crystal	4/25	0	0.0	16.6	- -						
Long Valley Junction	4/25	0	0.0	0.0	0.1b						
Webster Flat	4/25	0	0.0	16.0	11.4	4/25	.70	3.81	11.60	23.08	50

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period.

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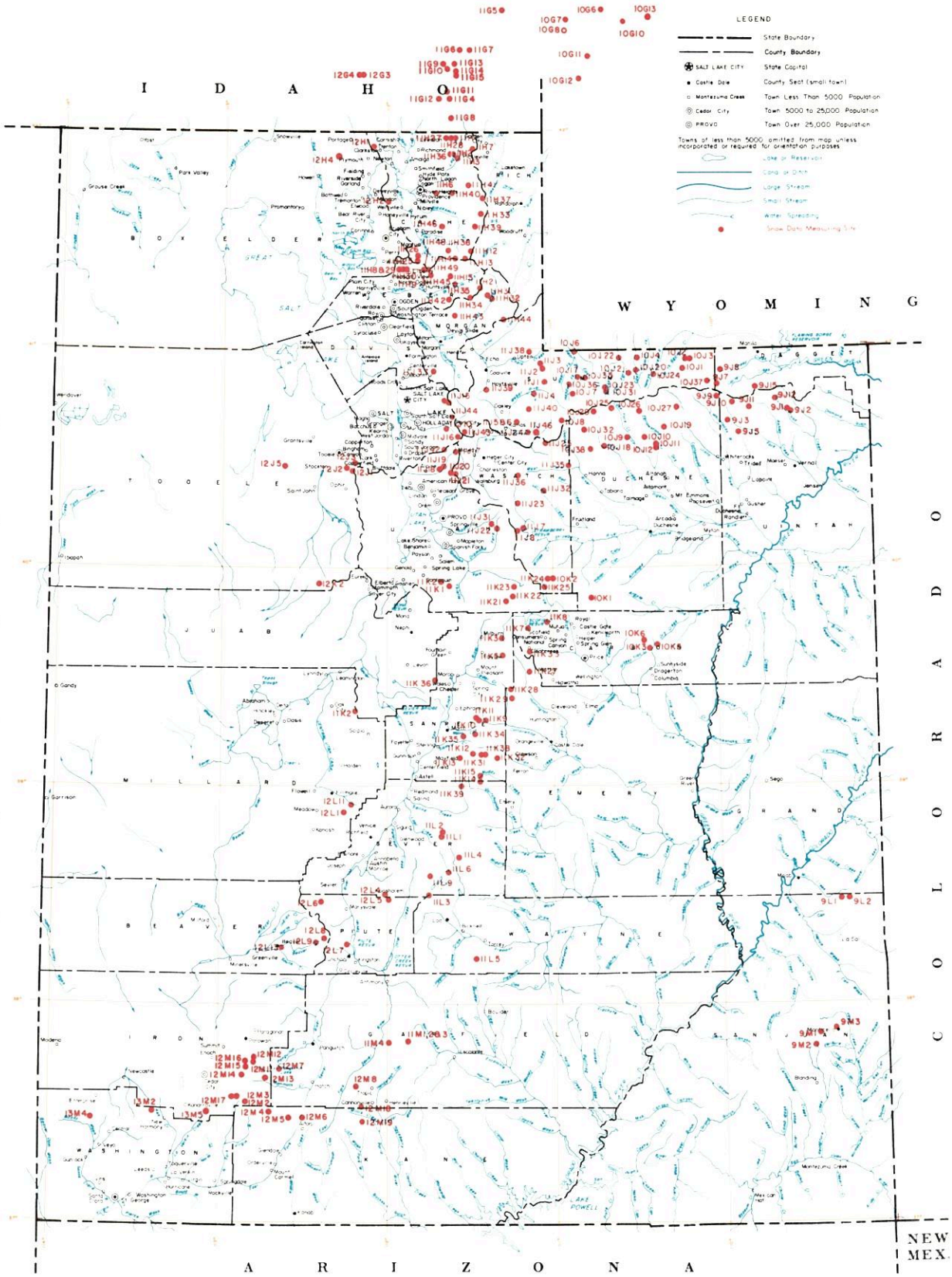

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,000,000

ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H45P	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,760
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
11[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K2BPST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

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

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JUNE 1, 1977

WATER SUPPLY OUTLOOK

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USDA-SCS-PORTLAND, OR 1976

M7-L-22030X

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

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

Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

USDA-SCS-PORTLAND, OR. 1976 M7-L-22027B

WATER SUPPLY OUTLOOK

as of
JUNE 1, 1977

* *
* Utah's water supply outlook ranges from poor for water users *
* on natural streamflow to near average for those with good *
* reservoir carry-over. Heavy May precipitation saved about two*
* weeks of reservoir water, but did not increase streamflow *
* appreciably. Water shortages are still expected statewide. *
* *

SNOW COVER

Snow remains at only the highest most protected areas. Only six or seven snow courses out of 160 surveyed had measurable snow as of June 1. May storms produced as much as 18 inches of new snow at some locations, but most of this melted and was absorbed by dry soils.

PRECIPITATION

Precipitation at mountain locations ranged from 66% of average above Moab to 374% at Long Flat west of Cedar City. In general, most areas were average to three times average except the north slope of the Uintahs which was 3 to 25% less than average and the East Fork Sevier, Fremont River and LaSal Mountain areas which were 20 to 34% less than average.

SOIL MOISTURE

May rains helped recharge previously dry soils and upper watershed soils are now better, but still generally drier than average.

RESERVOIR STORAGE

Reservoir storage is below average for June 1 and ranges only 30 to 94% as much as last year at this time. The Great Salt Lake is now 4,200.70 feet above mean sea level. It increased 0.05 feet last month and is down 0.05 feet from the peak on March 15, 1977.

STREAMFLOW

Streamflow in May, according to the U.S. Geological Survey, ranged from 20% of average on Beaver River to 44% on Big Cottonwood with very little increase in flows caused by above average precipitation. Forecasts of streamflow issued May 1 may be increased only 2 to 10% by good May rains. Continued above average precipitation will be needed to help ease the water shortage.

