WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,

and

STATE ENGINEER of UTAH

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

AS OF

JAN. 1, 1964

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

UTAH

JANUARY 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

USDA-SCS-PORTLAND, OREG. 1963

Issued by

as of

JANUARY 3, 1964

* Although the present snowpack in Utah's mountains is between about two and three times that of last year, it is only 48% of the usual amount. Moisture in the soils underneath the snow is near or above average. Assuming average snow and rainfall for the rest of the winter and spring, most streams can be expected to yield from about 65% to 85% of average amounts next summer. Reservoir storage is generally good in northern areas, poor in the south.

While the present snowpack for the state as a whole is 48%, it varies from about 25% for the Strawberry reservoir valley, the upper Virgin and Sevier Rivers, to near 70% on Mt. Nebo and in the mountains near Tooele.

Since in the average year there is still 60% to 65% of the snowpack yet to come, by April 1st the snowpack percentages will be much higher than now, assuming average snowfall occurs during the next three months. To illustrate, the present snowpack near Salt Lake is 44% of average, but will be 78% on April 1st if snowfall is normal during January, February and March.

Forecasts of streamflow are made by combining present snowpack and soil moisture conditions and assuming average weather conditions for the balance of the season. On this basis, forecasts of next summer's streamflow vary from a low of 53% for the inflow to the Sevier River between Kingston and Vermillion Dam, to a high of 92% for the American Fork River.

In central and northern Utah the higher elevation streams are expected to yield between about 70% to 85%. Examples of these are the Logan, Bear, Weber, Provo, northern Uintah Basin streams, San Pitch, Price and San Rafael Rivers. Lower elevation watersheds such as East Canyon Creek near Morgan, Parley's Creek near Salt Lake, Strawberry River at Duchesne and Hobble Creek near Springville are forecast to produce from about 55% to 70% of the 15 year average (1943-57).

In southern Utah the upper Sevier and Virgin Rivers, and the smaller streams near them should yield near 65% to 70%. Clear Creek near Sevier is forecast

At present there is no prospect that flow in the Sevier River between Kingston and Vermillion Dam will get high enough to allow water for storage. Below Vermillion Dam, there is a possibility of flow getting high enough to give about 1,000 acre feet for secondary rights.

According to values reported by the U. S. Geological Survey, the over-all water supply picture is modified by storage in the state's reservoirs. On the Sevier River, reservoir supplies fail to help the outlook, since total storage in Sevier Bridge, Piute and Otter Creek is only 28% of average.

Storage in Utah Lake and Strawberry Reservoir is also down - 41% and 40% of average respectively. Total storage in the remaining reservoirs of Northern Utah is essentially average.

Since there is nearly two thirds of the snowpack still to come, the water outlook can change considerably - either up or down - as the season progresses.

BASIN OR STREAM	RESERVOIR	CAPACITY	STORAGE		
			THIS YEAR	LAST YEAR	AVERAGE[a]
GREAT BASIN					
Bear River	Bear Lake	1421.0	700.0	717.3	806.4
	Woodruff Narrows	26.5	13.0	11.0	- -
Little Bear	Hyrum	15.3	12.2	6.9	9.8
	Porcupine	11.3	- -	- -	- -
Ogden	Pineview	110.0	56.1	53.0	7.2
Weber	Rockport	59.1	26.1	32.3	- -
	Echo	73.9	30.5	24.3	26.3
	East Canyon	28.7	17.9	16.3	14.1
Provo	Deer Creek	149.7	100.9	117.8	84.8
Spanish Fork	Strawberry	270.0	51.1	47.3	128.6
Utah Lake	Utah Lake (b)	1149.0	214.4	205.7	516.7
Sevier River	Otter Creek	52.5	10.6	14.6	21.6
	Piute	74.0	11.2	18.2	29.6
	Sevier Bridge	236.0	29.4	38.2	120.1
Beaver River	Rocky Ford	23.3	4.5	5.7	11.9
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	6.9	- -	- -
Lake Fork	Moon Lake	35.8	17.4	13.0	10.6
Price River	Scofield	65.8	9.6	16.7	13.7
Green	Flaming Gorge	3789.0*	924.4	52.4	- -
San Juan	Navajo	1709.0*	343.2	69.6	- -
Colorado	Lake Powell	27000.0*	2,968.0	- -	- -

All data contained in this table supplied by the U.S.Geological Survey.

* - Total capacity reported

USDA-SCS-PORTLAND, OREG. 1982

RIVER BASIN or TRIBUTARY WATERSHED	No. of Courses Average	% OF AVERAGE	
		LAST YEAR	AVERAGE *
GREAT BASIN			
Smith's Fork - Bear River (Wyo.)	2	260	84
Logan River	3	255	62
Ogden River	2	380	65
Weber River above Echo Dam	6	178	42
East Canyon Creek	3	186	46
Farmington Creek	2	146	42
Salt Lake Area	4	170	44
Tooele Area	1	260	74
American Fork River	3	825	57
Provo River above Vivian Park	7	338	41
Strawberry Reservoir Valley	3	283	26
Payson Creek	2	186	72
Sevier River above Hatch	3	187	24
East Fork Sevier River	3	108	50
Clear Creek above Sevier	1	174	49
Salina Creek	2	117	64
San Pitch River	4	350	63
Coal Creek-Cedar City	3	237	44
COLORADO RIVER BASIN			
Duchesne-Strawberry Rivers	6	240	30
Whiterocks - Uintah Rivers	3	233	30
Price River	6	361	35
San Rafael River	2	340	60
Escalante River	3	108	50
Virgin River	4	197	26

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE [a]
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
CCC Camp x	10G7	7500	12/30	20	4.0	1.6	4.9
Salt River Summit x	10G8	7900	12/30	24	5.4	2.0	6.2*
Trial Lake x	10J8	9800	12/30	24	5.3	2.7	11.0*
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit	11H7	7600	12/30	22	5.2	2.5	7.5*
Klondike Narrows	11H1	7400	12/30	21	4.2	1.4	7.2*
Tony Grove R.S.	11H3	6250	12/30	14	2.7	0.2	4.8*
OGDEN RIVER							
Ben Lomond Peak	11H8	8000	12/27	29	7.8	2.3	13.5*
Ben Lomond(lower)	11H9	5850	12/27	19	4.2	0.1	5.8*
Ben Lomond Trail	11H30	6000	12/27	21	4.5	0.1	- -
Cutler Creek	11H29	6780	12/27	25	6.0	1.5	- -
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	12/30	6	1.1	T	4.1*
Lamb's Canyon x	11J14	6600	1/2	17	3.0	1.6	6.0*
Parley's Canyon Smt.	11J15	7500	12/28	16	3.2	2.1	7.3*
Silver Lake x	11J16	8725	1/1	21	5.0	2.3	11.5
Smith & Morehouse	11J4	7600	12/27	11	1.9	1.4	4.9*
Trial Lake x	10J8	9800	12/30	24	5.3	2.7	11.0*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	12/30	16	3.3	0.2	7.3
Daniels-Strawberry Smt.	11J23	8000	12/30	8	1.7	0.6	5.3
East Portal	11J7	7560	12/30	6	0.6	0.0	4.6*
Payson R.S.	11K1	8050	12/27	18	3.6	2.8	6.0*
Rock Bridge	11K2	6750	12/27	17	3.4	1.4	4.1*
Soapstone R.S.	11J25	7800	12/30	9	1.6	0.5	5.3*
South Fork R.S.	11J19	6100	12/30	12	2.6	0.0	4.1*
Strawberry Divide	11J8	8000	12/30	16	3.0	T	8.7*
Timpanogos Cave Camp	11J18	5500	12/30	6	1.1	0.0	2.2*
Timpanogos Divide	11J21	8140	12/30	24	6.6	0.8	11.4
Trial Lake	10J8	9800	12/30	24	5.3	2.7	11.0*

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE $^{\alpha}$
JORDAN RIVER & GREAT SALT LAKE							
Farmington Canyon(1)	11J12	6950	12/30	22	3.8	2.8	8.9*
Farmington Canyon(u)	11J11	8000	12/30	21	4.4	2.8	10.4*
Lamb's Canyon	11J14	6600	1/2	17	3.0	1.6	6.0*
Middle Canyon	12J3	7000	12/27	18	3.9	1.5	5.3*
Mill D South Fork	11J10	7400	1/1	17	3.1	2.5	7.6*
Parley's Canyon Smt. x	11J15	7500	12/28	16	3.2	2.1	7.3*
Silver Lake	11J16	8725	1/1	21	5.0	2.3	11.5
UPPER SEVIER RIVER (South of Richfield, Utah)							
Bryce Canyon	12M8	8000	12/31	Trace	Trace	0.5	1.9*
Duck Creek R.S.	12M4	8560	12/30	5	1.4	0.4	5.0*
Harris Flat	12M5	7700	12/30	Trace	Trace	0.2	2.5*
Kimberly Mine	12L6	8900	12/30	18	3.3	1.9	6.7*
Long Valley Jct. x	12M6	7500	12/30	0	0.0	0.3	1.0*
Midway Valley	12M2	9800	12/28	18	4.2	2.0	9.7*
Widtsoe-Escalante Smt.	11M1	9500	12/31	6	1.1	1.4	3.2*
Widtsoe-Escalante #2	11M2	9500	12/31	8	2.2	1.5	4.0*
Widtsoe-Escalante #3	11M3	9500	12/31	11	2.4	2.4	- -
LOWER SEVIER RIVER (Including San Pitch River)							
Beaver Dams	11K13	8000	12/26	16	2.8	1.9	3.9*
Farnsworth Lake	11L1	9900	12/30	19	4.2	3.5	7.4*
G.B.R.C. Headquarters	11K11	8700	12/31	19	4.2	1.6	5.8*
G.B.R.C. Meadows	11K10	10000	12/31	24	5.7	2.6	10.0*
Gooseberry R.S.	11L2	8400	12/30	16	3.2	2.8	4.6*
Gooseberry Reservoir x	11K4	8700	12/27	17	4.6	1.0	7.3*
Mammoth R.S.-Ctnwd.Crk.	11K3	8800	12/27	20	4.6	0.5	7.7*
Mt. Baldy R.S.	11K12	9500	12/26	23	4.8	1.9	9.3*
Shingle Mill	12L11	6200	12/30	16	2.9	- -	- -
COAL CREEK							
Midway Valley x	12M2	9800	12/28	18	4.2	2.0	9.7*
Urie Flat	12M10	8450	12/28	5	1.1	0.4	1.8*
Webster Flat x	12M3	9200	12/28	12	2.5	1.1	7.6*

USDA SCS PORTLAND ORE. 1962

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^{a}
COLORADO RIVER DRAINAGE							
DUCHESNE RIVER							
Daniels-Strawberry Smt.x	11J23	8000	12/30	8	1.7	0.6	5.3
East Portal x	11J7	7560	12/30	6	0.6	0.0	4.6*
Indian Canyon	10K1	9100	12/30	8	1.3	0.8	5.2*
Julius Park	9J6	9800	12/30	14	2.5	1.0	- -
Mosby Mountain	9J5	9500	12/30	8	1.2	0.8	5.0*
Paradise Park	9J3	10100	12/30	11	2.1	0.7	5.7*
Soapstone R.S. x	11J25	7800	12/30	9	1.6	0.5	5.3*
Strawberry Divide x	11J8	8000	12/30	16	3.0	T	8.7*
Trial Lake x	10J8	9800	12/30	24	5.3	2.7	11.0*
PRICE RIVER							
Dry Valley Divide	11K8	7800	12/30	8	1.1	0.2	4.7*
Gooseberry Reservoir	11K4	8700	12/27	17	4.6	1.0	7.3*
Indian Canyon x	10K1	9100	12/30	8	1.3	0.8	5.2*
Jones Ranch	11K7	7600	12/30	Trace	Trace	0.2	2.6*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	12/27	20	4.6	0.5	7.7*
Mud Creek	11K33	8300	12/30	10	1.9	1.1	5.0*
SAN RAFAEL RIVER							
G.B.R.C. Meadows x	11K10	10000	12/31	24	5.7	2.6	10.0*
Gooseberry Reservoir x	11K4	8700	12/27	17	4.6	1.0	7.3*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	12/27	20	4.6	0.5	7.7*
Mt. Baldy R.S. x	11K12	9500	12/26	23	4.8	1.9	9.3*
FREMONT RIVER							
Farnsworth Lake x	11L1	9900	12/30	19	4.2	3.5	7.4*
MUDDY RIVER							
Mt. Baldy R.S. x	11K12	9500	12/26	23	4.8	1.9	9.3*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	12/31	6	1.1	1.4	3.2*
Widtsoe-Escalante #2	11M2	9500	12/31	8	2.2	1.5	4.0*
Widtsoe-Escalante #3	11M3	9500	12/31	11	2.4	2.4	- -
VIRGIN RIVER							
Duck Creek R.S.	12M4	8560	12/30	5	1.4	0.4	5.0*
Harris Flat x	12M5	7700	12/30	Trace	Trace	0.2	2.5*

USDA SCS PORTLAND ORE. 1962

				a		a	

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)							
Salt River Summit	7900	12/30	1.90	- -	6.90	9.30	74
Trial Lake*	9800	12/30	- -	- -	4.75	11.40	42
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit	7600	12/30	2.52	- -	6.82	9.10	75
Klondike Narrows	7400	12/30	- -	- -	7.85	11.35	69
Tony Grove R.S.(SCS)	6250	12/30	1.56	- -	5.07	- -	--
Willow Flat	6100	- -	- -	5.48	- -	12.40	--
OGDEN RIVER							
Ben Lomond(lower)	5850	12/27	1.65	6.10	9.39	13.05	72
Ben Lomond Trail	6000	12/27	1.62	- -	9.86	- -	--
Causey Dam	5500	- -	- -	- -	- -	- -	--
WEBER RIVER							
Farmington Guard Sta.(1)	7500	12/30	2.24	5.95a	8.20	15.14a	54
Farmington Rice (1)	7000	12/30	2.39	5.40a	7.99	13.52a	59
Mt. Dell Dam(2)*	5500	12/31	0.85	2.56a	4.34	7.00a	62
Parley's Canyon Smt.	7500	12/28	- -	- -	5.79	10.54	55
Silver Lake(Brighton)*(2)	8725	12/31	1.41	5.87a	7.47	13.97a	53
Smith & Morehouse	7600	12/27	- -	- -	5.75	9.00	64
Trial Lake*	9800	12/30	- -	- -	4.75	11.40	42
PROVO RIVER & UTAH LAKE							
Daniels-Strawberry Smt.	8000	12/30	0.71	4.00	4.43	9.05	49
East Portal Ridge	7800	12/30	0.80	- -	4.29	- -	--
Payson R.S.	8050	12/27	- -	- -	4.94	9.10	54
Soapstone R.S.	7800	12/30	2.50	3.75	6.34	8.70	73
Strawberry Res.-E.Portal	7606	12/30	0.42	1.95	3.79	5.35	71
Timpanogos Divide	8200	12/30	2.00	5.60a	10.54	13.05a	81
Trial Lake	9800	12/30	- -	- -	4.75	11.40	42
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	12/27	- -	- -	7.06	9.44	75
Mt. Dell Dam(2)	5500	12/31	0.85	2.56a	4.34	7.00a	62
Parley's Canyon Smt.	7500	12/28	- -	- -	5.79	10.54	55
Silver Lake(Brighton)(2)	8725	12/31	1.41	5.87a	7.47	13.97a	53

(1) Data supplied by U.SForest Service (2) Data supplied by USWB

USDA-SCS-PORTLAND, ORE. 1962

		READING	PRECIPITATION	AVERAGE		AVERAGE	AVERAGE
				a		a	
SEVIER RIVER ABOVE RICHFIELD							
Duck Creek R.S.	8560	12/30	0.73	3.33	4.23	6.35	67
Kimberly Mine	8900	12/30	1.80	- -	5.20	- -	--
Webster Flat*	9200	12/28	0.72	4.10	5.29	6.70	79
Widtsoe-Escalante #3	9500	12/31	0.70	1.70	3.85	5.78	67
Widtsoe R.S.	7600	12/31	0.12	0.88a	1.62	2.68	60
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	- -	- -	- -	- -	- -	--
Farnsworth Lake	9900	12/30	1.66	2.65	4.80	7.30	66
G.B.R.C. Headquarters(1)	8700	12/31	1.85	3.05a	5.82	8.27a	70
G.B.R.C. Meadows(1)	10000	12/31	2.02	3.24a	6.65	8.94a	74
G.B.R.C. Oaks(1)	7655	12/31	1.32	2.23a	4.16	6.08a	68
Gooseberry R.S.(1)	7800	12/30	1.46	1.83	3.81	5.59	68
Gooseberry Reservoir*	8700	12/27	1.50	2.85	5.41	7.80	69
Mammoth R.S. #2*	8600	12/27	1.45	2.80	5.65	7.75	73
Mt. Baldy	9500	12/26	- -	- -	4.49	- -	--
Shingle Mill	6200	12/30	1.51	- -	5.15	- -	--
BEAVER RIVER							
Beaver Canyon P.H.(2)	7275	12/31	0.38	1.56a	2.35	4.22a	56
COAL CREEK							
Webster Flat*	9200	12/28	0.72	4.10	5.29	6.70	79
		COLORADO RIVER DRAINAGE					
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	12/30	0.71	4.00	4.43	9.05	49
East Portal Ridge*	7800	12/30	0.80	- -	4.29	- -	--
Indian Canyon	9100	12/30	- -	- -	2.50	- -	--
Julius Park	9800	12/30	- -	- -	3.12	7.50	42
Moon Lake	8150	12/31	0.10	1.67a	2.40	4.68a	51
Paradise Park	10100	12/30	- -	- -	3.60	7.75	46
Soapstone R.S.*	7800	12/30	2.50	3.75	6.34	8.70	73
Strawberry Res.-E.Portal*	7606	12/30	0.42	1.95	3.79	5.35	71
Trial Lake*	9800	12/30	- -	- -	4.75	11.40	42

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.Weather Bur.
a All values estimated execpt those where symbol "a" occurs.

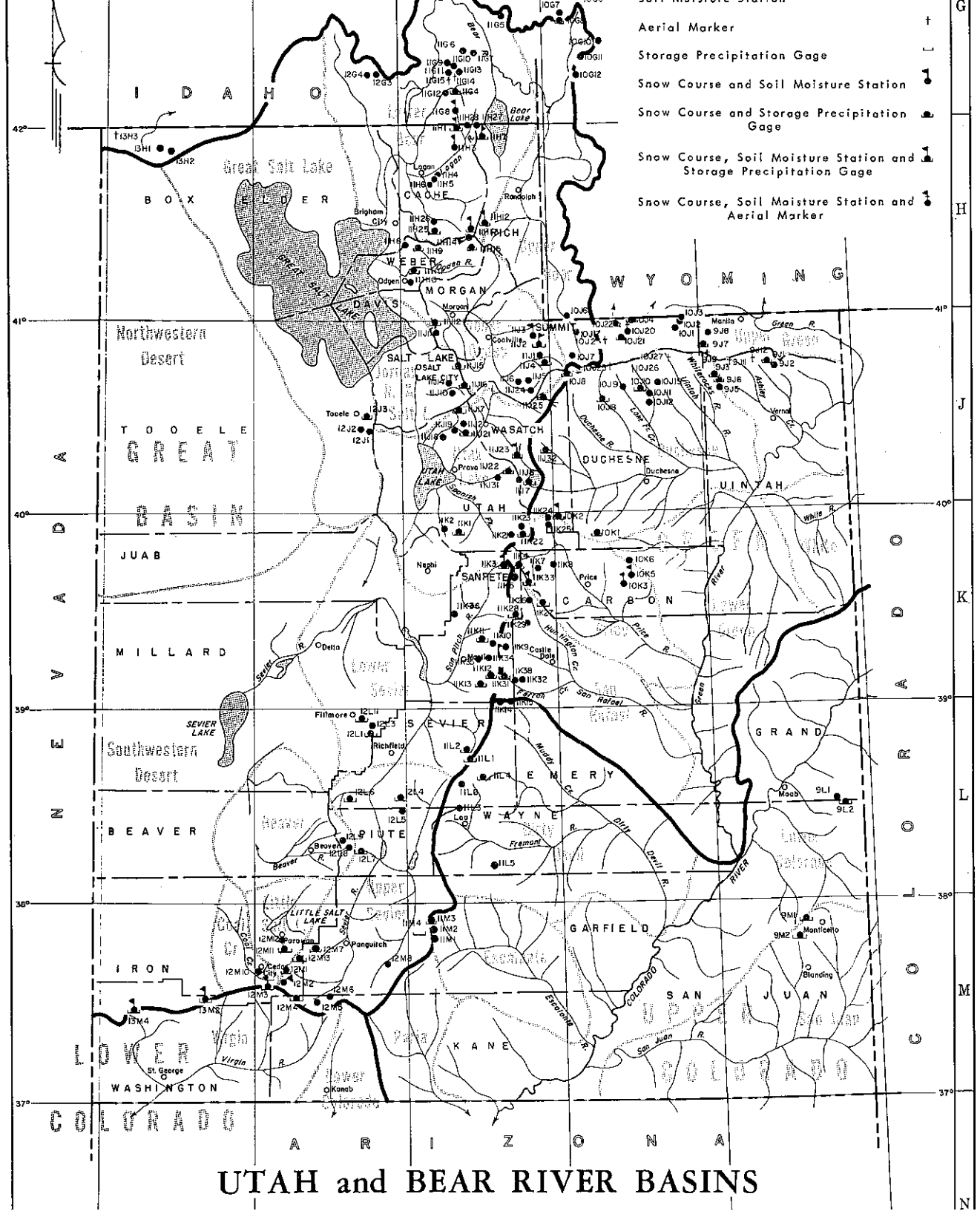
USDA-SCS-PORTLAND, ORE. 1962

SNOW COURSE LOCATION	ELEVATION	LATEST READING	PRECIPITATION	AVERAGE	SNOW WATER CONTENT	AVERAGE	AVERAGE
				a		a	
PRICE RIVER							
Gooseberry Reservoir	8700	12/27	1.50	2.85	5.41	7.80	69
Indian Canyon	9100	12/31	- -	--	2.50	- -	--
Mammoth R.S. #2	8600	12/27	1.45	2.80	5.65	7.75	73
Mud Creek	8300	12/30	0.65	3.55	3.15	7.35	43
SAN RAFAEL RIVER							
G.B.R.C. Meadows *(1)	10000	12/31	2.02	3.24a	6.65	8.94a	74
Gooseberry Reservoir *	8700	12/27	1.50	2.85	5.41	7.80	69
MUDDY RIVER							
Mt. Baldy R.S. *	9500	12/26	- -	- -	4.49	- -	- -
FREMONT & ESCALANTE RIVERS							
Farnsworth Lake *	9900	12/30	1.66	2.65	4.80	7.30	66
Widtsoe-Escalante #3	9500	12/31	0.70	1.70	3.85	5.78	67
VIRGIN RIVER							
Duck Creek R.S.	8560	12/30	0.73	3.33	4.23	6.35	67
Webster Flat	9200	12/28	0.72	4.10	5.29	6.70	79

USDA-SCS-PORTLAND, OREG. 1962

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by USWB
a All values estimated except those where symbol "a" occurs.



UTAH and BEAR RIVER BASINS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

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

AS OF
FEB. 1, 1964

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

FEBRUARY 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

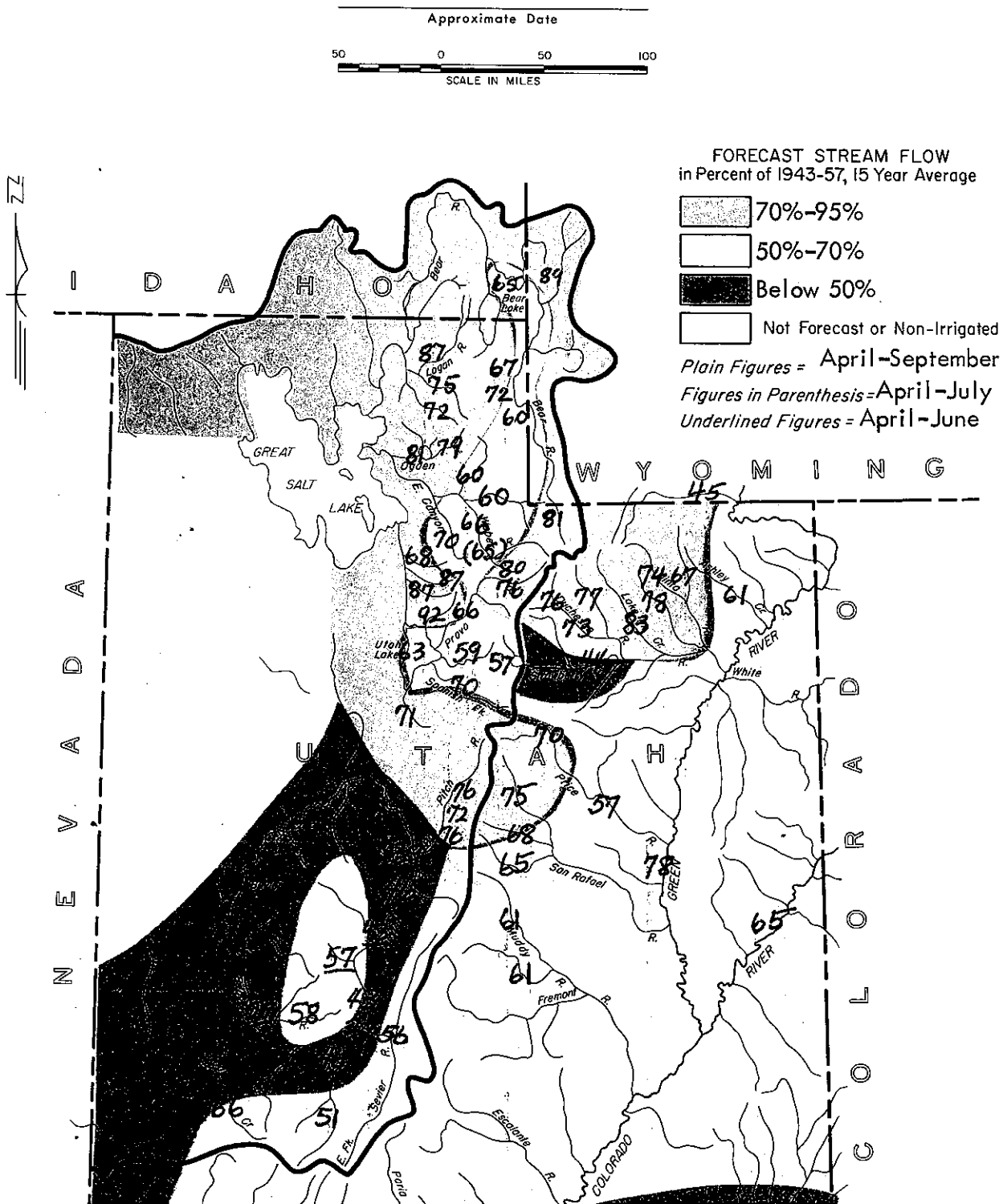
and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

Issued by

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS



WATER SUPPLY OUTLOOK

as of

February 6, 1964

* *
* The water supply outlook for Utah varies from fair in *
* northern areas to poor in the south. Streamflow fore- *
* casts for southern watersheds range from about 25% to 65% *
* of average, while most northern watersheds are expected *
* to produce from about 60% to 90%. Storage in central and *
* southern Utah reservoirs (Utah Lake, Strawberry Reservoir *
* and those south of here) is near 45% of average. Storage *
* in reservoirs north of here is about one fourth more than *
* usual. *
* *

Following the pattern which has persisted so often during the past, the water supply outlook for Utah is much better in northern sections of the state than it is in the south. Although the entire state can expect below normal runoff next summer, water users in the north can anticipate fairly adequate supplies. In the south, however, serious shortages are expected.

