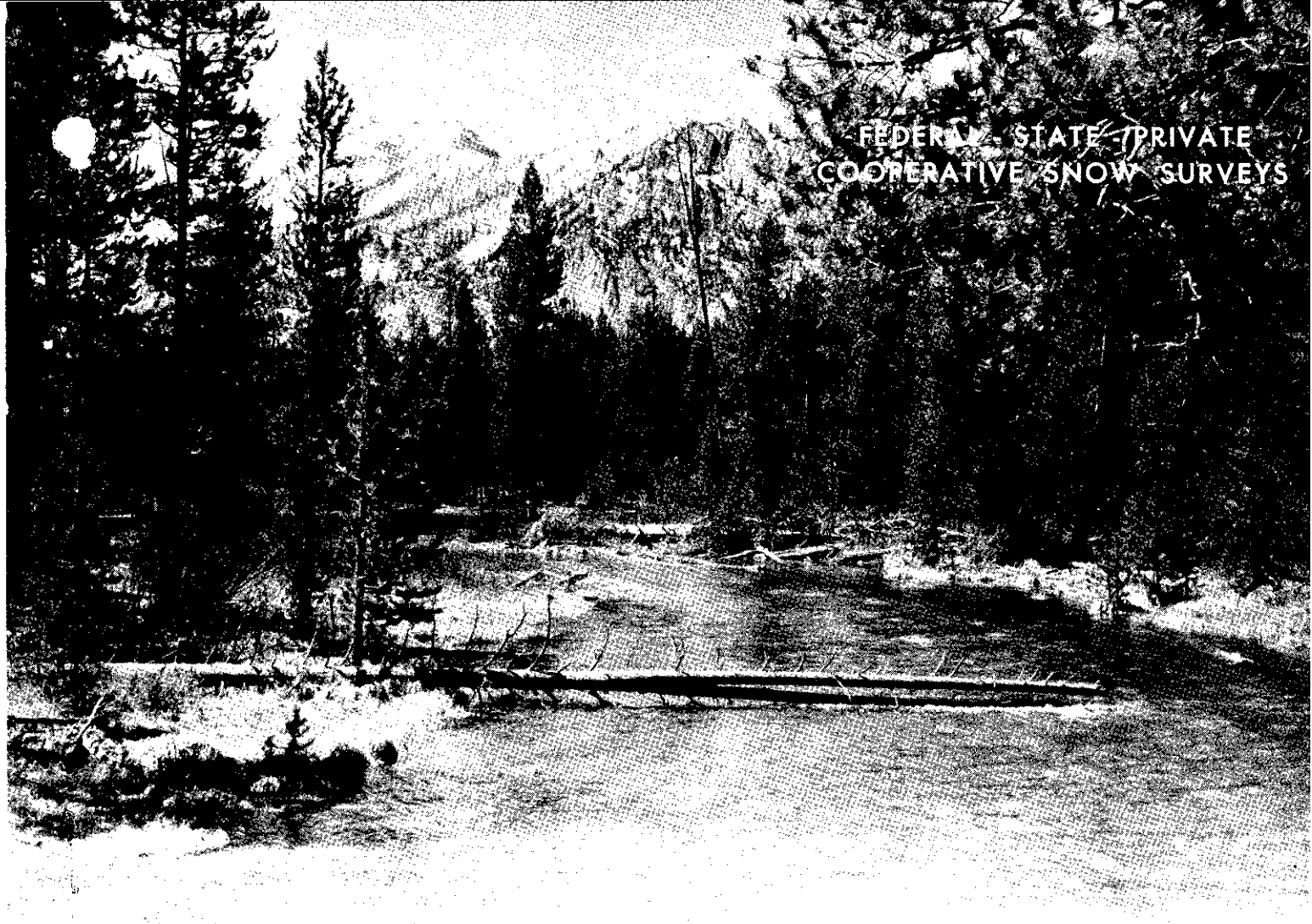


WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

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, 1966

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

JANUARY 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL

and

Patricia Páramore

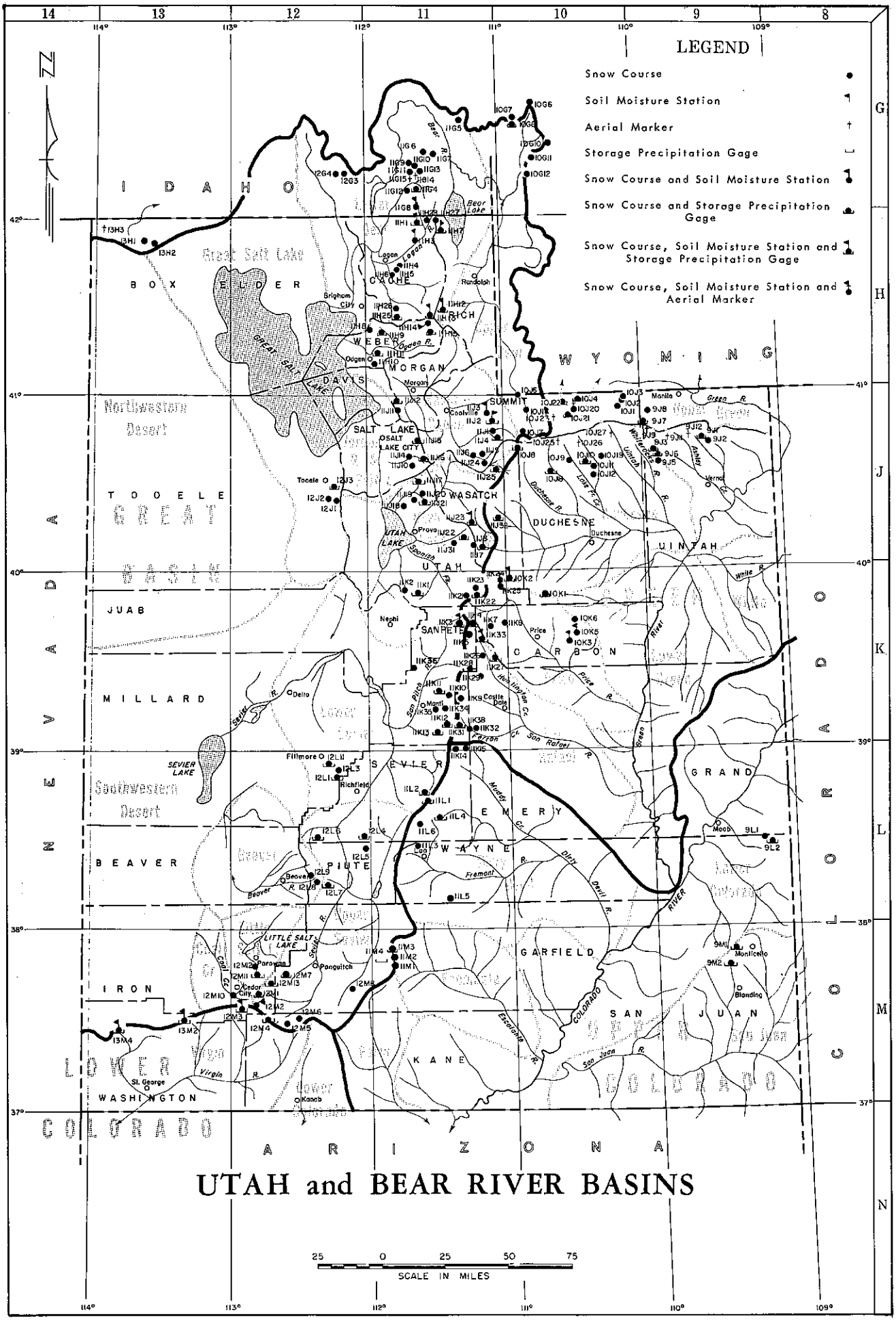
SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY UTAH 84111