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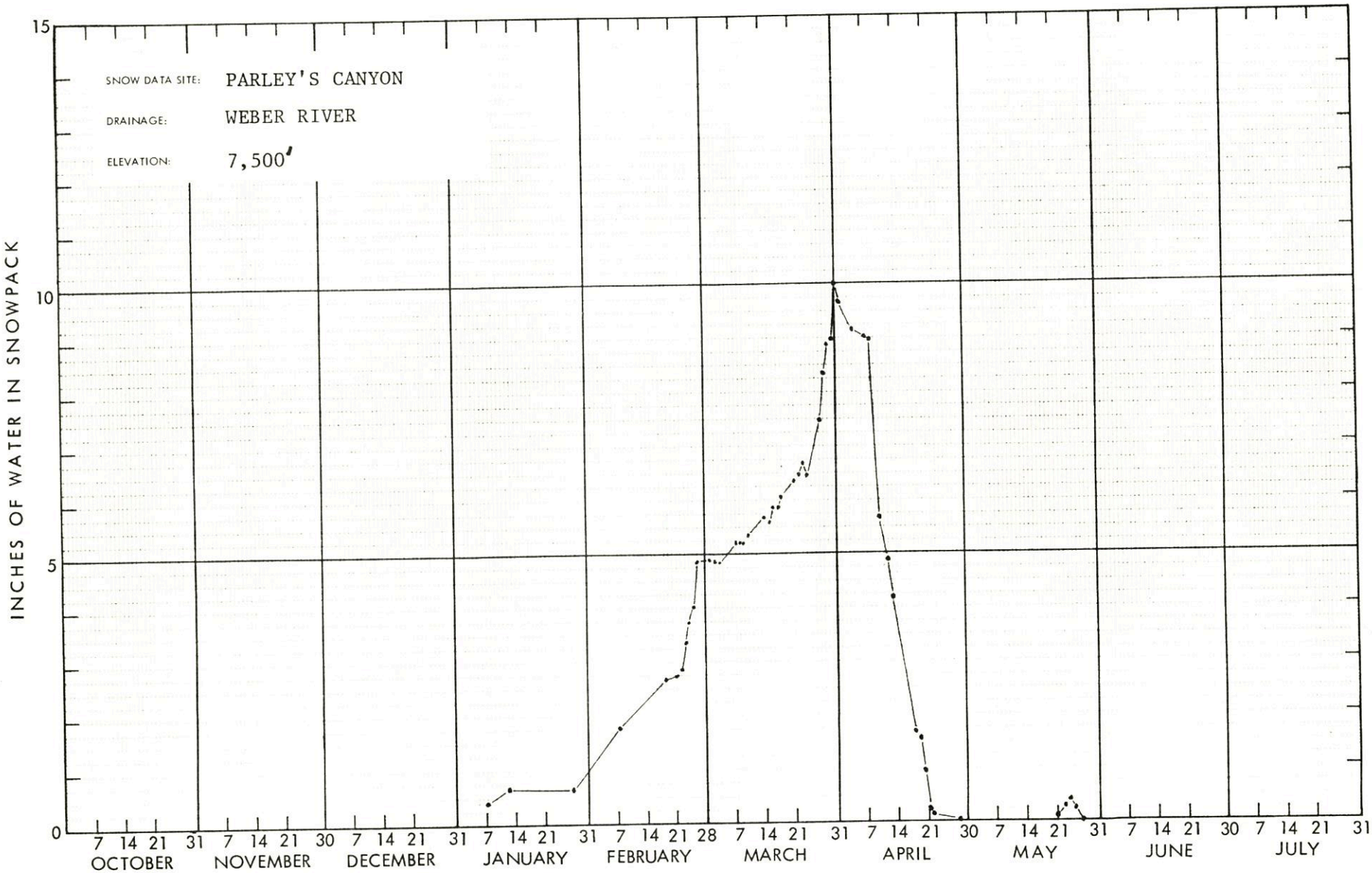
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DRAINAGE: WEBER RIVER
ELEVATION: 7,500'
INCHES OF WATER IN SNOWPACK
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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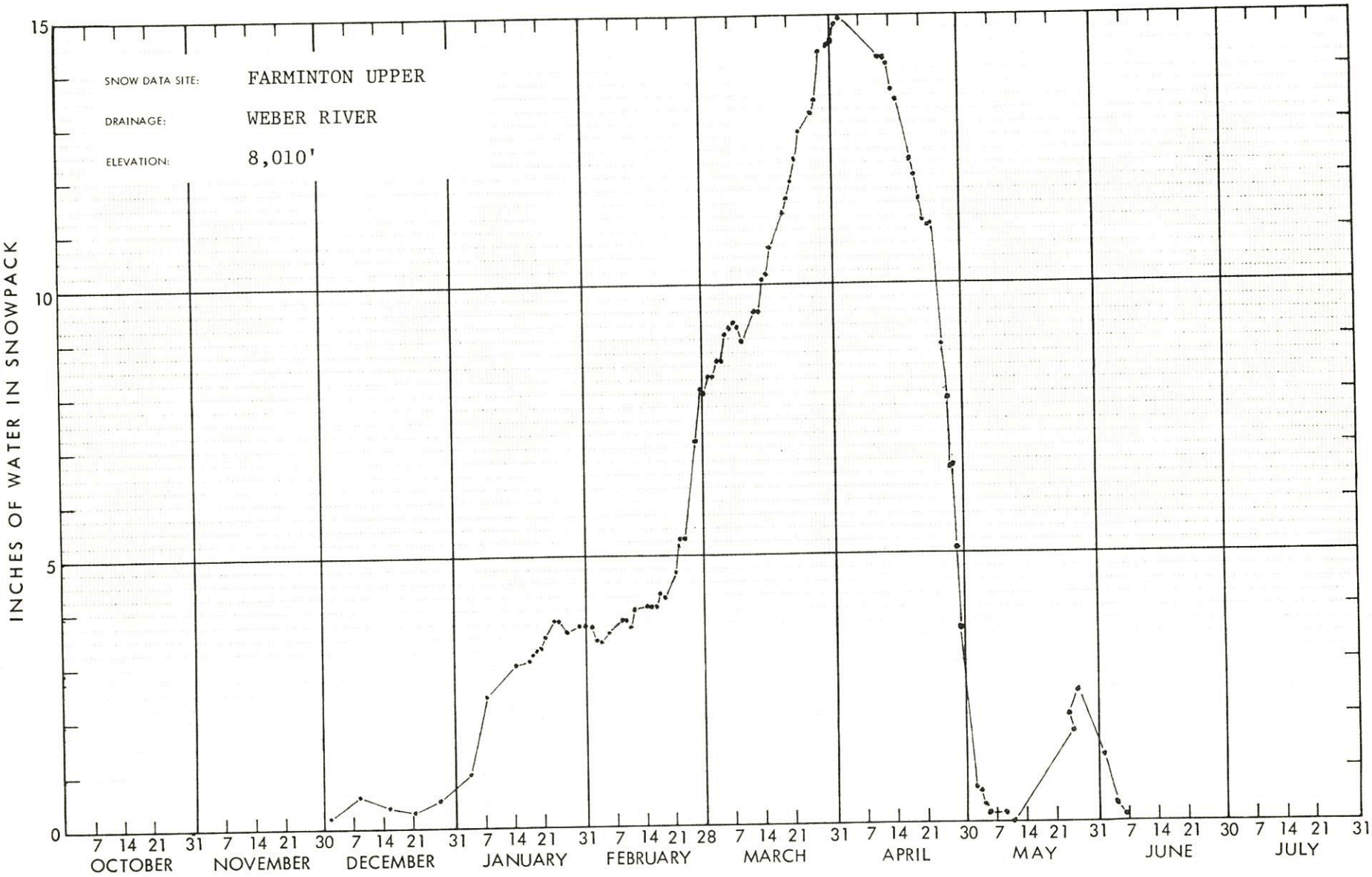
SNOW DATA SITE: FARMINTON UPPER
DRAINAGE: WEBER RIVER
ELEVATION: 8,010'
INCHES OF WATER IN SNOWPACK
15
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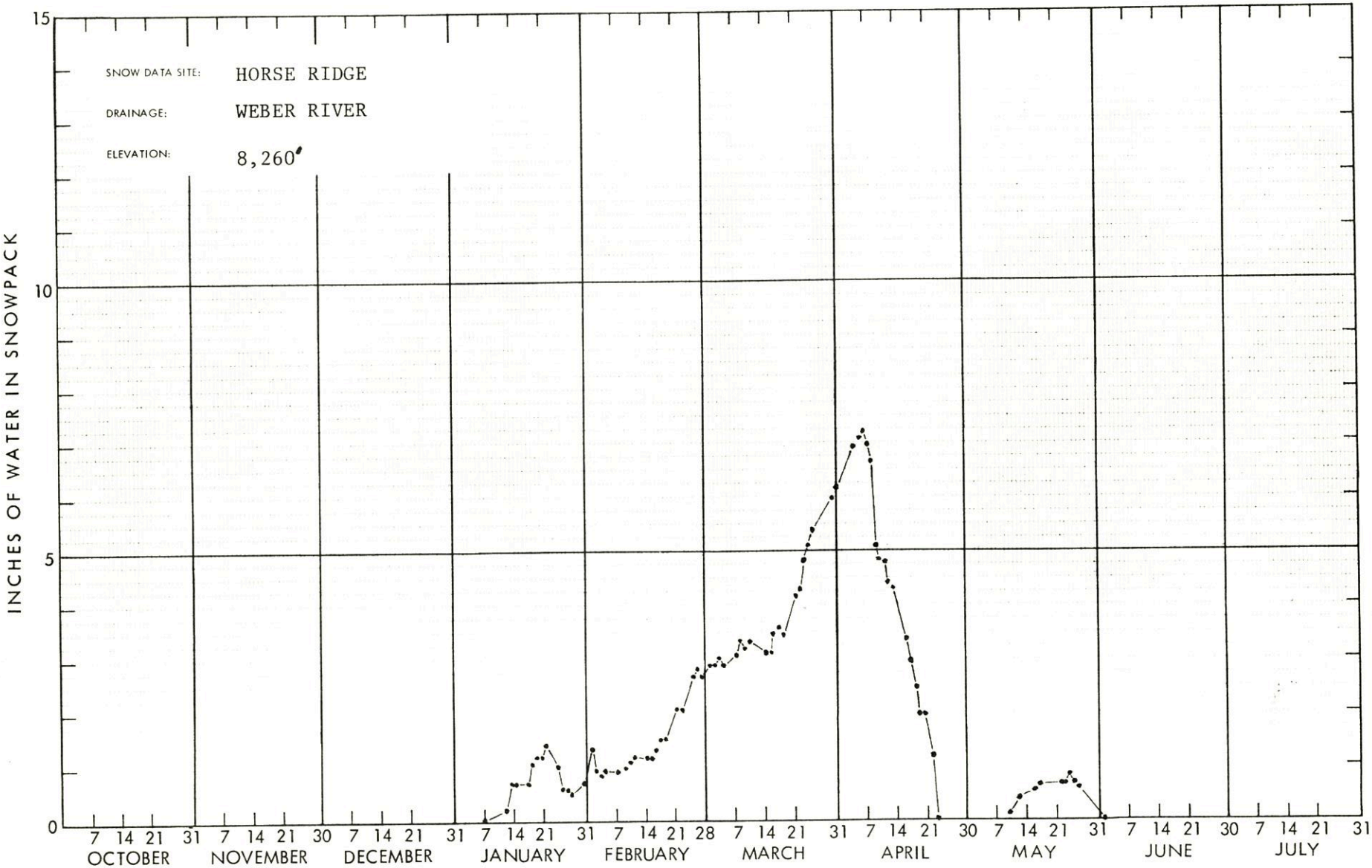
SNOW DATA SITE: HORSE RIDGE
DRAINAGE: WEBER RIVER
ELEVATION: 8,260'
INCHES OF WATER IN SNOWPACK
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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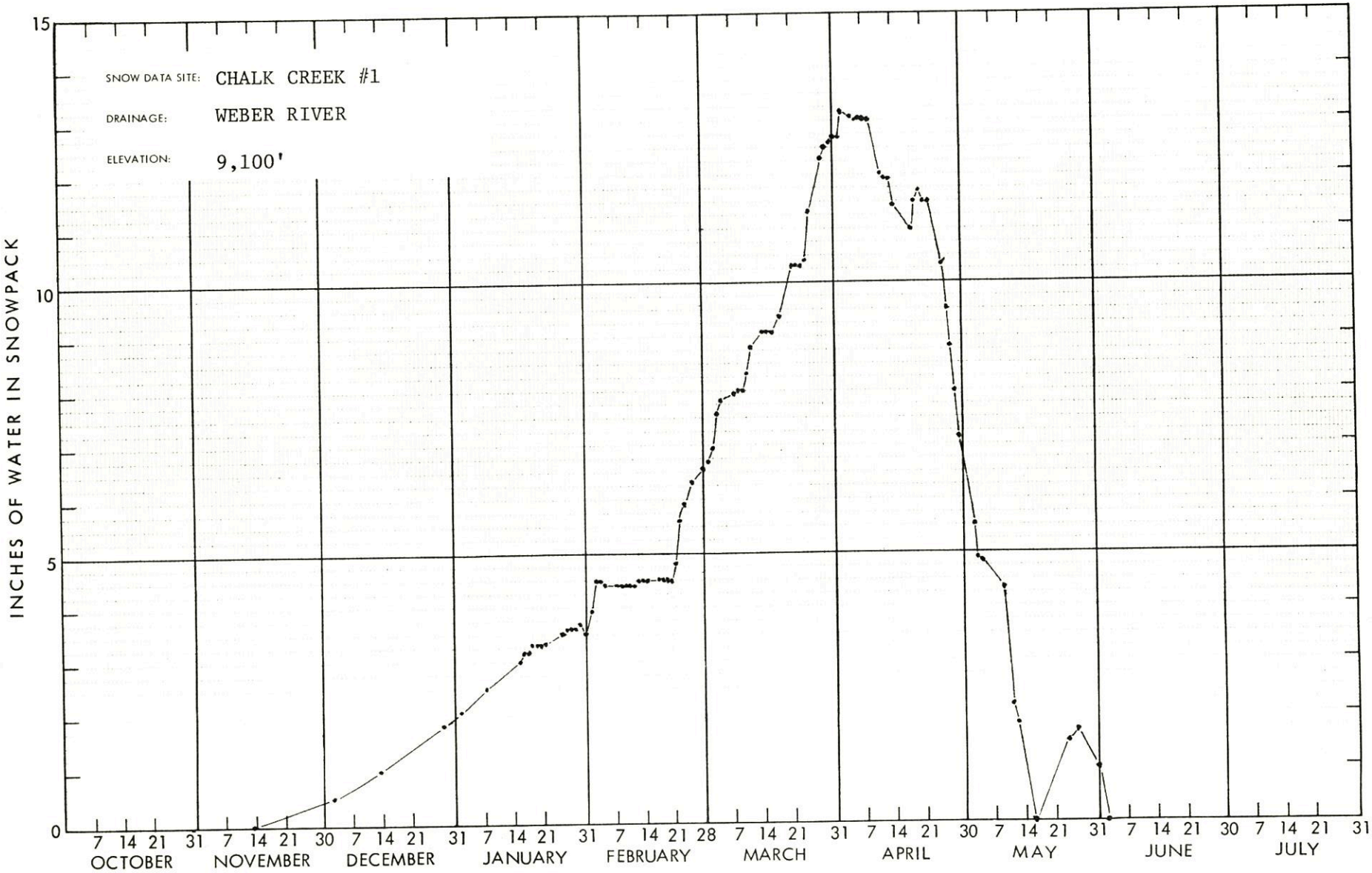
SNOW DATA SITE: CHALK CREEK #1
DRAINAGE: WEBER RIVER
ELEVATION: 9,100'
INCHES OF WATER IN SNOWPACK
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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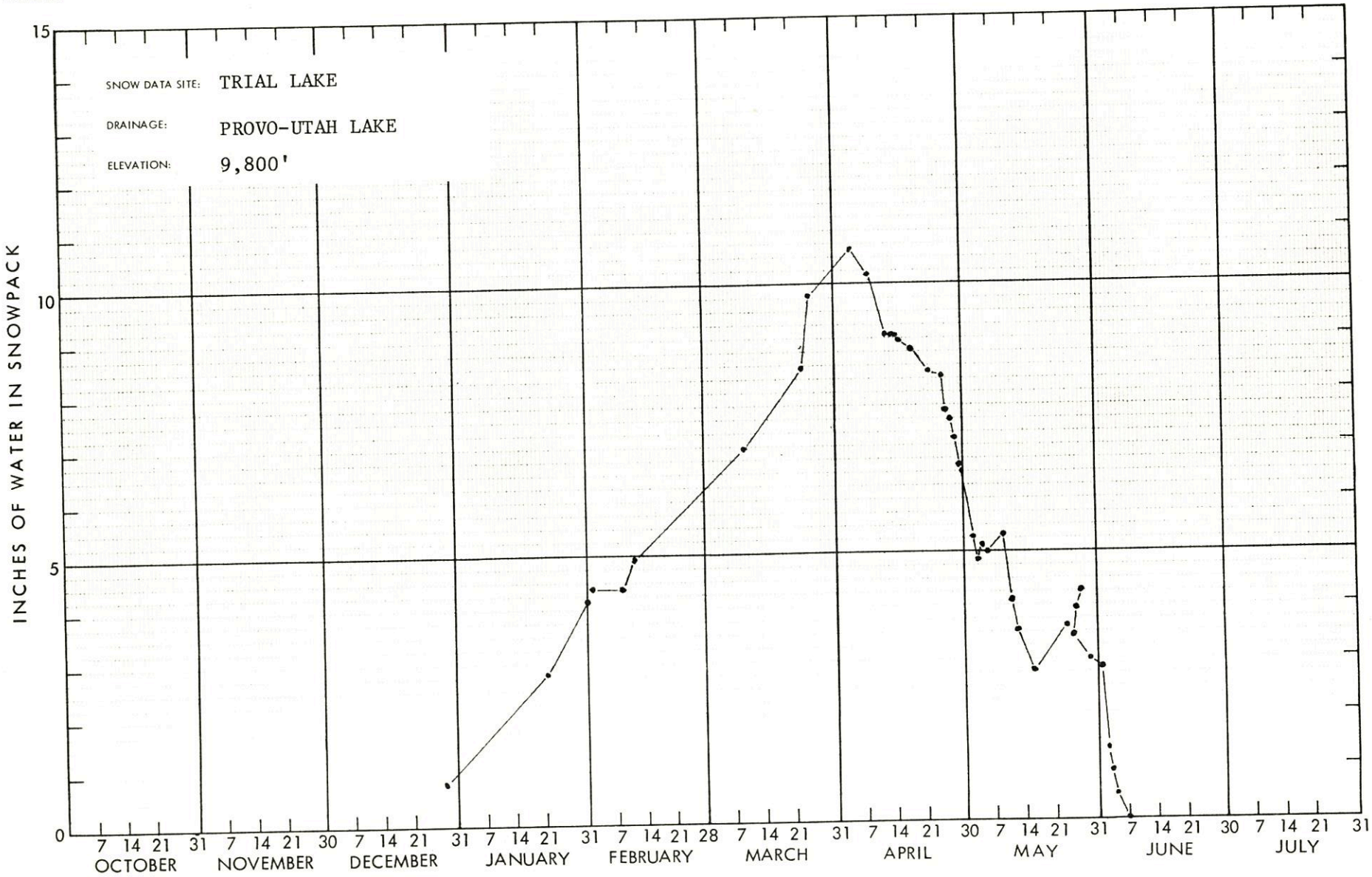
SNOW DATA SITE: TRIAL LAKE
DRAINAGE: PROVO-UTAH LAKE
ELEVATION: 9,800'
INCHES OF WATER IN SNOWPACK
15
10
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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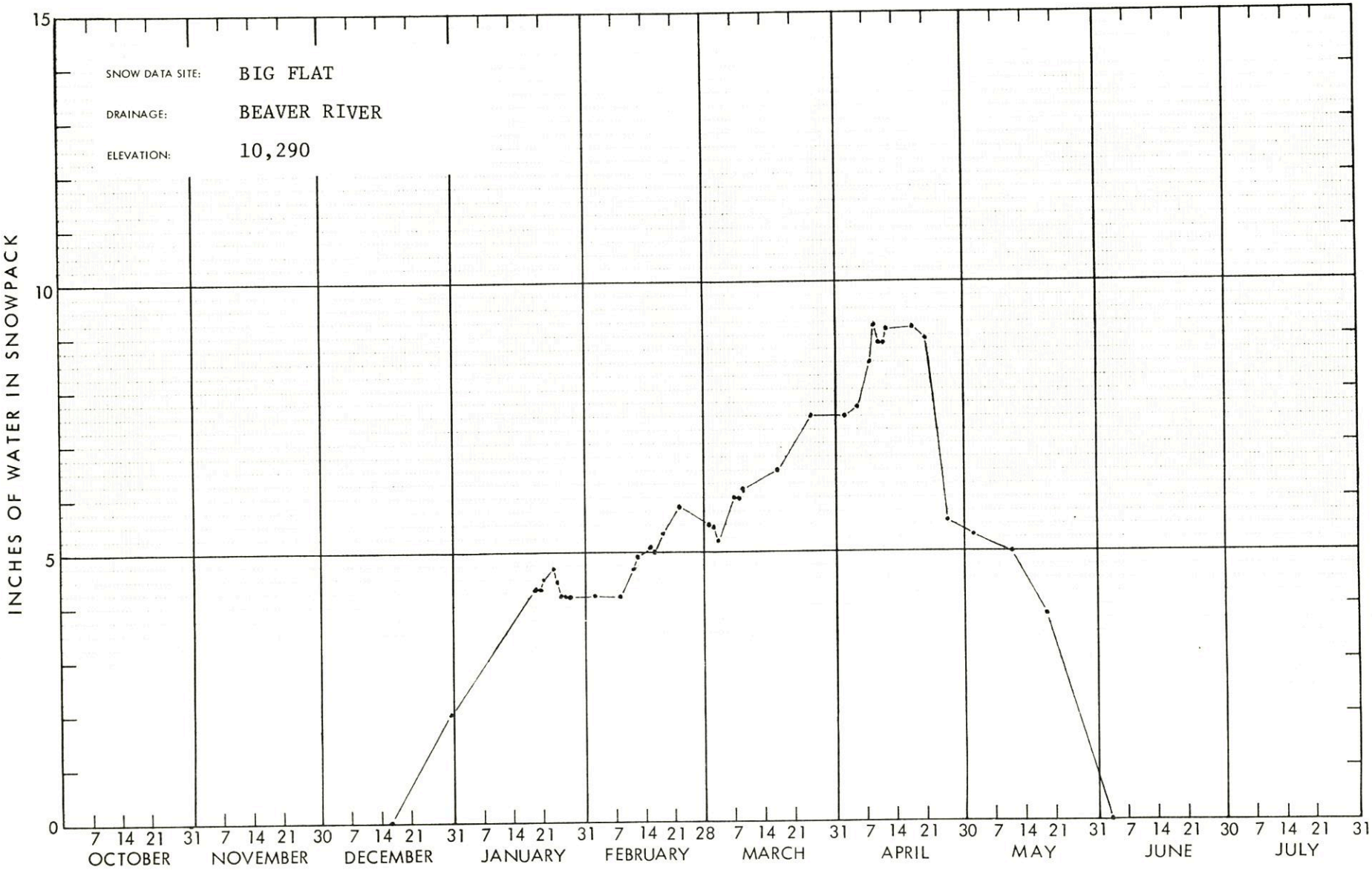
SNOW DATA SITE: BIG FLAT
DRAINAGE: BEAVER RIVER
ELEVATION: 10,290
INCHES OF WATER IN SNOWPACK
15
10
5
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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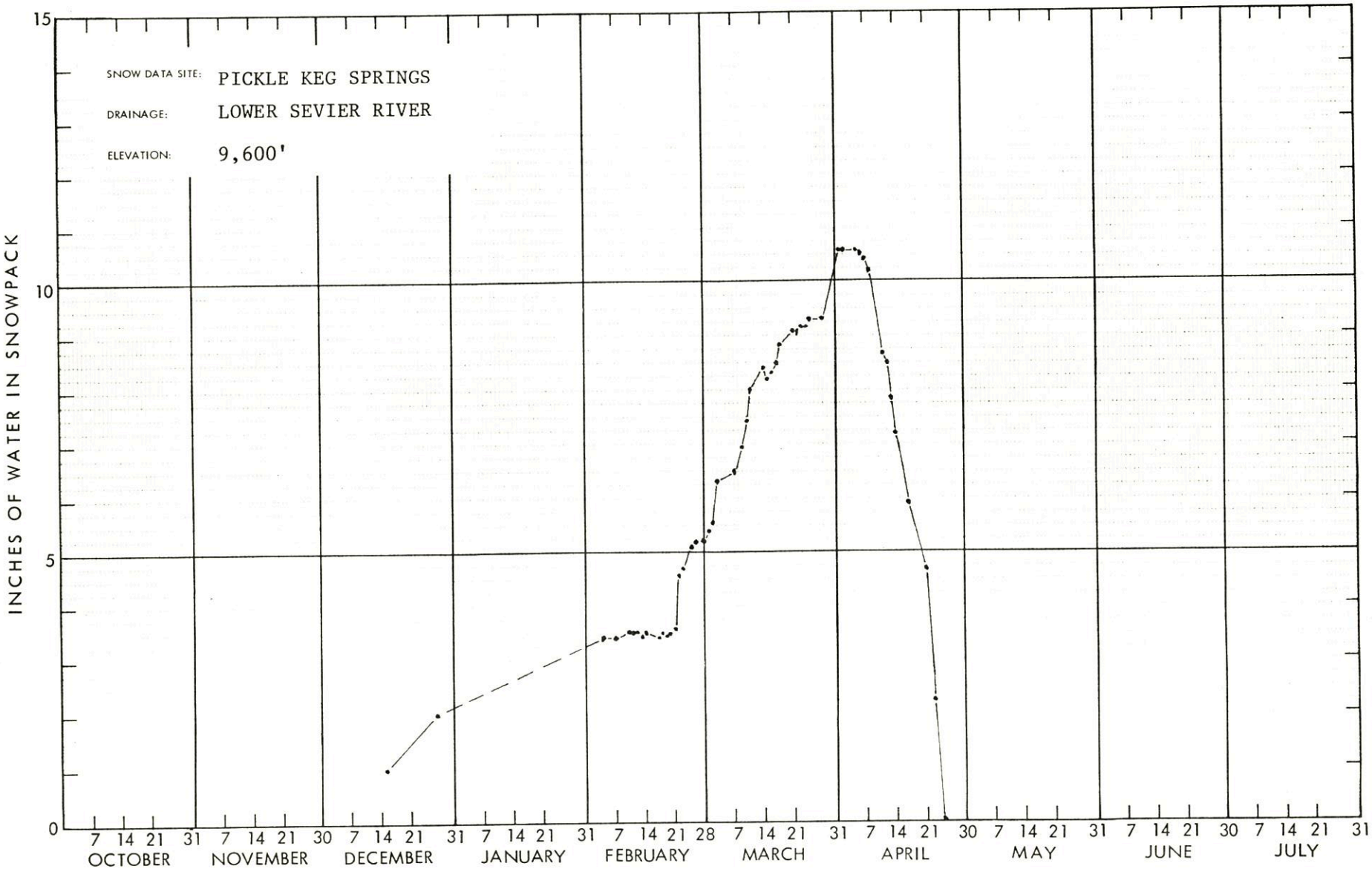
SNOW DATA SITE: PICKLE KEG SPRINGS
DRAINAGE: LOWER SEVIER RIVER
ELEVATION: 9,600'
INCHES OF WATER IN SNOWPACK
15
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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JUNE
JULY