Above average snowpack accumulation during January improved the water supply picture for watersheds north of Utah Lake. On southern and eastern watersheds, below normal snowfall darkened the outlook. On the Logan and Ogden rivers snowfall for the month was particularly good, varying from 108% to 225%. In the Salt Lake area, on the Weber river and Utah Lake drainage the snowpack increase varied from about 95% to near 170%. In the rest of the state, snowfall was mostly between 30% and 80% of average.

Along the Sevier River, streamflow forecasts generally range between 40% and 55%. Inflow to Rockyford Reservoir on the Beaver River should be near 27%, while above Beaver the forecast is for 58%. The Virgin River, streams near Cedar City, the Paria, Escalante, Fremont and Muddy Rivers are all expected to yield from about 55% to 60% of average.

Tributary streams of the San Pitch River from Mt. Pleasant to Mayfield are forecast at 72% to 76%, while forecasts range from 65% to 75% for inflow to Scofield Reservoir on the Price River and for the San Rafael tributaries near Huntington, Castledale and Ferron.

Forecasts for some of the poorer areas in the eastern and northern sections of the state are as follows: Strawberry Reservoir inflow - 57%, Hobble Creek near Springville - 59%, Strawberry River near Duchesne - 44%, Lost Creek near Croydon and Chalk Creek near Coalville - 60%, Ashley Creek near Vernal - 61%. Inflow to Utah Lake is expected to be 63%, while its southern tributaries are forecast at near 70%.

The highest forecast in the state is for the American Fork River with 92% anticipated. The Cottonwood Creeks near Salt Lake, the Logan River and the higher elevation streams near Tooele and Farmington also have good prospects, with about 85% to 90% of average streamflow expected.

The Ogden River, Upper Bear, Weber, Provo and Duchesne Rivers, Uinta Basin streams from the Uintah Rivers westward to the Duchesne, streams of Cache Valley (excluding the Logan River) are all expected to yield from 75% to 80%.

Although anticipated inflow to Utah Lake and Strawberry Reservoir, along with current reservoir supplies in them are considerably below average, water supplies should be adequate for most uses next summer. However, carryover storage for next year will be near the minimum.

USDA SCS PORTLAND, OREG. 1963

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
GREAT BASIN					
BEAR RIVER SYSTEM					
Bear nr Ut-Wyo. State Line	100	Apr-Sept	- -	123	81
Bear nr Woodruff	80	Apr-Sept	- -	133	60
Woodruff Crk nr Woodruff, Utah	14	Apr-Sept	- -	19.4*	72
Big Crk nr Randolph, Ut.	6.5	Apr-Sept	- -	9.7*	67
Bear nr Randolph	45	Apr-Sept	- -	115	39
Smith's Fork nr Border, Wyo.	106	Apr-Sept	- -	119	89
Bear at Harer, Idaho	195	Apr-Sept	- -	299	65
Little Bear nr Paradise	33	Apr-Sept	- -	46	72
Logan nr Logan (1)	125	Apr-Sept	103	143	87
Blacksmith Fork nr Hyrum (2)	50	Apr-Sept	- -	67	75
WEBER-OGDEN RIVERS					
Weber nr Oakley	86	Apr-June	82	107	80
	107	Apr-Sept	102	134	80
Wanship Reservoir Inflow (3)	85	Apr-July	- -	130*	65
Weber nr Coalville (4)	95	Apr-Sept	- -	143	66
Chalk Crk at Coalville	25	Apr-Sept	- -	42	60
Lost Crk nr Croydon, Ut	12	Apr-Sept	- -	19.9	60
East Canyon Crk nr Morgan (5)	20	Apr-Sept	- -	28.7	70
So. Fork Ogden nr Huntsville	55	Apr-Sept	- -	70	79
Pineview Reservoir Inflow (6)	115	Mar-July	93	142	81
PROVO RIVER & UTAH LAKE					
Strawberry Reservoir Inflow (7)	32	Apr-Sept	- -	56	57
Spanish Fork at Thistle	30	Apr-Sept	- -	43	70
Payson Creek nr Payson	5.7	Apr-Sept	- -	8.0*	71
Hobble Crk nr Springville	14	Apr-Sept	- -	23.7*	59
Provo nr Hailstone (8)	90	Apr-Sept	- -	116 *	76
Provo at Vivian Park (9)	105	Apr-Sept	- -	159	66
American Fork nr American Fork	33	Apr-Sept	25	36	92
Utah Lake Inflow	200	Apr-Sept	207	317	63
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	34	Apr-Sept	36	39	87
Big Cottonwood nr SLC	35	Apr-Sept	33	40	87
Parley's Crk nr SLC	10	Apr-Sept	7.1	14.7	68

(1) Includes U.P.&L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light

FORECAST POINT	THIS YEAR	PERIOD	LAST YEAR	AVERAGE	AS PERCENT OF AVERAGE
SEVIER RIVER					
Sevier at Hatch	18	Apr-June	16.2	35	51
	25	Apr-Sept	25.0	49	51
Sevier nr Circleville	20	Apr-Sept	- -	43*	46
Sevier nr Kingston	6.5	Apr-June	- -	24.6	26
	8	Apr-Sept	- -	29.7	27
East Fork Sevier nr Kingston(10)	8	Apr-June	- -	17.2	46
	12	Apr-Sept	- -	21.6	56
Sevier below Piute Dam(11)	22	Apr-Sept	- -	51	43
Clear Crk nr Sevier(abv. Div.)	9	Apr-June	- -	15.9*	57
Inflow					
Kingston to Vermillion Dam	20	Apr-June	- -	47	43
Vermillion Dam to Gunnison	29	Mar-June	- -	63	46
Salina Crk at Salina(12)	1	Apr-June	- -	9.4*	11
Sevier nr Gunnison a	25	Apr-Sept	24.3	64	39
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	7.8	Apr-Sept	- -	10.2*	76
Twin Crk nr Mt. Pleasant	3.6	Apr-Sept	- -	5.0*	72
Ephraim Creek nr Ephraim	12	Apr-Sept	- -	15.7	76
BEAVER RIVER					
Beaver nr Beaver	14	Apr-June	10.6	22.3	63
	17	Apr-Sept	14.4	29.4	58
Rockyford Reservoir Inflow(13)	2.5	Apr-June	- -	9.2	27
COAL CREEK					
Coal Crk nr Cedar City	11	Apr-Sept	- -	16.6	66

COLORADO RIVER BASIN

GREEN RIVER TRIBUTARIES IN UTAH

FLAMING GORGE TO DUCHESNE RIVER

Henry's Fork at Linwood	18	Apr-Sept	- -	40	45
Ashley Creek nr Vernal	36	Apr-Sept	- -	59	61

USDA-SCS-PORTLAND, OREG. 1962

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE	AS PERCENT OF AVERAGE
DUCHESNE RIVER					
Duchesne at Provo River (Trail nr Hanna)	32	Apr-Sept	- -	42*	76
Duchesne nr Tabiona (14)	90	Apr-Sept	- -	124	73
Rock Crk nr Mtn. Home	84	Apr-Sept	- -	109	77
Strawberry at Duchesne	35	Apr-Sept	- -	79	44
Lakefork below Moon Lake (15)	65	Apr-Sept	- -	78	83
Yellowstone nr Altonah	75	Apr-Sept	- -	79*	78
Uinta nr Neola	75	Apr-Sept	- -	101	74
Whiterocks nr Whiterocks	45	Apr-Sept	55	67	67
PRICE RIVER					
Gooseberry Crk nr Scofield	9	Apr-Sept	- -	12.6	71
Scofield Reservoir Inflow (16)	28	Apr-Sept	- -	40	70
Price nr Heiner (16)	40	Apr-Sept	- -	70	57
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	44	Apr-Sept	- -	59	75
Cottonwood Crk nr Orangeville	40	Apr-Sept	- -	59	68
Ferron Crk nr Ferron	28	Apr-Sept	- -	43*	65
MUDDY RIVER					
Muddy Creek nr Emery	14	Apr-Sept	- -	23.1*	61
Ivie Creek abv. Div. nr Emery	1.1	Apr-Sept	- -	1.8*	61
VIRGIN RIVER					
Virgin at Virgin	25	Apr-June	18.0	44	57
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	2650	Apr-Sept	1555	4059	65
Flaming Gorge Inflow (17)	1100	Apr-July	645	1285	86
Green at Green River, Utah (17)	2750	Apr-Sept	1835	3540	78
San Juan nr Bluff, Utah (18)	500	Apr-Sept	565	1226	41
Lake Powell Inflow (a)	4900	Apr-July	3679	8100	60

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

BASIN or STREAM	RESERVOIR	CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE[a]
GREAT BASIN					
Bear River	Bear Lake	1421.0	709.3	721.3	806.4
	Woodruff Narrows	26.5	11.9	- -	- -
Little Bear	Hyrum	15.3	13.4	9.2	10.7
	Porcupine	11.3	- -	2.1c	- -
Ogden	Pineview	110.0	53.6	55.6	7.0
Weber	Rockport	59.1	25.9	33.2	- -
	Echo	73.9	34.7	28.4	27.0
	East Canyon	28.7	18.9	17.0	15.2
Provo	Deer Creek	149.7	99.0	123.0	83.1
Spanish Fork	Strawberry	270.0	53.1	48.7	131.9
Utah Lake	Utah Lake (b)	1149.0	261.9	244.5	568.2
Sevier River	Otter Creek	52.5	13.6	17.4	27.5
	Piute	74.0	16.9	25.0	38.0
	Sevier Bridge	236.0	36.6	44.1	134.6
Beaver River	Rocky Ford	23.3	5.9	6.9	13.6
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	8.3	- -	- -
Lake Fork	Moon Lake	35.8	19.0	14.6	12.4
Price River	Scofield	65.8	10.0	17.1	15.2
Green	Flaming Gorge	3789.0*	893.2	53.6*	- -
San Juan	Navajo	1709.0*	332.0	77.3*	- -
Colorado	Lake Powell	27,000.0*	3,113.0	34.5*	- -

All data contained in this table supplied by the U.S. Geological Survey.

USDA-SCS-PORTLAND, OREG.-1962

RIVER BASIN or TRIBUTARY WATERSHED	No. of Courses Average	Last Year	Average*
GREAT BASIN			
Smith's Fork - Bear River (Wyo)	4	199	94
Mink Creek - Cub River	3	211	87
Logan River	3	285	89
Blacksmith Fork	5	231	78
Malad River (Idaho)	1	475	121
Ogden River	5	227	86
Weber River above Echo Dam	8	176	70
Chalk Creek - Coalville	2	134	75
East Canyon Creek	3	201	77
Farmington Creek	2	180	82
Salt Lake Area	4	194	77
Tooele Area	1	198	100
American Fork River	2	689	61
Provo River above Vivian Park	7	148	62
Strawberry Reservoir Valley	3	265	50
Spanish Fork River	4	226	74
Mt. Nebo Area	2	172	80
Sevier River above Panguitch	3	499	42
East Fork Sevier River	4	178	47
Salina Creek	2	112	80
San Pitch River	4	208	66
Beaver River	3	242	40
Coal Creek - Cedar City	3	316	48
COLORADO RIVER BASIN			
Duchesne-Strawberry Rivers	5	134	48
Lakefork River	3	975	44
Whiterocks-Uintah Rivers	3	79	30
Price River	5	200	48
San Rafael Tributaries	6	167	45
Escalante River	3	200	56
Virgin River	4	429	42

NAME	NO.	ELEVATION	SURVEY	(Inches)	(Inches)	LAST YEAR	AVERAGE **

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	1/31	48	12.6	4.7	- -
CCC Camp x	10G7	7500	1/30	36	8.0	5.0	8.3
Monte Cristo R.S.	11H12	8960	1/29	46	11.5	7.4	17.0*
Piney LaBarge x	10G10	8820	1/27	46	11.4	6.2	13.0*
Salt River Summit x	10G8	7900	1/30	45	10.3	5.6	10.5*
Trial Lake x	10J8	9800	1/30	42	10.4	6.5	17.1*

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk.x	11H14	7150	1/29	27	6.2	2.4	8.5*
Christensen Ranch	11G11	5600	1/28	26	5.9	2.6	6.4*
Cub River R.S.	11G12	5400	1/27	33	6.6	3.2	5.9*
Dry Basin A	11G13	7900	2/2	57	16.0	- -	- -
Dry Bread Pond x	11H13	8230	1/29	35	8.7	4.8	12.3*
Dry Creek Flat	12G4	6350	2/3	23	5.7	1.2	4.7*
Emigrant Summit	11G6	7700	1/30	48	13.5	5.4	- -
Garden City Summit	11H7	7600	1/28	43	10.6	4.2	12.5*
Horseshoe Basin A	11G14	8000	2/2	50	14.0	- -	- -
Klondike Narrows	11H1	7400	1/28	48	11.2	3.8	12.3*
Liberty Spring	11G15	8420	2/2	69	19.4	- -	- -
Monte Cristo R.S.	11H12	8960	1/29	46	11.5	7.4	17.0*
Oxford Mountain	12G3	6800		No Report		1.5	6.3*
Steep Hollow #1	11H27	8500	1/28	73	19.3	7.2	- -
Steep Hollow #2	11H28	7700	1/28	58	15.1	5.7	- -
Strawberry Creek	11G9	5800	1/28	33	7.3	3.4	7.7*
Strawberry Mink Divide	11G10	6800	1/29	46	12.0	7.1	13.6
Tony Grove R.S.	11H3	6250	1/28	33	7.4	2.4	8.0*
Willow Flat	11G4	6100	1/27	45	10.4	4.2	13.5*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	1/29	27	6.2	2.4	8.5*
Ben Lomond(lower)	11H9	5850	1/30	45	11.4	3.5	9.0*
Ben Lomond Peak	11H8	8000	1/30	71	19.5	9.1	21.0*
Ben Lomond Trail	11H30	6000	1/30	49	11.9	3.4	- -
Cutler Creek	11H29	6780	1/30	64	16.6	6.7	- -
Dry Bread Pond	11H13	8230	1/29	35	8.7	4.8	12.3*
Monte Cristo R. S.	11H12	8960	1/29	46	11.5	7.4	17.0*
Sagebrush Flat	11H15	6300	1/29	24	5.4	1.2	4.2*

USDA-SCS-PORTLAND, OREG. 1962

NAME	NO.	ELEVATION	SURVEY	(Inches)	CONTENT (Inches)	LAST YEAR	AVERAGE [a]
WEBER RIVER							
Beaver Creek R. S.	11J24	7500	1/30	18	3.7	2.1	6.2*
Chalk Creek #2	11J2	8000	1/27	29	6.2	3.8	9.5*
Chalk Creek #3	11J3	7500	1/27	21	4.3	2.1	5.1*
Farmington Canyon(lower)	11J12	6950	1/31	45	12.1	5.9	14.4*
Farmington Canyon(upper)	11J11	8000	1/31	49	13.1	8.4	16.4*
Lamb's Canyon x	11J14	6600	1/31	32	7.0	4.0	10.0*
Parley's Canyon Smt.	11J15	7500	2/1	37	10.2	4.6	11.5*
Silver Lake x	11J16	8725	1/30	46	12.0	5.8	16.8
Smith & Morehouse	11J4	7600	1/29	24	5.5	5.7	8.6*
Trial Lake x	10J8	9800	1/30	42	10.4	6.5	17.1*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	1/30	30	7.2	0.6	12.9
Clear Creek Ridge #2	11K22	8000	1/29	29	6.3	3.3	8.5*
Clear Creek Ridge #3	11K23	6600	1/29	17	3.3	0.9	5.2*
Daniels-Strawberry Smt.	11J23	8000	1/31	23	5.1	7.6	10.5
East Portal	11J7	7560	1/29	18	3.8	1.2	8.7
Payson R. S.	11K1	8050	1/31	31	7.8	4.6	11.0*
Rock Bridge	11K2	6750	1/31	26	6.8	3.9	7.7*
Soapstone R. S.	11J25	7800	1/30	23	4.8	6.5	8.8*
South Fork R. S.	11J19	6100	1/30	20	5.4	0.6	5.9*
Strawberry Divide	11J8	8000	1/29	37	8.2	2.0	14.5
Timpanogos Cave Camp	11J18	5500	1/30	17	3.9	0.4	3.6*
Timpanogos Divide	11J21	8140	1/30	40	12.8	7.2	19.4
Trial Lake	10J8	9800	1/30	42	10.4	6.5	17.1*
JORDAN RIVER & TOOELE VALLEY							
Lamb's Canyon	11J14	6600	1/31	32	7.0	4.0	10.0*
Middle Canyon	12J3	7000	1/29	31	8.3	4.2	8.3*
Mill D South Fork	11J10	7400	1/30	41	9.7	5.6	12.5*
Parley's Canyon Smt. x	11J15	7500	2/1	37	10.2	4.6	11.5*
Silver Lake	11J16	8725	1/30	46	12.0	5.8	16.8
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	1/28	23	5.0	2.9	11.3*
Bryce Canyon	12M8	8000	1/29	8	1.0	0.9	3.3*
Duck Creek R. S.	12M4	8560	1/30	16	3.0	0.5	9.5*
Harris Flat R.S.	12M5	7700	1/30	13	2.2	0.4	6.0*
Long Valley Junction x	12M6	7500	1/30	9	1.4	T	4.2*
Midway Valley	12M2	9800	1/30	34	8.3	2.4	14.5*
Widtsoe-Escalante Smt.	11M1	9500	1/29	12	2.9	1.1	5.5*

USDA-SCS-PORTLAND, OREG. 1962

NAME	NO.	ELEVATION	SURVEY	(Inches)	CONTENT (Inches)	LAST YEAR	AVERAGE [a]
LOWER SEVIER RIVER (Including San Pitch River)							
Farnsworth Lake	11L1	9900	1/29	28	7.9	8.0	11.3*
G.B.R.C. Headquarters	11K11	8700	1/30	24	6.3	4.6	9.1*
G.B.R.C. Meadows	11K10	10000	1/30	36	9.3	7.6	15.6*
Gooseberry R.S.	11L2	8400	1/29	23	6.2	5.0	7.0*
Gooseberry Reservoir x	11K4	8700	1/28	28	7.8	1.6	11.5*
Mammoth R.S.-Cotnwd Crk.	11K3	8800	1/28	31	8.0	9.4	12.1
Shingle Mill	12L11	6200	1/30	20	4.9	2.7	- -
BEAVER RIVER							
Big Flat	12L7	10290	1/28	23	5.0	2.9	11.3*
Merchant's Valley	12L9	8200	1/28	10	1.6	0.5	6.5*
Otter Lake	12L8	9300	1/28	24	4.7	2.0	9.2*
COAL CREEK							
Midway Valley x	12M2	9800	1/30	34	8.3	2.4	14.5*
Urie Flat	12M10	8450	1/30	10	2.3	0.6	5.0*
Webster Flat	12M3	9200	1/30	23	4.6	2.1	11.2*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Buck Pasture A	10J23	9700	Delayed Report			5.0A	- -
Henry's Fork A	10J24	10200	Delayed Report			N.R.	- -
Steel Creek Park A	10J20	9900	Delayed Report			2.4A	- -
DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	Delayed Report			3.8A	- -
Atwood Basin A	10J27	10250	Delayed Report			2.9A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	Delayed Report			4.1A	- -
Daniels-Strawberry Smt.x	11J23	8000	1/31	23	5.1	7.6	10.5
East Portal x	11J7	7560	1/29	18	3.8	1.2	8.7
Five Point Lake A	10J26	11000	Delayed Report			6.5A	- -
Indian Canyon	10K1	9100	1/30	13	2.7	5.3	8.6*
Julius Park	9J6	9800	1/30	21	4.2	4.5	- -
Lakefork Basin A	10J25	11100	Delayed Report			N.R.	- -
Lakefork Mountain	10J10	10500	1/29	23	5.2	0.4	8.1*
Lakefork Mountain #2	10J11	8900	1/29	12	1.9	0.0	6.0*
Lakefork Mountain #3	10J12	8100	1/29	8	1.3	0.2	4.8*

USDA-SCS-PORTLAND, OREG. 1962

NAME	NO.	ELEVATION	SURVEY	(inches)	(inches)	LAST YEAR	AVERAGE [a]
DUCHESNE RIVER - Continued							
Mosby Mountain	9J5	9500	1/30	14	2.1	4.2	7.7*
Paradise Park	9J3	10100	1/30	14	2.8	3.3	8.7*
Reynolds Park A	9J10	10400	Delayed Report			- -	- -
Soapstone R. S. x	11J25	7800	1/30	23	4.8	6.5	8.8*
Strawberry Divide	11J8	8000	1/29	18	3.8	2.0	14.5
Trial Lake	10J8	9800	1/30	42	10.4	6.5	17.1*
Windy Park A	9J12	9400	Delayed Report			1.9	- -
PRICE RIVER							
Dry Valley Divide	11K8	7800	1/31	15	2.4	1.2	8.0*
Gooseberry Reservoir	11K4	8700	1/28	28	7.8	1.6	11.5*
Indian Canyon x	10K1	9100	1/30	13	2.7	5.3	8.6*
Jones Ranch	11K7	7600	1/31	9	1.2	0.6	5.5*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	1/28	31	8.0	9.4	12.1*
Mud Creek #2	11K33	8300	1/31	19	3.7	2.1	8.3*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	1/30	22	4.5	9.4	10.0*
Gooseberry Reservoir	11K4	8700	1/28	28	7.8	1.6	11.5*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	1/28	31	8.0	9.4	12.1*
Red Pine Ridge	11K28	9400	1/29	26	5.7	2.4	10.9*
Ruch Pond	11K38	9800	1/30	20	3.6	7.7	9.2*
Upper Joe's Valley	11K29	8800	1/29	12	1.8	1.4	6.0*
Wrigley Creek	11K32	9000	1/30	15	2.3	4.6	6.8*
FREMONT RIVER							
Farnsworth Lake x	11L1	9900	1/29	28	7.9	8.0	11.3*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	1/29	12	2.9	1.1	5.5*
Widtsoe-Escalante #2	11M2	9500	1/29	15	3.8	1.8	6.6*
Widtsoe-Escalante #3	11M3	9500	1/29	19	4.2	3.4	- -
VIRGIN RIVER							
Duck Creek R.S.	12M4	8560	1/30	16	3.0	0.5	9.5*
Harris Flat R.S.	12M5	7700	1/30	13	2.2	0.4	6.0*
Long Valley Junction	12M6	7500	1/30	9	1.4	T	4.2*
Midway Valley x	12M2	9800	1/30	34	8.3	2.4	14.5*
Webster Flat	12M3	9200	1/30	23	4.6	2.1	11.2*