USDA-SCS-PORTLAND, OREG. 1965

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

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



UTAH and BEAR RIVER BASINS

U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE ... M-3787

7-0-17386-L

WATER SUPPLY OUTLOOK

as of

JANUARY 4, 1966

* *
* The outlook for next summer's water supply is now good to *
* excellent for much of the state. Forecasts of the April- *
* September runoff for most streams now ranges from about *
* 90% to 110% of the 1948-62 average. Exceptions occur in *
* the southwestern part of the state and in the Uintah Basin *
* where higher streamflow is expected. The Virgin and *
* South Fork Sevier rivers, as well as Coal Creek near *
* Cedar City have prospects of 155% to 170% of average flow. *
* In the Uintah Basin the present snowpack indicates that *
* most streams can be expected to flow at about 125% of av- *
* erage. Present reservoir storage, excluding the Colorado *
* river storage reservoirs, is 60% of reservoir capacity. *
* The 15-year average storage was 49% of capacity. *
* *

In southwestern Utah the snowpack on the watersheds near Cedar Breaks varies from about twice to over three times the average amount for this time of year, and is at or near the average for the first of March. In the Uintah Basin the snowpack varies from about average on the headwaters of the Duchesne to 163% of the usual amount on the Whiterocks river and 194% at the Indian Canyon course between the Strawberry and Price rivers.

In general - and particularly in central and northern Utah - the snowpack is proportionately greater at the higher elevations than at the lower levels. Several examples will illustrate this. Near Salt Lake the snow water at Brighton (elev. 8725 ft.) is 127%, while at Parley's Canyon Summit (elev. 7600 ft.) it is 80% and at Lamb's Canyon (elev.6600 ft.) it is 56%. On the American Fork river the snow water at the Timpanogos Divide course (elev. 8140 ft.) is 135%, while at Camp Altamont (elev. 7300 ft.) it is 89%.

The heavy snowpack in southwestern Utah is confined largely to the watersheds near Cedar Breaks. It decreases on watersheds to the east and north of here, so that forecasts range from about average to 10% above average for the Beaver and East Fork Sevier rivers.

WATER SUPPLY OUTLOOK (continued)

Lowest forecasts in the State are for Salina Creek, the streams near Fillmore, the Muddy and Fremont rivers where about 85% to 90% runoff is currently expected. Inflow to the Sevier river between Kingston and Vermillion Dam is expected to be about 180% of average, with about 12,000 acre feet above 400 cfs. Inflow from Vermillion Dam to Gunnison should be near average. Sevier Bridge inflow should be near 90%.

The soil moisture underlying the snowpack is generally near average or above, base flow of the streams as a carryover effect from last year is up, and reservoir storage as reported by the U. S. Geological Survey is excellent. Everything considered, the outlook for next summer's water supply is good to excellent.

The outlook for all streams other than those mentioned above is that they will yield within 5% of average flow.

Streamflow forecasts are made by considering the present snowpack and related hydrologic factors and assuming that average weather will prevail for the balance of the season. Since in the average year there is still 60% to 65% of the snowpack yet to come, forecasts can change considerably - either up or down - as the season progresses.

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	1206.9	881.1	882.4
	Woodruff Narrows	26.5	19.2	- -	- -
Little Bear	Hyrum	15.3	10.7	8.2	9.2
	Porcupine	11.3	2.8	5.0c	- -
Ogden	Pineview	110.0	78.1	61.4	8.5
Weber	Rockport	59.1	52.5	41.2	15.0**
	Echo	73.9	62.0	42.0	23.9
	East Canyon	28.7	0.4	0.0	11.2
	Willard Bay	215.0	74.8	- -	- -
Provo	Deer Creek	149.7	115.6	115.2	91.8
Spanish Fork	Strawberry	270.0	112.7	59.5	129.9
Utah Lake	Utah Lake (b)	1149.0	664.3	355.9	485.5
Sevier River	Otter Creek	52.5	22.9	11.4	19.7
	Piute	74.0	29.8	16.9	23.9
	Sevier Bridge	236.0	79.2	31.8	79.5
Beaver River	Rocky Ford	23.3	10.2	5.4c	9.1
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	18.5	12.6	- -
Lake Fork	Moon Lake	35.8	30.4	8.2	11.3
Price River	Scofield	65.8	50.9	10.8	17.2
Green	Flaming Gorge	3789.0*	2434.6	1137.6	- -
San Juan	Navajo	1709.0*	415.9	391.9	- -
Colorado	Lake Powell	27000.0*	8765.0	6224.0	- -

* - Total capacity reported

** - 1957-62 Average Contents

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

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated. (d) Total capacity reported.