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	6/1	0	0.0	0.0	0.0	6/1	2.23	2.32a	8.74a	13.99a	62
Hayden Fork	6/1	0	0.0	0.0	16.3	6/1	4.22	3.88a	16.60	28.60a	58
Monte Cristo R.S.	5/31	0	0.0	2.2	26.9	5/31	*6.53	2.27b	18.97	35.35b	54
Salt River Summit						5/31	*3.38	1.45	11.19	20.64	54
Stillwater Camp	6/1	0	0.0	0.0	2.9	6/1	2.44	2.22	11.30	17.32	65
LOWER BEAR RIVER (Below Harer, Idaho)											
Franklin Basin	5/31	0	0.0	4.7	31.2						
Garden City Summit	5/31	0	0.0	0.0	10.0	5/31	*3.80e	1.88b	11.29a	25.24b	45
Klondike Narrows	5/31	0	0.0	0.0	13.7	5/31	*5.56	2.75b	13.96a	29.20b	48
Little Bear (lower)	5/31	0	0.0	0.0	0.0						
Little Bear (upper)	5/31	0	0.0	0.0	0.0						
Steep Hollow #1	5/31	0	0.0	23.3	48.2						
Steep Hollow #2	5/31	0	0.0	0.0	26.1						
Tony Grove Lake	5/31	0	0.0	10.2	- -						
Tony Grove R.S.	5/31	0	0.0	0.0	0.0	5/31	*4.59	1.56a	10.92	22.97a	48
Willow Flat						5/27	*6.46	2.62	17.23	29.49	58
OGDEN RIVER											
Beaver Creek-Skunk Creek	5/31	0	0.0	0.0	0.0						
Ben Lomond (lower)	5/31	0	0.0	0.0	2.3	5/31	*9.04e	2.86b	16.13a	32.18b	50
Ben Lomond Peak	5/31	6	1.9	0.0	52.3						
Causey Dam						5/31	*5.04	1.59a	9.51	18.23a	52
Cutler Creek	5/31	0	0.0	0.0	36.0						
Dry Bread Pond	5/31	0	0.0	0.0	21.1	5/31	*6.17	2.22b	14.95a	27.38b	55
Sagebrush Flat	5/31	0	0.0	0.0	0.0	5/31	*4.46	1.41b	9.34	18.29b	51
WEBER RIVER											
Beaver Creek R.S.	6/1	0	0.0	0.0	0.0						
Chalk Creek #1	6/1	0	0.0	3.5	26.4						
Chalk Creek #2	6/1	0	0.0	0.0	10.8						
Chalk Creek #3	6/1	0	0.0	0.0	0.0	6/1	3.43	2.17b	12.40	17.76b	70
Farmington Canyon (lower)	5/28	0	0.0	0.0	- -	5/28	10.51	- -	25.92	- -	- -
Farmington Canyon (upper)	5/28	0	0.0	0.0	48.6						
Farmington G.S.						5/28	9.80	- -	26.06	- -	- -
Horse Ridge	5/31	0	0.0	0.0	18.5	5/31	*5.92	2.21a	17.04	32.87a	52
Kilfoil Creek	5/31	0	0.0	0.0	0.9						
Lost Creek Reservoir	5/31	0	0.0	0.0	0.0	5/31	*5.49e	- -	- -	- -	- -
Parley's Canyon Summit	5/31	0	0.0	0.0	10.3	5/31	5.13	2.09	19.03	28.82	66
Redden Mine (lower)	6/1	0	0.0	0.0	17.5						
Redden Mine (upper)						6/1	4.78	2.56a	17.93	27.57a	65
Sergeant Lakes (A)	6/7	0	0.0	0.0	- -						
Smith & Morehouse	6/1	0	0.0	0.0	5.3	6/1	3.56	2.18	13.62	24.21	56
PROVO RIVER & UTAH LAKE											
Camp Altamont	5/31	0	0.0	0.0	0.0						
Clear Creek Ridge #1	6/1	0	0.0	0.0	17.2						
Clear Creek Ridge #2	6/1	0	0.0	0.0	3.1	6/1	2.90	1.79	10.37	20.34	51
Clear Creek Ridge #3	6/1	0	0.0	0.0	0.0						
Dutchman R.S.	5/31	0	0.0	0.0	6.8	5/31	*7.20	2.10	17.59a	26.98	65
East Shingle Lake (A)	6/7	0	0.0	3.0	41.0						
Hobble Creek Summit	5/31	0	0.0	0.0	0.0	5/31	4.15	1.91	12.07	21.62	56
Packard Canyon	5/31	0	0.0	0.0	0.0						
Payson R.S.	6/1	0	0.0	0.0	9.2	6/1	3.35	1.83	13.80	23.00	60
Rock Bridge	6/1	0	0.0	0.0	0.0						
Soapstone R.S.	6/1	0	0.0	0.0	2.9	6/1	3.48	1.71	11.89	20.64	58
South Fork R.S.	6/1	0	0.0	0.0	0.0						
Timpanogos Cave Camp	6/1	0	0.0	0.0	0.0						
Timpanogos Divide	5/31	0	0.0	0.0	20.6	5/31	*7.55	2.20	16.05	30.77	52
Trial Lake	6/1	0	0.0	13.4	31.0	6/1	5.35	2.54	16.59	29.98	55