AND RAIN GAGE LOCATION	ELEVATION	DATE OF READING	MONTHS PRECIPITATION	TOTAL OF AVERAGE	THIS YEAR	AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	1/27	- -	- -	9.26	11.76	79
Chalk Creek #3*	7500	1/27	- -	- -	7.41	- -	--
Monte Cristo #2	8960	1/29	- -	- -	13.08	- -	--
Salt River Summit	7900	1/30	4.60	3.60	11.50	12.90	89
Trial Lake*	9800	1/30	4.51	4.75	9.26	16.15	57
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	1/29	- -	- -	10.83	15.50	70
Garden City Summit	7600	1/28	4.59	3.30	11.41	12.40	92
Klondike Narrows	7400	1/28	6.54	4.10	14.39	15.45	93
Monte Cristo #2	8960	1/29	- -	- -	13.08	- -	--
Tony Grove R.S.(SCS)	6250	1/28	4.30	- -	9.37	- -	--
Willow Flat	6100	1/27	- -	- -	11.40	16.29	70
OGDEN RIVER							
Ben Lomond(lower)	5850	1/30	6.99	4.75	16.38	17.80	92
Ben Lomond Trail	6000	1/30	7.15	- -	17.01	- -	--
Causey Dam	5500	1/29	3.25	- -	- -	- -	--
Dry Bread Pond	8230	1/29	- -	- -	10.83	15.50	70
Monte Cristo #2*	8960	1/29	- -	- -	13.08	- -	--
Sagebrush Flat	6300	1/29	- -	- -	7.93	10.15	78
WEBER RIVER							
Chalk Creek #2	8000	1/27	- -	- -	9.26	11.76	79
Chalk Creek #3	7500	1/27	- -	- -	7.41	- -	--
Farmington Guard Sta.(1)	7500	1/31	6.68	5.43a	14.88	20.57a	72
Farmington Rice (1)	7000	1/31	6.52	5.00a	14.51	18.52a	78
Parley's Canyon Smt.	7500	2/1	5.55	3.33	11.34	13.87	82
Silver Lake(Brighton)*(2)	8725	1/31	6.73	5.60a	14.20	19.57a	73
Smith & Morehouse	7600	1/29	3.66	3.20	9.41	12.20	77
Trial Lake*	9800	1/30	4.51	4.75	9.26	16.15	57

(1) Data supplied by U.S. Forest Service
(2) Data supplied by U.S. Weather Bureau
* Adjacent Drainage
a All values estimated except those where symbol "a" occurs

USDA-SCS-PORTLAND, OREG. 1962

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	1/29	- -	- -	6.95	10.90	64
Daniels-Strawberry Smt.	8000	1/31	3.54	2.05	7.97	11.10	72
East Portal Ridge	7800	1/29	4.25	- -	8.54	- -	--
Payson R. S.	8050	1/31	5.50	3.40	10.44	12.50	84
Soapstone R. S.	7800	1/30	3.75	3.05	10.09	11.75	86
Strawberry Res.-E. Portal	7606	1/29	1.75	1.30	5.54	6.65	83
Timpanogos Divide	8200	1/30	3.75	5.82a	14.29	18.87a	76
Trial Lake	9800	1/30	4.51	4.75	9.26	16.15	57
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	1/29	4.08	2.36	11.14	11.80	94
Mt. Dell Dam (2)	5500	1/31	3.26	2.15a	7.60	9.15a	83
Parley's Canyon Smt.	7500	2/1	5.55	3.33	11.34	13.87	82
Silver Lake(Brighton)(2)	8725	1/31	6.73	5.60a	14.20	19.57a	73
SEVIER RIVER ABOVE RICHFIELD							
Big Flat	10290	1/28	- -	- -	5.97	10.98	54
Duck Creek R.S.	8560	1/30	3.00	4.40	7.23	10.75	67
Webster Flat*	9200	1/30	1.96	4.50	7.25	11.20	65
Widtsoe-Escalante #3	9500	1/29	1.57	2.45	5.42	8.23	66
Widtsoe R. S.	7600	1/29	0.43	0.87a	2.05	3.55a	58
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Farnsworth Lake	9900	1/29	3.58	4.20	8.38	11.50	73
G.B.R.C. Headquarters (1)	8700	1/30	2.13	3.49a	7.95	11.76a	68
G.B.R.C. Meadows (1)	10000	1/30	3.15	3.36a	9.80	12.30a	80
G.B.R.C. Oaks (1)	7655	1/30	1.27	2.16a	5.43	8.24a	66
Gooseberry R. S. (1)	7800	1/29	2.14	2.51	5.95	8.10	73
Gooseberry Reservoir *	8700	1/28	2.77	3.80	8.18	11.60	71
Mammoth R. S. #2*	8600	1/28	3.08	3.80	8.73	11.55	76
Shingle Mill	6200	1/30	1.32	- -	6.47	- -	--
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	1/31	0.80	2.26a	3.15	6.48a	49
Big Flat	10290	1/28	- -	- -	5.97	10.98	54
COAL CREEK							
Webster Flat *	9200	1/30	1.96	4.50	7.25	11.20	65

(1) Data supplied by U. S. Forest Service

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	WATER YEAR 1957 TO DATE THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
COLORADO RIVER DRAINAGE							
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	1/31	3.54	2.05	7.97	11.10	72
East Portal Ridge*	7800	1/29	4.25	- -	8.54	- -	--
Indian Canyon	9100	1/30	1.18	- -	3.68	- -	--
Julius Park	9800	1/30	1.20	3.00	4.32	10.50	41
Lakefork Mountain	10500	1/29	- -	- -	6.20	9.85	63
Moon Lake	8150	1/31	0.60	2.03a	3.00	6.71a	45
Paradise Park	10100	1/30	1.55	3.25	5.15	11.00	47
Soapstone R. S. *	7800	1/30	3.75	3.05	10.09	11.75	86
Strawberry Res.-E.Portal*	7606	1/29	1.75	1.30	5.54	6.65	83
Trial Lake*	9800	1/30	4.51	4.75	9.26	16.15	57
PRICE RIVER							
Clear Creek Ridge #2*	8000	1/29	- -	- -	6.95	10.90	64
Gooseberry Reservoir	8700	1/28	2.77	3.80	8.18	11.60	71
Indian Canyon	9100	1/30	1.18	- -	3.68	- -	--
Mammoth R. S. #2	8600	1/28	3.08	3.80	8.73	11.55	76
Mud Creek	8300	1/31	2.30	3.65	5.45	11.00	50
SAN RAFAEL RIVER							
Buck Flat	9400	1/30	- -	- -	5.85	10.60	55
G.B.R.C. Meadows* (1)	10000	1/30	3.15	3.36a	9.80	12.30a	80
Gooseberry Reservoir *	8700	1/28	2.77	3.80	8.18	11.60	71
Red Pine Ridge	9400	1/29	- -	- -	6.75	12.87	52
FREMONT & ESCALANTE RIVERS							
Farnsworth Lake *	9900	1/29	3.58	4.20	8.38	11.50	73
Widtsoe-Escalante #3	9500	1/29	1.57	2.45	5.42	8.23	66
VIRGIN RIVER							
Duck Creek R. S.	8560	1/30	3.00	4.40	7.23	10.75	67
Webster Flat	9200	1/30	1.96	4.50	7.25	11.20	65

(1) Data supplied by U. S. Forest Service
(2) Data supplied by U. S. Weather Bureau
* Adjacent Drainage
a All values estimated except those where symbol "a" occurs

USDA-SCS-PORTLAND, OREG 1962

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

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

AS OF
MAR. 1, 1964

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

UTAH

MARCH 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

USDA-SCS-PORTLAND, OREG. 1963

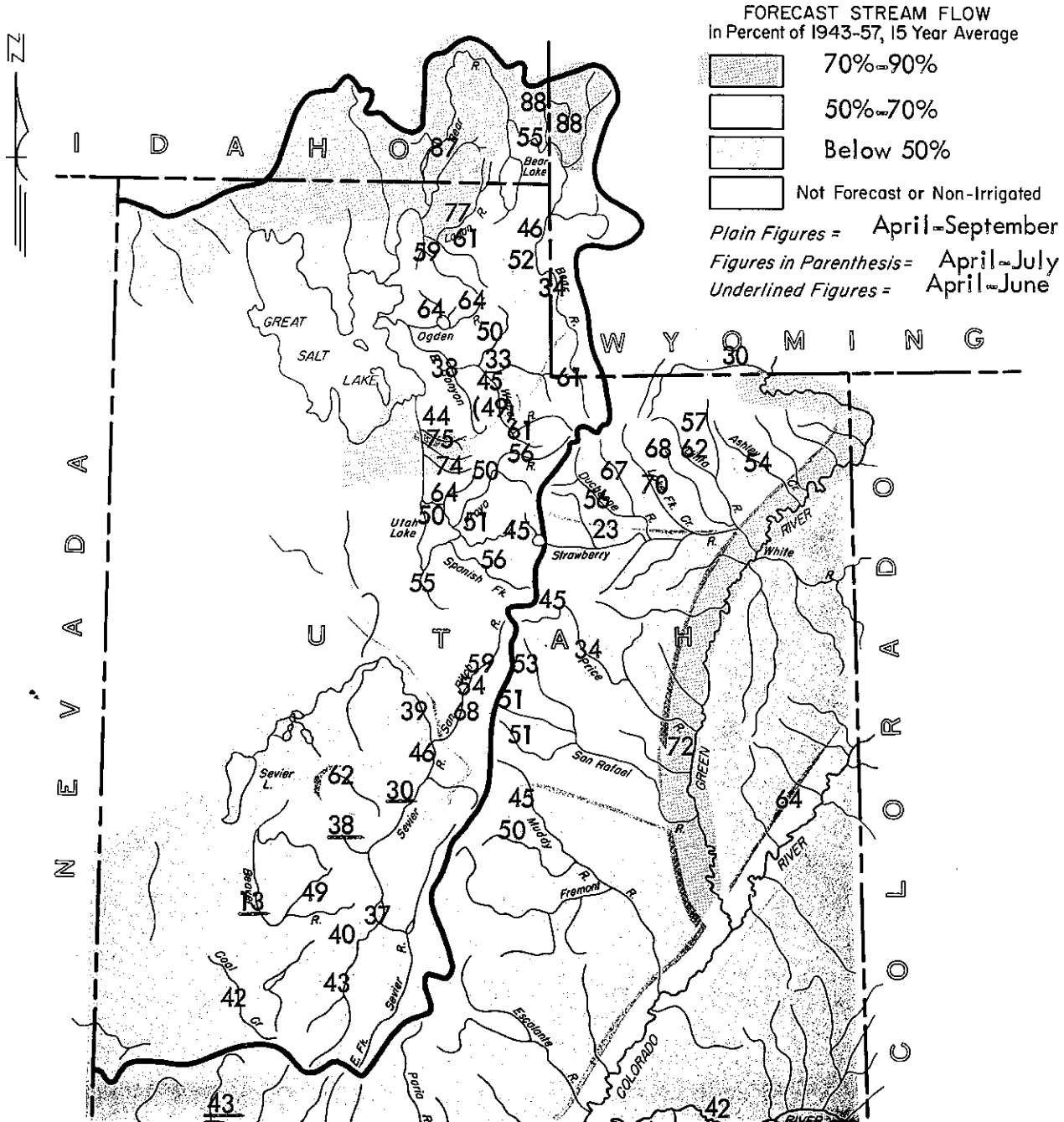
Issued by

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

MARCH 1, 1964

Approximate Date

50 0 50 100
SCALE IN MILES



as of

MARCH 4, 1964

The water supply outlook for southern Utah is very poor. In northern areas the outlook is for generally adequate supplies for water users owning reservoir storage water, and fair to poor for those dependent on natural flow rights.

Extremely light snowpack accumulation during February on nearly all watersheds of the state has resulted in marked lowering of forecasts for next summer's streamflow. Now, forecasts for most streams range between one third and two thirds of their usual flow.

An exception to the general water picture exists on the Cottonwood Creeks near Salt Lake, the streams near Tooele and on the Logan river. Here the outlook is better, with streams expected to yield about 70% to 80% of average.

February snowfall generally varied between 10% and 35% on the watersheds of the Uintah Basin and southern Utah. On northern and central watersheds, snowfall was about 25% to 50%. Notable exceptions occurred in the Sheep Creek-Lost Creek area southeast of Salina where the month's snowfall was 113% to 122%. Near Tooele, on Mt. Nebo and on Chalk Creek east of Coalville it ranged from 75% to 90% for the month.

The outlook for the summer's streamflow is particularly poor for southern Utah, where streams are expected to yield essentially the same as they did during last year's drought. On southern and eastern watersheds, eight snow courses have set new record low readings, while many courses have only one or two years when slightly lower March 1st readings have been made.

Several examples of these low readings follow. At the Buckboard Flat snow course near Monticello only 3.4 inches snow water was measured. The previous low was 5.4 inches measured in 1963, and compares with the average of 13.3 inches. At Camp Jackson near Blanding, this year's reading of 1.9 inches snow water compares with the previous low of 3.4 inches measured in 1961 and with the average of 12.0 inches.

The reading at Cedar Breaks, near the head of the Virgin and Sevier rivers, is typical of snowpack conditions in southwestern areas. Here the reading this month was 5.8 inches snow water. Last year's reading (1963) was lowest of record, with 5.0 inches. The second lowest previous reading was 10.4 inches measured in 1959. Average for March 1 is 19.2 inches.

Forecasts range between about 30% and 50% for the following streams - the Sevier,

reservoir inflow, East Canyon Creek near Morgan, Lost Creek near Croydon, Chalk Creek and the Weber river at Coalville, the Bear river and smaller tributaries near Woodruff and Randolph.

Inflow to Rockyford reservoir on the Beaver river near Minersville is forecast at 13%, while the Strawberry river at Duchesne is expected to yield 23%. Streams in East Carbon county and on the south side of the Uintah Basin should yield between 10% and 35% of average.

Although inflow to Utah Lake is expected to be only 50%, when combined with present storage (see reservoir storage table,page 6), the total water available should be nearly adequate for most uses unless dry spring and summer weather is experienced. The same statement applies for water users served by the Strawberry reservoir where an inflow of 45% is expected. By the end of the summer both of these reservoirs are expected to be drawn down about as far as possible.

Streams which are expected to produce between 50% and 70% of average include the following - Chalk Creek near Fillmore, San Pitch and San Rafael river tributaries, all streams flowing into Utah Lake, all northern streams of the Uintah Basin, the upper Weber and Bear rivers, the Ogden river, Little Bear and Blacksmith Fork in Cache Valley.

As reported by the U.S. Geological Survey, low reservoir storage values fail to brighten the water outlook for southern areas. In northern areas, however, above normal storage water assures fairly adequate supplies for those having a right to the water. In these northern areas, those who have only a natural flow right can expect mild to serious shortages of late season water.

In reviewing the above forecasts it should be remembered that they are made with the assumption that average weather conditions will prevail during the spring and summer months. If the dry weather experienced thus far this winter should continue, actual streamflow will be considerably below what is now expected. Before average streamflow could occur, mountain snowfall would have to be from about 150% to 300% of normal for the next two or three months.

USDA SCS PORTLAND ORE. 1963

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
GREAT BASIN					
BEAR RIVER SYSTEM					
Bear nr Ut-Wyo. State Line	75	Apr-Sept	- -	123	61
Bear near Woodruff	45	Apr-Sept	- -	133	34
Woodruff Crk nr Woodruff, Utah	10	Apr-Sept	- -	19.4*	52
Big Crk nr Randolph, Utah	4.5	Apr-Sept	- -	9.7*	46
Bear near Randolph	10	Apr-Sept	- -	115	9
Smith's Fork nr Border, Wyo.	105	Apr-Sept	- -	119	88
Bear at Harer, Idaho	165	Apr-Sept	- -	299	55
Little Bear nr Paradise	27	Apr-Sept	- -	46	59
Logan nr Logan (1)	110	Apr-Sept	103	143	77
Blacksmith Fork nr Hyrum (2)	41	Apr-Sept	- -	67	61
WEBER-OGDEN RIVERS					
Weber nr Oakley	62	Apr-June	82	107	58
	82	Apr-Sept	102	134	61
Wanship Reservoir Inflow (3)	64	Apr-July	- -	130*	49
Weber nr Coalville (4)	65	Apr-Sept	- -	143	45
Chalk Crk at Coalville	14	Apr-Sept	19.4	42	33
Lost Crk nr Croydon, Utah	10	Apr-Sept	10.7	19.9	50
East Canyon Crk nr Morgan (5)	11	Apr-Sept	11.8	28.7	38
So. Fork Ogden nr Huntsville	45	Apr-Sept	- -	70	64
Pineview Reservoir Inflow (6)	91	Mar-July	93	142	64
PROVO RIVER & UTAH LAKE					
Strawberry Reservoir Inflow (7)	25	Apr-Sept	- -	56	45
Spanish Fork at Thistle	24	Apr-Sept	- -	43	56
Payson Creek nr Payson	4.4	Apr-Sept	- -	8.0*	55
Hobble Crk nr Springville	12	Apr-Sept	- -	23.7*	51
Provo nr Hailstone (8)	65	Apr-Sept	- -	116 *	56
Provo at Vivian Park (9)	80	Apr-Sept	12.0	159	50
American Fork nr American Fork	23	Apr-Sept	25	36	64
Utah Lake Inflow	160	Apr-Sept	207	317	50
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	29	Apr-Sept	36	39	74
Big Cottonwood nr SLC	30	Apr-Sept	33	40	75
Parley's Crk nr SLC	6.5	Apr-Sept	7.1	14.7	44

(1) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light

USDA-SCS-PORTLAND, OREG. 1962

UTAH STREAMFLOW FORECASTS - (1,000 AC. FT.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
SEVIER RIVER					
Sevier at Hatch	13	Apr-June	16.2	35	37
	21	Apr-Sept	25.0	49	43
Sevier nr Circleville	17	Apr-Sept	- -	43*	40
Sevier nr Kingston	3	Apr-June	2.7	24.6	12
	5	Apr-Sept	4.8	29.7	17
East Fork Sevier nr Kingston (10)	3.5	Apr-June	5.5	17.2	20
	8	Apr-Sept	10.2	21.6	37
Sevier below Piute Dam (11)	14	Apr-Sept	14.9	51	27
Clear Crk nr Sevier (abv. Div.)	6	Apr-June	- -	15.9*	38
Inflow					
Kingston to Vermillion Dam	14	Apr-June	- -	47	30
Vermillion Dam to Gunnison	29	Mar-June	- -	63	46
Salina Crk at Salina (12)	1	Apr-June	- -	9.4*	11
Sevier nr Gunnison a	25	Apr-Sept	24.3	64	39
Chalk Creek nr Fillmore	12.5	Apr-Sept	- -	20.3	62
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	6	Apr-Sept	- -	10.2*	59
Twin Crk nr Mt. Pleasant	2.7	Apr-Sept	- -	5.0*	54
Ephraim Creek nr Ephraim	10.7	Apr-Sept	- -	15.7	68
BEAVER RIVER					
Beaver nr Beaver	11.5	Apr-June	10.6	22.3	52
	14.5	Apr-Sept	14.4	29.4	49
Rockyford Reservoir Inflow (13)	1.2	Apr-June	- -	9.2	13
COAL CREEK					
Coal Crk nr Cedar City	7	Apr-Sept	- -	16.6	42
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	12	Apr-Sept	- -	40	30
Ashley Creek nr Vernal	32	Apr-Sept	- -	59	54

USDA-SCS-PORTLAND, OREG. 1962

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
DUCHESNE RIVER					
Duchesne at Provo River (Trail nr Hanna)	25	Apr-Sept	- -	42*	60
Duchesne nr Tabiona (14)	70	Apr-Sept	- -	124	56
Rock Crk nr Mtn. Home	72	Apr-Sept	- -	109	67
Strawberry at Duchesne	18	Apr-Sept	- -	79	23
Lakefork below Moon Lake (15)	55	Apr-Sept	- -	78	70
Yellowstone nr Altonah	54	Apr-Sept	- -	79*	68
Uinta nr Neola	63	Apr-Sept	- -	101	62
Whiterocks nr Whiterocks	38	Apr-Sept	55	57	57
PRICE RIVER					
Gooseberry Crk nr Scofield	6.5	Apr-Sept	- -	12.6	52
Scofield Reservoir Inflow (16)	18	Apr-Sept	- -	40	45
Price nr Heiner (16)	24	Apr-Sept	- -	70	34
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	31	Apr-Sept	- -	59	53
Cottonwood Crk nr Orangeville	30	Apr-Sept	- -	59	51
Ferron Crk nr Ferron	22	Apr-Sept	- -	43*	51
MUDDY RIVER					
Muddy Creek nr Emery	10.5	Apr-Sept	- -	23.1*	45
Ivie Creek abv. Div. nr Emery	0.9	Apr-Sept	- -	1.8*	50
VIRGIN RIVER					
Virgin nr Virgin	19	Apr-June	18.0	44	43
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	2600	Apr-Sept	1555	4059	64
Flaming Gorge Inflow (17)	990	Apr-July	645	1285	77
Green at Green River, Utah(17)	2560	Apr-Sept	1835	3540	72
San Juan nr Bluff, Utah (18)	515	Apr-Sept	565	1226	42
Lake Powell Inflow (a)	4600	Apr-July	3679	8100	57

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE[a]
GREAT BASIN					
Bear River	Bear Lake	1421.0	724.0	761.4	815.6
	Woodruff Narrows	26.5	13.8	18.5	- -
Little Bear	Hyrum	15.3	11.7	12.6	10.7
	Porcupine	11.3	- -	3.5	- -
Ogden	Pineview	110.0	48.8	63.5	7.2
Weber	Rockport	60.9	25.7	33.6	- -
	Echo	73.9	38.4	37.5	28.5
	East Canyon	28.7	19.5	19.4	16.0
Provo	Deer Creek	149.7	96.0	120.9	82.3
Spanish Fork	Strawberry	270.0	54.5	52.6	134.3
Utah Lake	Utah Lake (b)	1149.0	288.9	277.5	614.2
Sevier River	Otter Creek	52.5	17.0	22.4	31.9
	Piute	74.0	21.0	28.9	46.4
	Sevier Bridge	236.1	45.8	57.8	150.4
Beaver River	Rocky Ford	23.3	7.4	8.6	15.3
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	9.4	15.3	- -
Lake Fork	Moon Lake	35.8	20.3	15.9	13.9
Price River	Scofield	65.8	10.3	18.1	16.1
Green	Flaming Gorge	3789.0*	863.7	66.4	- -
San Juan	Navajo	1709.0*	326.7	102.6	- -
Colorado	Lake Powell	27,000.0*	3,119.0	77.5	- -

All data contained in this table supplied by the U. S. Geological Survey

USDA-SCS-PORTLAND, OREG. 1962

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *
GREAT BASIN			
Smith's Fork - Bear River(Wyo)	5	109	85
Strawberry-Mink Creeks(Ida)	3	318	73
Cub River (Ida)	2	181	85
Logan River	3	150	76
Blacksmith Fork-Little Bear	5	202	68
Malad River (Idaho)	2	- -	84
Ogden River	4	279	71
Weber River above Echo Dam	8	111	58
Chalk Creek - Coalville	3	266	70
East Canyon Creek	3	127	63
Farmington Creek	2	169	68
Salt Lake Area	4	128	64
Tooele Area	1	550	97
American Fork River	3	154	53
Provo River above Vivian Park	6	99	54
Strawberry Reservoir Valley	3	106	49
Hobble Creek	2	210	64
Mt. Nebo Area	2	258	79
Sevier River above Panguitch	5	146	33
East Fork Sevier River	4	107	37
Clear Creek above Sevier	1	117	54
Salina Creek	2	132	89
San Pitch River	6	91	61
Chicken Creek - Levan	1	140	71
Chalk Creek - Fillmore	2	280	77
Beaver River	3	85	32
Parowan Creek	3	133	43
Coal Creek - Cedar City	4	185	36
Enterprise - New Harmony	1	170	30
COLORADO RIVER BASIN			
Duchesne River above Tabiona	3	90	50
Strawberry River	4	98	42
Lakefork River	2	90	40
Whiterocks-Uintah Rivers	3	90	31
Ashley Creek	4	119	35
Price River	7	91	43
San Rafael Tributaries	4	77	51
Fremont River	4	148	51
Escalante River	2	102	35
Virgin River	4	220	31

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE [a]

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	2/24	49	14.1	14.1	17.2*
CCC Camp x	10G7	7500	2/27	38	9.6	7.8	10.4
Kelly Ranger Station	10G12	8200	2/24	46	13.6	11.9	- -
Monte Cristo R. S.	11H12	8960	2/26	49	14.5	14.8	22.7*
Piney LaBarge x	10G10	8820	2/25	44	13.4	15.6	17.5*
Poison Meadows x	10G6	8500	2/26	61	19.0A	21.0A	25.2*
Salt River Summit x	10G8	7900	2/28	45	12.5	10.4	13.6*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk	11H14	7150	2/26	31	7.6	3.9	11.6*
Christensen Ranch	11G11	5600	2/26	28	7.1	0.0	9.4*
Cub River R. S.	11G12	5400	2/26	30	8.3	0.0	8.9*
Dry Bread Pond x	11H13	8230	2/26	37	10.0	10.8	16.7*
Dry Creek Flat	12G4	6350	2/25	29	7.0	0.0	7.2*
Emigration Canyon	11G7	6500	2/25	28	7.0	6.7	- -
Emigrant Summit	11G6	7700	2/25	56	15.4	14.6	- -
Garden City Summit	11H7	7600	2/27	41	12.2	11.0	17.4*
Klondike Narrows	11H1	7400	2/28	46	13.8	10.5	16.7*
Little Bear (lower)	11H26	6100	2/25	32	7.2	0.0	8.0*
Little Bear (upper)	11H25	6850	2/25	32	8.2	1.6	10.2*
Monte Cristo R. S.	11H12	8960	2/26	49	14.5	14.8	22.7*
Oxford Mountain	12G3	6800	2/25	29	6.4	4.6	9.0*
Slug Creek Divide	11G5	7225	2/25	43	12.0	11.2	- -
Steep Hollow #1	11H27	8500	2/28	74	24.4	22.2	- -
Steep Hollow #2	11H28	7700	2/28	57	18.5	17.9	- -
Strawberry Creek	11G9	5800	2/27	35	8.3	1.3	11.4*
Strawberry Mink Divide	11G10	6800	2/27	51	14.4	6.8	19.8*
Tony Grove R. S.	11H3	6250	2/28	31	8.5	4.1	11.2*
Willow Flat	11G4	6100	2/26	43	12.6	5.5	14.6

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/26	31	7.6	3.9	11.6*
Ben Lomond (lower)	11H9	5850	2/27	40	11.7	1.6	12.3*
Ben Lomond Peak	11H8	8000	2/27	66	21.5	18.8	28.5*
Ben Lomond Trail	11H30	6000	2/27	43	12.3	3.2	- -
Cutler Creek	11H29	6780	2/27	56	18.0	13.2	- -
Dry Bread Pond	11H13	8230	2/26	37	10.0	10.8	16.7*