COMPARISON of SNOW COVER

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)	2	44	80
Logan River	3	59	87
Ogden River	1	52	82
Weber River above Echo Dam	6	43	86
East Canyon Creek	3	48	88
Farmington Creek	2	42	87
Salt Lake Area	4	46	82
Tooele Area	1	55	90
American Fork River	2	74	112
Provo River above Vivian Park	7	56	106
Strawberry Reservoir Valley	3	94	114
Payson Creek	2	36	68
Sevier River above Hatch	3	157	295
East Fork Sevier River	4	112	92
Salina Creek	2	34	73
San Pitch River	5	39	84
Coal Creek-Cedar City	3	162	297
COLORADO RIVER BASIN			
Duchesne-Strawberry Rivers	6	61	123
Whiterocks - Uintah Rivers	3	90	163
Price River	6	56	122
San Rafael River	4	44	83
Escalante River	3	97	70
Virgin River	4	166	290

USDA-SCS-PORTLAND, OREG. 1962

* *Actual or Estimated 1948-62, 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]
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
CCC Camp x	10G7	7500	12/29	16	3.5	8.8	5.1
Salt River Summit*	10G8	7900	12/29	23	5.9	12.4	6.4
Trial Lake*	10J8	9800	12/30	64	10.9	23.4	10.8*
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit	11H7	7600	12/30	40	8.2	14.4	8.1*
Klondike Narrows	11H1	7400	12/30	40	8.0	15.4	8.5*
Tony Grove R.S.	11H3	6250	12/30	27	4.6	6.8	4.8*
OGDEN RIVER							
Ben Lomond Peak	11H8	8000	12/29	32	11.0	21.3	13.5*
Ben Lomond (lower)	11H9	5850	12/29	8	1.2	6.2	6.3*
Ben Lomond Trail	11H30	6000	12/29	10	1.5	8.2	- -
Cutler Creek	11H29	6780	12/29	20	4.9	16.3	- -
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	12/30	20	2.6	7.8	3.4*
Farmington Canyon(l)	11J12	6950	12/30	29	5.2	13.6	8.0*
Farmington Canyon(u)	11J11	8000	12/30	45	10.2	21.3	9.0*
Lamb's Canyon x	11J14	6600	12/29	14	3.0	10.0	5.4*
Parley's Canyon Smt.	11J15	7500	12/30	32	5.6	13.3	7.0*
Silver Lake x	11J16	8725	12/30	57	13.5	18.4	10.6
Smith & Morehouse	11J4	7600	12/29	13	3.5	10.8	4.7*
Trial Lake x	10J8	9800	12/30	64	10.9	23.4	10.8*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	12/30	28	6.2	10.2	7.0
Daniels-Strawberry Smt.	11J23	8000	1/3	36	8.0	10.0	5.4
East Portal	11J7	7560	12/30	27	4.3	7.6	4.1
Payson R.S.	11K1	8050	12/29	22	5.3	11.2	5.9*
Rock Bridge	11K2	6750	12/29	10	1.9	7.2	4.1*
Soapstone R.S.	11J25	7800	12/30	33	5.2	12.8	5.2*
South Fork R.S.	11J19	6100	12/30	3	1.2	1.7	3.8
Strawberry Divide	11J8	8000	12/30	41	6.8	13.3	7.6
Timpanogos Cave Camp	11J18	5500	12/30	Trace	Trace	0.6	1.4
Timpanogos Divide	11J21	8140	12/30	55	14.4	16.5	10.7
Trial Lake	10J8	9800	12/30	64	10.9	23.4	10.8*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG 1964

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 & GREAT SALT LAKE							
Lamb's Canyon	11J14	6600	12/29	14	3.0	10.0	5.4*
Middle Canyon	12J3	7000	1/3	18	4.6	8.4	5.1*
Mill D South Fork	11J10	7400	12/29	29	5.0	13.4	7.5*
Parley's Canyon Smt.x	11J15	7500	12/30	32	5.6	13.3	7.0*
Silver Lake	11J16	8725	12/30	57	13.5	18.4	10.6
UPPER SEVIER RIVER (South of Richfield, Utah)							
Bryce Canyon	12M8	8000	12/29	17	3.6	2.3	2.2*
Duck Creek R.S.	12M4	8560	12/31	41	12.8	7.4	4.0*
Harris Flat	12M5	7700	12/31	21	6.7	4.9	2.0*
Kimberly Mine	12L6	8900	12/30	22	2.2	7.6	6.0*
Long Valley Jct. x	12M6	7500	12/31	Ice	Ice	0.4	1.0*
Midway Valley	12M2	9800	12/28	52	16.0	10.0	7.0*
Widtsoe-Escalante Smt.	11M1	9500	12/29	20	2.6	3.2	3.4
Widtsoe-Escalante #2	11M2	9500	12/29	25	2.9	3.2	4.8*
Widtsoe-Escalante #3	11M3	9500	12/29	31	4.8	4.0	7.0*
LOWER SEVIER RIVER (Including San Pitch River)							
Beaver Dams	11K13	8000	12/28	10	1.8	8.8	3.9*
Farnsworth Lake	11L1	9900	12/29	18	4.4	11.9	6.0*
G.B.R.C. Headquarters	11K11	8700	12/30	20	4.8	12.6	5.5*
G.B.R.C. Meadows	11K10	10000	12/30	32	7.3	16.8	9.0*
Gooseberry R.S.	11L2	8400	12/29	13	2.4	8.0	3.3*
Gooseberry Reservoir x	11K4	8700		No Report		12.3	6.8*
Mammoth R.S.-Ctnwd.Crk.	11K3	8800	12/27	27	5.6	12.0	7.0*
Mt. Baldy R.S.	11K12	9500	12/28	29	6.6	16.6	7.2*
Shingle Mill	12L11	6200	12/29	8	0.9	2.8	- -
COAL CREEK							
CSU Ranch	12M17		12/29	19	5.4	- -	- -
Midway Valley x	12M2	9800	12/28	52	16.0	10.0	7.0*
Urie Flat	12M10	8450	12/29	15	3.9	2.9	1.9*
Webster Flat x	12M3	9200	12/29	41	12.5	6.5	4.5*
PAROWAN CREEK							
Birch Crossing	12M16	8100	12/28	10	1.7	- -	- -
Brian Head	12M14	10400	12/28	36	10.2	- -	- -
Ed Ward Flat	12M12	8300	12/28	14	3.2	- -	- -
Tall Poles	12M15	8800	12/28	23	5.8	- -	- -
Yankee Reservoir	12M11	8700	12/28	17	4.1	- -	- -

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]

COLORADO RIVER DRAINAGE

DUCHESNE RIVER

Daniels-Strawberry Smt.	11J23	8000	1/3	36	8.0	10.0	5.4
East Portal x	11J7	7560	12/30	27	4.3	7.6	4.1
Indian Canyon	10K1	9100	12/30	39	9.7	10.8	5.0
Julius Park	9J6	9800	12/30	39	7.6	8.8	5.6*
Mosby Mountain	9J5	9500	12/30	32	7.8	8.3	4.0*
Paradise Park	9J3	10100	12/30	39	8.5	9.6	5.4*
Soapstone R.S. x	11J25	7800	12/30	33	5.2	12.8	5.2*
Strawberry Divide x	11J8	8000	12/30	41	6.8	13.3	7.6
Trial Lake x	10J8	9800	12/30	64	10.9	23.4	10.8*