+ 1958-1972 period.

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
JORDAN RIVER & SALT LAKE											
Beaver Creek Divide	6/1	0	0.0	0.0	5.5						
Bevan's Cabin		Not Measured		0.0	0.0						
Lamb's Canyon	5/31	0	0.0	0.0	2.2						
Lamb's Canyon #2	5/31	0	0.0	0.0	4.3	5/31	*5.90	- -	15.57a	- -	- -
Middle Canyon - Tooele	5/26	0	0.0	0.0	4.6	5/26	6.70	2.40b	20.70	23.21b	89
Mill Creek		Not Measured									
Mill D South Fork		Not Measured									
Mt. Dell Dam						5/31	5.25	1.91	12.24	18.15	67
Rocky Basin-Settlement Canyon	5/27	0	0.0	7.8	- -	5/27	9.80	- -	13.63	- -	- -
Silver Lake (Brighton)	5/31	0	0.0	0.0	35.8	5/31	6.85	2.41	21.91	35.16	62
Vernon Creek	5/26	0	0.0	0.0	0.0	5/26	5.60	- -	13.43	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	5/31	0	0.0	0.0	- -	5/31	1.60	1.88	11.73	18.29	64
Castle Valley	6/2	0	0.0	0.0	0.0	6/2	3.70	1.47	12.72	18.99	67
Duck Creek	6/2	0	0.0	0.0	0.0	6/2	*4.40	1.71	11.40	22.08	52
Harris Flat	6/2	0	0.0	0.0	- -						
Kimberly Mine	6/2	0	0.0	0.0	11.6	6/2	3.05	2.17b	14.79	23.18b	64
Midway Valley	6/2	0	0.0	0.0	22.9	6/2	*5.90	- -	15.05	- -	- -
Panguitch Lake	6/2	0	0.0	0.0	0.0	6/2	2.20	.88	8.17a	9.29	88
Squaw Springs	6/2	0	0.0	0.0	- -						
Widtsoe R.S.						5/27	.77	.87	2.78a	6.84	41
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	5/31	0	0.0	0.0	0.0	5/31	2.40	2.14	10.23a	18.22	56
Farnsworth Lake	5/31	0	0.0	- -	24.5	6/2	2.30	2.79	17.55	26.22	67
G.B.R.C. Headquarters	6/1	0	0.0	0.0	13.9	6/1	3.65	2.30	14.70	23.90	62
G.B.R.C. Majors						6/1	1.85	1.50	6.70	13.50	50
G.B.R.C. Meadows	6/1	0	0.0	0.0	30.1	6/1	4.15	2.60	17.41	29.80	58
G.B.R.C. Oaks						6/1	2.44	1.60	8.95	16.20	55
Gooseberry R.S.	6/2	0	0.0	- -	- -	6/2	1.60	- -	12.15	- -	- -
Mammoth-Cottonwood R.S.	6/1	0	0.0	0.0	19.3	6/1	4.10	2.00b	14.35	24.19b	60
Middle Fork	5/31	6	2.6	- -	- -						
Mt. Baldy R.S.	5/31	0	0.0	0.0	26.6	5/31	3.40	2.67b	13.60a	23.51b	58
Oak Creek	5/31	0	0.0	0.0	0.0	5/31	3.11	1.72a	12.58	19.05a	66
Pickle Keg Springs	5/31	0	0.0	- -	- -	5/31	2.50	- -	- -	- -	- -
Pine Creek	6/2	0	0.0	0.0	10.3	6/2	3.70	3.00	21.90	30.70	71
Rees Flat	6/1	0	0.0	- -	- -	6/1	3.40	- -	12.23	- -	- -
Shingle Mill	5/31	0	0.0	0.0	0.0	5/31	2.57	2.06b	13.13	19.33b	68
Thistle Flat	5/31	0	0.0	- -	- -						
BEAVER RIVER											
Beaver Canyon Power House						5/31	2.13	1.37	8.54	12.37	69
Beaver Race Track	6/2	0	0.0	0.0	- -						
Big Flat	6/2	0	0.0	4.4	18.0	6/2	3.90	2.79b	13.00	22.52b	58
Merchant Valley (Upper)	6/2	0	0.0	0.0	0.0	6/2	3.25	2.35a	12.89	19.36a	66
Otter Lake	6/2	0	0.0	0.0	9.1						
PAROWAN CREEK											
Birch Crossing	6/2	0	0.0	0.0	- -						
Brian Head	6/2	0	0.0	0.0	14.9						
Edward Flat	6/2	0	0.0	0.0	- -						
Tall Poles	6/2	0	0.0	0.0	4.8	6/2	2.80	1.67a	13.70	23.77a	58
Yankee Reservoir	6/2	0	0.0	0.0	0.0	6/2	2.00	1.43	10.95	15.77	69
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	6/2	0	0.0	0.0	0.0	6/2	*5.10	.88	- -	15.61b	- -
Long Flat	6/2	0	0.0	- -	- -	6/2	4.60	1.23b	10.45	14.24b	73
COAL CREEK											
Cedar City Golf Course	6/2	0	0.0	0.0	- -						
SUSC Ranch	6/2	0	0.0	0.0	- -						