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE α
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	2/28	21	4.7	4.8	8.4*
Chalk Creek #1	11J1	9100	2/25	50	12.2	15.3	20.8*
Chalk Creek #2	11J2	8000	2/25	39	8.6	7.2	13.2*
Chalk Creek #3	11J3	7500	2/25	30	6.0	1.0	6.9*
Farmington Canyon (lower)	11J12	6950	2/28	46	13.4	6.3	19.4*
Farmington Canyon (upper)	11J11	8000	2/28	50	14.8	11.8	22.5*
Horse Ridge	11H21	8260	2/24	44	13.1	13.4	- -
Kilfore Creek	11H31	7300	2/24	30	7.4	7.2	- -
Lamb's Canyon x	11J14	6600	2/28	34	7.0	5.1	13.5*
Lost Creek Reservoir	11H32	6125		No Report		0.0	- -
Parley's Canyon Smt.	11J15	7500	2/29	40	11.8	9.1	15.7*
Redden Mine (lower)	11J6	8500	2/26	37	9.1	9.2	16.9*
Redden Mine (upper)	11J5	9000	2/26	41	10.5	10.4	17.9*
Silver Lake x	11J16	8725	2/27	46	13.3	11.6	21.4*
Smith & Morehouse	11J4	7600	2/27	29	7.0	5.2	12.3*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	2/28	28	8.4	3.4	16.3
Clear Creek Ridge #1	11K21	9200	2/26	36	9.3	8.8	15.2*
Clear Creek Ridge #2	11K22	8000	2/26	32	7.7	4.2	12.0*
Clear Creek Ridge #3	11K23	6600	2/26	18	4.1	0.6	7.0*
Daniels-Strawberry Smt.	11J23	8000	2/27	28	6.2	5.6	14.0
Dutchman R. S.	11J17	7500	2/29	28	7.8	8.8	18.0*
East Portal	11J7	7560	2/27	21	5.2	4.6	11.0*
Hobble Creek Summit	11J22	7300	2/27	32	8.8	5.2	13.4*
Packard Canyon	11J31	6400	2/27	27	6.5	2.6	10.5*
Payson R. S.	11K1	8050	2/27	39	11.2	6.4	15.5*
Rock Bridge	11K2	6750	2/27	36	9.2	2.7	10.7*
Soapstone R. S.	11J25	7800	2/28	28	6.5	7.9	12.0*
South Fork R. S.	11J19	6100	2/27	19	5.6	0.4	7.3*
Strawberry Divide	11J8	8000	2/27	40	10.4	11.2	18.1*
Timpanogos Cave Camp	11J18	5500	2/27	16	4.1	0.0	4.0*
Timpanogos Divide	11J21	8140	2/28	39	15.4	12.2	24.5
Trial Lake	10J8	9800	2/28	46	12.1	16.0	23.4*
JORDAN RIVER & TOOELE VALLEY							
Lamb's Canyon	11J14	6600	2/28	34	7.0	5.1	13.5*
Middle Canyon - Tooele	12J3	7000	2/26	42	11.0	2.0	11.3*
Mill D South Fork	11J10	7400	2/27	42	11.5	8.9	17.2*
Parley's Canyon Smt. x	11J15	7500	2/29	40	11.8	9.1	15.7*

USDA-SCS-PORTLAND, OREG. 1982

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE [a]
UPPER SEVIER RIVER							
(South of Richfield, Utah)							
Big Flat x	12L7	10290	2/25	25	5.8	8.4	15.5*
Box Creek	12L4	9800	2/26	28	5.7	4.9	12.0*
Bryce Canyon	12M8	8000	2/28	7	1.3	0.0	4.5*
Castle Valley	12M13	9700	2/28	25	6.3	4.0	12.0*
Cedar Breaks	12M1	10390	2/26	24	5.8	5.0	19.2*
Duck Creek R.S.	12M4	8560	2/25	14	3.2	0.2	13.5*
Fish Lake	11L3	8700	2/25	14	2.2	T	7.3*
Harris Flat R.S.	12M5	7700	2/25	8	1.6	T	9.0*
Kimberly Mine	12L6	8900	2/24	34	7.5	6.4	14.0*
Long Valley Jct. x	12M6	7500	2/25	0	0.0	0.0	5.9*
Midway Valley	12M2	9800	2/26	33	8.5	5.2	20.1*
Panguitch Lake	12M7	8200	2/28	6	0.8	T	4.5*
Squaw Springs	12L5	9300	2/26	14	3.0	1.7	7.0*
Widtsoe-Escalante Smt.	11M1	9500	2/26	9	2.2	1.9	6.7*
Widtsoe-Escalante #2	11M2	9500	2/26	16	3.2	3.6	8.7*
Widtsoe-Escalante #3	11M3	9500	2/26	18	4.4	6.3	- -
LOWER SEVIER RIVER							
(Including San Pitch River)							
Bear Canyon	12L3	7200	2/27	32	7.2	1.6	9.2*
Beaver Dams	11K13	8000	2/25	33	7.2	7.4	10.1*
Farnsworth Lake	11L1	9900	2/27	48	12.2	10.3	15.1*
G.B.R.C. Headquarters	11K11	8700	2/28	34	9.3	8.5	13.6*
G.B.R.C. Meadows	11K10	10000	2/28	49	12.3	15.0	21.0*
Gooseberry R. S.	11L2	8400	2/27	37	9.0	6.2	9.3*
Gooseberry Reservoir x	11K4	8700	2/29	33	9.9	10.2	16.2*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/29	37	10.4	10.8	17.1*
Mt. Baldy R.S.	11K12	9500	2/25	42	9.3	14.2	19.5*
Pine Creek	12L1	8700	3/2	43	10.3	9.3	13.3*
Rees's Flat	11K36	7300	2/24	30	6.7	4.8	9.4*
Shingle Mill	12L11	6200	2/27	33	7.1	0.6	- -
BEAVER RIVER							
Big Flat	12L7	10000	2/25	25	5.8	8.4	15.5*
Merchant's Valley	12L9	8200	2/25	10	1.9	1.7	9.0*
Otter Lake	12L8	9300	2/25	25	5.2	6.9	13.2*
PAROWAN CREEK							
Ed Ward Flat	12M12	8300	2/24	20	4.0	2.1	7.7*
Yankee Reservoir	12M11	8700	2/24	25	4.5	4.8	9.8*

USDA-SCS-PORTLAND, OREG. 1962

DRAINAGE BASIN and SNOW COURSE NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
COAL CREEK							
Cedar Breaks	12M1	10390	2/26	24	5.8	5.0	19.2*
Midway Valley x	12M2	9800	2/26	33	8.5	5.2	20.1*
Urie Flat	12M10	8450	2/26	10	2.5	0.0	7.8*
Webster Flat	12M3	9200	2/26	26	6.1	2.2	15.6*
ENTERPRISE TO NEW HARMONY DRAINAGES							
Little Grassy Creek	13M4	6100	2/27	1	0.5	0.0	- -
Long Flat	13M2	8000	2/27	8	1.7	1.0	5.7*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	2/18	26	5.2	4.7	- -
Buck Pasture A	10J23	9700	2/26	36	8.0A	7.5A	- -
East Fk. Black's Fk.G.S.	10J21	9300	2/18	29	6.6	5.3	- -
Henry's Fork A	10J24	10200	2/26	37	8.1A	5.9A	- -
Hewinta Guard Station	10J4	9500	2/19	27	5.7	5.7	8.5*
Hickerson Park	9J8	9100	2/26	23	4.5	1.9	- -
Spirit Lake	9J7	10300	2/26	40	8.8	3.8	- -
Steel Creek Park	10J20	9900	2/19	44	9.4	7.5	- -
BRUSH CREEK							
King's Cabin (lower)	9J2	8600	2/25	17	3.2	1.8	8.7*
King's Cabin (upper)	9J1	8730	2/25	22	4.1	3.1	9.9*
DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	2/26	24	5.2A	2.4A	- -
Atwood Basin A	10J27	10250	2/27	27	6.0A	2.5A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	2/27	29	6.4A	2.3A	- -
Daniels-Strawberry Smt.x	11J23	8000	2/27	28	6.2	5.6	14.0
East Portal x	11J7	7560	2/27	21	5.2	4.6	11.0*
Five Point Lake A	10J26	11000	2/27	45	10.8A	9.0A	- -
Indian Canyon	10K1	9100	2/27	17	3.0	5.9	10.7*
Julius Park	9J6	9800	2/28	24	5.2	5.0	- -
Lakefork Basin	10J25	11100	2/27	60	13.8A	N.R.	- -
Lakefork Mountain	10J10	10500	2/29	23	5.5	4.4	10.9*
Lakefork Mountain #2	10J11	8900	2/29	12	2.2	4.0	7.6*
Lakefork Mountain #3	10J12	8100	2/29	8	1.6	3.2	6.4*

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE [a]
DUCHESNE RIVER - Continued							
Mosby Mountain	9J5	9500	2/28	18	3.2	4.9	10.2*
Paradise Park	9J3	10100	2/28	16	3.6	3.6	11.8*
Reynolds Park A	9J10	10400		No Report		N.R.	- -
Soapstone R.S. x	11J25	7800	2/28	28	6.5	7.9	12.0*
Strawberry Divide x	11J8	8000	2/27	40	10.4	11.2	18.1*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*
Windy Park A	9J12	9400	2/26	21	4.0A	2.2A	- -
PRICE RIVER							
Corral	10K5	8200	2/28	11	1.7	1.5	8.0*
Dry Valley Divide	11K8	7800	2/26	20	3.7	3.4	10.7*
Gooseberry Reservoir	11K4	8700	2/29	33	9.9	10.2	16.2*
Grassy Trail Crk-Left Fk.	10K3	7970	2/28	15	2.0	1.6	9.0*
Indian Canyon x	10K1	9100	2/27	17	3.0	5.9	10.7*
Jones Ranch	11K7	7600	2/26	11	1.9	0.0	7.0*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/29	37	10.4	10.8	17.1*
Mud Creek #2	11K33	8300	2/26	23	4.4	5.6	11.5*
Timberline	10K6	9100	2/28	20	3.5	3.7	- -
White River #1	10K2	8600	2/27	28	5.8	5.0	12.2*
White River #2	11K24	7600	2/27	18	3.0	3.0	8.8*
White River #3	11K25	7400	2/27	16	3.0	0.3	8.9*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	2/25	27	6.0	10.6	13.5*
Gooseberry Reservoir	11K4	8700	2/29	33	9.9	10.2	16.2*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/29	37	10.4	10.8	17.1*
Red Pine Ridge	11K28	9400	2/26	33	7.5	8.6	15.3*
Rush Pond	11K38	9800	2/25	24	4.4	8.9	12.4*
Seely Creek R.S.	11K9	10000	2/28	19	6.6	9.8	13.0*
Upper Joe's Valley	11K29	8800	2/26	16	2.9	4.9	8.4*
Wrigley Creek	11K32	9000	2/25	17	2.9	5.5	9.1*
MUDDY RIVER							
Mt. Baldy R.S. x	11K12	9500	2/25	42	9.3	14.2	19.5*
FREMONT RIVER							
Black's Flat-UM Creek	11L4	9250	2/25	21	4.2	3.8	9.0*
Farnsworth Lake x	11L1	9900	2/27	48	12.2	10.3	15.1*
Fish Lake	11L3	8700	2/25	14	2.2	T	7.3*
Johnson Valley	11L6	8850	2/25	15	3.0	1.4	6.5*

DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE [a]
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	2/26	9	2.2	1.9	6.7
Widtsoe-Escalante #2	11M2	9500	2/26	16	3.2	3.6	8.7*
Widtsoe-Escalante #3	11M3	9500	2/26	18	4.4	6.3	- -
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	2/26	24	5.8	5.0	19.2*
Duck Creek R.S.	12M4	8560	2/25	14	3.2	0.2	13.5*
Harris Flat R.S.	12M5	7700	2/25	8	1.6	T	9.0*
Long Valley Jct.	12M6	7500	2/25	0	0.0	0.0	5.9*
Midway Valley x	12M2	9800	2/26	33	8.5	5.2	20.1*
Webster Flat	12M3	9200	2/26	26	6.1	2.2	15.6*
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	2/19	20	3.4	5.4	13.3*
Camp Jackson	9M2	8600	2/19	12	1.9	5.4	12.0*
LaSal Mountain	9L1	8800	2/20	17	2.8	6.2	9.8*
LaSal Mountain (upper)	9L2	9600	2/20	27	5.4	9.7	14.0*

USDA-SCS-PORTLAND, OREG. 1962

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APRIL 1, 1962 TO DATE		
		DATE OF READING	MONTHS PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2 *	8000	2/25	1.97	3.29	11.23	15.05	75
Chalk Creek #3 *	7500	2/25	1.62	- -	9.03	- -	--
Monte Cristo #2	8960	2/26	2.11	- -	15.19	- -	--
Salt River Summit	7900	2/27	1.28	2.69	12.78	15.59	82
Trial Lake *	9800	2/28	1.49	3.69	10.75	19.84	54
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	2/26	1.40	3.06	12.23	18.56	66
Garden City Summit	7600	2/27	1.06	2.50	12.47	14.90	84
Klondike Narrows	7400	2/28	2.06	3.10	16.45	18.55	89
Little Bear (upper)	6850	2/25	- -	- -	11.00	16.42	67
Monte Cristo #2	8960	2/26	2.11	- -	15.19	- -	--
Tony Grove R.S.(SCS)	6250	2/27	1.10	- -	10.47	- -	--
Willow Flat	6100	2/26	1.85	3.19	13.25	19.48	68
OGDEN RIVER							
Ben Lomond(lower)	5850	2/27	0.75	4.22	17.13	22.02	78
Ben Lomond Trail	6000	2/27	0.74	- -	17.75	- -	--
Causey Dam	5500	2/26	0.49	- -	9.24	- -	--
Dry Bread Pond	8230	2/26	1.40	3.06	12.23	18.56	66
Horse Ridge	8260	2/24	- -	- -	14.41	- -	--
Monte Cristo #2*	8960	2/26	2.11	- -	15.19	- -	--
Sagebrush Flat	6300	2/26	0.55	1.98	8.48	12.13	70
WEBER RIVER							
Chalk Creek #2	8000	2/25	1.97	3.29	11.23	15.05	75
Chalk Creek #3	7500	2/25	1.62	- -	9.03	- -	--
Farmington Guard Sta.(1)	7500	2/28	1.24	3.80a	16.12	24.37a	66
Farmington Rice (1)	7000	2/28	1.36	3.69a	15.87	22.21a	71
Horse Ridge	8260	2/24	- -	- -	14.41	- -	--
Lost Creek Reservoir	6125	2/24	- -	- -	5.46	- -	--
Parley's Canyon Smt.	7500	2/29	1.56	3.81	12.90	17.68	73
Silver Lake(Brighton)*(2)	8725	2/29	1.53	4.39a	15.73	23.96a	66
Smith & Morehouse	7600	2/27	1.95	2.90	11.36	15.10	75
Trial Lake *	9800	2/28	1.49	3.69	10.75	19.84	54

(1) Data supplied by U.S.Forest Service (2) Data supplied by U.S.WB

USDA-SCS-PORTLAND, OREG. 1962

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	2/26	1.55	2.23	8.50	13.13	65
Daniels-Strawberry Smt.	8000	2/27	1.70	2.50	9.67	13.60	71
Dutchman R.S.	7500	2/29	- -	- -	11.68	22.35	52
East Portal Ridge	7800	2/27	1.20	- -	9.74	- -	- -
Hobble Creek Smt.	7300	2/27	- -	- -	9.66	13.48	72
Payson R.S.	8050	2/27	2.78	2.31	13.22	14.81	89
Soapstone R.S.	7800	2/28	1.45	2.80	11.54	14.55	79
Strawberry Res.-E. Portal	7606	2/27	0.50	1.09	6.04	7.74	78
Timpanogos Divide	8200	2/28	0.45	4.17a	14.74	23.04a	64
Trial Lake	9800	2/28	1.49	3.69	10.75	19.84	54
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	2/27	2.40	2.84	13.54	14.63	93
Mt. Dell Dam (2)	5500	2/29	0.38	1.82a	7.98	10.97a	73
Parley's Canyon Smt.	7500	2/29	1.56	3.81	12.90	17.68	73
Silver Lake(Brighton)(2)	8725	2/29	1.53	4.39a	15.73	23.96a	66
SEVIER RIVER ABOVE RICHFIELD							
Big Flat *	10290	2/25	0.50	3.50	6.47	14.48	45
Box Creek	9800	2/26	- -	- -	6.80	12.43	55
Castle Valley	9700	2/28	- -	- -	6.68	10.39	64
Cedar Breaks	10390	2/26	0.80	- -	8.20	- -	--
Duck Creek R.S.	8560	2/25	0.95	3.68	8.18	14.43	57
Fish Lake	8700	2/25	- -	0.65	3.90	5.11	76
Kimberly Mine	8900	2/24	- -	- -	11.01	15.73	70
Panguitch Lake	8200	2/28	- -	- -	3.08	5.94	52
Webster Flat *	9200	2/26	0.93	4.40	8.18	15.60	52
Widtsoe-Escalante #3	9500	2/26	0.43	1.66	5.85	9.89	59
Widtsoe R.S.	7600	2/26	0.13	0.59a	2.18	4.14a	53
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	2/25	- -	- -	6.86	11.75	58
Farnsworth Lake	9900	2/27	4.62	3.85	13.00	15.35	85
G.B.R.C. Headquarters(1)	8700	2/28	1.90	2.79a	9.85	14.55a	68
G.B.R.C. Meadows (1)	10000	2/28	2.68	2.84a	12.48	15.14a	82
G.B.R.C. Oaks (1)	7655	2/28	1.21	1.89a	6.64	10.13a	66
Gooseberry R.S. (1)	7800	2/27	2.90	1.45	8.85	9.55	93
Gooseberry Reservoir *	8700	2/29	1.27	2.62	9.45	14.22	66
Mammoth R.S. #2 *	8600	2/29	1.39	2.60	10.12	14.15	72
Mt. Baldy	9500	2/25	- -	- -	8.43	- -	--
Pine Creek	8700	3/2	- -	- -	13.42	19.70	68

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM OCT. 1, TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	2/26	0.25	1.78a	6.14	8.26a	74
Big Flat	10290	2/25	0.50	3.50	6.47	14.48	45
PAROWAN CREEK							
Yankee Reservoir	8700		No Report	- -		9.47	
COAL CREEK							
Cedar Breaks	10390	2/26	0.80	- -	8.20	- -	--
Webster Flat*	9200	2/26	0.93	4.40	8.18	15.60	52
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	2/27	- -	- -	4.80	9.77	49
Long Flat	8000	2/27	- -	- -	4.97	10.25	48
		COLORADO RIVER DRAINAGE					
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	2/18	- -	- -	7.06	- -	--
E.F. Black's Fk. G.S.	9300	2/18	- -	- -	8.33	- -	--
Hewinta G. S.	9500	2/19	- -	- -	8.18	- -	--
Spirit Lake	10300	2/26	- -	- -	9.50	- -	--
BRUSH CREEK							
King's Cabin (upper)	8730	2/25	- -	- -	4.90	11.56	42
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	2/27	1.70	2.50	9.67	13.60	71
East Portal Ridge *	7800	2/27	1.20	- -	9.74	- -	--
Indian Canyon	9100	2/27	0.62	- -	4.30	- -	--
Julius Park	9800	2/28	0.55	2.43	4.87	12.93	38
Lakefork Mountain	10500	2/29	0.45	2.41	6.65	12.26	54
Moon Lake	8150	2/28	0.15	1.01a	3.15	7.72a	41
Paradise Park	10100	2/28	0.50	2.60	5.65	13.60	42
Soapstone R.S.*	7800	2/28	1.45	2.80	11.54	14.55	79
Strawberry Res.-E. Portal*	7606	2/27	0.50	1.09	6.04	7.74	78
Trial Lake*	9800	2/28	1.49	3.69	10.75	19.84	54

(1) Data supplied by U.S Forest Service. (2) Data supplied by U.S WB

USDA-SCS-PORTLAND, OREG. 1962

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PRICE RIVER							
Clear Creek Ridge #2*	8000	2/26	1.55	2.23	8.50	13.13	65
Gooseberry Reservoir	8700	2/29	1.27	2.62	9.45	14.22	66
Indian Canyon	9100	2/27	0.62	- -	4.30	- -	--
Mammoth R.S. #2	8600	2/29	1.39	2.60	10.12	14.15	72
Mud Creek	8300	2/26	0.75	2.37	6.20	13.37	46
White River #1	8600	2/27	- -	- -	6.95	13.11	53
SAN RAFAEL RIVER							
Buck Flat	9400	2/25	1.20	2.53	7.05	13.13	54
G.B.R.C. Meadows *(1)	10000	2/28	2.68	2.84a	12.48	15.14a	82
Gooseberry Reservoir *	8700	2/29	1.27	2.62	9.45	14.22	66
Red Pine Ridge	9400	2/26	1.80	3.75	8.55	16.62	51
Stuart R.S.	7950		No Report	- -		- -	
MUDDY RIVER							
Mt. Baldy R.S.*	9500	2/25	- -	- -	8.43	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	2/25	- -	- -	4.70	9.70	48
Farnsworth Lake*	9900	2/27	4.62	3.85	13.00	15.35	85
Fish Lake	8700	2/25	- -	0.65	3.90	5.11	76
Widtsoe-Escalante #3	9500	2/26	0.43	1.66	5.85	9.89	59
VIRGIN RIVER							
Duck Creek R.S.	8560	2/25	0.95	3.68	8.18	14.43	57
Webster Flat	9200	2/26	0.93	4.40	8.18	15.60	52
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	2/19	- -	- -	6.33	15.75	40
Camp Jackson	8600	2/19	- -	- -	4.85	12.92	38
LaSal Mountain (upper)	9600	2/20	- -	- -	7.25	16.00	45

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" occurs

USDA-SCS-PORTLAND, OREG. 1962

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE.

and

STATE ENGINEER of UTAH

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

AS OF

APR. 1, 1964

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

APRIL 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

Issued by

WAYNE D. CRIDDLE
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

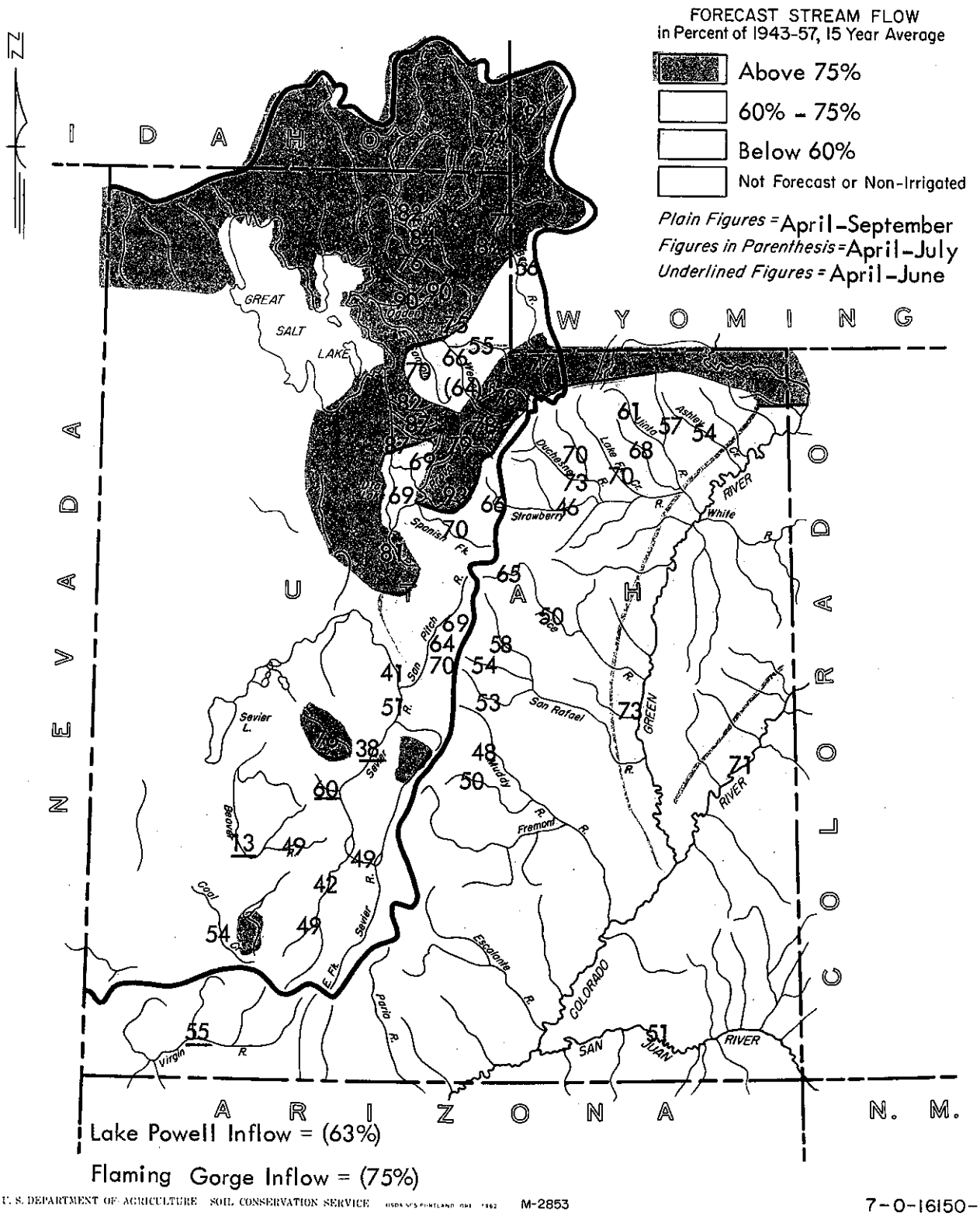
DR. D.W. THORNE
DIRECTOR
UTAH AGRICULTURAL
EXPERIMENT STATION
LOGAN, UTAH

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

April 1, 1964
Approximate Date

50 0 50 100
SCALE IN MILES



U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS PORTLAND, ORE. 1962 M-2853

7-0-16150-L

TO: Recipients of the Utah Snow Survey and Water Supply Forecast Bulletins.