PRICE RIVER

Dry Valley Divide	11K8	7800	12/30	24	4.2	8.2	3.0
Gooseberry Reservoir	11K4	8700		No Report		12.3	6.8*
Indian Canyon x	10K1	9100	12/30	39	9.7	10.8	5.0
Jones Ranch	11K7	7600	12/30	17	2.8	4.8	2.2
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	12/27	27	5.6	12.0	7.0*
Mud Creek	11K33	8300	12/30	29	5.3	12.0	4.8*

SAN RAFAEL RIVER

G.B.R.C. Meadows x	11K10	10000	12/30	32	7.3	16.8	9.0*
Gooseberry Reservoir x	11K4	8700		No Report		12.3	6.8*
Mammoth R.S.-Ctnwd. Crk x	11K3	8800	12/27	27	5.6	12.0	7.0*
Mt. Baldy R.S. x	11K12	9500	12/28	29	6.6	16.6	7.2*

FREMONT RIVER

Farnsworth Lake x	11L1	9900	12/29	18	4.4	11.9	6.0*

MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	12/28	29	6.6	16.6	7.2*

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	12/29	20	2.6	3.2	3.4
Widtsoe-Escalante #2	11M2	9500	12/29	25	2.9	3.2	4.8*
Widtsoe-Escalante #3	11M3	9500	12/29	31	4.8	4.0	7.0*

VIRGIN RIVER

Duck Creek R.S.	12M4	8560	12/31	41	12.8	7.4	4.0*
Harris Flat x	12M5	7700	12/31	21	6.7	4.9	2.0*
Long Valley Jct.	12M6	7500	12/31	Ice	Ice	0.4	1.0*
Midway Valley x	12M2	9400	12/28	52	16.0	10.0	7.0*
Webster Flat	12M3	9200	12/29	41	12.5	6.5	4.5*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1946-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Salt River Summit	7900	12/29	0.63	3.20	5.10	7.75	66
Trial Lake*	9800	12/30	4.12	5.05	11.25	11.05	102
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit	7600	12/30	2.42	3.40	8.61	8.25	104
Klondike Narrows	7400	12/30	2.54	4.20	10.57	10.20	104
Tony Grove R.S.(SCS)	6250	12/30	1.95	- -	7.15	- -	-
OGDEN RIVER							
Ben Lomond(lower)	5850	12/29	1.18	3.80	11.12	10.60	105
Ben Lomond Trail	6000	12/29	1.09	4.00	11.26	11.13	101
Causey Dam	5500	12/29	0.83	- -	4.72	- -	--
WEBER RIVER							
Farmington Guard Sta.(1)	7500	Delayed Report		5.40		13.40	
Farmington Rice (1)	7000	Delayed Report		4.90a		11.99a	
Mt. Dell Dam (2)*	5500	12/31	3.10	2.49a	6.63	6.11a	109
Parley's Canyon Smt.	7500	12/30	3.16	4.05	7.33	9.45	78
Silver Lake(Brighton)*(2)	8725	12/31	5.35	5.67a	13.74	12.98a	106
Smith & Morehouse	7600	12/29	- -	3.55	6.52	8.30	79
Trial Lake*	9800	12/30	4.12	5.05	11.25	11.05	102
PROVO RIVER & UTAH LAKE							
Daniels-Strawberry Smt.	8000	1/3	4.70	3.50	9.35	8.35	112
East Portal Ridge	7800	12/30	2.85	- -	7.82	- -	--
Payson R. S.	8050	12/29	- -	3.50	6.27	8.15	77
Soapstone R.S.	7800	12/30	2.38	3.15	7.28	7.35	99
Strawberry Res.-E.Portal	7606	12/30	1.55	2.06a	5.42	4.98a	109
Timpanogos Divide	8200	12/30	7.30	5.09a	15.16	11.73a	129
Trial Lake	9800	12/30	4.12	5.05	11.25	11.05	102
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	1/3	- -	3.65	7.70	8.20	94
Mt. Dell Dam (2)	5500	12/31	3.10	2.49a	6.63	6.11a	109
Parley's Canyon Smt.	7500	12/30	3.16	4.05	7.33	9.45	78
Silver Lake(Brighton)(2)	8725	12/31	5.35	5.67a	13.74	12.98a	106

USDA-SCS-PORTLAND, OREG. 1962

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

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
SEVIER RIVER ABOVE RICHFIELD							
Duck Creek R. S.	8560	12/31	5.50	3.35	15.32	8.35	183
Kimberly Mine	8900	12/30	3.17	3.10	8.24	7.85	105
Webster Flat*	9200	12/29	4.85	3.50	14.35	8.90	161
Widtsoe-Escalante #3	9500	12/29	3.72	2.30	7.86	6.25	126
Widtsoe-R.S.	7600	12/29	0.87	0.93a	2.63	2.71a	97
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	12/28	- -	2.55	4.35	6.35	68
Farnsworth Lake	9900	12/29	1.63	3.15	4.63	8.00	58
G.B.R.C. Headquarters(1)	8700	12/30	2.24	3.03	5.89	7.76	76
G.B.R.C. Meadows (1)	10000	12/30	3.08	3.36	7.79	8.75	89
G.B.R.C. Oaks (1)	7655	12/30	1.45	2.24	3.81	5.59	68
Gooseberry R.S. (1)	7800	12/29	1.29	2.40	3.61	5.80	62
Gooseberry Reservoir*	8700	12/27	- -	3.35	7.14	8.15	88
Mammoth R.S. #2*	8600	12/27	- -	3.35	6.64	8.10	82
Mt. Baldy	9500	12/28	- -	- -	6.36	- -	--
Shingle Mill	6200	12/29	2.22	2.55	4.81	6.50	74
BEAVER RIVER							
Beaver Canyon P.H.(2)	7275	12/31	2.19	1.41a	4.25	3.80a	112
COAL CREEK							
Webster Flat*	9200	12/29	4.85	3.50	14.35	8.90	161
PAROWAN CREEK							
Tall Poles	8800	12/27	2.25	- -	6.61	- -	--
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Duchesne River)							
Burnt Creek	7900	12/23	- -	- -	3.60	- -	--
Grizzly Ridge	8500	12/23	- -	- -	7.29	- -	---