USDA-SCS PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) 2 Years Ago	CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
COLORADO RIVER BASIN											
UPPER GREEN RIVER - UTAH											
Ashley Twin Lakes (A)	6/7	0	0.0	2.0	- -						
Black's Fork Junction	6/1	0	0.0	0.0	3.8	6/1	2.29	2.35b	10.78	16.82b	64
Black's Fork G.S.-East Fork	6/1	0	0.0	0.0	6.6	6/1	2.22	2.44b	11.62	17.55b	66
Buck Pasture	6/1	0	0.0	0.0	16.8	6/1	- -	- -	16.28	- -	- -
Burnt Creek	5/31	0	0.0	0.0	3.9	5/31	2.27	2.84b	8.62	14.91b	58
Grizzly Ridge	5/31	0	0.0	0.0	9.3	5/31	3.73	2.64b	11.48	19.33b	59
Henry's Fork (A)	6/7	0	0.0	0.0	- -						
Hewinta G.S.	6/1	0	0.0	0.0	6.6	6/1	2.13	2.51b	11.76	18.40b	64
Hickerson Park	6/1	0	0.0	0.0	- -	6/1	2.16	2.89a	11.51	14.89	77
Highline Trail	6/1	0	0.0	13.1	- -	6/1	4.90	- -	12.76	- -	- -
King's Cabin (lower)	6/1	0	0.0	0.0	3.2						
King's Cabin (upper)	6/1	0	0.0	0.0	5.9	6/1	3.23	2.60	11.82	16.81	70
Reynolds Park (A)	6/7	0	0.0	1.0	- -						
Spirit Lake	6/1	0	0.0	7.2	- -	6/1	5.94	3.68b	17.10	22.38b	76
Steel Creek Park	6/1	0	0.0	9.6	21.5						
Windy Park (A)	6/7	0	0.0	0.0	- -						
DUCHESNE RIVER											
Atwood Basin (A)	6/7	0	0.0	0.0	- -						
Brown Duck Ridge	6/1	8	2.0	9.6	23.7	6/1	6.10	- -	- -	- -	- -
Chepeta-Whiterocks (A)	6/7	0	0.0	0.0	- -						
Currant Creek	5/31	0	0.0	0.0	0.0	5/31	2.90	1.34b	9.20	17.24b	53
Daniels-Strawberry Summit	5/31	0	0.0	0.0	2.6	5/31	3.35	1.64	12.05	22.17	54
East Portal	5/31	0	0.0	- -	- -	5/31	3.42	2.25b	10.87	23.61b	46
Five Point Lake (A)	6/7	0	0.0	3.0	- -						
Indian Canyon	5/31	0	0.0	0.0	7.2	5/31	*4.60	1.71b	9.49a	17.37b	55
Jackson Park	6/1	2	0.8	9.8	16.9	6/1	5.46	- -	13.75	- -	- -
Lake Basin	6/1	20	9.5	23.3	41.3	6/1	5.30	- -	13.43	- -	- -
Lakefork Basin	6/7	0	0.0	10.0	- -						
Lakefork Mountain #1	6/1	0	0.0	0.8	11.4	6/1	4.65	2.26	13.29	17.49	76
Lakefork Mountain #2		Not Measured									
Lakefork Mountain #3	6/1	0	0.0	0.0	0.0						
Lightning Lake (A)	6/7	6	3.0	6.0	- -						
Mosby Mountain	6/1	0	0.0	2.2	9.2	6/1	5.29	2.65a	- -	15.91a	- -
Paradise Park	6/1	0	0.0	8.2	13.6	6/1	*6.38	2.50	13.32	20.56	65
Rock Creek Ranch	6/1	0	0.0	0.0	0.0	6/1	3.44	1.59	9.12	14.79	62
Strawberry Divide	5/31	0	0.0	0.0	- -						
Trout Creek	6/1	0	0.0	0.0	9.1	6/1	3.40	- -	- -	- -	- -
PRICE RIVER											
Dry Valley Divide	5/31	0	0.0	0.0	- -						
Gooseberry Reservoir	6/1	0	0.0	0.0	18.7	6/1	4.60	2.04	13.90	23.62	59
Jones Ranch	5/31	0	0.0	0.0	- -						
Mud Creek #2	5/31	0	0.0	0.0	0.0	5/31	3.15	1.66	9.55	18.56	51
White River #1	5/31	0	0.0	0.0	6.0	5/31	3.05	- -	9.50	- -	- -
White River #2	5/31	0	0.0	0.0	- -						
White River #3	5/31	0	0.0	0.0	- -						
SAN RAFAEL RIVER											
Buck Flat	5/31	0	0.0	0.0	13.2	5/31	3.30	2.15	12.95	22.43	58
Huntington-Horseshoe	6/1	3	1.2	- -	- -						
Orange Olsen	5/31	0	0.0	0.0	0.0	5/31	*2.25	.79a	6.26a	10.85a	58
Red Pine Ridge	5/31	0	0.0	0.0	- -	5/31	4.35	1.93	16.05	25.74	62
Rush Pond	5/31	0	0.0	0.0	9.1						
Seeley Creek	6/1	0	0.0	0.0	- -	6/1	4.45	- -	- -	- -	- -
Stuart R.S.	5/31	0	0.0	0.0	0.0	5/31	3.40	1.40b	8.25	15.72b	52
Upper Joe's Valley	5/31	0	0.0	0.0	- -						
Wrigley Creek	5/31	0	0.0	0.0	- -						
MUDDY RIVER											
Black's Fork	5/31	0	0.0	- -	- -						
Dill's Camp	5/31	0	0.0	- -	- -	5/31	2.70	- -	10.45	- -	- -

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USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and or SNOW COURSE				Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	5/31	0	0.0	0.0	4.0	5/31	1.45	1.81	9.44	16.28	58
Fish Lake	5/31	0	0.0	0.0	0.0	5/31	1.20	1.40b	7.60	12.48b	61
Johnson Valley	6/2	0	0.0	- -	- -						
MILL CREEK											
LaSal Mountain (lower)	5/27	0	0.0	0.0	0.0						
LaSal Mountain (upper)	5/27	0	0.0	0.0	3.2	5/27	1.53	2.31b	10.85	20.57b	53
SAN JUAN RIVER											
Buckboard Flat	5/26	0	0.0	0.0	0.0	5/26	1.71	1.73	7.20	22.26	32
Camp Jackson	5/26	0	0.0	0.0	0.0	5/26	2.01	1.33b	7.27	19.38b	38
Monticello City Park	6/1	0	0.0	0.0	0.0						
ESCALANTE RIVER											
Widtsoe Escalante Summit	5/27	4	1.6e	0.0	- -						
Widtsoe Escalante #2	5/27	6	2.4e	0.4	1.5						
Widtsoe Escalante #3	5/27	6	2.4e	0.6	0.6	5/27	3.40	1.66	10.28	17.10	60
VIRGIN RIVER											
Kolob Crystal	6/2	0	0.0	0.0	18.2						
Long Valley Junction	6/2	0	0.0	0.0	0.0						
Webster Flat	6/2	0	0.0	0.0	9.1	6/2	*6.10	1.90b	17.70	24.98b	71

* - New Record Maximum Precipitation
a - Partly Estimated
b - Average of all past record - less than 15 years
\+ - 1958-72 Average
A - Aerial Marker Reading

ADDITIONS AND CORRECTIONS TO PREVIOUSLY PUBLISHED 1977 DATA

JANUARY 1, 1977											
Klondike Narrows						12/27	- -	- -	1.47a	- -	- -
Lamb's Canyon #2						12/27	- -	- -	.64e	- -	- -
Widtsoe R.S.						12/27	- -	- -	1.07	2.91	37
Beaver Dams						12/27	- -	- -	1.68e	5.42	31
Beaver Race Track	12/30	0	0.0	- -	- -						
Burnt Creek						12/29	- -	- -	1.07	4.94b	22
Hickerson Park						12/27	- -	- -	3.86	2.59a	149
Orange Olsen						12/28	- -	- -	1.06e	2.81a	38
FEBRUARY 1, 1977											
No Corrections											
MARCH 1, 1977											
No Corrections											
APRIL 1, 1977											
No Corrections											
MAY 1, 1977											
Silver Lake (Brighton)						4/30	.76	5.06	15.06	32.75	45