A Summary of all Snow Survey Measurements made in Utah for the years 1924 to 1963 inclusive has been completed. It will replace previous Summaries which have been issued.

If you wish to receive one or more copies of this Summary, you may do so by sending this page to:

Soil Conservation Service
Snow Survey Section
222 South West Temple
Salt Lake City, Utah 84101

Indicate number of copies desired _____

Your name and Address:

_____

_____

_____

_____

WATER SUPPLY OUTLOOK (continued)

The outlook for San Pitch tributary streams from Ephraim to Mt. Pleasant is better than this, with about 65% to 70% of average expected.

On the Beaver river, although the snowpack increase at the Merchant Valley snow course was above average for March, it was less than average for the month at the higher courses. The result is that forecasts here are the same as last month. Streamflow near Beaver is forecast at 49% of average, while inflow to Rockyford reservoir near Minersville is expected to be 13%.

On the Sevier river, flow for both the South Fork at Hatch and of the East Fork near Kingston is expected to be 49% of average. Inflow to the main river from Kingston to Vermillion is forecast at 38%, from Vermillion to Gunnison at 51%.

From 40% to 55% of average flow is expected from Coal Creek near Cedar City, streams near Moab, Monticello and Blanding, the Virgin, Paria, Escalante and Fremont rivers.

While the outlook improved during March for Chalk Creek and the Weber river near Coalville, and for the Bear river at Woodruff, forecasts for these streams are still only 55% to 65% of average.

Improvement on some of the northern streams was very marked. For example, the forecast for Parley's Creek near Salt Lake jumped from 44% expected the first of March to a present outlook of 82%. The reason for this is illustrated by the snow data at the Lamb's Canyon snow course. On March 1 there was only 7.0 inches of water in the snow, while the present reading is 15.0 inches water. Thus the snowpack water more than doubled itself during the one month.

Some other changes in forecasts are as follows, the present forecast percent being listed first with last months forecast in parenthesis: Hobble Creek near Springville 93% (51%); Strawberry reservoir inflow 66% (45%); Utah Lake inflow 69% (50%); Provo at Vivian Park 79% (50%); Weber at Oakley 78% (61%); Pineview reservoir inflow 90% (64%); Little Bear near Paradise 76% (59%); Logan river 82% (77%).

Streams near Farmington and Tooele should yield from 85% to average flows.

The cold temperatures of this winter, and particularly during March, have prevented the normal amount of snowmelt from the lower and middle elevations. The result is that these lower snows are much nearer average than the high snows. In some places the lower snows are actually considerably above average.

The snowpack on the Ogden river illustrates this. At Monte Cristo Ranger Station, elevation 8960 ft., the snowpack is 84% of average, at the Beaver Creek-Skunk Creek snow course - elevation 7150 it is 95%, while down at Sagebrush Flat - elevation 6300 ft. there is 8.8 inches of snow water. This compares with the average of 1.4 inches. On watersheds such as this, a good yield is expected from these lower elevations.

USDA SCS PORTLAND ORES 1963

COLORADO, GREEN AND SAN JUAN RIVERS

Snowfall on the upper Green river in Wyoming was somewhat below average during March, with the result that the forecast April-July inflow to Glaming Gorge reservoir dropped 2% since March 1st, the present outlook being 75%. Other forecasts for the principal gaging stations above Lake Powell have been raised from 1% to 9%.

The April-July inflow to Powell is up 6% since the March 1st forecast. The present forecast is for 5,100,000 acre feet, or 63% of average. Forecasts for other points can be found on page 5.

UTAH STREAMFLOW FORECASTS[a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE[b]	THIS YEAR AS PERCENT OF AVERAGE
GREAT BASIN					
BEAR RIVER SYSTEM					
Bear nr Ut-Wyo. State Line	95	Apr-Sept	90	123	77
Bear near Woodruff	75	Apr-Sept	71	133	56
Woodruff Crk nr Woodruff, Utah	16	Apr-Sept	12.2	19.4*	82
Big Crk nr Randolph, Utah	7.5	Apr-Sept	2.9	9.7*	77
Bear near Randolph	50	Apr-Sept	- -	115	43
Smith's Fork nr Border, Wyo.	112	Apr-Sept	95	119	94
Bear at Harer, Idaho	220	Apr-Sept	140	299	74
Little Bear nr Paradise	35	Apr-Sept	22	46	76
Logan nr Logan (1)	117	Apr-Sept	103	143	82
Blacksmith Fork nr Hyrum (2)	56	Apr-Sept	37	67	84
WEBER-OGDEN RIVERS					
Weber nr Oakley	80	Apr-June	82	107	75
	105	Apr-Sept	102	134	78
Wanship Reservoir Inflow (3)	83	Apr-July	94	130*	64
Weber nr Coalville (4)	95	Apr-Sept	100	143	66
Chalk Crk at Coalville	23	Apr-Sept	19.4	42	55
Lost Crk nr Croydon, Utah	15	Apr-Sept	10.7	19.9	75
East Canyon Crk nr Morgan (5)	20	Apr-Sept	11.8	28.7	70
So. Fork Ogden nr Huntsville	63	Apr-Sept	48	70	90
Pineview Reservoir Inflow (6)	128	Mar-July	93	142	90
PROVO RIVER & UTAH LAKE					
Strawberry Reservoir Inflow (7)	37	Apr-Sept	35	56	66
Spanish Fork at Thistle	30	Apr-Sept	19.4	43	70
Payson Creek nr Payson	6.5	Apr-Sept	- -	8.0*	81
Hobble Crk nr Springville	22	Apr-Sept	12.4	23.7*	93
Provo nr Hailstone (8)	90	Apr-Sept	93	116 *	78
Provo at Vivian Park (9)	125	Apr-Sept	120	159	79
American Fork nr American Fork	25	Apr-Sept	25	36	69
Utah Lake Inflow	220	Apr-Sept	207	317	69
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	34	Apr-Sept	36	39	87
Big Cottonwood nr SLC	35	Apr-Sept	33	40	87
Parley's Crk nr SLC	12	Apr-Sept	7.1	14.7	82

(1) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.

USDA-SCS-PORTLAND, OREG. 1982

UTAH STREAMFLOW FORECASTS[a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE[b]	THIS YEAR AS PERCENT OF AVERAGE
SEVIER RIVER					
Sevier at Hatch	16	Apr-June	16.2	35	46
	24	Apr-Sept	25.0	49	49
Sevier nr Circleville	18	Apr-Sept	18.8	43*	42
Sevier nr Kingston	3.5	Apr-June	2.7	24.6	14
	6	Apr-Sept	4.8	29.7	20
East Fork Sevier nr Kingston (10)	5.0	Apr-June	5.5	17.2	29
	10.5	Apr-Sept	10.2	21.6	49
Sevier below Piute Dam (11)	18	Apr-Sept	14.9	51	35
Clear Crk nr Sevier (abv. Div.)	9.5	Apr-June	4.7	15.9*	60
Inflow					
Kingston to Vermillion Dam	18	Apr-June	- -	47	38
Vermillion Dam to Gunnison	32	Mar-June	- -	63	51
Salina Crk at Salina (12)	2	Apr-June	0.5	9.4*	21
Sevier nr Gunnison a	26	Apr-Sept	24.3	64	41
Chalk Creek nr Fillmore	15.5	Apr-Sept	7.0	20.3	76
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	7	Apr-Sept	6.8	10.2*	69
Twin Crk nr Mt. Pleasant	3.2	Apr-Sept	3.8	5.0*	64
Ephraim Creek nr Ephraim	11	Apr-Sept	- -	15.7	70
BEAR RIVER					
Beaver nr Beaver	11.5	Apr-June	10.6	22.3	52
	14.5	Apr-Sept	14.4	29.4	49
Rockyford Reservoir Inflow (13)	1.2	Apr-June	0.3	9.2	13
COAL CREEK					
Coal Crk nr Cedar City	9	Apr-Sept	8.8	16.6	54
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	25	Apr-Sept	- -	40	62
Ashley Creek nr Vernal	32	Apr-Sept	34	59	54

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.

USDA-SCS-PORTLAND, OREG. 1962

UTAH STREAMFLOW FORECASTS [a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
DUCHESNE RIVER					
Duchesne at Provo River (Trail nr Hanna)	32	Apr-Sept	- -	42*	76
Duchesne nr Tabiona (14)	91	Apr-Sept	98	124	73
Rock Crk nr Mtn.Home	76	Apr-Sept	93	109	70
Strawberry at Duchesne	36	Apr-Sept	42	79	46
Lakefork below Moon Lake (15)	55	Apr-Sept	73	78	70
Yellowstone nr Altonah	54	Apr-Sept	73	79*	68
Uinta nr Neola	62	Apr-Sept	92	101	61
Whiterocks nr Whiterocks	38	Apr-Sept	55	57	57
PRICE RIVER					
Gooseberry Crk nr Scofield	8	Apr-Sept	9.6	12.6	63
Scofield Reservoir Inflow (16)	26	Apr-Sept	26	40	65
Price nr Heiner (16)	35	Apr-Sept	32	70	50
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	34	Apr-Sept	40	59	58
Cottonwood Crk nr Orangeville	32	Apr-Sept	31	59	54
Ferron Crk nr Ferron	23	Apr-Sept	32	43*	53
MUDDY RIVER					
Muddy Creek nr Emery	11	Apr-Sept	14.8	23.1*	48
Ivie Creek abv. Div. nr Emery	0.9	Apr-Sept	- -	1.8*	50
VIRGIN RIVER					
Virgin nr Virgin	24	Apr-June	18.0	44	55
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	2,900	Apr-Sept	1555	4059	71
Flaming Gorge Inflow (17)	970	Apr-July	645	1285	75
Green at Green river, Utah (17)	2,600	Apr-Sept	1835	3540	73
San Juan nr Bluff, Utah (18)	630	Apr-Sept	565	1226	51
Lake Powell Inflow (a)	5,100	Apr-July	3679	8100	63

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

GENERAL FOOTNOTES

*(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. *Partly estimated.*

RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE[a]
GREAT BASIN					
Bear River	Bear Lake	1421.0	745.3	777.4	848.8
	Woodruff Narrows	26.5	17.0	18.5	- -
Little Bear	Hyrum	15.3	12.1	15.3	11.8
	Porcupine	11.3	No Report	3.0	- -
Ogden	Pineview	110.0	44.0	69.8	9.7
Weber	Rockport	60.9	25.6	31.9	- -
	Echo	73.9	43.4	45.6	35.7
	East Canyon	28.7	19.9	20.5	17.6
Provo	Deer Creek	149.7	98.8	113.4	84.2
Spanish Fork	Strawberry	270.0	57.0	55.5	137.6
Utah Lake	Utah Lake (b)	1149.0	330.5	317.2	658.0
Sevier River	Otter Creek	52.5	20.9	25.5	36.7
	Piute	74.0	24.8	23.9	54.2
	Sevier Bridge	236.1	55.7	70.0	166.0
Beaver River	Rocky Ford	23.3	8.2	9.9	17.0
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	10.6	16.1	- -
Lake Fork	Moon Lake	35.8	22.0	17.2	15.5
Price River	Scofield	65.8	11.5	19.9	17.9
Green	Flaming Gorge	3789.0*	872.3	108.7	- -
San Juan	Navajo	1709.0*	331.3	149.7	- -
Colorado	Lake Powell	27,000.0*	3002.0	312.0	- -

(a) 1943-57 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

USDA-SCS-PORTLAND, OREG.-1962

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *
Bear River South of Evanston,Wyo.	4	145	85
Smith's Fork - Bear River (Wyo)	4	140	100
Emigration Creek (Idaho)	2	156	103
Strawberry-Mink Creeks (Ida)	3	164	97
Cub River (Ida)	3	334	120
Logan River	6	155	95
Blacksmith Fork-Little Bear	5	169	88
Malad River (Idaho)	2	231	204
Ogden River	5	200	92
Weber River above Echo Dam	8	151	82
Chalk Creek - Coalville	3	257	96
East Canyon Creek	3	171	89
Farmington Creek	2	140	84
Salt Lake Area	4	132	90
Tooele Area	3	242	112
American Fork River	3	175	60
Provo River above Vivian Park	6	128	73
Strawberry Reservoir Valley	3	138	77
Hobble Creek	2	306	100
Spanish Fork River	4	161	86
Mt. Nebo Area	2	288	101
Sevier River above Panguitch	6	228	53
East Fork Sevier River	4	131	59
Clear Creek above Sevier	1	189	87
Salina Creek	2	163	106
Mt. Pleasant Area	3	109	81
Ephraim Area	2	99	75
Manti Area	2	95	78
Mayfield Area	2	82	71
Chicken Creek-Levan	1	147	86
Chalk Creek - Fillmore	2	199	87
Beaver River	3	166	46
Parowan Creek	3	211	80
Coal Creek - Cedar City	4	154	59
Enterprise - New Harmony	1	- -	78
COLORADO RIVER BASIN IN UTAH			
Duchesne River above Tabiona	3	115	72
Strawberry River	4	133	68
Lakefork River	2	96	53
Whiterocks-Uintah Rivers	3	116	40
Ashley - Brush Creeks	4	109	45
Price River	8	137	75
San Rafael Tributaries	7	80	61
Muddy River	2	52	35
Fremont River	4	99	55
Escalante River	2	124	60
Virgin River	4	288	56
LaSal Mtns. near Moab	2	68	48
Blue Mtns. nr Monticello	2	76	43

** Actual or Estimated 1943-57, 15 year Average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Big Park	10G11	8700	4/2	58	19.2	15.4	20.6*
Burts-Miller Ranch	10J6	7900	3/26	26	6.4	3.6	6.1
CCC Camp x	10G7	7500	3/30	45	13.5	8.5	12.3
Hayden Fork	10J7	9300	3/26	59	13.6	11.4	18.3*
Kelly Ranger Station	10G12	8200	4/2	55	17.3	12.7	18.1*
Monte Cristo R.S.	11H12	8960	3/27	82	23.4	19.7	27.9
Piney LaBarge x	10G10	8820	3/29	62	18.4	16.1	20.5
Poison Meadows x	10G6	8500	3/30	76	25.5A	25.7	29.8*
Salt River Summit x	10G8	7900	3/30	54	16.6	11.8	16.1*
Stillwater Camp	10J17	8550	3/26	43	10.1	7.8	13.5*
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1
LOWER BEAR RIVER (Below Harer, Idaho)							
Beaver Crk-Skunk Crk.	11H14	7150	3/27	49	13.0	6.5	13.7*
Christensen Ranch	11G11	5600	3/27	41	10.6	0.0	8.7*
Cub River R.S.	11G12	5400	3/26	42	11.4	0.0	7.4*
Dry Bread Pond x	11H13	8230	3/27	63	16.6	13.4	20.0
Dry Creek Flat	12G4	6350	3/30	31	10.1	0.0	3.7*
Emigration Canyon	11G7	6500	3/27	47	12.2	7.2	10.7*
Emigrant Summit	11G6	7700	3/27	83	23.8	16.8	25.7
Franklin Basin	11G8	8200	3/30	74	25.2	21.1	29.2
Garden City Summit	11H7	7600	3/30	52	16.0	13.1	20.3
Klondike Narrows	11H1	7400	3/30	59	19.6	13.9	20.0*
Little Bear (lower)	11H26	6100	3/25	40	10.6	1.1	9.0*
Little Bear (upper)	11H25	6850	3/25	44	12.0	4.3	12.0*
Monte Cristo R.S.	11H12	8960	3/27	82	23.4	19.7	27.9
Oxford Mountain	12G3	6800	3/30	36	11.1	4.8	8.2*
Slug Creek Divide	11G5	7225	3/31	49	16.1	13.2	16.8
Steep Hollow #1	11H27	8500	3/30	96	32.8	28.2	- -
Steep Hollow #2	11H28	7700	3/30	74	25.6	19.2	- -
Strawberry Creek	11G9	5800	3/25	45	13.1	0.0	12.4*
Strawberry Mink Divide	11G10	6800	3/26	74	21.4	11.5	23.3*
Tony Grove R. S.	11H3	6250	3/30	38	12.2	4.1	10.5*
Willow Flat	11G4	6100	3/26	60	18.1	3.3	15.1*
OGDEN RIVER							
Beaver Crk-Skunk Crk.	11H14	7150	3/27	49	13.0	6.5	13.7*
Ben Lomond (lower)	11H9	5850	3/26	62	17.2	4.0	15.0*
Ben Lomond Peak	11H8	8000	3/26	99	30.3	23.5	36.0*
Ben Lomond Trail	11H30	6000	3/26	64	17.7	5.0	- -
Cutler Creek	11H29	6780	3/26	88	26.2	17.2	- -

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

USDA SCS PORTLAND ORE. 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
OGDEN RIVER - Continued							
Dry Bread Pond	11H13	8230	3/27	63	16.6	13.4	20.0
Horse Ridge	11H21	8260	3/24	63	19.0	17.1	- -
Monte Cristo R. S.	11H12	8960	3/27	82	23.4	19.7	27.9
Sagebrush Flat	11H15	6300	3/27	34	8.8	T	1.4*
WEBER RIVER							
Beaver Creek R. S.	11J24	7500	3/30	28	8.6	4.7	9.3*
Chalk Creek #1	11J1	9100	3/27	79	19.2	18.1	25.7*
Chalk Creek #2	11J2	8000	3/27	57	14.0	10.5	16.2*
Chalk Creek #3	11J3	7500	3/27	41	9.6	1.8	7.6*
Farmington Canyon(lower)	11J12	6950	3/30	67	21.3	13.2	24.6*
Farmington Canyon(upper)	11J11	8000	3/30	77	23.8	20.2	28.6*
Horse Ridge	11H21	8260	3/24	63	19.0	17.1	- -
Kilfore Creek	11H31	7300	3/24	46	11.9	10.6	- -
Lamb's Canyon x	11J14	6600	3/27	62	15.0	6.8	15.6
Lost Creek Reservoir	11H32	6125	3/24	20	5.2	0.0	- -
Parley's Canyon Smt.	11J15	7500	3/28	68	18.6	11.2	19.0
Redden Mine(lower)	11J6	8500	3/31	47	15.0	12.3	21.0
Redden Mine(upper)	11J5	9000	3/31	53	16.8	12.9	22.1
Silver Lake x	11J16	8725	3/30	70	21.2	16.8	28.7
Smith & Morehouse	11J4	7600	3/28	48	12.2	7.8	14.1
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	3/31	34	10.6	3.5	18.3
Clear Creek Ridge #1	11K21	9200	3/25	58	15.3	12.1	18.9*
Clear Creek Ridge #2	11K22	8000	3/25	46	11.8	5.9	15.0*
Clear Creek Ridge #3	11K23	6600	3/25	25	6.4	0.7	6.7*
Daniels-Strawberry Smt.	11J23	8000	3/30	41	12.0	10.0	16.6
Dutchman R.S.	11J17	7500	3/31	39	12.3	11.4	20.2
East Portal	11J7	7560	3/30	36	10.4	6.2	13.1
Hobble Creek Summit	11J22	7300	3/27	54	14.3	6.2	14.8
Packard Canyon	11J31	6400	3/26	45	10.7	2.8	10.5*
Payson R.S.	11K1	8050	3/25	57	16.8	10.6	19.1*
Rock Bridge	11K2	6750	3/25	51	15.1	3.6	13.3*
Soapstone R. S.	11J25	7800	3/30	38	10.9	8.9	14.0
South Fork R. S.	11J19	6100	3/31	14	5.3	0.0	4.8
Strawberry Divide	11J8	8000	3/30	59	17.8	14.1	22.1
Timpanogos Cave Camp	11J18	5500	3/31	15	5.3	0.0	2.2
Timpanogos Divide	11J21	8140	3/31	50	16.8	14.6	28.0
Trial Lake	10J8	9800	3/30	65	19.5	18.8	29.1

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
JORDAN RIVER & TOOELE VALLEY							
Bevan's Cabin	12J2	6450	3/27	54	14.0	1.4	12.4*
Lamb's Canyon	11J14	6600	3/27	62	15.0	6.8	15.6
Middle Canyon - Tooele	12J3	7000	3/26	59	17.6	5.2	13.5*
Mill D South Fork	11J10	7400	3/30	60	18.8	12.8	20.8
Parley's Canyon Smt. x	11J15	7500	3/28	68	18.6	11.2	19.0
Rocky Basin-Setlment Cyn.	12J1	8900	3/27	88	22.6	15.4	24.4*
Silver Lake	11J16	8725	3/30	70	21.2	16.8	28.7
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	3/28	40	9.6	11.2	20.0
Box Creek	12L4	9800	3/27	40	10.0	6.9	15.0*
Bryce Canyon	12M8	8000	3/30	9	2.4	0.0	4.0
Castle Valley	12M13	9700	3/30	35	10.0	7.0	14.0*
Cedar Breaks	12M1	10390	3/30	42	10.7	9.6	24.0
Duck Creek R.S.	12M4	8560	3/27	33	8.2	1.6	15.9
Fish Lake	11L3	8700	4/2	18	3.8	T	8.3
Harris Flat R. S.	12M5	7700	3/27	21	5.0	T	8.5
Kimberly Mine	12L6	8900	3/26	56	15.1	8.0	17.4
Long Valley Jct. x	12M6	7500	3/27	6	1.4	0.0	4.2
Midway Valley	12M2	9800	3/30	52	13.0	8.8	25.2*
Panguitch Lake	12M7	8200	3/30	7	2.0	T	5.1
Squaw Springs	12L5	9300	3/27	22	5.5	3.3	9.2*
Widtsoe-Escalante Smt.	11M1	9500	3/27	20	4.9	3.8	7.5
Widtsoe-Escalante #2	11M2	9500	3/27	25	5.8	4.9	10.4*
Widtsoe-Escalante #3	11M3	9500	3/27	31	6.8	7.6	- -
LOWER SEVIER RIVER (Including San Pitch River)							
Bear Canyon	12L3	7200	4/1	34	9.8	3.9	11.3*
Beaver Dams	11K13	8000	3/26	42	10.4	11.8	12.8*
Farnsworth Lake	11L1	9900	3/30	53	17.9	13.2	18.7*
G.B.R.C. Headquarters	11K11	8700	3/31	43	13.1	12.0	17.2
G.B.R.C. Meadows	11K10	10000	3/31	60	19.3	21.7	26.0
Gooseberry R. S.	11L2	8400	3/30	40	13.5	7.1	11.5
Gooseberry Reservoir x	11K4	8700	3/27	57	16.1	14.4	20.2
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Mammoth R.S.-Ctnwood Crk.	11K3	8800	3/27	62	17.2	15.2	21.3
Middle Fork	11K34	9600	3/25	71	17.4	18.0	24.0*
Mt. Baldy R.S.	11K12	9500	3/26	64	14.9	19.7	24.2*
Pine Creek	12L1	8700	4/2	47	14.3	9.7	16.5*
Rees's Flat	11K36	7300	3/24	43	10.9	7.4	12.7*
Shingle Mill	12L11	6200	4/1	34	10.4	1.8	- -
Thistle Flat	11K35	8500	3/25	54	13.7	14.6	16.5*

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
BEAVER RIVER							
Big Flat	12L7	10000	3/28	40	9.6	11.2	20.0
Merchant's Valley	12L9	8200	3/28	19	4.6	1.5	11.1
Otter Lake	12L8	9300	3/28	38	8.7	8.2	17.3
PAROWAN CREEK							
Ed Ward Flat	12M12	8300	3/25	40	8.2	2.4	7.9*
Yankee Reservoir	12M11	8700	3/25	47	10.1	5.6	11.0*
COAL CREEK							
Cedar Breaks	12M1	10390	3/30	42	10.7	9.6	24.0
Midway Valley x	12M2	9800	3/30	52	13.0	8.8	25.2*
Urie Flat	12M10	8450	3/30	18	5.8	0.4	7.3*
Webster Flat	12M3	9200	3/30	39	11.2	5.5	18.1
ENTERPRISE TO NEW HARMONY DRAINAGES							
Little Grassy Creek	13M4	6100	4/1	0	0.0	0.0	- -
Long Flat	13M2	8000	4/1	16	5.2	0.3	6.4*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH							
(Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	3/24	35	8.1	7.2	- -
Buck Pasture A	10J23	9700	3/30	47	11.5A	10.5A	- -
E.Fk. Black's Fk. G.S.	10J21	9300	3/24	35	9.2	7.6	- -
Henry's Fork A	10J24	10200	3/30	60	14.5A	9.7A	- -
Hewinta Guard Station	10J4	9500	3/25	33	8.3	8.9	10.5
Hickerson Park	9J8	9100	3/24	29	6.3	3.8	- -
Hole-in-the-Rock	10J1	9150	3/26	29	6.4	4.1	6.5
Hole-in-the-Rock G.S.	10J3	8300	3/27	12	2.6	1.2	1.8*
Middle Beaver Creek	10J2	8550	3/26	26	6.1	3.0	5.7*
Spirit Lake	9J7	10300	3/24	52	12.7	5.6	- -
Steel Creek Park	10J20	9900	3/25	52	13.2	11.0	- -
BRUSH CREEK							
King's Cabin(lower)	9J2	8600	3/23	24	5.0	4.2	10.5
King's Cabin(upper)	9J1	8730	3/23	28	6.2	5.8	12.0