USDA SCS-PORTLAND, OREG 1962

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

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	1/3	4.70	3.50	9.35	8.35	112
East Portal Ridge*	7800	12/30	2.85	- -	7.82	- -	--
Indian Canyon	9100	12/30	- -	2.90	10.34	6.80	152
Julius Park	9800	12/30	- -	2.70	8.43	7.10	119
Moon Lake	8150	12/31	2.50	1.49	6.00	4.25	141
Paradise Park	10100	12/30	- -	2.90	10.05	7.65	131
Soapstone R.S.*	7800	12/30	2.38	3.15	7.28	7.35	99
Strawberry Res.-E.Portal*	7606	12/30	1.55	2.06a	5.42	4.98a	109
Trial Lake*	9800	12/30	4.12	5.05	11.25	11.05	102
PRICE RIVER							
Gooseberry Reservoir	8700	12/27	- -	3.35	7.14	8.15	88
Indian Canyon	9100	12/30	- -	2.90	10.34	6.80	152
Mammoth R.S. #2	8600	12/27	- -	3.35	6.64	8.10	82
Mud Creek	8300	12/30	2.45	3.15	6.50	7.15	91
SAN RAFAEL RIVER							
G.B.R.C. Meadows*(1)	10000	12/30	3.08	3.36	7.79	8.75a	89
Gooseberry Reservoir*	8700	12/27	- -	3.35	7.14	8.15	88
MUDDY RIVER							
Mt. Baldy R.S.*	9500	12/28	- -	- -	6.36	- -	- -
FREMONT & ESCALANTE RIVERS							
Farnsworth Lake*	9900	12/29	1.63	3.15	4.63	8.00	58
Widtsoe-Escalante #3	9500	12/29	3.72	2.30	7.86	6.25	126
VIRGIN RIVER							
Duck Creek R.S.	8560	12/31	5.50	3.35	15.32	8.35	183
Webster Flat	9200	12/29	4.85	3.50	14.35	8.90	161

USDA-SCS-PORTLAND, OREG. 1962

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

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, 1966

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

FEBRUARY 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL

and

Patricia Paramore

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

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

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

PROSPECTIVE WATER SUPPLIES

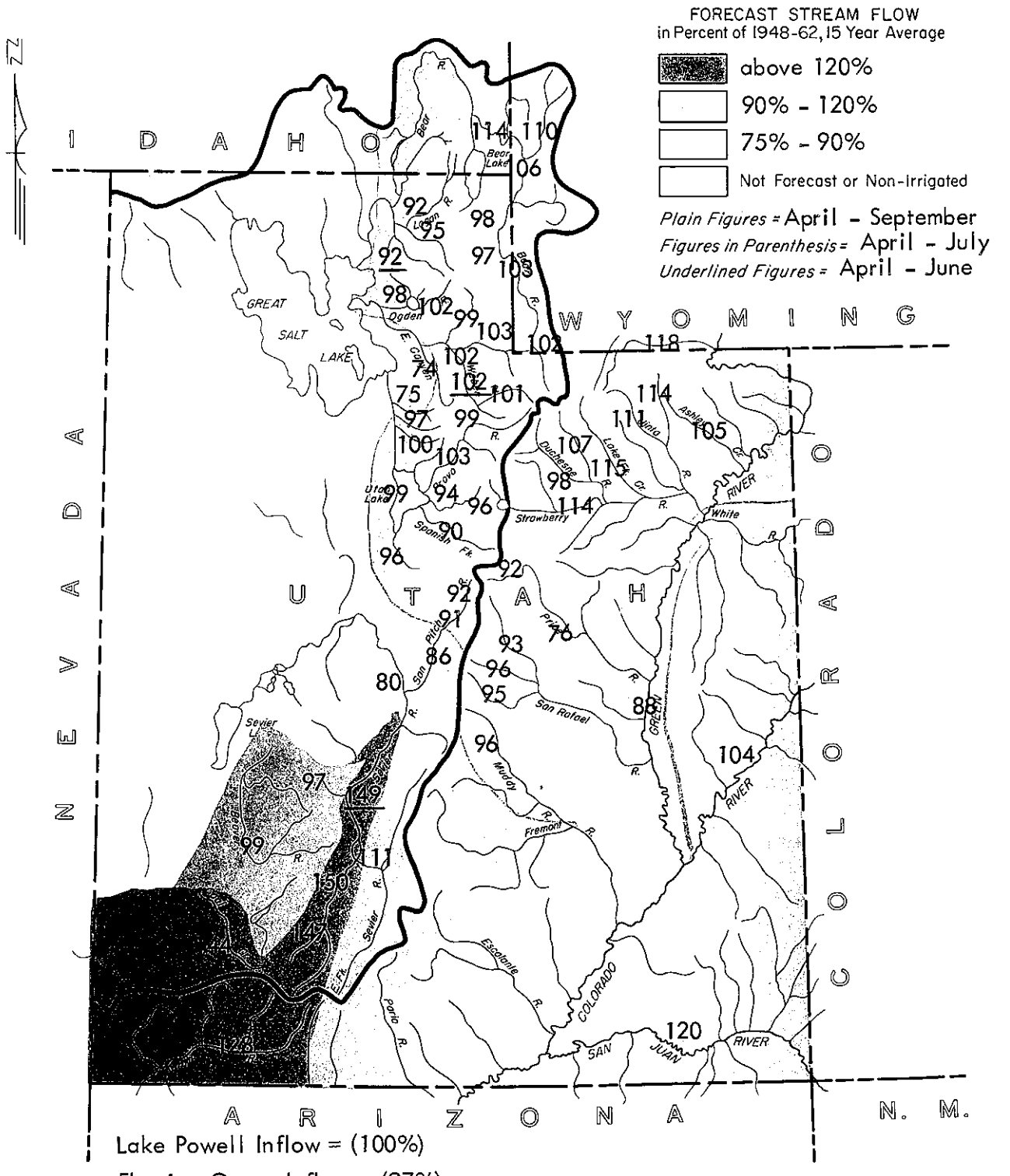
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

February 1, 1966

Approximate Date

50 0 50 100

SCALE IN MILES



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

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

FEBRUARY 4, 1966

* *
* The outlook for next summer's water supply remains fairly *
* good to excellent for most of Utah, in spite of dry Jan- *
* uary weather. Most watersheds have present prospects for *
* the April-September streamflow next summer to fall be- *
* tween 90% and 115% of the 1948-62 fifteen year average. *
* The April-July Inflow to Lake Powell on the Colorado *
* river is expected to be 7,700,000 acre feet, or average *
* flow. Inflow to Flaming Gorge on the Green river is *
* forecast at 1,100,000 acre feet, or 97% of average. *
* *

Relatively dry January weather has lowered the prospects for the coming season's streamflow throughout most of the state. However, considering the excellent reservoir supplies carried over from last year, along with current streamflow prospects, the outlook for the summers water supply still remains good to excellent for most of Utah.