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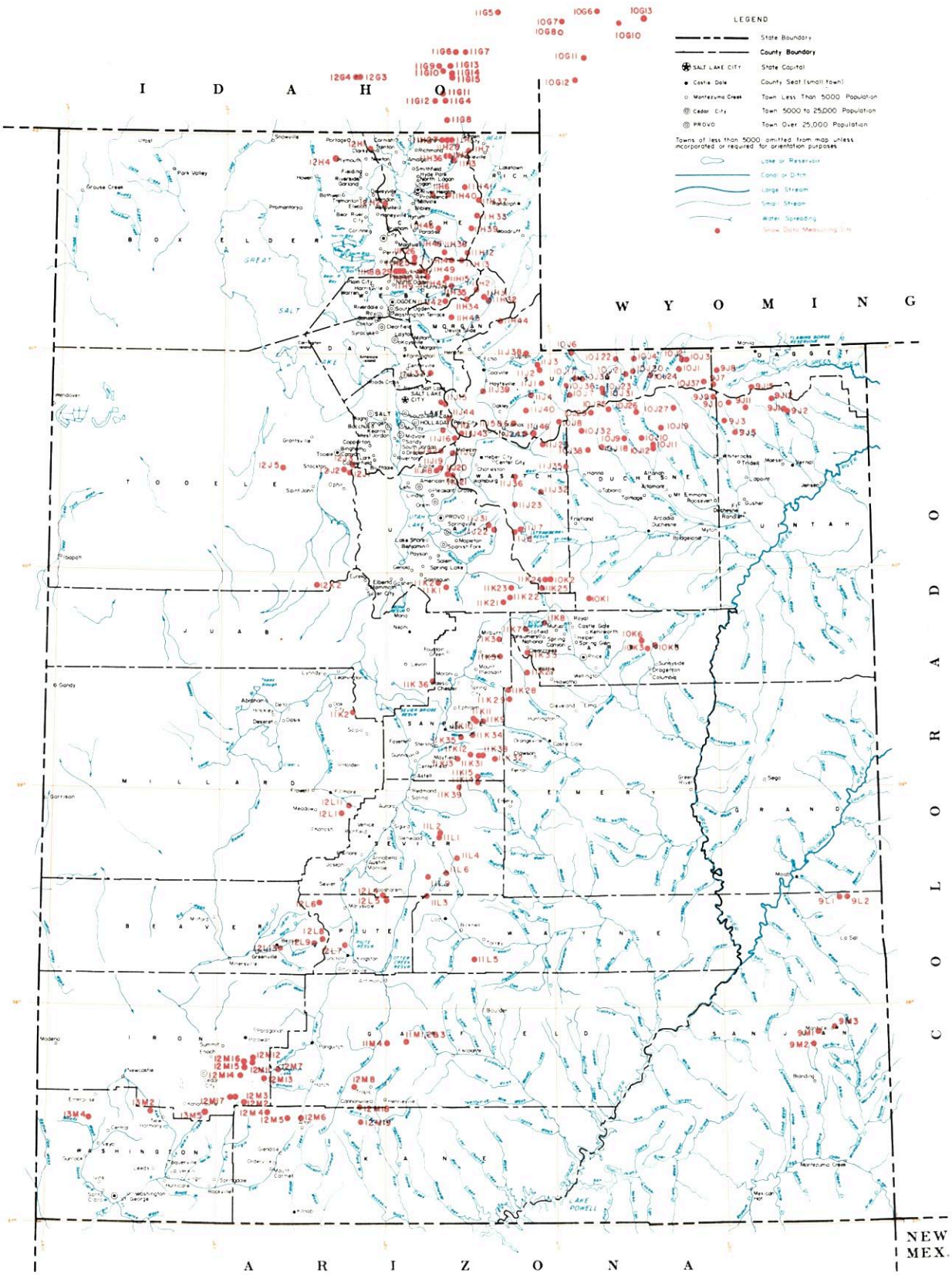

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

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

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H4SP	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10E	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
[illegible]	U	Lake Creek	36	4S	6E	9,100
[illegible]	U	Packard Canyon	21	7S	5E	6,400
[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5a	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Pa[illegible]	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	7	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	3E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (examples)

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

WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

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

AS OF
OCT. 1, 1977

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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USDA-SCS-PORTLAND, OR. 1977, M7-L-22027B

WATER SUPPLY OUTLOOK

SUMMARY
As Of
October 1, 1977

****
Utah's 1977 water supply ranged from "poor" for those water users without adequate storage to "near average" for those with storage. April thru July streamflow, according to provisional measurements by the U.S. Geological Survey, was generally in the range forecast last spring with the exception of Uintah Basin which produced 6 to 60% more flow than forecast last May 1.
****

Reports indicate that many areas of the State reduced planted acreage by 15 to 30%. They applied the water saved from this acreage to give an adequate supply for at least two cuttings of hay and some pasture. Some areas in southern Utah had less than half a normal years water supply, while areas in northern Utah had about an average water supply utilizing reservoir storage.

While Utah normally receives two-thirds of it's annual rainfall during the winter months, this past winter generally produced less than 50 percent of the total. Summer thunderstorms produced locally heavy accumulations with some locations showing two times normal May through September catches.

Reservoir storage, as of October 1, was generally well below average except for Strawberry Reservoir, which as about 7,000 acre feet more than the 15 year average for October 1. Carry over storage is generally less than half average with several reservoirs with no carryover at all. Without above average snow accumulation on all mountain watersheds in Utah this winter, serious shortages may occur next year.

The following table shows a comparison of forecasts made by this office last May 1, compared to provisional flow measured by the U.S. Geological Survey.

Station	Forecast Period	May 1 Forecast (1000 A.F.)	Measured Flow for the Period (1000 A.F.)
BEAR RIVER			
Bear nr Woodruff	May-July	15.4	28.2
Bear nr Randolph	May-July	6.5	2.3
Bear nr Ut-Wyo. State Line	May-July	37	35.4
Logan nr Logan	May-July	27	26.5
Little Bear nr Paradise	May-June	1.5	5.1
Woodruff Ck nr Woodruff	May-July	1.9	2.6
Blacksmith Fk nr Hyrum	May-July	5.0	12.3

USDA SCS-PORTLAND OR 1977

	Forecast Period	May 1 Forecast (1000 A.F.)	Measured Flow for the Period (1000 A.F.)
WEBER-OGDEN RIVERS			
East Cyn. Creek nr Morgan	May-June	2.8	3.6
Lost Creek near Croydon	May-June	1.2	1.5
Pineview Reservoir Inflow	May-June	11.3	10.0
South Fk Odgen nr Huntsville	May-June	5.0	5.9
Weber nr Oakley	May-June	22.0	27.3
PROVO RIVER & UTAH LAKE			
American Fk nr American Fk	May-July	6.5	6.2
JORDAN RIVER AND SALT LAKE			
Big Cottonwood nr Salt Lake	May-July	9.7	15.2
Parley's Creek nr Salt Lake	May-July	1.1	2.7
DUCHESNE RIVER			
Ashley near Vernal	May-July	13.8	12.7
Flaming Gorge Inflow	Apr-July	310	233
Lakefork below Moon Lake	May-July	15.1	28.3
Whiterocks nr Whiterocks	May-July	10.8	22.1
Uinta nr Neola	May-July	15.8	65.7
Yellowstone nr Altonah	May-July	14.3	26.6
Strawberry Res. Inflow	May-July	1.5	1.7
PRICE RIVER			
Scofield Inflow	May-July	4.3	4.2
SAN RAFAEL RIVER			
Ferron Ck nr Ferron	May-July	7.5	15.4
Huntington Ck nr Huntington	May-July	9.2	8.3
Cottonwood nr Orangeville	May-July	8.6	10.4
UPPER COLORADO BASIN			
Colorado nr Cisco, Utah	Apr-July	836	534.6
Green at Green River, Utah	Apr-July	780.0	1060.6
Lake Powell Inflow	Apr-July	1690	1130
SEVIER RIVER			
Clear Creek nr Sevier	May-July	3.1	3.3
Salina Creek at Salina	May-June	0.6	.08
Sevier nr Gunnison	May-July	6.0	9.9
Sevier nr Hatch	May-July	8.5	7.3
Sevier nr Kingston	May-July	1.5	1.5
BEAVER RIVER			
Beaver near Beaver	May-July	4.2	4.1
COAL CREEK			
Coal Creek nr Cedar City	May-July	2.3	16.6
VIRGIN RIVER			
Santa Clara nr Pine Valley	May-June	0.4	0.7
Virgin nr Virgin	May-June	9.1	16.0

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	787.5	1169.1	1040.0
	Woodruff Narrows	26.5	0.0	0.0	26.3
Beaver River	Minersville (RkyFd)	23.3	0.0	2.8	14.0
Little Bear	Hyrum	15.3	3.8	7.7	14.2
	Porcupine	11.3	0.6	2.0	9.8
Ogden	Causey	6.9	1.0	1.1	2.5
	Pineview	110.1	32.9	53.8	67.8
Provo	Deer Creek	149.7	57.0	78.2	103.5
Sevier River	Gunnison	18.2	0.0	0.3	13.7
	Otter Creek	52.5	6.2	16.4	37.5
	Piute	71.8	4.7	3.1	43.8
	Sevier Bridge	236.0	37.7	65.0	114.1
Spanish Fork	Strawberry	270.0	136.6	203.4	129.3
Utah Lake	Utah Lake	883.9	505.6	632.6	667.7
Weber	East Canyon	48.1	15.7	27.7	25.6
	Echo	73.9	21.0	12.6	53.9
	Lost Creek	20.0	8.6	12.9	11.3
	Rockport	60.9	19.2	43.0	30.5
	Willard Bay	193.3	100.5	147.3	161.7
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	3.0	15.6	22.6
Colorado	Blue Mesa	829.5	220.8	605.8	--
	Lake Powell	25002.0	16144.0	19641.0	8370.8
Green	Flaming Gorge	3749.0	2079.1	3474.0	1629.0
Price River	Scofield	65.8	17.7	31.1	34.4
San Juan	Navajo	1696.0	1038.1	1283.6	--
San Rafael	Huntington North	3.9	1.4	0.4	3.3
	Joe's Valley	54.6	35.7	29.2	34.3
	Mill Site	16.7	3.0	0.0	--
Strawberry	Starvation	165.3	103.3	121.8	--
Uintah	Bottle Hollow	11.3	9.7	10.0	--