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE NAME	NO.	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]
DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	3/30	50	12.0A	5.2A	- -
Atwood Basin A	10J27	10250	3/30	48	10.5A	5.0A	- -
Brown Duck Lake	10J9	10300	Delayed Report			10.4	19.7*
Chepeta-Whiterocks Lakes A	9J9	10300	3/30	26	6.0A	5.8A	- -
Currant Creek	11J32	7800	3/31	22	7.0	5.4	10.0*
Daniels-Strawberry Smt.x	11J23	8000	3/30	41	12.0	10.0	16.6
East Portal x	11J7	7560	3/30	36	10.4	6.2	13.1
Five Point Lake A	10J26	11000	3/30	55	12.5A	11.2A	- -
Indian Canyon	10K1	9100	3/27	33	7.3	7.6	13.1
Jackson Park	10J19	11300	3/19	36	8.0	7.2	15.6*
Julius Park	9J6	9800	3/25	38	8.8	6.4	- -
Lakefork Basin A	10J25	11100	3/30	70	17.0A	N.R.	- -
Lakefork Mountain	10J10	10500	3/26	36	8.1	7.0	13.6
Lakefork Mountain #2	10J11	8900	3/26	22	4.1	5.4	8.8*
Lakefork Mountain #3	10J12	8100	3/26	18	2.5	3.4	6.4*
Mosby Mountain	9J5	9500	3/25	28	5.0	6.0	12.7
Paradise Park	9J3	10100	3/25	26	5.8	4.6	14.5
Reynolds Park A	9J10	10400	No Report			N.R.	- -
Rock Creek	10J18	7900	4/2	15	4.2	2.6	7.2*
Soapstone R.S. x	11J25	7800	3/30	38	10.9	8.9	14.0
Trial Lake x	10J8	9800	3/30	65	19.5	18.8	29.1
White River #1 x	10K2	8600	3/31	36	10.0	6.8	14.9*
Windy Park A	9J12	9400	3/30	51	11.0A	5.0A	- -
PRICE RIVER							
Corral	10K5	8200	4/1	12	3.0	0.0	8.6*
Dry Valley Divide	11K8	7800	3/30	29	8.0	3.1	11.7
Gooseberry Reservoir	11K4	8700	3/27	57	16.1	14.4	20.2
Grassy Trail Crk-Left Fk.	10K3	7970	4/1	17	3.9	2.5	10.1*
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Indian Canyon x	10K1	9100	3/27	33	7.3	7.6	13.1
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	3/27	62	17.2	15.2	21.3
Mud Creek #2	11K33	8300	3/30	41	10.8	8.1	14.2*
Jones Ranch	11K7	7600	3/30	22	5.8	0.5	6.2*
Timberline	10K6	9100	4/1	25	6.3	6.0	- -
White River #1	10K2	8600	3/31	36	10.0	6.8	14.9*
White River #2	11K24	7600	3/31	22	6.2	1.4	9.0*
White River #3	11K25	7400	3/31	23	6.9	0.0	9.1*

USDA-SCS-PORTLAND, OREG. 1962

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	3/26	49	9.9	15.9	16.4*
Gooseberry Reservoir	11K4	8700	3/27	57	16.1	14.4	20.2
Huntington-Horseshoe	11K5	9800	3/27	66	20.0	19.8	24.5
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	3/27	62	17.2	15.2	21.3
Red Pine Ridge	11K28	9400	3/27	57	13.1	13.3	19.1*
Rush Pond	11K38	9800	3/26	37	7.8	12.9	15.1*
Seely Creek R.S.	11K9	10000	3/31	31	10.9	14.8	15.8
Stuart R. S.	11K27	7950	3/28	29	5.1	5.0	8.2*
Switchback	11K26	8600	3/28	52	12.6	10.9	18.3*
Upper Joe's Valley	11K29	8800	3/27	29	5.8	7.7	10.5*
Wrigley Creek	11K32	9000	3/26	29	6.1	8.2	11.0*
MUDDY RIVER							
Black's Fork	11K14	9200	3/20	26	5.8	10.1	16.5*
Dill's Camp	11K15	9200	3/20	24	4.9	10.3	14.0*
Mt. Baldy R.S. x	11K12	9500	3/26	64	14.9	19.7	24.2*
FREMONT RIVER							
Black's Flat-UM Creek	11L4	9250	4/2	27	6.4	6.8	10.3*
Donkey Reservoir	11L5	9800	3/25	25	4.4	5.4	9.0*
Farnsworth Lake x	11L1	9900	3/30	53	17.9	13.2	18.7*
Fish Lake	11L3	8700	4/2	18	3.8	T	8.3
Johnson Valley	11L6	8850	4/2	19	4.8	4.0	8.0*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	3/27	20	4.9	3.8	7.5
Widtsoe-Escalante #2	11M2	9500	3/27	25	5.8	4.9	10.4*
Widtsoe-Escalante #3	11M3	9500	3/27	31	6.8	7.6	- -
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	3/30	42	10.7	9.6	24.0
Duck Creek R.S.	12M4	8560	3/27	33	8.2	1.6	15.9
Harris Flat R.S.	12M5	7700	3/27	21	5.0	T	8.5
Long Valley Jct.	12M6	7500	3/27	6	1.4	0.0	4.2
Midway Valley x	12M2	9800	3/30	52	13.0	8.8	25.2*
Webster Flat	12M3	9200	3/30	39	11.2	5.5	18.1
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	3/24	41	7.6	8.6	14.9
Camp Jackson	9M2	8600	3/24	28	4.9	7.8	13.9*
LaSal Mountain	9L1	8800	3/25	29	5.0	8.4	11.0
LaSal Mountain (upper)	9L2	9600	3/25	48	9.8	12.7	19.0*

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2 *	8000	3/27	4.49	3.30	15.72	18.35	86
Chalk Creek #3 *	7500	3/27	3.90	- -	12.93	- -	--
Monte Cristo #2	8960	3/27	7.88	- -	23.07	- -	--
Salt River Summit	7900	3/30	3.70	3.28	16.48	18.87	87
Stillwater Camp	8550	3/26	- -	- -	11.56	15.00	77
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	3/27	6.40	4.74	18.63	23.30	80
Garden City Summit	7600	3/30	4.47	3.60	16.94	18.57	91
Klondike Narrows	7400	3/30	5.56	4.50	22.01	23.05	95
Little Bear (upper)	6850	3/25	3.91	3.58	14.91	20.00	75
Monte Cristo #2	8960	3/27	7.88	- -	23.07	- -	--
Tony Grove R.S.(SCS)	6250	3/30	4.04	- -	14.51	- -	--
Willow Flat	6100	3/26	4.95	4.79	18.20	24.27	75
OGDEN RIVER							
Ben Lomond(lower)	5850	3/26	5.36	4.62	22.49	26.64	84
Ben Lomond Trail	6000	3/26	5.50	- -	23.25	- -	--
Causey Dam	5500	3/27	3.93	- -	13.17	- -	--
Dry Bread Pond	8230	3/27	6.40	4.74	18.63	23.30	80
Horse Ridge	8260	3/24	5.68	- -	20.09	- -	--
Monte Cristo #2 *	8960	3/27	7.88	- -	23.07	- -	--
Sagebrush Flat	6300	3/27	3.99	3.47	12.47	15.60	80
WEBER RIVER							
Chalk Creek #2	8000	3/27	4.49	3.30	15.72	18.35	86
Chalk Creek #3	7500	3/27	3.90	- -	12.93	- -	--
Farmington Guard Sta.(1)	7500	3/30	7.54	5.95a	23.66	30.32a	78
Farmington Rice (1)	7000	3/30	7.19	5.38a	23.06	27.59a	84
Horse Ridge	8260	3/24	5.68	- -	20.09	- -	--
Lost Creek Reservoir	6125	3/24	2.27	- -	7.73	- -	--
Mt. Dell Dam (2)*	5500	3/31	3.78	2.47a	11.76	13.44a	88
Parley's Canyon Smt.	7500	3/28	7.14	3.40	20.04	21.08	95
Silver Lake(Brighton)*(2)	8725	3/31	7.36	6.15a	23.09	30.11a	77
Smith & Morehouse	7600	3/28	4.63	3.55	15.99	18.65	86
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67

(1) Data supplied by U.S. Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	3/25	3.65	4.00	12.15	17.13	71
Daniels-Strawberry Smt.	8000	3/30	5.30	4.93	14.97	18.53	81
Dutchman R. S.	7500	3/31	3.66	5.27	15.34	27.62	56
East Portal Ridge	7800	3/30	5.35	- -	15.09	- -	--
Hobble Creek Smt.	7300	3/27	4.78	3.64	14.44	17.12	84
Payson R. S.	8050	3/25	4.22	3.24	17.44	18.05	97
Soapstone R. S.	7800	3/30	4.47	3.35	16.01	17.90	89
Strawberry Res.-E.Portal	7606	3/30	2.35	1.69	8.39	9.43	89
Timpanogos Divide	8200	3/31	5.17	5.44a	19.91	28.48a	70
Trial Lake	9800	3/30	5.65	4.72	16.40	24.56	67
JORDAN RIVER & TOOELE VALLEY							
Middie Canyon	7000	3/26	5.58	3.07	19.12	17.70	108
Mt. Dell Dam (2)	5500	3/31	3.78	2.47a	11.76	13.44a	88
Parley's Canyon Smt.	7500	3/28	7.14	3.40	20.04	21.08	95
Silver Lake(Brighton)(2)	8725	3/31	7.36	6.15a	23.09	30.11a	77
SEVIER RIVER ABOVE RICHFIELD							
Big Flat *	10290	3/26	3.68	4.52	10.15	19.00	53
Box Creek	9800	3/27	3.70	3.07	10.50	15.50	68
Castle Valley	9700	3/30	3.98	3.07	10.66	13.46	79
Cedar Breaks	10390	3/30	4.28	- -	12.48	- -	--
Duck Creek R. S.	8560	3/27	4.77	4.09	12.95	18.52	70
Kimberly Mine	8900	3/26	6.30	3.67	17.31	19.40	89
Panguitch Lake	8200	3/30	1.69	1.23	4.77	7.17	67
Webster Flat *	9200	3/30	5.20	4.40	13.38	20.00	67
Widtsoe-Escalante #3	9500	3/27	2.91	2.90	8.76	12.79	68
Widtsoe R. S.	7600	3/27	0.82	1.10a	3.00	5.24	57
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	3/26	2.90	3.18	9.76	14.93	65
Farnsworth Lake	9900	3/30	6.07	3.65	19.07	19.00	100
Fish Lake	8700	4/2	2.45	1.36	6.35	6.47	98
G.B.R.C. Headquarters(1)	8700	3/31	3.31	4.21a	13.16	18.76a	70
G.B.R.C. Meadows(1)	10000	3/31	5.86	4.50a	18.34	19.64a	93
G.B.R.C. Oaks (1)	7655	3/31	3.15	2.97a	9.79	13.10a	75
Gooseberry R.S. (1)	7800	3/30	3.48	2.55	12.33	12.10	102
Gooseberry Reservoir *	8700	3/27	5.15	4.08	14.60	18.30	80
Mammoth R.S. #2*	8600	3/27	5.93	4.00	16.05	18.15	88
Mt. Baldy	9500	3/26	3.55	- -	11.98	- -	--
Pine Creek	8700	4/2	5.81	3.86	19.23	23.56	82
Shingle Mill	6200	4/1	3.95	- -	12.82	---	--

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	3/31	1.95	2.54a	5.35	10.80a	50
Big Flat	10290	3/26	3.68	4.52	10.15	19.00	53
PAROWAN CREEK							
Yankee Reservoir	8700	3/25	4.40	2.96	10.40	12.43	84
COAL CREEK							
Cedar Breaks	10390	3/30	4.28	- -	12.48	- -	--
Webster Flat*	9200	3/30	5.20	4.40	13.38	20.00	67
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	4/1	3.50	3.37	8.30	13.14	63
Long Flat	8000	4/1	4.03	3.84	9.00	14.09	64
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	3/24	2.85	- -	9.91	- -	--
E.Fk. Black's Fk. G.S.	9300	3/24	3.01	- -	11.34	- -	--
Hewinat G.S.	9500	3/25	2.90	- -	11.08	- -	--
Spirit Lake	10300	3/24	3.20	- -	12.70	- -	--
BRUSH CREEK							
King's Cabin(upper)	8730	3/23	1.85	2.00	6.75	13.56	50
DUCHESNE RIVER							
Currant Creek	7800	3/31	- -	- -	10.15	13.34	76
Daniels-Strawberry Smt.*	8000	3/30	5.30	4.93	14.97	18.53	81
East Portal Ridge *	7800	3/30	5.35	- -	15.09	- -	--
Indian Canyon	9100	3/27	3.55	- -	7.85	- -	--
Julius Park	9800	3/25	2.55	2.23	7.42	15.16	49
Lakefork Mountain	10500	3/26	2.80	2.74	9.45	14.40	66
Moon Lake	8150	3/31	1.50	1.35a	4.65	9.07a	51
Paradise Park	10100	3/25	2.65	2.65	8.30	16.25	51
Rock Creek	7900	4/2	4.50	- -	8.45	12.80	66
Soapstone R.S.*	7800	3/30	4.47	3.35	16.01	17.90	89
Strawberry Res.-E.Portal *	7606	3/30	2.35	1.69	8.39	9.43	89
Trial Lake *	9800	3/30	5.65	4.72	16.40	24.56	67
White River #1*	8600	3/31	3.80	3.20	10.75	16.31	66

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PRICE RIVER							
Clear Creek Ridge #2 *	8000	3/25	3.65	4.00	12.15	17.13	71
Gooseberry Reservoir	8700	3/27	5.15	4.08	14.60	18.30	80
Indian Canyon	9100	3/27	3.55	- -	7.85	- -	--
Mammoth R.S.#2	8600	3/27	5.93	4.00	16.05	18.15	88
Mud Creek	8300	3/30	5.50	2.83	11.70	16.20	72
White River #1	8600	3/31	3.80	3.20	10.75	16.31	66
SAN RAFAEL RIVER							
Buck Flat	9400	3/26	3.85	3.87	10.90	17.00	64
G.B.R.C. Meadows *(1)	10000	3/31	5.86	4.50a	18.34	19.64a	93
Gooseberry Reservoir *	8700	3/27	5.15	4.08	14.60	18.30	80
Red Pine Ridge	9400	3/27	5.00	3.38	13.55	20.00	68
Stuart R.S.	7950	3/28	- -	- -	8.20	14.27	57
MUDDY RIVER							
Mt. Baldy R.S. *	9500	3/26	3.55	- -	11.98	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	4/2	3.25	2.30	7.95	12.00	66
Farnsworth Lake *	9900	3/30	6.07	3.65	19.07	19.00	100
Fish Lake	8700	4/2	2.45	1.36	6.35	6.47	98
Widtsoe-Escalante #3	9500	3/27	2.91	2.90	8.76	12.79	68
VIRGIN RIVER							
Duck Creek R.S.	8560	3/27	4.77	4.09	12.95	18.52	70
Webster Flat	9200	3/30	5.20	4.40	13.38	20.00	67
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	3/24	4.45	3.25	10.78	19.00	57
Camp Jackson	8600	3/24	3.05	2.09	7.90	15.01	53
LaSal Mountain(upper)	9600	3/25	4.05	3.00	11.30	19.00	59

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" occurs.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,

and

STATE ENGINEER of UTAH

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

AS OF
MAY 1, 1964

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

MAY 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

USDA-SCS-PORTLAND, OREG. 1963

Issued by

WAYNE D. CRIDDLE
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

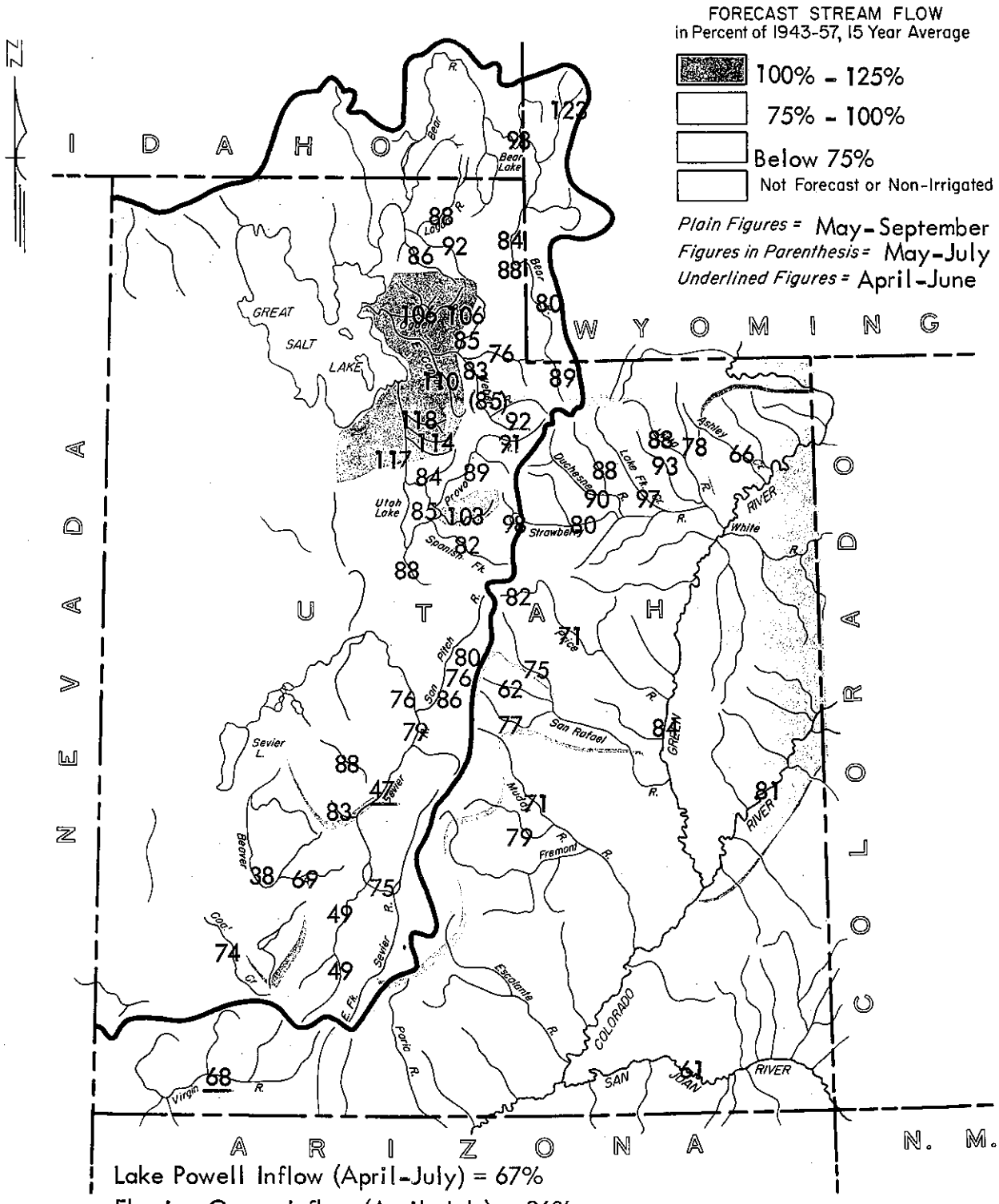
DR. D.W. THORNE
DIRECTOR
UTAH AGRICULTURAL
EXPERIMENT STATION
LOGAN, UTAH

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1964
Approximate Date

50 0 50 100
SCALE IN MILES



Lake Powell Inflow (April-July) = 67%

Flaming Gorge Inflow (April-July) = 86%

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE M-2853

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

May 4, 1964

* *

* The water outlook is generally much improved over last month, as a result of above normal snowfall and below normal temperature during April. The outlook in central and northern areas now varies from "fair" to "excellent". It is still poor on most watersheds of the southwestern and southeastern part of the State. *

* *

April's weather brought marked improvement in the water supply outlook for most areas of the State. Now, forecasts of the May-September streamflow for the majority of the streams in central and northern Utah varies between average and 75% of average.

Streams having the best outlook in the State, with forecasts ranging from average to 20% above average flow, include the Ogden River, East Canyon Creek near Morgan, Hobble Creek near Springville and the streams near Tooele, Farmington and Salt Lake.

Areas where the outlook is still poor - with forecasts ranging from about 50% to 75% of average - include the Upper Sevier River, the Virgin, Beaver, Paria, Escalante, Fremont and Muddy Rivers, Cottonwood Creek near Orangeville, Ashley and Brush Creeks near Vernal and the streams near Moab, Monticello and Blanding.

In southwestern Utah, the outlook for Parowan Creek is much better than surrounding areas. Here, streamflow is expected to be about 95% of average.

Inflow to the Sevier River between Kingston and Vermillion Dam - affecting the Richfield area - is expected to be only 47% of average. The expected inflow between Vermillion Dam and Gunnison for the March-June period is expected to be 79% of average, with most of this coming in the next two months. Inflow to Sevier Bridge Reservoir for the May-September period is forecast at 35,000 acre feet, or 76% of average.

Most forecasts range between about 85% and 95% of average for the Bear River and its tributary streams, the upper Weber, Provo, Uintah Basin streams from the Duchesne to Uinta Rivers, and for streams near Payson and Fillmore. Streams with forecasts ranging between about 75% and 85% of average include the Strawberry, Spanish Fork, San Pitch, Whiterocks and American Fork Rivers, Scofield Reservoir inflow, Huntington and Ferron Creeks, East Fork Sevier near Kingston, Clear Creek near Sevier and streams in the Salina to Gunnison area.

April snowfall varied from about 110% to over 250% of average. This, coupled with the cold temperatures, caused the snowpack to build up during the month at the majority of the snow courses. Ordinarily they show a considerable loss during the month, except at the highest elevations. This delayed snowmelt will have the effect of causing streamflow to hold up longer into the summer months than would otherwise be expected.

UTAH STREAMFLOW FORECASTS [a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
GREAT BASIN					
BEAR RIVER SYSTEM					
Bear nr Ut-Wyo. State Line	103	May-Sept	87	116	89
Bear nr Woodruff	85	May-Sept	62	106	80
Woodruff Crk nr Woodruff, Ut.	14	May-Sept	10.5	16.0*	88
Big Crk nr Randolph, Utah	7	May-Sept	2.4	8.3*	84
Bear nr Randolph	55	May-Sept	31.6	88	62
Smith's Fork nr Border, Wyo.	133	May-Sept	90	108	123
Bear at Harer, Idaho	230	May-Sept	127	235	98
Little Bear nr Paradise	24	May-Sept	16.8	28	86
Logan nr Logan (1)	110	May-Sept	94	125	88
Blacksmith Fork nr Hyrum (2)	47	May-Sept	29.8	51	92
WEBER-OGDEN RIVERS					
Weber nr Oakley	86	May-June	78	96	90
	112	May-Sept	98	122	92
Wanship Reservoir Inflow(3)	94	May-July	85	110*	85
Weber nr Coalville (4)	99	May-Sept	90	119	83
Chalk Crk at Coalville	26	May-Sept	16.7	34	76
Lost Crk nr Croydon, Ut.	12	May-Sept	8.6	14.1	85
East Canyon Crk nr Morgan (5)	20	May-Sept	7.9	18.1	110
So. Fork Ogden nr Huntsville	52	May-Sept	39	49	106
Pineview Reservoir Inflow (6)	82	May-July	61	77	106
PROVO RIVER & UTAH LAKE					
Strawberry Reservoir Inflow (7)	41	May-Sept	26.2	42	98
Spanish Fork at Thistle	28	May-Sept	16.4	34	82
Payson Creek nr Payson	6	May-Sept	- -	6.8*	88
Hobble Crk nr Springville	17	May-Sept	10.2	16.5*	103
Provo nr Hailstone (8)	93	May-Sept	86	102 *	91
Provo at Vivian Park (9)	115	May-Sept	100	129	89
American Fork nr American Fork	27	May-Sept	24.1	32	84
Utah Lake Inflow	200	May-Sept	156	234	85
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	42	May-Sept	35	36	117
Big Cottonwood nr SLC	41	May-Sept	31	36	114
Parley's Crk nr SLC	13	May-Sept	6.1	11	118

(1) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.

UTAH STREAMFLOW FORECASTS[a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE[b]	THIS YEAR AS PERCENT OF AVERAGE
SEVIER RIVER					
Sevier at Hatch	14.5	May-June	12.9	28	52
	22.5	May-Sept	21.6	46	49
Sevier nr Circleville	16.5	May-Sept	15.3	34*	49
Sevier nr Kingston	2.5	May-June	1.7	15.9	16
	5	May-Sept	3.8	20.9	24
East Fork Sevier nr Kingston (10)	5	May-June	3.4	9.1	55
	10	May-Sept	8.0	13.4	75
Sevier below Piute Dam (11)	19	May-Sept	11.4	35	54
Clear Crk nr Sevier(abv. Div.)	10	May-June	4.7	12.1*	83
Inflow					
Kingston to Vermillion Dam	22	Apr-June	- -	47	47
Vermillion Dam to Gunnison	50	Mar-June	- -	63	79
Salina Crk at Salina (12)	7.8	May-June	0.5	8.2*	95
Sevier nr Gunnison a	35	May-Sept	15.4	46	76
Chalk Creek nr Fillmore	14	May-Sept	6.2	16*	88
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	8	May-Sept	6.2	10.0	80
Twin Crk nr Mt. Pleasant	3.8	May-Sept	3.5	5.0	76
Ephraim Crk nr Ephraim	12.8	May-Sept	- -	14.8	86
BEAVER RIVER					
Beaver nr Beaver	13	May-June	9.2	18.9	69
	18	May-Sept	13.0	26	69
Rockyford Reservoir Inflow (13)	3	May-June	0.6	8.0	38
COAL CREEK					
Coal Crk nr Cedar City	10	May-Sept	7.4	13.5	74
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	26	May-Sept	- -	34	76
Ashley Creek nr Vernal	37	May-Sept	33	56	66
DUCHESNE RIVER					
Duchesne at Provo River (Trail nr Hanna)	35	May-Sept	- -	40*	88
Duchesne nr Tabiona (14)	94	May-Sept	91	105	90
Rock Crk nr Mtn. Home	92	May-Sept	90	104	88

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.