Increases in the snowpack during January varied from about one third to three fourths of usual amounts for the month.

The area where streamflow prospects are the highest still remains in southwestern Utah on the Virgin and Sevier rivers, and Coal Creek near Cedar City. The present snowpack is the highest it has been for this time of year since 1952. These streams are now expected to yield from about 130% to 175% of average flow. Inflow to the Sevier river from Kingston to Vermillion is forecast at 149% for the April-June period, with about 7,000 acre feet coming above the 400 second foot flow value. Below Vermillion, flow above 360 second feet will be about 1,500 acre feet plus whatever water may come from Gunnison reservoir. There is a good chance that the 89,280 acre feet of storage right in Sevier Bridge may be filled by the last of March.

The heavy snowpack near Cedar Breaks decreases rapidly to the north and east, with 5% to 15% above average water expected from Parowan Creek, the East Fork Sevier, Escalante and Paria rivers. This 5% to 15% above average condition also exists on most of the streams of the Uinta Basin.

The areas where forecasts are lowest - from about 75% to 90% of usual amounts - include East Canyon Creek near Morgan, Parley's Creek near Salt Lake, Price river near Heiner and streams near Farmington, Tooele, Fillmore, Salina, Ephraim and the Fremont river.

USDA-SCS-PORTLAND, OREG 1963

WATER SUPPLY OUTLOOK (continued)

Streamflow forecasts for all the rest of the State range between 90% and 105% of average. This includes the Bear river and all its tributaries, the Weber, Ogden, Provo and other streams draining into Utah Lake, the San Rafael, Muddy and upper San Pitch tributaries, Scofield reservoir on Price river, and the higher elevation streams near Salt Lake.

Carryover effects from last year's excellent runoff season will be felt this year. Reservoir storage supplies are excellent and base flow of the streams is higher than a year ago and above median in most of the state. Moisture in the soils underlying the snowpack is average or above.

Storage in some of the smaller reservoirs of central and northern Utah is particularly high. Scofield and Moon Lake reservoirs are at a record level for this time of year. Scofield has 281% of the 1948-62 average storage and is at 79% of capacity. Moon Lake has 240% of average and 87% of capacity., Excluding Bear and Utah Lakes, storage in the remaining reservoirs of central and northern Utah is 181% of average and 55% of capacity. Bear Lake is at 133% of average and 83% of capacity. Utah Lake has 118% of average. Storage in the reservoirs of the Sevier and Beaver rivers in the southwest is 110% of average and 45% of capacity.

Since there is still another 40% to 45% of the average season's maximum snowpack yet to come during February and March, a considerable change may yet take place in the water supply picture for next summer.

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 at Harer, Idaho	295	Apr-Sept		258	114
Bear nr Randolph	100	Apr-Sept		94	106
Bear nr Ut-Wyo State Line	117	Apr-Sept	194	115	102
Bear nr Woodruff	120	Apr-Sept	241	117	103
Big Crk nr Randolph, Utah	8.4	Apr-Sept		8.6*	98
Blacksmith Fork nr Hyrum (4)	60	Apr-Sept	83	63	95
Little Bear nr Paradise	35	Apr-June	38	38	92
Logan nr Logan (3)	122	Apr-Sept	183	133	92
Smith's Fork nr Border, Wyoming	123	Apr-Sept	164	112	110
Woodruff Crk nr Woodruff, Utah	17	Apr-Sept		17.6*	97
WEBER-OGDEN RIVERS					
Chalk Crk at Coalville	37	Apr-Sept	68	36	103
East Canyon Crk nr Morgan (7)	19	Apr-Sept	46	25.6	74
Lost Crk nr Croydon, Utah	18	Apr-Sept	30	18.1	99
Pineview Reservoir Inflow (8)	126	Mar-July	161	129	98
So Fork Ogden nr Huntsville	63	Apr-Sept	90	62	102
Rockport Reservoir Inflow (5)	119	Apr-July		117*	102
Weber nr Coalville (6)	130	Apr-Sept	222	128	102
Weber nr Oakley	100	Apr-June	128	100	100
	124	Apr-Sept	188	123	101
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	32	Apr-Sept	42	33	97
Hobble Crk nr Springville	20	Apr-Sept		21.2	94
Payson Creek nr Payson	7	Apr-Sept	--	7.3	96
Provo nr Hailstone (10)	108	Apr-Sept		109	99
Provo at Vivian Park (11)	148	Apr-Sept	--	144	103
Spanish Fork at Thistle	36	Apr-Sept	48	40	90
Strawberry Reservoir Inflow (9)	48	Apr-Sept		50	96
Utah Lake Inflow	280	Apr-Sept	381	282	99
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	38	Apr-Sept	48	39	97
Little Cottonwood Crk nr SLC	38	Apr-Sept	53	38	100
Parley's Crk nr SLC	10	Apr-Sept	19	13.3	75

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) 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. 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
SEVIER RIVER					
Clear Crk nr Sevier(abv.Div.)	12.5	Apr-June		12.9*	97
East Fork Sevier nr Kingston (12)	18	Apr-June		15.8	114
	22	Apr-Sept		19.8	111
Inflow					
Kingston to Vermillion Dam (See	58	Apr-June		39	149
Vermillion Dam to Gunnison Note below)	57	Mar-June		59	97
Salina Crk at Salina (14)	7	Apr-June		8.3*	84
Sevier nr Circleville	60	Apr-Sept		40*	150
Sevier nr Gunnison a(See note below)	44	Apr-Sept	68	55	80
Sevier at Hatch	46	Apr-June		32	144
	66	Apr-Sept		45	147
Sevier nr Kingston	37	Apr-June		21.0	176
	42	Apr-Sept		25.5	165
Sevier below Piute Dam (13)	63	Apr-Sept		45	140
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	13	Apr-Sept		15.2	86
Pleasant Crk nr Mt. Pleasant	8.9	Apr-Sept		9.7*	92
Twin Crk nr Mt. Pleasant	4.3	Apr-Sept		4.7*	91
BEAVER RIVER					
Beaver nr Beaver	17.5	Apr-June	16.5	18.0	97
	24	Apr-Sept	28.4	24.3	99
Rockyford Reservoir Inflow(15)	5	Apr-June		7.8	64
COAL CREEK					
Coal Crk nr Cedar City	23	Apr-Sept		16.0	144
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	59	Apr-Sept		56	105
Henry's Fork at Linwood	40	Apr-Sept		34	118

Note: Any flow from the Gunnison reservoir will be over and above this amount.