USDA-SCS-PORTLAND, OREG. 1969

UTAH PRECIPITATION DATA

1977 WATER YEAR

STATION NAME	OCT.-DEC.		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY-SEPT.		TOTAL
BURTS-MILLER	12/27	1.12	1/25	.48	2/25	.97	* *	3.57	4/25	.37	6/01	2.23	6/28	.23	10/04	5.15	14.12
CLARKSTON MTN															9/09		17.00
FRANKLIN BASIN															10/03		27.09
GARDEN CYT SMT	12/27	1.56	1/25	1.73	2/28	1.37	3/30	2.54	4/25	.49	* *	3.80	6/30	.24	* *	4.73	16.26
GOLD HILL															9/28		24.78
HAYDEN FORK	12/27	2.25	1/25	1.27			4/04	7.97	4/25	.89	6/01	4.22	6/28	.90	9/30	5.98	23.48
HERD HOLLOW															9/09		15.60
LILY LAKE															10/04		19.76
LITTLE BEAR UP															8/23		19.70
MONTE CRISTO	12/27	1.47	1/25	1.62	2/28	2.11	3/30	2.64	4/25	.56	5/31	5.56	6/30	1.04	10/03	7.66	22.66
SALT RIVER SMT	12/28	2.34	1/26	1.60	2/25	2.37	3/31	5.52	4/25	.61	5/31	6.53			9/30	6.41	25.38
STILLWATER CMP	12/30	.94	1/27	2.50	2/25	.50	3/31	3.00	4/26	.87	5/31	3.38	6/30	.87	10/03	5.88	17.94
TONY GROVE LK	12/27	1.55	1/25	.62	2/25	1.67	4/04	4.20	4/25	.72	6/01	2.44	6/27	.30	9/30	5.05	16.65
TONY GROVE RS															10/03		34.20
WILLOW FLAT	12/27	1.00	1/25	1.47	2/28	1.58	3/30	1.91	4/25	.37	5/31	4.59	6/30	.63	10/03	6.15	17.70
	12/27	1.63	1/25	2.16	2/22	1.88	3/30	3.72	4/25	1.18	5/27	6.46	6/30	1.35	9/28	6.96	25.54
WEBER-OGDEN RIVER BASINS																	
BEN LOMOND LOW	12/28	.70	1/26	1.65	2/25	1.64	3/31	2.61	4/25	.69	* *	9.04			9/29	8.75	25.08
CAUSEY DAM	12/28	1.21	1/26	.56	2/25	.90	3/31	1.71	4/25	.29	5/31	5.04			9/30	4.75	14.26
CHALK CREEK 1															9/26		25.67
CHALK CREEK 2															9/26		19.69
CHALK CREEK 3	12/27	1.25	1/25	.50	2/25	1.65	4/04	4.40	4/25	.67	6/01	3.43	6/28	.55	*		
DRY BREAD POND	12/28	1.53	1/26	1.22	2/25	1.95	3/31	4.02	* *	.53	5/31	6.17			9/30	6.21	21.43
FARMINGTON GS	12/28	2.49	1/26	2.90	2/25	3.84	3/31	5.99	4/25	1.04	5/28	9.80	6/28	.11	9/29	10.32	36.49
FARMINGTON LOW	12/28	2.50	1/26	2.66	2/25	3.71	3/31	5.71	4/25	.83	5/28	10.51	6/28	.00	9/29	9.48	35.40
FRANCIS CANYON															10/06		13.42
GUILDERS PEAK															10/06		19.47
HORSE RIDGE	12/28	1.54	1/26	.56	2/25	3.44	3/31	4.91	4/25	.57	5/31	5.92			10/06	6.02	23.06
LOST CREEK	*		1/26	.24	2/25	1.17	3/31	1.63	4/25	.21	* *	5.49					
PARLEY CYN SMT	12/27	.90	1/27	1.70	2/25	3.92	3/31	6.00	4/29	.78	5/31	5.13			9/27	7.78	26.81
PINE CANYON															8/24		19.27
PORCUPINE															9/26		21.30
REDDEN MINE UP	12/28	1.77	1/26	1.75	2/28	2.95	4/05	6.21	4/25	.47	6/01	4.78	*		9/28	8.10	
SAGEBRUSH FLAT	12/28	1.57	1/26	.50	2/25	1.14	3/31	1.89	4/25	.28	5/31	4.46			9/30	4.77	14.41
SERGEANT LAKES															9/28		23.65
SHINGLE MILL FLT															9/27		27.28
SM MOREHOUSE	12/27	1.70	1/25	1.15	2/25	2.05	4/01	5.16	4/25	.00	6/01	3.56	7/01	.33	9/27	6.52	20.47
UTAH LAKE-JORDAN RIVER BASIN																	
BEAVER DIVIDE															9/30		17.17

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE(EXCEPT AS NOTED *)
*: GAGE NOT ESTED, DATA FOR THIS PERIOD LOST * *:Estimated

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

1977 WATER YEAR

STATION NAME	OCT.-DEC.		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY-SEPT.		TOTAL
CLEAR CR RDG 2	12/27	1.25			2/28	3.12	4/04	2.90	4/26	.20	6/01	2.90	7/01	1.96	10/04	4.70	17.03
DANIEL-STR SMT	12/27	1.09	1/25	2.16	2/25	1.75	3/30	3.10	4/25	.60	5/31	3.35	6/27	.77	9/29	6.13	18.95
DUTCHMAN RS	12/27	1.35	1/25	2.35	2/25	2.30	3/31	3.40	4/25	.79	* *	7.20	* *	.25	* *	7.00	24.84
EAST PORTAL	12/30	1.11	1/31	1.61	2/28	1.66	3/30	2.81	5/02	.26	5/31	3.42	6/30	.56	10/01	5.12	16.55
HOBBLE CK SMT	12/27	1.08	1/25	2.24	2/25	1.55	3/30	2.45	* *	.60	5/31	4.15	7/05	1.15	* *	4.50	17.72
LAKE CREEK													6/27	17.24	9/28	7.56	24.80
LAMBS CANYON	* *	.64	1/27	1.25	2/25	2.83	3/31	4.26	* *	.69	5/31	5.90			9/27	5.97	21.54
MIDDLE CANYON	12/29	2.60	1/26	2.00	2/28	2.00	3/28	6.75	4/30	.45	5/26	6.70	7/01	1.44	9/27	8.10	30.24
PAYSON RS	12/29	2.35	1/27	1.85			4/04	6.15	4/26	.10	6/01	3.35	7/05	.75	10/04	4.00	18.55
ROCKY BASIN-SC							4/04	12.76	4/27	1.07	5/27	9.80			9/27	6.10	29.73
SILVER LK BRTN	12/27	1.50	1/29	2.06	2/28	5.10	3/30	5.64	4/30	.76	5/31	6.85	7/01	.00	10/01	8.11	30.02
SOAPSTONE RS	12/28	1.10	1/26	1.10	2/28	2.51	4/05	3.18	4/25	.52	6/01	3.48			9/30	7.05	18.94
TIMPANOGOS DVD	12/27	1.85	1/25	2.20	3/01	1.50	3/31	2.35	4/25	.60	5/31	7.55	7/01	.20	10/01	7.10	23.35
TRIAL LAKE	12/28	1.72	1/26	2.24	2/28	2.66	4/05	4.00	4/25	.62	6/01	5.35	* *	1.93	9/30	8.18	26.70
VERNON CREEK	12/29	2.13	1/29	1.95	2/28	.75	3/27	2.50	4/30	.50	5/26	5.60	7/01	.83	9/28	4.90	19.16

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															10/04		27.78
ATWOOD LAKE															10/04		24.15
BLACKS FK JCT	12/27	1.48	1/25	.72	2/25	1.36	4/04	4.28	4/25	.65	6/01	2.29	7/01	.55	9/29	6.31	17.64
BROWN DUCK RDG	*		1/26	1.64	2/28	1.99	4/05	2.47	4/25	.67	6/01	6.10	6/29	1.19	10/04	7.58	
BUCK PASTURE											6/01	16.28	7/01	.59	10/04	7.93	24.80
BURNT CREEK	12/29	1.07	1/26	.73	2/23	.30	3/28	1.80	4/26	2.45	5/31	2.27	6/30	.74	9/28	6.05	15.41
CHEPETA WTRCK															10/04		25.32
CURRANT CREEK	12/27	.55	1/25	1.35	2/22	1.45	3/30	2.60	4/25	.35	5/31	2.90	6/27	1.20	9/29	4.80	15.20
E FK BLACKS FK	12/27	1.64	1/25	.64	2/25	1.56	4/04	4.18	4/25	.98	6/01	2.22	7/01	.60	9/29	5.70	17.92
FIVE POINT LK															9/15		26.30
GRIZZLY RIDGE	12/29	1.50	1/28	1.05	2/23	.45	3/28	2.47	4/26	2.28	5/31	3.73	6/30	.45	9/28	7.01	18.94
HICKERSON PARK	12/27	3.86	1/25	.50	2/25	.50	4/04	3.29	4/25	1.20	6/01	2.16	6/30	.76	9/28	6.99	19.26
HEWINTA GS	12/27	1.72	1/25	.69	2/25	1.51	4/04	4.38	4/25	1.33	6/01	2.13	6/29	.50	9/28	5.22	17.48
HIGHLINE TRAIL	12/27	1.35	1/25	.80	2/25	.46	4/04	2.83	4/25	1.92	6/01	4.90	6/30	.59	10/03	6.61	19.96
INDIAN CANYON	* *	1.28	1/25	1.40	* *	1.45	4/01	.80	4/25	.50	5/31	4.60	7/01	.70	10/03	5.50	16.23
JACKSON PARK	12/28	2.54	1/26	1.16	2/28	1.10	4/05	2.80	4/25	.69	6/01	5.46	7/01	.87	10/04	11.22	25.84
KIDNEY LAKES															10/04		29.61
KINGS CAMP UP	12/27	3.66	1/25	.91	2/25	.27	4/04	2.32	4/25	1.40	6/01	3.23	6/30	.49	9/28	8.91	21.19
LAKEFORK BASIN															9/14		30.02
LAKEFORK MTN	12/28	3.19	1/26	1.03	2/28	1.12	4/05	2.43	4/25	.87	6/01	4.65	7/01	.65	10/04	9.38	23.32
LIGHTNING LAKE															9/13		29.59
MCCOY PARK															10/04		19.62
MOSBY MOUNTAIN	*		1/26	1.12	2/28	.62	4/05	1.52	4/25	.68	6/01	5.29	7/01	.38	9/29	8.14	

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*: GAGE MOLESTED, DATA FOR THIS PERIOD LOST * *: Estimated

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

1977 WATER YEAR

STATION NAME	OCT.-DEC.		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY-SEPT.		TOTAL
PARADISE PARK	12/20	2.01	1/26	1.18	2/28	.68	4/05	2.52	4/25	.55	6/01	6.38	7/01	.58	9/29	10.49	24.30
REYNOLDS PARK															10/04		26.85
ROCK CREEK	12/20	1.08	1/26	.65	2/28	1.19	4/05	1.45	4/25	.31	6/01	3.44	6/29	1.42	10/04	6.36	16.90
SHADOW LAKE															9/12		27.24
SPIRIT LAKE	12/27	3.49	1/25	.84	2/25	.92	4/04	4.49	4/25	1.42	6/01	5.94	6/30	1.14	9/28	9.21	27.45
STEEL CREEK PK															10/04		21.33
TROUT CREEK	*		1/25	.83	2/25	.55	4/04	2.97	4/25	1.40	6/01	3.40	6/30	.70	10/03	8.98	
WINDY PARK															* *		27.10
W FK DUCHESNE													6/27	15.12	9/28	5.80	20.92