USDA-SCS-PORTLAND, OREG. 1962

UTAH STREAMFLOW FORECASTS [a] (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE [b]	THIS YEAR AS PERCENT OF AVERAGE
DUCHESNE RIVER - continued					
Strawberry at Duchesne	52	May-Sept	36	65	80
Lakefork below Moon Lake (15)	72	May-Sept	72	74	97
Uinta nr Neola	84	May-Sept	88	96	88
Whiterocks nr Whiterocks	50	May-Sept	53	64	78
Yellowstone nr Altonah	70	May-Sept	71	75	93
PRICE RIVER					
Gooseberry Crk nr Scofield	9.5	May-Sept	9.4	11.4	83
Scofield Reservoir Inflow (16)	28	May-Sept	22.8	34	82
Price nr Heiner (16)	40	May-Sept	27.0	56	71
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	40	May-Sept	37	53	75
Cottonwood Crk nr Orangeville	35	May-Sept	29.2	56	62
Ferron Crk nr Ferron	30	May-Sept	31.3	39*	77
MUDDY RIVER					
Muddy Creek nr Emery	15	May-Sept	13.8	21.0*	71
Ivie Creek abv. Div. nr Emery	1.2	May-Sept	- -	1.5*	79
VIRGIN RIVER					
Virgin at Virgin	30	Apr-June	18.0	44	68
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	2,900	May-Sept	1310	3602	81
Flaming Gorge Inflow (17)	1,100	Apr-July	645	1285	86
Green at Green River, Utah (17)	2,590	May-Sept	1624	3080	84
San Juan nr Bluff, Utah (18)	640	May-Sept	434	1044	61
Lake Powell Inflow (a)	5,400	Apr-July	3679	8100	67

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

GENERAL FOOTNOTES

*(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. *Partly estimated.*

RESERVOIR STORAGE (1,000 Ac. Ft.)

May 1, 1964

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH) THIS YEAR	LAST YEAR	AVERAGE[a]
		GREAT BASIN			
Bear River	Bear Lake	1421.0	802.9	804.2	921.5
	Woodruff Narrows	26.5	26.2	25.5	- -
Little Bear	Hyrum	15.3	15.3	15.3	14.6
	Porcupine	11.3	- -	6.5	- -
Ogden	Pineview	110.0	60.3	94.1	29.3
Weber	Rockport	60.9	35.1	34.7	- -
	Echo	73.9	53.5	55.2	54.8
	East Canyon	28.7	25.0	24.0	23.8
Provo	Deer Creek	149.7	102.3	120.3	94.9
Spanish Fork	Strawberry	270.0	64.1	64.1	150.1
Utah Lake	Utah Lake (b)	1149.0	395.2	348.4	691.1
Sevier River	Otter Creek	52.5	24.5	25.4	41.4
	Piute	74.0	23.7	17.5	53.1
	Sevier Bridge	236.1	65.6	73.3	169.2
Beaver River	Rocky Ford	23.3	8.5	9.3	17.0
		COLORADO RIVER DRAINAGE			
Ashley Creek	Steinaker	33.3	11.5	16.6	- -
Lake Fork	Moon Lake	35.8	22.9	18.7	15.5
Price River	Scofield	65.8	15.2	21.9	23.9
Green	Flaming Gorge	3789.0*	945.3	165.3	- -
San Juan	Navajo	1709.0*	372.6	217.0	- -
Colorado	Lake Powell	27,000.0	2,656.0	697.0	- -

All data contained in this table supplied by the U.S. Geological Survey

* - Total capacity reported

(a) 1943-57 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

USDA-SCS-PORTLAND, OREG. 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]

GREAT BASIN DRAINAGE

UPPER BEAR RIVER
(Above Harer, Idaho)

Big Park	10G11	8700	4/27	68	21.2	20.6	20.1b
Burts-Miller Ranch	10J6	7900	5/1	7	2.8	0.0	0.5b
CCC Camp x	10G7	7500	4/27	37	12.3	7.8	6.0*
Hayden Fork	10J7	9300	5/1	50	18.0	17.6	14.6b
Kelly Ranger Station	10G12	8200	4/27	61	19.4	16.3	16.0b
Monte Cristo R. S.	11H12	8960	4/28	73	27.1	27.3	24.8b
Piney LaBarge x	10G10	8820	4/28	54	19.1	20.0	15.2*
Poison Meadows x	10G6	8500	4/28	91	31.0	30.7	31.2b
Salt River Summit x	10G8	7900	4/27	46	16.3	14.2	10.8*
Stillwater Camp	10J17	8550	5/1	29	11.2	8.0	5.5b
Trial Lake x	10J8	9800	4/29	75	24.9	28.2	28.7b

LOWER BEAR RIVER
(Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	4/28	22	8.6	3.1	3.1b
Dry Bread Pond x	11H13	8230	4/28	48	18.0	19.5	13.6b
Emigrant Summit	11G6	7700	4/29	59	24.6	16.8	- -
Garden City Summit	11H7	7600	4/30	43	16.2	15.8	13.5b
Klondike Narrows	11H1	7400	4/30	38	17.3	13.8	13.0b
Little Bear(lower)	11H26	6100	4/28	0	0.0	0.0	0.1b
Little Bear(upper)	11H25	6850	4/28	11	5.3	0.9	0.9b
Monte Cristo R. S.	11H12	8960	4/28	73	27.1	27.3	24.8b
Oxford Mountain	12G3	6800		No Report		0.9	- -
Steep Hollow #1	11H27	8500	4/30	92	37.2	33.8	31.4b
Steep Hollow #2	11H28	7700	4/30	57	24.9	24.0	16.8b
Strawberry Creek	11G9	5800	5/1	12	5.3	0.0	1.7*
Strawberry Mink Divide	11G10	6800	5/4	40	16.6	12.3	15.0*
Tony Grove R. S.	11H3	6250	4/30	3	1.4	0.3	0.4b
Willow Flat	11G4	6100	5/1	14	6.2	0.0	3.0*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	4/28	22	8.6	3.1	3.1b
Ben Lomond(lower)	11H9	5850	4/29	18	8.9	2.2	3.0b
Ben Lomond Peak	11H8	8000	4/29	80	33.6	34.3	30.5b
Ben Lomond Trail	11H30	6000	4/29	18	7.4	2.2	- -
Cutler Creek	11H29	6780	4/29	55	24.8	22.2	- -
Dry Bread Pond	11H13	8230	4/28	48	18.0	19.5	13.6b
Horse Ridge	11H21	8260	4/27	62	22.6	22.0	- -
Monte Cristo R.S.	11H12	8960	4/28	73	27.1	27.3	24.8
Sagebrush Flat	11H15	6300	4/28	0	0.0	0.0	0.0

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE NAME	NO.	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	4/29	8	3.0	2.4	0.9b
Chalk Creek #1	11J1	9100	4/27	73	23.8	30.2	23.7b
Chalk Creek #2	11J2	8000	4/27	52	16.2	15.5	11.1b
Chalk Creek #3	11J3	7500	4/27	24	6.5	2.7	1.3b
Farmington Canyon(lower)	11J12	6950	5/1	56	24.5	20.6	19.6b
Farmington Canyon(upper)	11J11	8000	5/1	76	28.7	29.9	28.9b
Horse Ridge	11H21	8260	4/27	62	22.6	22.0	- -
Kilfore Creek	11H31	7300	4/27	34	11.1	10.8	- -
Lamb's Canyon x	11J14	6600	4/29	32	12.0	7.8	5.7b
Lost Creek Reservoir	11H32	6125	4/27	0	0.0	0.0	- -
Parley's Canyon Smt.	11J15	7500	5/2	58	19.1	14.1	10.2b
Redden Mine(lower)	11J6	8500	4/30	44	17.5	17.8	15.1b
Redden Mine(upper)	11J5	9000	4/30	52	20.0	20.0	17.0b
Silver Lake x	11J16	8725	4/27	77	26.2	26.8	24.9b
Smith & Morehouse	11J4	7600	4/28	32	12.1	7.1	5.0b
Trial Lake x	10J8	9800	4/29	75	24.9	28.2	28.7b
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	4/29	19	8.4	5.0	5.4b
Clear Creek Ridge #1	11K21	9200	4/28	47	17.6	15.4	15.2b
Clear Creek Ridge #2	11K22	8000	4/28	30	10.0	5.0	7.4b
Clear Creek Ridge #3	11K23	6600	4/28	0	0.0	0.0	0.1b
Daniels-Strawberry Smt.	11J23	8000	4/27	33	11.7	9.8	7.5b
Dutchman R.S.	11J17	7500	4/29	27	12.1	12.4	7.3b
Hobble Creek Summit	11J22	7300	4/27	30	11.8	5.6	4.4b
Packard Canyon	11J31	6400	4/27	11	4.1	1.9	0.6b
Payson R. S.	11K1	8050	4/27	41	15.6	11.4	11.2b
Rock Bridge	11K2	6750	4/27	25	9.8	2.9	3.8b
Soapstone R.S.	11J25	7800	4/29	28	11.1	8.4	4.3b
Timpanogos Divide	11J21	8140	4/29	48	18.9	21.0	18.7
Trial Lake	10J8	9800	4/29	75	24.9	28.2	28.7b
JORDAN RIVER & TOOELE VALLEY							
Bevan's Cabin	12J2	6450	4/30	18	7.4	1.8	1.5b
Lamb's Canyon	11J14	6600	4/29	32	12.0	7.8	5.7b
Middle Canyon-Tooele	12J3	7000	4/28	40	16.3	4.2	5.3b
Mill D South Fork	11J10	7400	4/27	61	21.3	17.4	11.4b
Parley's Canyon Smt.x	11J15	7500	5/2	58	19.1	14.1	10.2b
Rocky Basin-Setlmt.Cyn.	12J1	8900	4/30	70	27.4	23.2	23.2b
Silver Lake	11J16	8725	4/27	77	26.2	26.8	24.9b

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE NAME	NO.	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	4/27	51	16.0	14.2	19.2b
Box Creek	12L4	9800	4/28	29	10.2	7.9	10.1b
Castle Valley	12M13	9700	4/28	20	7.2	6.6	5.6b
Cedar Breaks	12M1	10390	4/28	45	16.3	16.8	17.0b
Duck Creek R. S.	12M4	8560	4/27	17	6.8	2.0	4.3b
Fish Lake	11L3	8700	4/27	2	0.7	0.0	2.3b
Harris Flat R.S.	12M5	7700	4/27	0	0.0	0.0	0.4b
Kimberly Mine	12L6	8900	4/27	44	16.7	8.8	12.5b
Midway Valley	12M2	9800	4/28	48	17.6	16.8	18.8b
Panguitch Lake	12M7	8200	4/29	0	0.0	0.0	0.0b
Squaw Springs	12L5	9300	4/28	8	2.7	0.8	2.5b
Widtsoe-Escalante Smt.	11M1	9500	4/30	9	3.3	2.0	1.9b
Widtsoe-Escalante #2	11M2	9500	4/30	19	6.6	6.0	4.8b
Widtsoe-Escalante #3	11M3	9500	4/30	24	8.5	9.9	6.3b
LOWER SEVIER RIVER (Including San Pitch River)							
Beaver Dams	11K13	8000	4/27	26	9.6	8.1	5.8b
Farnsworth Lake	11L1	9900	4/29	55	22.1	15.9	18.4b
G.B.R.C. Headquarters	11K11	8700	4/30	40	16.2	14.3	14.3b
G.B.R.C. Meadows	11K10	10000	4/30	66	25.2	29.7	27.3b
Gooseberry R. S.	11L2	8400	4/29	27	11.3	6.0	6.5b
Gooseberry Reservoir x	11K4	8700	4/28	52	20.0	18.2	17.6b
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	4/28	52	20.4	18.4	17.6b
Mt. Baldy R.S.	11K12	9500	4/27	59	20.0	23.2	23.2b
Pine Creek	12L1	8700	4/29	36	15.4	8.2	11.6b
Shingle Mill	12L11	6200	4/29	11	4.1	0.0	0.3b
BEAVER RIVER							
Big Flat	12L7	10000	4/27	51	16.0	14.2	19.2b
Merchant's Valley	12L9	8200	4/27	10	3.6	1.8	3.1b
Otter Lake	12L8	9300	4/27	36	11.2	9.8	13.5b
PAROWAN CREEK							
Ed Ward Flat	12M12	8300	4/29	9	2.9	0.0	1.0b
Yankee Reservoir	12M11	8700	4/29	23	8.2	2.1	4.8b
COAL CREEK							
Cedar Breaks	12M1	10390	4/28	45	16.3	16.8	17.0b
Midway Valley x	12M2	9800	4/28	48	17.6	16.8	18.8b
Urie Flat	12M10	8450	4/28	0	0.0	0.3	0.8b
Webster Flat	12M3	9200	4/28	32	12.9	7.1	8.7b

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH							
(Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	4/24	40	10.1	8.3	- -
Buck Pasture A	10J23	9700	Delayed Report			15.3A	- -
East Fk.Black's Fk.G.S.	10J21	9300	4/24	44	12.8	8.7	- -
Henry's Fork A	10J24	10200	Delayed Report			9.8A	- -
Hewinta Guard Station	10J4	9500	4/24	45	13.1	10.8	- -
Hickerson Park	9J8	9100	4/24	33	8.8	3.0	- -
Spirit Lake	9J7	10300	4/24	58	17.9	9.8	- -
Steel Creek Park	10J20	9900	4/22	62	17.6	15.0	- -
BRUSH CREEK							
Kings Cabin(lower)	9J2	8600	4/23	19	6.4	4.4	4.5b
Kings Cabin(upper)	9J1	8730	4/23	29	8.5	8.0	6.5b
DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	Delayed Report			11.6A	- -
Atwood Basin A	10J27	10250	Delayed Report			12.8A	- -
Chepeta-Whiterocks Lks A	9J9	10300	Delayed Report			12.5A	- -
Daniels-Strawberry Smt.x	11J23	8000	4/27	33	11.7	9.8	7.5b
Five Point Lake A	10J26	11000	Delayed Report			17.9A	- -
Indian Canyon	10K1	9100	4/28	33	11.7	8.3	7.6b
Julius Park	9J6	9800	4/27	42	12.6	11.4	10.5b
Lakefork Basin	10J25	11100	Delayed Report			17.6A	- -
Lakefork Mountain	10J10	10500	4/28	42	12.9	10.1	10.8b
Lakefork Mountain #2	10J11	8900	4/28	12	4.1	3.4	2.3b
Lakefork Mountain #3	10J12	8100	4/28	3	0.9	0.8	0.3b
Mosby Mountain	9J5	9500	4/27	33	9.0	9.3	8.4b
Paradise Park	9J3	10100	4/27	37	9.9	9.1	11.0b
Reynolds Park A	9J10	10400	Delayed Report			NR	- -
Soapstone R.S. x	11J25	7800	4/29	28	11.1	8.4	4.3b
Trial Lake x	10J8	9800	4/29	75	24.9	28.2	28.7b
White River #1 x	10K2	8600	5/1	35	12.6	8.2	8.1b
Windy Park A	9J12	9400	Delayed Report			10.1A	- -
PRICE RIVER							
Corral	10K5	8200	No Report			0.0	- -
Dry Valley Divide	11K8	7800	4/30	14	5.2	1.4	4.2b
Gooseberry Reservoir	11K4	8700	4/28	52	20.0	18.2	17.6b
Grassy Trail Crk-Left Fk.	10K3	7970	No Report			0.0	- -
Indian Canyon x	10K1	9100	4/28	33	11.7	8.3	7.6b
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	4/28	52	20.4	18.4	17.6b
Mud Creek #2	11K33	8300	4/30	24	8.5	6.4	6.9b
Timberline	10K6	9100	No Report			7.7	- -

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

USDA-SCS-PORTLAND ORES. 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
PRICE RIVER - Continued							
White River #1	10K2	8600	5/1	35	12.6	8.2	8.1b
White River #2	11K24	7600	5/1	7	2.1	0.8	0.8b
White River #3	11K25	7400	5/1	0	0.0	0.0	0.2b
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	4/27	40	13.4	17.1	16.2b
Gooseberry Reservoir	11K4	8700	4/28	52	20.0	18.2	17.6b
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	4/28	52	20.4	18.4	17.6b
Red Pine Ridge	11K28	9400	4/28	38	14.4	14.1	13.8b
Rush Pond	11K38	9800	4/27	31	9.1	11.5	11.3b
Seely Creek R.S.	11K9	10000	4/30	33	12.7	21.2	17.1b
Stuart R. S.	11K27	7950	4/29	Trace	Trace	0.0	1.4b
Switchback	11K26	8600	4/29	38	15.3	12.2	12.2b
Upper Joe's Valley	11K29	8800	4/28	13	3.8	4.4	4.8b
Wrigley Creek	11K32	9000	4/27	20	5.9	7.2	6.0b
MUDDY RIVER							
Mt. Baldy R. S. x	11K12	9500	4/27	59	20.0	23.2	23.2b
FREMONT RIVER							
Black's Flat-U.M. Crk.	11L4	9250	4/27	21	7.6	4.7	8.0b
Farnsworth Lake x	11L1	9900	4/29	55	22.1	15.9	18.4b
Fish Lake	11L3	8700	4/27	2	0.7	0.0	2.3b
Johnson Valley	11L6	8850	4/27	12	4.0	0.0	2.2b
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	4/30	9	3.3	2.0	1.9b
Widtsoe-Escalante #2	11M2	9500	4/30	19	6.6	6.0	4.8b
Widtsoe-Escalante #3	11M3	9500	4/30	24	8.5	9.9	6.3b
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	4/28	45	16.3	16.8	17.0b
Duck Creek R.S.	12M4	8560	4/27	17	6.8	2.0	4.3b
Harris Flat R.S.	12M5	7700	4/27	0	0.0	0.0	0.4b
Midway Valley x	12M2	9800	4/28	48	17.6	16.8	18.8b
Webster Flat	12M3	9200	4/28	32	12.9	7.1	8.7b
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	4/23	16	4.5	0.5	5.0b
Camp Jackson	9M2	8600	4/23	14	3.4	0.6	1.8b
LaSal Mountain	9L1	8800	4/24	15	4.1	0.0	1.1b
LaSal Mountain (upper)	9L2	9600	4/24	35	11.4	5.9	10.0b

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1943-57, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	4/27	4.64	2.58	20.36	20.93	97
Chalk Creek #3*	7500	4/27	3.94	- -	16.87	- -	- -
Monte Cristo #2	8960	4/28	5.81	- -	28.88	- -	- -
Salt River Summit	7900	4/27	2.15	3.30	18.63	22.17	84
Stillwater Camp	8550	5/1	4.76	2.26	16.32	17.26	95
Trial Lake *	9800	4/29	6.40	3.12	22.80	27.68	82
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	4/28	4.62	3.54	23.25	26.84	87
Garden City Summit	7600	4/30	3.22	3.00	20.16	21.50	94
Klondike Narrows	7400	4/30	4.31	3.95	26.32	27.00	97
Little Bear(upper)	6850	4/28	3.63	3.40	18.54	23.40	79
Monte Cristo #2	8960	4/28	5.81	- -	28.88	- -	- -
Tony Grove R.S.(SCS)	6250	4/30	2.88	- -	17.39	- -	- -
Willow Flat	6100	5/1	3.60	3.95	21.80	28.22	77
OGDEN RIVER							
Ben Lomond(lower)	5850	4/29	3.67	3.65	26.16	30.29	86
Ben Lomond Trail	6000	4/29	3.92	- -	27.17	- -	- -
Causey Dam	5500	4/28	2.61	- -	15.78	- -	- -
Dry Bread Pond	8230	4/28	4.62	3.54	23.25	26.84	87
Horse Ridge	8260	4/27	7.55	- -	27.64	- -	- -
Monte Cristo #2 *	8960	4/28	5.81	- -	28.88	- -	- -
Sagebrush Flat	6300	4/28	2.57	2.50	15.04	18.10	83
WEBER RIVER							
Chalk Creek #2	8000	4/27	4.64	2.58	20.36	20.93	97
Chalk Creek #3	7500	4/27	3.94	- -	16.87	- -	- -
Farmington Guard Sta.(1)	7500	No Report		4.85a	- -	35.17a	- -
Farmington Rice (1)	7000	5/1	8.41	4.80a	31.47	32.39a	97
Horse Ridge	8260	4/27	7.55	- -	27.64	- -	- -
Lost Creek Reservoir	6125	4/27	3.04	- -	10.77	- -	- -
Mt. Dell Dam(2)*	5500	4/30	4.85	2.59a	16.61	16.03a	104
Parley's Canyon Smt.	7500	5/2	8.15	3.89	28.19	24.97	113
Silver Lake(Brighton)*(2)	8725	4/30	6.55	4.00a	29.64	34.11a	87
Smith & Morehouse	7600	4/28	4.90	3.10	20.89	21.75	96
Trial Lake *	9800	4/29	6.40	3.12	22.80	27.68	82

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" occurs.

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
PROVO RIVER & UTAH LAKE				a		a	
Clear Creek Ridge #2	8000	4/28	4.02	2.70	16.17	19.83	82
Daniels-Strawberry Smt.	8000	4/27	4.00	2.50	18.97	21.03	90
Dutchman R.S.	7500	4/29	5.85	3.20	21.19	30.82	69
East Portal Ridge	7800	5/1	4.15	- -	19.24	- -	- -
Hobble Creek Smt.	7300	4/27	4.03	3.70	18.47	20.82	89
Payson R. S.	8050	4/27	3.98	3.53	21.42	21.58	99
Soapstone R. S.	7800	4/29	4.70	3.00	20.71	20.90	99
Strawberry Res.-East Portal	7606	5/1	2.65	1.73	11.04	11.16	99
Timpanogos Divide	8200	4/29	5.00	3.05a	24.91	31.53a	79
Trial Lake	9800	4/29	6.40	3.12	22.80	27.68	82
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	4/28	5.20	3.54	24.32	21.24	114
Mt. Dell Dam(2)	5500	4/30	4.85	2.59a	16.61	16.03a	104
Parley's Canyon Smt.	7500	5/2	8.15	3.89	28.19	24.97	113
Silver Lake(Brighton)(2)	8725	4/30	6.55	4.00a	29.64	34.11a	87
SEVIER RIVER ABOVE RICHFIELD							
Big Flat *	10290	4/27	5.62	3.14	15.77	22.14	71
Box Creek	9800	4/28	3.25	3.35	13.75	18.85	73
Castle Valley	9700	4/29	3.97	3.10	14.63	16.56	88
Cedar Breaks	10390	4/28	5.74	- -	18.22	- -	- -
Duck Creek R. S.	8560	4/27	5.43	4.23	18.38	22.75	81
Fish Lake	8700	4/27	1.80	1.53	8.15	8.00	102
Kimberly Mine	8900	4/27	5.60	4.32	22.91	23.72	97
Panguitch Lake	8200	4/29	1.38	2.33	6.15	9.50	65
Webster Flat *	9200	4/28	5.87	4.50	19.25	24.50	79
Widtsoe-Escalante #3	9500	4/30	4.49	2.00	13.25	14.79	90
Widtsoe R. S.	7600	4/30	1.34	0.82a	4.34	6.06a	72
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	4/27	4.00	2.57	13.76	17.50	79
Farnsworth Lake	9900	4/29	5.15	4.00	24.22	23.00	105
G.B.R.C. Headquarters(1)	8700	4/30	5.42	3.80a	18.58	22.56a	82
G.B.R.C. Meadows(1)	10000	4/30	5.15	3.82a	23.49	23.46a	100
G.B.R.C. Oaks(1)	7655	4/30	4.10	2.52a	13.89	15.62a	89
Gooseberry R.S.(1)	7800	4/29	4.12	2.80	16.45	14.90	110
Gooseberry Reservoir *	8700	4/28	4.57	3.15	19.17	21.45	89
Mammoth R.S. #2 *	8600	4/28	5.12	3.12	21.17	21.27	100
Mt. Baldy R.S.	9500	4/27	4.90	- -	16.88	- -	- -
Pine Creek	8700	4/29	6.35	5.57	25.58	29.13	88
Shingle Mill	6200	4/29	4.45	- -	17.27	- -	- -

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943 — 57 AVERAGE	PERCENT OF AVERAGE
BEAVER RIVER				a		a	
Beaver Canyon P.H. (2)	7275	4/30	3.34	2.00a	8.69	12.80a	68
Big Flat	10290	4/27	5.62	3.14	15.77	22.14	71
PAROWAN CREEK							
Yankee Reservoir	8700	4/29	3.90	2.77	14.30	15.20	94
COAL CREEK							
Cedar Breaks	10390	4/28	5.74	- -	18.22	- -	--
Webster Flat *	9200	4/28	5.87	4.50	19.25	24.50	79
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	4/27	2.72	2.70	11.02	15.84	70
Long Flat	8000	5/1	3.55	2.75	12.55	16.84	74
	COLORADO RIVER DRAINAGE						
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	4/24	4.25	- -	14.16	- -	--
E.F. Black;s Fk. G.S.	9300	4/24	4.10	- -	15.44	- -	--
Hewinta G.S.	9500	4/24	4.66	- -	15.74	- -	--
Spirit Lake	10300	4/24	5.70	- -	18.40	- -	--
BRUSH CREEK							
Kings Cabin(upper)	8730	4/23	4.00	2.17	10.75	15.73	68
DUCHESNE RIVER							
Currant Creek	7800	4/29	3.55	1.80	13.70	15.14	90
Daniels-Strawaerry Smt. *	8000	4/27	4.00	2.50	18.97	21.03	90
East Portal Ridge *	7800	5/1	4.15	- -	19.24	- -	--
Indian Canyon	9100	4/28	4.85	- -	12.70	---	--
Julius Park	9800	4/27	4.50	2.20	11.92	17.36	69
Lakefork Mountain	10500	4/28	4.85	2.26	14.30	16.66	86
Moon Lake	8150	4/30	3.10	1.27a	7.75	10.34a	75
Paradise Park	10100	4/27	4.70	2.36	13.00	18.61	70
Rock Creek	7900	4/28	3.90	1.33	12.35	14.13	87
Soapstone R.S. *	7800	4/29	4.70	3.00	20.71	20.90	99
Strawberry Res.-E.Portal*	7606	5/1	2.65	1.73	11.04	11.16	99
Trial Lake*	9800	4/29	6.40	3.12	22.80	27.68	82
White River #1	8600	5/1	5.70	2.11	16.45	18.42	89

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943 — 57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PRICE RIVER							
Clear Creek Ridge #2 *	8000	4/28	4.02	2.70	16.17	19.83	82
Gooseberry Reservoir	8700	4/28	4.57	3.15	19.17	21.45	89
Indian Canyon	9100	4/28	4.85	- -	12.70	- -	--
Mammoth R.S. #2	8600	4/28	5.12	3.12	21.17	21.27	100
Mud Creek	8300	4/30	3.95	2.31	15.65	18.51	85
White River #1	8600	5/1	5.70	2.11	16.45	18.42	89
SAN RAFAEL RIVER							
Buck Flat	9400	4/27	5.05	3.15	15.95	20.15	79
Gooseberry Reservoir *	8700	4/28	4.57	3.15	19.17	21.45	89
Red Pine Ridge	9400	4/28	4.45	3.88	18.00	23.88	75
Stuart R.S.	7950	4/29	2.95	2.27	11.15	16.54	67
MUDDY RIVER							
Mt. Baldy R.S. *	9500	4/27	4.90	- -	16.88	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	4/27	3.45	2.37	11.40	14.37	79
Farnsworth Lake *	9900	4/29	5.15	4.00	24.22	23.00	105
Fish Lake	8700	4/27	1.80	1.53	8.15	8.00	102
Widtsoe-Escalante #3	9500	4/30	4.49	2.00	13.25	14.79	90
VIRGIN RIVER							
Duck Creek R.S.	8560	4/27	5.43	4.23	18.38	22.75	81
Webster Flat	9200	4/28	5.87	4.50	19.25	24.50	79
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	4/23	2.90	4.00	13.68	23.00	59
Camp Jackson	8600	4/23	3.15	3.30	11.05	18.31	60
LaSal Mountain(upper)	9600	4/24	3.55	3.54	14.85	22.54	66

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

USDA-SCS-PORTLAND, OREG. 1962

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE.
and
STATE ENGINEER of UTAH

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

AS OF
JUNE 1, 1964

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

JUNE 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

Issued by

WAYNE D. CRIDDLE
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

DR. D.W. THORNE
DIRECTOR
UTAH AGRICULTURAL
EXPERIMENT STATION
LOGAN, UTAH

WATER SUPPLY OUTLOOK

as of

JUNE 5, 1964

and

Special Measurements

During 1963-64 Season

May's weather brought an improvement in the water outlook for practically all parts of Utah. The mountain raingage network shows that precipitation during the month varied from about average to 185% of average in northern Utah, while in southern sections it ranged from about 120% to 275% of average.