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

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)	34	Apr-Sept		35*	97
Duchesne nr Tabiona (16)	112	Apr-Sept		114	98
Lakefork below Moon Lake (17)	83	Apr-Sept		72	115
Rock Crk nr Mtn. Home	109	Apr-Sept		102	107
Strawberry at Duchesne	82	Apr-Sept		72	114
Uinta nr Neola	105	Apr-Sept		95	111
Whiterocks nr Whiterocks	72	Apr-Sept		63	114
Yellowstone nr Altonah	81	Apr-Sept		73	111
PRICE RIVER					
Gooseberry Crk nr Scofield	10.7	Apr-Sept	15.1	11.9	90
Price nr Heiner (18)	52	Apr-Sept		68	76
Scofield Reservoir Inflow (18)	34	Apr-Sept		37	92
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	53	Apr-Sept	96	55	96
Ferron Crk nr Ferron	40	Apr-Sept	63	42	95
Huntington Crk nr Huntington	52	Apr-Sept	85	56	93
MUDDY RIVER					
Muddy Creek nr Emery	22	Apr-Sept	31	22.8*	96
VIRGIN RIVER					
Virgin at Virgin	55	Apr-June		43	128
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	3950	Apr-Sept	5442	3789	104
Flaming Gorge Inflow (19)	1100	Apr-July	1251	1129	97
Lake Powell Inflow (8)	7700	Apr-July	11810	7692	100
Green at Green River,Ut.(19)	2950	Apr-Sept		3368	88
San Juan nr Bluff, Utah (20)	1410	Apr-Sept	2090	1172	120

USDA-SCS-PORTLAND, OREG. 1965

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

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) 1948-62, 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	1172.6	905.7	883.7
	Woodruff Narrows	26.5	17.7	17.2	- -
Little Bear	Hyrum	15.3	10.6	6.7	10.1
	Porcupine	11.3	2.5	2.2	- -
Ogden	Causey	7.1	1.1	- -	- -
	Pineview	110.0	71.2	71.4	8.9
Weber	East Canyon	28.7	2.2	0.0	12.4
	Echo	73.9	59.0	50.7	26.8
	Rockport	59.1	48.1	42.4	15.1*
	Willard Bay	215.0	80.9	52.0	- -
Provo	Deer Creek	149.7	111.9	118.3	91.4
Spanish Fork	Strawberry	270.0	115.2	61.5	133.0
Utah Lake	Utah Lake (b)	1149.0	696.5	403.0	542.6
Sevier River	Otter Creek	52.5	26.4	15.1	23.3
	Piute	74.0	39.2	24.8	31.7
	Sevier Bridge	236.0	96.2	41.3	92.2
Beaver River	Rocky Ford	23.3	11.9	6.9	10.7
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	19.1	14.1	- -
Lake Fork	Moon Lake	35.8	31.2	10.0	13.0
Price River	Scofield	65.8	51.9	13.0	18.5
Green	Flaming Gorge	3789.0 d	2414.3	968.7	- -
San Juan	Navajo	1709.0 d	283.6	329.8	- -
Colorado	Lake Powell	27000.0 d	8804.0	6197.0	- -

* - Average for 1957-62 inclusive.

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

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated. (d) Total capacity reported.

COMPARISON of SNOW COVER

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)	4	44	88
Mink Creek - Cub River	3	45	73
Logan River	6	55	89
Blacksmith Fork	6	72	96
Malad River (Idaho)	2	41	74
Ogden River	5	66	91
Weber River above Echo Dam	8	49	83
Chalk Creek - Coalville	2	63	112
East Canyon Creek	3	49	83
Farmington Creek	2	--	74
Salt Lake Area	4	48	83
Tooele Area	1	54	73
American Fork River	2	66	88
Provo River above Vivian Park	7	56	89
Strawberry Reservoir Valley	3	67	92
Spanish Fork River	4	50	75
Mt. Nebo Area	2	57	80
Sevier River above Panguitch	3	127	137
East Fork Sevier River	4	143	103
Salina Creek	2	40	66
Mt. Pleasant Area	2	58	78
Ephraim Creek	2	43	67
Beaver River	3	78	93
Coal Creek-Cedar City	3	170	168
COLORADO RIVER BASIN			
Duchesne-Strawberry Rivers	5	61	97
Lakefork River	2	75	120
Whiterocks-Uintah Rivers	3	91	112
Price River	5	58	91
San Rafael Tributaries	6	51	96
Escalante River	3	145	100
Virgin River	4	144	145

** Actual or Estimated 1948-62, 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]
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Big Park	10G11	8700	1/28	39	11.2	25.0	10.3*
CCC Camp x	10G7	7500	1/28	28	5.4	13.4	7.8
Monte Cristo R.S.	11H12	8960	1/28	52	15.8	25.0	16.0*
Piney LaBarge x	10G10	8820	1/29	37	11.1	28.5	12.4*
Salt River Summit x	10G8	7900	1/27	35	8.5	16.6	10.2*
Trial Lake x	10J8	9800	1/28	49	14.6	28.4	16.5*
LOWER BEAR RIVER (Below Harer, Idaho)							
Beaver Crk-Skunk Crk.x	11H14	7150	1/28	30	7.9	10.8	8.0*
Christensen Ranch	11G11	5600	1/28	22	5.1	7.5	6.4*
Cub River R.S.	11G12	5400	1/31	23	5.0	6.6	6.5*
Dry Basin A	11G13	7900	1/29	72	18.2A	37.8A	- -
Dry Bread Pond x	11H13	8230	1/28	43	12.2	15.7	11.3*
Dry Creek Flat	12G4	6350	1/31	17	4.0	8.0	4.7*
Emigrant Summit	11G6	7700	1/28	45	11.4	29.4	- -
Garden City Summit	11H7	7600	1/26	43	11.3	17.0	12.5*
Horseshoe Basin A	11G14	8000	1/29	48	12.1A	30.9	- -
Klondike Narrows	11H1	7400	1/26	46	12.0	22.3	13.5*
Liberty Spring	11G15	8420	1/29	73	18.5A	46.8	- -
Monte Cristo R.S.	11H12	8960	1/28	52	15.8	25.0	16.0*
Oxford Mountain	12G3	6800	1/31	21	4.4	12.0	6.2*
Steep Hollow #1	11H27	8500	1/26	74	21.2	42.4	23.0*
Steep Hollow #2	11H28	7700	1/26	58	15.6	34.0	17.5*
Strawberry Creek	11G9	5800	1/28	22	5.0	11.2	7.7*
Strawberry Mink Divide	11G10	6800	2/4	37	9.2	24.4	13.5*
Tony Grove R.S.	11H3	6250	1/26	30	7.1	12.4	8.4
Willow Flat	11G4	6100	2/1	34	7.8	15.4	9.7*
OGDEN RIVER							
Beaver Crk-Skunk Crk.	11H14	7150	1/28	30	7.9	10.8	8.0*
Ben Lomond(lower)	11H9	5850	1/27	36	6.7	11.9	10.7*
Ben Lomond Peak	11H8	8000	1/27	63	19.4	33.5	22.0*
Ben Lomond Trail	11H30	6000	1/27	39	8.3	13.8	- -
Cutler Creek	11H29	6780	1/27	52	13.2	26.2	- -
Dry Bread Pond	11H13	8230	1/28	43	12.2	15.7	11.3*
Monte Cristo R.S.	11H12	8960	1/28	52	15.8	25.0	16.0*
Sagebrush Flat	11H15	6300	1/27	18	3.8	3.9	4.2*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, ORE.-1964