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 B A S I N S

BLACKS FLAT-UM	1/05	2.79	1/25	.26	2/28	2.59	3/29	2.25	4/25	.10	6/02	1.45	6/29	.90	9/26	3.60	13.94
BUCKBOARD FLAT	12/29	.85	1/26	1.40	2/24	.85	3/30	2.01	4/27	.58	5/26	1.71			9/30	11.55	18.75
BUCK FLAT	12/28	1.50	1/26	2.20	3/03	2.60	4/01	2.55	4/25	.50	5/31	3.30			9/21	5.65	18.60
CAMP JACKSON	12/29	.50	1/26	2.65	2/24	.29	3/30	1.30	4/27	.52	5/26	2.01			9/30	8.58	15.85
DILLS CAMP	12/28	1.52	1/26	1.38	3/03	2.70	4/01	1.70	4/25	.15	5/31	2.70			9/21	5.56	16.01
FISH LAKE	1/05	2.35	1/25	.28	2/28	1.57	3/29	2.15	4/25	.05	6/02	1.20	6/29	.75	9/26	5.05	13.40
GOOSEBERRY RES	12/29	2.37	1/27	1.83	3/03	1.90	4/04	3.15	4/26	.05	6/01	4.60			9/22	6.27	20.17
LASAL MTN UP	12/29	1.50	1/27	2.10	2/25	1.11	3/29	3.10	4/27	1.51	5/27	1.53			9/27	6.75	17.60
MOC CREEK	12/27	1.28	1/26	1.02	2/28	1.85	4/01	2.05	4/25	.20	5/31	3.15	6/29	.80	9/26	4.80	15.15
ORANGE OLSEN	* *	1.06	1/26	.35	2/23	1.25	4/01	.75	4/25	.00	5/31	2.25			9/28	5.40	11.66
RED PINE RIDGE	12/28	2.13	1/26	2.02	2/23	3.00	4/01	4.30	4/25	.25	5/31	4.35			9/22	5.60	21.65
STUART RS OLD	12/28	1.14	1/26	.06	2/28	1.55	4/01	1.30	4/25	.00	5/31	3.40			9/28	4.85	13.10
WHITE RIVER 1	12/27	1.15	1/25	1.50	2/28	1.60	4/01	2.10	4/25	.30	5/31	3.05	6/29	.35	9/26	5.80	15.65

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	* *	1.68	1/26	.85	* *	1.72	* *	3.58	4/25	.00	5/31	2.40			9/21	3.83	14.06
BIG FLAT	12/30	2.55	1/25	2.51	2/28	.68	3/29	2.90	4/25	.15	6/02	3.90	6/24	.40	9/20	5.54	18.94
BOX CREEK	1/05	3.18	1/25	.70	2/28	2.25	3/29	3.70	4/29	.30	6/02	1.70	6/30	1.70	9/21	3.88	17.41
CASTLE VALLEY	12/27	2.08	1/24	1.54	2/24	1.13	3/29	3.60	4/25	.25	6/02	3.70	6/23	.65	9/29	5.50	18.87
DUCK CREEK RS	12/27	2.05	1/24	2.15	2/24	.50	3/28	1.90	4/25	.00	6/02	4.40	6/27	1.20	9/27	6.00	18.60
FARNSWORTH LK	1/05	4.45	1/25	1.20	2/28	3.25	3/29	5.55	4/25	.80	6/02	2.30	6/30	.53	9/26	6.25	24.33
GBRC HEADQTRS	12/28	2.05	1/27	2.50	2/28	1.80	4/04	4.50	4/26	.60	6/01	3.65	7/01	.30	10/01	5.67	20.67
GBRC HEADQTRS	12/28	1.20	1/31	1.15	2/28	.61	3/31	1.57	4/29	.32	6/01	1.85	7/01	.30	10/01	4.03	11.03
GBRC HEADQTRS	12/28	2.93	1/27	2.52	2/28	2.68	4/04	5.20	4/26	.00	6/01	4.15	7/01	.52	10/01	7.05	24.98
GBRC DAMS	12/28	1.60	1/31	1.55	2/28	.93	3/31	2.12	4/29	.51	6/01	2.44	7/01	.32	10/01	4.13	13.40
GOOSEBERRY RS	1/06	3.05	1/25	.52	2/28	2.23	3/29	3.85	4/25	.50	6/02	1.60	6/30	.40	9/26	4.97	17.52
HI-TOP MTN													6/29	15.40	9/26	6.06	21.46

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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

1977 WATER YEAR

STATION NAME	OCT.-DEC.		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY-SEPT.		TOTAL
KIMBERLY MINE	1/05	3.99	1/25	.57	2/28	1.68	3/29	4.80	4/25	.70	6/02	3.05			9/29	4.75	19.54
MAMMOTH RS	12/29	2.08	1/27	1.82	3/03	3.25	4/04	3.00	4/26	.10	6/01	4.10			9/22	5.90	20.25
MERCHANT VALLY	12/30	2.59	1/25	2.12	2/28	.98	3/29	3.95	4/25	.00	6/02	3.25	6/24	.73	9/29	5.32	18.94
MIDWAY VALLEY	12/27	2.45	1/24	2.30	2/24	.70	3/28	3.25	4/25	.35	6/02	5.90	6/27	1.20	9/29	7.00	23.15
MT BALDY RS	12/28	2.55	*		* *	1.30	* *	4.45	4/25	.00	5/31	3.40			9/21	5.03	
OAK CREEK			1/28	4.00	2/25	.96	3/31	3.63	5/02	.88	5/31	3.11			10/04	11.53	24.11
PANGUITCH LAKE	12/27	2.30	* *	1.30	2/24	.72	3/28	1.65	4/25	.00	6/02	2.20	6/27	.60	9/28	5.40	14.17
PICKLE KEG SPG															9/29		19.09
PINE CREEK	1/05	6.70	1/25	1.63	2/28	2.47	3/29	6.40	4/25	1.00	6/02	3.70			10/03	6.10	28.00
REES FLAT	12/29	2.42	1/27	1.53	* *	1.46	* *	3.42	4/26	.00	6/01	3.40			9/28	4.30	16.53
SHINGLE MILL			1/28	4.31	2/25	1.44	3/31	3.80	5/02	1.01	5/31	2.57			* *	5.55	18.68
WIDTSOE RS	*		1/31	.27	2/23	.12	3/28	.39	4/25	.16	5/27	.77					
WIDTSOE-ESCL 3	12/28	2.42	1/31	.82	2/23	.62	3/28	2.52	4/25	.50	5/27	3.40	6/23	.56	9/28	.39	11.23

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

KOLOB CRYSTAL															9/20		22.50
LITTLE GRASSY	*		1/24	1.65	2/24	.90	3/28	.25	4/25	.00	6/02	5.10	6/28	.20	*		
LONG FLAT	12/27	2.20	1/24	.95	2/24	.30	3/28	2.30	4/25	.00	6/02	4.60			9/29	7.40	17.75
TALL POLES	12/28	3.20	1/31	1.80	2/23	.50	3/30	4.65	4/25	.75	6/02	2.80	6/27	1.30	9/30	6.20	21.20
WEBSTER FLAT	12/27	3.35	1/24	2.73	2/24	.77	3/28	4.05	4/25	.70	6/02	6.10	*		9/29	7.25	
YANKEE RES	12/27	2.50	1/24	.77	2/24	1.23	3/28	3.70	4/28	.75	6/02	2.00	* *	.61	9/27	4.40	15.96

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE(EXCEPT AS NOTED *)
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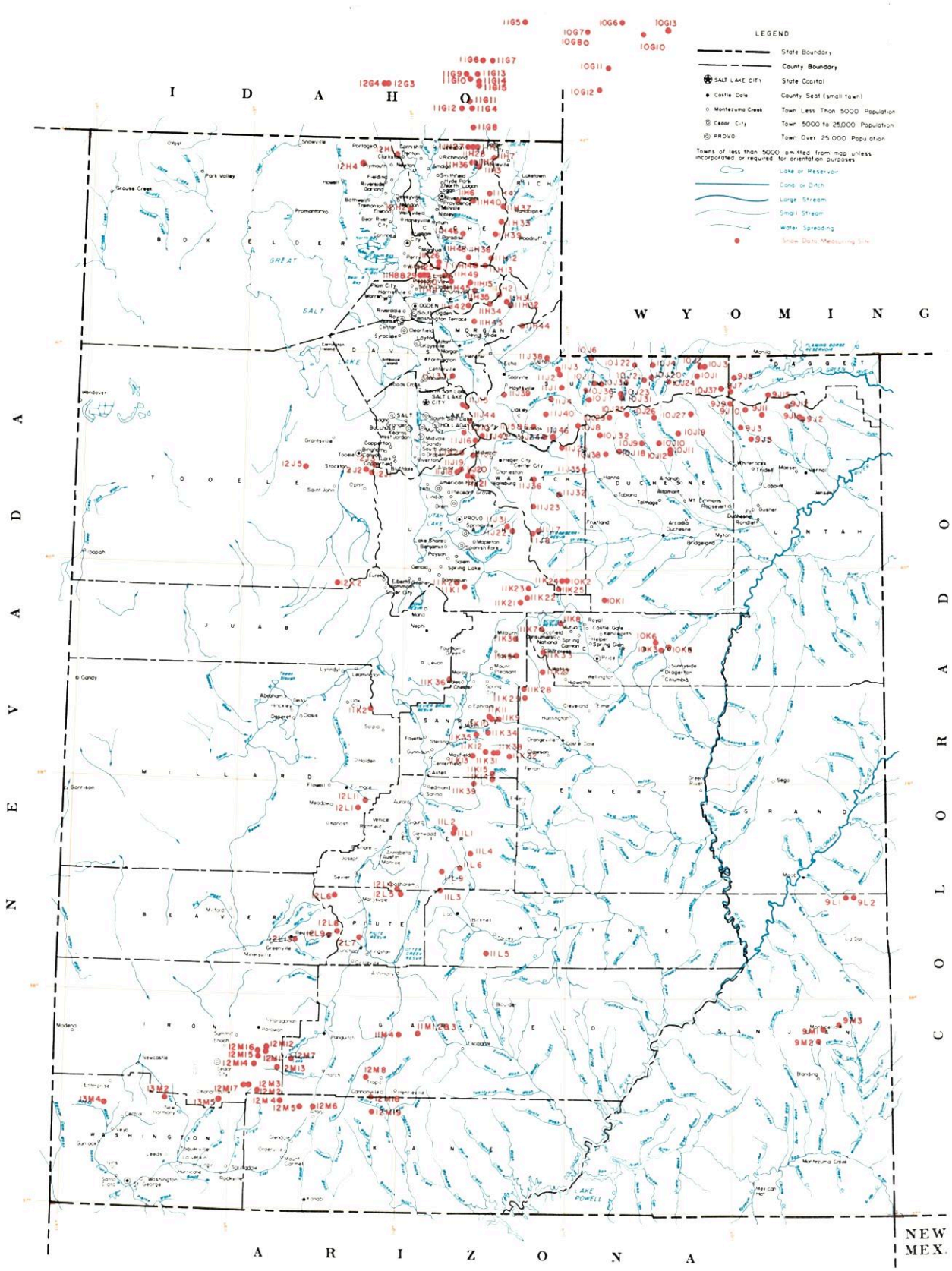

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

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

SCALE 1:1,000,000

ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TAP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H4SP	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigora Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
[illegible]	U	Packard Canyon	21	7S	5E	6,400
[illegible]	U	Payson R.S.	30	10S	3E	8,050
[illegible]	U	Rock Bridge	14	10S	2E	6,750
[illegible]	U	Soapstone R.S.	9	3S	8E	7,800
[illegible]	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TAP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Cr[illegible]	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	3E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (examples)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7M-P	Snow Course, Soil Moisture Station and Precipitation G[illegible]
10J7a	Aerial Marker Only
10J7g	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site