This above normal precipitation, combined with the cool weather experienced during the early part of May, caused the snowpack to continue building up, particularly at the lower elevations. When the warmer weather came during the last half of the month, streams rose much higher than would ordinarily be expected. This was because most of the runoff which usually comes during April and early May from the lower watersheds was delayed and then came along with the runoff from the intermediate elevations during late May. This weather combination has also improved the prospects for late season streamflow.

In addition to the current snow and precipitation readings, this report also contains special snow and soil moisture measurements which were made during the past fall, winter and spring months.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	5/27	2.67	2.59	23.03	23.52	98
Chalk Creek #3*	7500	5/27	1.89	- -	18.76	- -	--
Monte Cristo #2	8960	6/2	4.58	- -	33.46	- -	--
Salt River Summit	7900	6/1	0.60	2.65	19.23	24.82	77
Stillwater Camp	8550	6/1	2.70	2.00	19.02	19.26	99
Trial Lake *	9800	6/1	3.72	2.85	26.52	30.53	87
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	6/2	4.15	3.75	27.40	30.59	90
Garden City Summit	7600	6/3	2.17	2.70	22.33	24.20	92
Klondike Narrows	7400	6/3	2.61	3.20	28.93	30.20	96
Little Bear(upper)	6850	5/27	3.28	3.08	21.82	26.48	82
Monte Cristo #2	8960	6/2	4.58	- -	33.46	- -	--
Tony Grove R.S.(SCS)	6250	5/26	1.91	- -	19.30	- -	--
Willow Flat	6100	6/5	3.70	3.72	25.50	31.94	80
OGDEN RIVER							
Ben Lomond(lower)	5850	5/27	4.17	3.35	30.33	33.64	90
Ben Lomond Trail	6000	5/27	4.40	- -	31.57	- -	--
Causey Dam	5500	6/2	2.86	- -	18.64	- -	--
Dry Bread Pond	8230	6/2	4.15	3.75	27.40	30.59	90
Horse Ridge	8260	5/28	2.70	- -	30.34	- -	--
Monte Cristo #2*	8960	6/2	4.58	- -	33.46	- -	--
Sagebrush Flat	6300	6/2	2.58	- -	17.62	- -	--
WEBER RIVER							
Chalk Creek #2	8000	5/27	2.67	2.59	23.03	23.52	98
Chalk Creek #3	7500	5/27	1.89	- -	18.76	- -	--
Farmington Guard Sta.(1)	7500	6/1	- -	4.33a	37.93	39.50a	96
Farmington Rice (1)	7000	6/1	6.44	4.09a	37.91	36.48a	104
Horse Ridge	8260	5/28	2.70	- -	30.34	- -	--
Lost Creek Reservoir	6125	5/28	1.69	- -	12.46	- -	--
Mt. Dell Dam(2)*	5500	5/31	4.56	2.49a	21.17	18.52a	114
Parley's Canyon Smt.	7500	5/30	2.71	2.77	30.90	27.74	111
Silver Lake(Brighton)*(2)	8725	5/31	4.12	3.27a	33.76	37.38a	90
Smith & Morehouse	7600	6/1	3.19	2.18	24.08	23.93	101
Trial Lake*	9800	6/1	3.72	2.85	26.52	30.53	87

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WeatherBureau
a All values estimated except those where symbol "a" occurs.

USDA SCS PORTLAND ORE. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943–57 AVERAGE	THIS YEAR	1943–57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	5/28	2.82	2.00	18.99	21.83	87
Daniels-Strawberry Smt.	8000	6/1	2.73	1.74	21.70	22.77	95
Dutchman R. S.	7500	5/27	3.52	2.76	24.71	33.58	74
East Portal Ridge	7800	6/1	3.40	- -	22.64	- -	--
Hobble Creek Smt.	7300	5/28	3.83	1.89	22.30	22.71	98
Payson R. S.	8050	5/27	3.15	2.03	24.57	23.61	104
Soapstone R. S.	7800	6/1	3.25	2.10	23.96	23.00	104
Strawberry Res.-E.Portal	7606	6/1	2.10	1.58	13.14	12.74	103
Timpanogos Divide	8200	5/31	4.37	2.60a	29.28	34.13a	86
Trial Lake	9800	6/1	3.72	2.85	26.52	30.53	87
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	Gage emptied		2.36	- -	23.60	--
Mt. Dell Dam (2)	5500	5/31	4.56	2.49a	21.17	18.52a	114
Parley's Canyon Smt.	7500	5/30	2.71	2.77	30.90	27.74	111
Silver Lake(Brighton)(2)	8725	5/31	4.12	3.27a	33.76	37.38a	90
SEVIER RIVER ABOVE RICHFIELD							
Big Flat*	10290	5/27	4.87	2.40	20.64	24.54	84
Box Creek	9800	5/27	2.55	1.90	16.30	20.75	78
Castle Valley	9700	5/26	2.52	1.46	17.15	18.02	95
Cedar Breaks	10390	5/27	3.59	- -	21.81	- -	--
Duck Creek R. S.	8560	5/25	3.60	1.30	21.98	24.05	91
Kimberly Mine	8900	5/28	4.15	2.50	27.06	26.22	103
Panguitch Lake	8200	5/26	1.05	0.74	7.20	10.24	70
Webster Flat*	9200	5/27	4.20	1.55	23.45	26.05	90
Widtsoe-Escalante #3	9500	5/27	3.21	1.77	16.46	16.56	99
Widtsoe R. S.	7600	5/27	1.28	0.75a	5.62	6.81a	83
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	5/26	4.22	2.73	17.98	20.23	89
Farnsworth Lake	9900	5/28	3.98	2.76	28.20	25.76	109
Fish Lake	8700	5/27	2.25	1.51	10.40	9.51	109
G.B.R.C. Headquarters(1)	8700	6/1	4.88	2.62a	23.46	25.18a	93
G.B.R.C. Meadows (1)	10000	6/1	5.36	2.89a	28.85	26.35a	109
G.B.R.C. Oaks (1)	7655	6/1	4.10	2.12a	17.99	17.74a	101
Gooseberry R. S. (1)	7800	5/28	3.23	2.57	19.68	17.47	113
Gooseberry Reservoir*	8700	5/27	3.68	2.54	22.85	23.99	95
Mammoth R.S. #2*	8600	5/27	3.91	2.52	25.08	23.79	105
Mt. Baldy R. S.	9500	5/26	4.64	- -	21.52	- -	--
Pine Creek	8700	5/27	5.55	2.55	31.13	31.68	98
Shingle Mill	6200	5/27	3.55	- -	20.82	- -	--

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943–57 AVERAGE	THIS YEAR	1943–57 AVERAGE	PERCENT OF AVERAGE
				a		a	
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	6/1	2.90	1.60a	11.59	14.40a	80
Big Flat	10290	5/27	4.87	2.40	20.64	24.54	84
PAROWAN CREEK							
Yankee Reservoir	8700	5/26	1.58	1.13	15.88	16.33	97
COAL CREEK							
Cedar Breaks	10390	5/27	3.59	- -	21.81	- -	--
Webster Flat *	9200	5/27	4.20	1.55	23.45	26.05	90
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	5/27	1.78	1.01	12.80	16.85	76
Long Flat	8000	5/28	2.34	1.20	14.89	18.04	82
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH							
(Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	5/26	3.25	- -	17.41	- -	--
E.F. Black's Fork G.S.	9300	5/26	3.27	- -	18.71	- -	--
Hewinta G. S.	9500	5/26	3.00	- -	18.74	---	--
Spirit Lake	10300	5/26	3.65	- -	22.05	- -	--
BRUSH CREEK							
Kings Cabin(upper)	8730	5/26	3.45	2.35	14.20	18.08	78
DUCHESNE RIVER							
Currant Creek	7800	5/28	2.45	1.40	16.15	16.54	98
Daniels-Strawberry Smt.*	8000	6/1	2.73	1.74	21.70	22.77	95
East Portal Ridge*	7800	6/1	3.40	- -	22.64	- -	--
Indian Canyon	9100	5/26	3.20	- -	15.90	- -	--
Julius Park	9800	5/25	2.05	2.90	13.97	20.26	69
Lakefork Mountain	10500	5/27	3.95	2.50	18.25	19.16	95
Moon Lake	8150	5/30	3.40	1.80a	11.15	12.14a	92
Paradise Park	10100	5/25	2.25	3.10	15.25	21.71	70
Rock Creek	7900	5/27	2.45	2.32	14.80	16.45	90
Soapstone R.S.*	7800	6/1	3.25	2.10	23.96	23.00	104
Strawberry Res.-E.Portal*	7606	6/1	2.10	1.58	13.14	12.74	103
Trial Lake*	9800	6/1	3.72	2.85	26.52	30.53	87
White River #1	8600	5/25	2.55	2.28	19.00	20.70	92

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" ossurs.

USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943–57 AVERAGE	THIS YEAR	1943–57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PRICE RIVER							
Clear Creek Ridge #2*	8000	5/28	2.82	2.00	18.99	21.83	87
Gooseberry Reservoir	8700	5/27	3.68	2.54	22.85	23.99	95
Indian Canyon	9100	5/26	3.20	- -	15.90	- -	--
Mammoth R. S. #2	8600	5/27	3.91	2.52	25.08	23.79	105
Mud Creek	8300	5/28	3.50	2.44	19.15	20.95	91
White River #1	8600	5/25	2.55	2.28	19.00	20.70	92
SAN RAFAEL RIVER							
Buck Flat	9400	5/26	4.57	2.10	20.52	22.25	92
G.B.R.C. Meadows* (1)	10000	6/1	5.36	2.89a	28.85	26.35a	109
Gooseberry Reservoir	8700	5/27	3.68	2.54	22.85	23.99	95
Red Pine Ridge	9400	5/27	4.10	2.52	22.10	26.40	84
Stuart R. S.	7950	5/28	2.20	1.95	13.35	18.49	72
MUDDY RIVER							
Mt. Baldy R. S.*	9500	5/26	4.64	- -	21.52	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	5/27	3.15	1.78	14.55	16.15	90
Farnsworth Lake *	9900	5/28	3.98	2.76	28.20	25.76	109
Fish Lake	8700	5/27	2.25	1.51	10.40	9.51	109
Widtsoe-Escalante #3	9500	5/27	3.21	1.77	16.46	16.56	99
VIRGIN RIVER							
Duck Creek R. S.	8560	5/25	3.60	1.30	21.98	24.05	91
Webster Flat	9200	5/27	4.20	1.55	23.45	26.05	90
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	5/28	1.80	1.80	15.48	24.80	62
Camp Jackson	8600	5/28	1.60	1.55	12.65	19.86	64
LaSal Mountain(upper)	9600	5/28	4.30	2.10	19.15	24.64	78

(1) Data supplied by U.S. Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs

USDA SCS PORTLAND ORE. 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
XXXXXXXX							

2 years ago

SUPPLEMENTAL MEASUREMENTS FOR UTAH

JUNE 1, 1964

Big Flat	12L7	10000	5/27	31	11.5	6.5	16.9
Buck Flat	11K31	9400	5/26	6	1.8	- -	- -
Cedar Breaks	12M1	10390	5/27	13	4.0	0.0	5.4
Chalk Creek #1	11J1	9100	5/27	18	7.3	- -	3.8
Farnsworth Lake	11L1	9900	5/28	27	11.6	- -	- -
G.B.R.C. Meadows	11K10	10000	6/1	38	16.9	11.1	19.5
Gooseberry Reservoir	11K4	8700	5/27	3	1.3	- -	- -
Horse Ridge	11H21	8260	5/28	0	0.0	- -	- -
Lakefork Mtn. #1	10J10	10500	5/27	4	1.3	0.0	5.8
Mammoth R.S.-Cntwd.Crk.	11K3	8800	5/27	7	2.6	- -	- -
Midway Valley	12M2	9800	5/27	11	3.6	- -	- -
Monte Cristo R. S.	11H12	8960	5/27	18	7.9	2.8	7.9
Mt. Baldy R. S.	11K12	9500	5/26	34	13.6	9.0	17.7
Otter Lake	12L8	9300	5/27	8	3.1	- -	- -
Paradise Park	9J3	10100	5/25	3	0.7	0.2	5.2
Pine Creek	12L1	8700	5/27	0	0.0	- -	- -
Red Pine Ridge	11K28	9400	5/27	0	0.0	- -	- -
Seely Creek R. S.	11K9	10000	6/1	7	3.4	- -	8.3
Spirit Lake	9J7	10300	5/26	12	4.9	0.0	3.9
Steep Hollow #1	11H27	8500	5/26	51	25.0	9.2	11.6
Steep Hollow #2	11H28	7700	5/26	7	3.3	- -	- -
Trial Lake	10J8	9800	5/28	36	19.5	18.1	25.4

USDA-SCS-PORTLAND, OREG. 1962

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
							XXXXXXXXX XXXXXXXXX

2 years ago

SUPPLEMENTAL MEASUREMENTS FOR UTAH

NOVEMBER 1, 1963

Cedar Breaks	12M1	10390	10/30	0	0.0	- -	- -
Dutchman R. S.	11J17	7500	10/31	Trace	Trace	0.0	- -
Little Grassy Creek	13M4	6100	10/31	0	0.0	- -	- -
Long Flat	13M2	8000	10/31	0	0.0	- -	- -
Parley's Canyon Smt.	11J15	7500	11/2	Trace	Trace	- -	- -
Webster Flat	12M3	9200	10/30	0	0.0	- -	- -
Yankee Reservoir	12M11	8700	11/4	0	0.0	- -	- -

DECEMBER 1, 1963

Beaver Crk-Skunk Crk	11H14	7150	11/25	6	1.0	- -	4.0
Ben Lomond(lower)	11H9	5850	11/25	13	2.5	0.0	6.2
Buck Flat	11K31	9400	11/26	8	1.2	0.0	5.8
Dry Bread Pond	11H13	8230	11/25	10	1.8	1.3	4.6
Fish Lake	11L3	8700	11/27	0	0.0	- -	- -
Garden City Smt.	11H7	7600	11/26	14	3.2	- -	- -
Horse Ridge	11H21	8260	11/27	8	1.7	- -	- -
Kilfore Creek	11H31	7300	11/27	6	1.1	- -	- -
Lakefork Mountain #1	10J10	10500	11/26	13	2.4	- -	- -
Lakefork Mountain #2	10J11	8900	11/26	6	0.9	- -	- -
Lakefork Mountain #3	10J12	8100	11/26	3	0.3	- -	- -
Little Grassy Creek	13M4	6100	12/2	0	0.0	- -	- -
Pine Creek	12L1	8700	11/27	9	2.0	1.3	4.0
Red Pine Ridge	11K28	9400	11/27	6	1.0	0.0	4.8
Rock Creek	10J18	7900	11/27	5	0.8	- -	- -
Sagebrush Flat	11H15	6300	11/25	2	0.2	0.0	- -
Shingle Mill	12L11	6200	11/29	8	1.5	0.8	4.0
Stuart R. S.	11K27	7950	11/27	0	0.0	0.0	2.6

FEBRUARY 1, 1964

Ashley Twin Lakes A	9J11	10500	2/4	27	5.4A	3.8A	- -
Atwood Basin A	10J27	10250	2/4	36	7.2A	2.9A	- -
Buck Pasture A	10J23	9700	2/4	40	8.0A	5.0A	- -
Chepeta-Whiterocks A	9J9	10300	2/4	29	5.8A	4.1A	- -
Five Point Lake A	10J26	11000	2/4	35	7.7A	6.5A	12.8A
Henry's Fork A	10J24	10200	2/4	40	8.0A	- -	- -
Lakefork Basin A	10J25	11100	2/4	40	8.0A	- -	- -
Steel Creek Park A	10J20	9900	2/4	35	7.0A	2.4A	- -
Windy Park A	9J12	9400	2/4	24	3.8A	1.9A	- -

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

USDA-SCS-PORTLAND, OREG 1962

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]
						XXXXXXXXX	2 years ago
MARCH 15, 1964							
Monte Cristo R. S.	11H12	8960	3/18	67	20.7	- -	- -
MAY 15, 1964							
Ashley Twin Lakes A	9J11	10500	5/20	36	12.5A	- -	- -
Atwood Basin A	10J27	10250	5/20	21	7.5A	- -	- -
Brown Duck Lake	10J9	10300	5/19	42	15.0	- -	- -
Buck Pasture A	10J23	9700		No Report		- -	- -
Chepeta-Whiterocks A	9J9	10300	5/20	34	12.0A	- -	- -
Five Point Lake A	10J26	11000	5/20	45	16.2A	- -	- -
Henry's Fork A	10J24	10200	5/20	37	13.0A	- -	- -
Lakefork Basin A	10J25	11100	5/20	85	30.0A	- -	- -
Reynold's ParkA	9J10	10400	5/20	45	16.0A	- -	- -
Steel Creek ParkA	10J20	9900	5/20	44	15.5A	- -	- -
Windy Park A	9J12	9400	5/20	10	3.5A	- -	- -

USDA-SCS-PORTLAND, OREG. 1962

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
OCTOBER 1, 1963							
Mammoth R.S.-Ctnwd. Crk	8800	60	21.9	10/4	10.8	7.6	- -
Mud Creek	8300	72	9.5	10/4	6.1	5.3	- -
White River #1	8600	48	14.4	10/4	5.5	4.8	- -
NOVEMBER 1, 1963							
Beaver Crk-Skunk Crk.	7150	60	29.2	11/6	14.2	12.4	- -
Ben Lomond(lower)	5850	60	22.0	11/6	12.8	10.2	- -
Daniels-Strawberry Smt.	8000	54	26.3	11/14	13.6	- -	- -
Dry Bread Pond	8230	54	18.0	11/6	7.8	7.5	- -
Dutchman R. S.	7560	36	12.0	11/7	6.8	- -	- -
Garden City Summit	7600	66	26.5	10/30	14.2	12.6	- -
Klondike Narrows	7400	54	17.2	10/30	8.3	9.1	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	10/31	10.7	7.8	- -
Mud Creek	8300	72	9.5	10/30	6.4	5.3	- -
Tony Grove R. S.	6250	48	18.0	10/30	8.6	7.9	- -
Timpanogos Divide	8140	60	19.5	11/7	12.6	- -	- -
DECEMBER 1, 1963							
Mammoth R. S.-Ctnwd. Crk.	8800	60	21.9	12/3	10.6	7.9	- -
Mud Creek	8300	72	9.5	11/26	6.2	5.2	- -
White River #1	8600	48	14.4	11/26	6.2	4.6	- -
JANUARY 1, 1964							
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	12/27	10.0	7.8	- -
Mud Creek	8300	72	9.5	12/30	6.0	5.0	- -
FEBRUARY 1, 1964							
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	1/28	10.0	8.8	- -
Mud Creek	8300	72	9.5	1/31	5.9	5.7	- -
MARCH 1, 1964							
Daniels-Strawberry Smt.	8000	54	26.3	2/25	15.3	- -	- -
Garden City Smt.	7600	66	26.5	2/27	15.9	- -	- -
Klondike Narrows	7400	54	17.2	2/28	16.0	8.7	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	2/29	10.0	8.0	- -
Mud Creek	8300	72	9.5	2/26	5.9	5.7	- -
Tony Grove R.S.	6250	48	18.0	2/27	9.9	8.0	- -
White River #1	8600	48	14.4	2/27	6.2	4.6	- -

USDA SCS PORTLAND OREG 1963

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
APRIL 1, 1964							
Beaver Crk.-Skunk Crk.	7150	60	29.2	3/18	15.3	20.0	- -
Ben Lomond(lower)	5850	60	22.0	3/26	16.6	15.2	- -
Daniels-Strawberry Smt.	8000	54	26.3	4/2	15.6	- -	- -
Dry Bread Pond	8230	54	18.0	3/18	9.7	7.9	- -
Dutchman R. S.	7560	36	12.0	3/31	10.3	- -	- -
Garden City Summit	7600	66	26.5	4/3	16.3	12.5	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	3/27	10.0	8.0	- -
Mud Creek	8300	72	9.5	3/30	5.8	5.7	- -
Tony Grove R. S.	6250	48	18.0	4/3	10.5	16.6	- -
Timpanogos Divide	8140	60	19.5	3/31	16.6	- -	- -
White River #1	8600	48	14.4	3/31	6.2	4.6	- -
MAY 1, 1964							
Beaver Crk-Skunk Crk.	7150	60	29.2	4/28	26.7	29.2	- -
Daniels-Strawberry Smt.	8000	54	26.3	4/23	26.3	- -	- -
Dry Bread Pond	8230	54	18.0	4/28	16.7	9.7	- -
Dutchman R. S.	7560	36	12.0	4/29	11.5	- -	- -
Garden City Summit	7600	66	26.5	4/30	25.8	14.4	- -
Klondike Narrows	7400	54	17.2	4/30	17.2	- -	- -
Mammoth R. S.-Ctnwd. Crk	8800	60	21.9	4/28	15.3	12.8	- -
Mud Creek	8300	72	9.5	4/30	6.4	5.4	- -
Tony Grove R. S.	6250	48	18.0	4/30	18.0	17.7	- -
Timpanogos Divide	8140	66	19.5	4/29	17.1	- -	- -
White River #1	8600	48	14.4	5/1	6.2	5.0	- -
JUNE 1, 1964							
Beaver Crk.-Skunk Crk.	7150	60	29.2	5/27	26.2	25.0	- -
Ben Lomond(lower)	5850	60	22.0	5/27	17.6	19.5	- -
Daniels-Strawberry Smt.	8000	54	26.3	5/28	24.3	- -	- -
Dry Bread Pond	8230	54	18.0	5/27	17.2	17.4	- -
Dutchman R. S.	7560	36	12.0	5/26	9.8	- -	- -
Garden City Summit	7600	66	26.5	6/3	24.5	25.4	- -
Klondike Narrows	7400	54	17.2	6/3	14.8	16.1	- -
Mammoth R. S.-Ctnwd. Crk.	8800	60	21.9	5/27	16.7	15.7	- -
Mud Creek	8300	72	9.5	5/28	7.2	5.9	
Tony Grove R.S.	6250	48	18.0	6/3	13.5	- -	- -
Timpanogos Divide	8140	60	19.5	5/26	17.5	- -	- -
White River #1	8600	48	14.4	5/25	10.0	8.1	- -