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
						WATER CONTENT (Inches)	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE [a]
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	1/28	20	4.9	10.3	6.2*
Chalk Creek #2	11J2	8000	1/26	36	9.7	15.1	8.5*
Chalk Creek #3	11J3	7500	1/26	22	5.2	8.4	4.7*
Farmington Canyon(lower)	11J12	6950	1/28	35	9.2	- -	15.0*
Farmington Canyon(upper)	11J11	8000	1/28	51	14.6	- -	16.8*
Lamb's Canyon x	11J14	6600	1/27	27	7.0	15.6	9.5*
Parley's Canyon Smt.	11J15	7500	1/29	33	8.4	21.4	11.6*
Silver Lake x	11J16	8725	1/28	53	16.5	26.4	16.0
Smith & Morehouse	11J4	7600	1/27	31	8.7	13.3	7.8*
Trial Lake x	10J8	9800	1/28	49	14.6	28.4	16.5*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	1/28	29	9.0	15.4	11.9
Clear Creek Ridge #2	11K22	8000	1/26	31	7.2	14.4	8.9*
Clear Creek Ridge #3	11K23	6600	1/26	17	3.1	8.9	5.2*
Daniels-Strawberry Smt.	11J23	8000	1/27	35	9.4	13.2	10.1
East Portal	11J7	7560	1/31	29	7.8	11.4	8.1
Payson R.S.	11K1	8050	1/27	35	10.2	14.8	10.5*
Rock Bridge	11K2	6750	1/27	21	4.9	10.9	7.8*
Soapstone R.S.	11J25	7800	1/28	28	6.9	16.6	8.0*
South Fork R.S.	11J19	6100	1/28	8	2.8	5.5	5.9
Strawberry Divide	11J8	8000	1/31	41	11.7	18.8	13.3
Timpanogos Cave Camp	11J18	5500	1/27	4	0.5	3.3	2.8
Timpanogos Divide	11J21	8140	1/28	51	17.5	24.1	17.6
Trial Lake	10J8	9800	1/28	49	14.6	28.4	16.5*
JORDAN RIVER & TOOELE VALLEY							
Lamb's Canyon	11J14	6600	1/27	27	7.0	15.6	9.5*
Middle Canyon	12J3	7000	1/28	22	6.2	11.4	8.5*
Mill D South Fork	11J10	7400	1/28	37	10.0	21.1	12.0*
Parley's Canyon Smt. x	11J15	7500	1/29	33	8.4	21.4	11.6*
Silver Lake	11J16	8725	1/28	53	16.5	26.4	16.0
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	1/27	32	9.2	13.1	10.6*
Bryce Canyon	12M8	8000	1/28	19	4.3	3.1	3.8*
Duck Creek R.S.	12M4	8560	1/31	47	13.0	10.0	9.0*
Harris Flat R.S.	12M5	7700	1/31	28	6.2	6.2	5.7*
Long Valley Junction x	12M6	7500	1/31		Trace	2.6	3.2*
Midway Valley	12M2	9800	1/31	70	19.9	13.1	12.5*
Widtsoe-Escalante Smt.	11M1	9500	1/31	23	5.5	4.4	5.1
Widtsoe-Escalante #2	11M2	9500	1/31	28	6.4	4.7	6.8*
Widtsoe-Escalante #3	11M3	9500	1/31	35	9.0	5.2	9.3*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1984

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]
LOWER SEVIER RIVER (Including San Pitch River)							
Farnsworth Lake	11L1	9900	1/27	27	5.8	15.4	9.5*
G.B.R.C. Headquarters	11K11	8700	1/28	26	5.3	14.5	9.0*
G.B.R.C. Meadows	11K10	10000	1/28	39	10.7	22.4	14.5*
Gooseberry R.S.	11L2	8400	1/27	20	4.2	10.0	5.9*
Gooseberry Reservoir x	11K4	8700	1/26	35	8.7	15.9	11.8*
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	1/26	39	10.0	16.6	12.2*
Shingle Mill	12L11	6200	1/28	14	2.4	5.0	- -
BEAVER RIVER							
Big Flat	12L7	10290	1/27	32	9.2	13.1	10.6*
Merchant's Valley	12L9	8200	1/27	23	5.7	6.9	5.8*
Otter Lake	12L8	9300	1/27	30	8.1	10.0	8.7*
COAL CREEK							
CSU Ranch	12M17	8200	1/31	36	8.2	New Course	
Midway Valley x	12M2	9800	1/31	70	19.9	13.1	12.5*
Urie Flat	12M10	8450	1/31	33	8.2	5.1	4.7*
Webster Flat	12M3	9200	1/31	60	16.7	8.5	9.8*
PAROWAN CREEK							
Birch Crossing	12M16	8100	1/28	16	3.7	New Course	
Brian Head	12M14	10400	1/28	44	13.5	New Course	
Ed Ward Flat	12M12	8300	1/28	21	5.1	- -	- -
Tall Poles	12M15	8800	1/28	32	8.2	New Course	
Yankee Reservoir	12M11	8700	1/28	26	6.3	- -	- -
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Buck Pasture A	10J23	9700	Delayed Report			21.0A	- -
Henry's Fork A	10J24	10200	Delayed Report			11.0A	- -
Steel Creek Park A	10J20	9900	Delayed Report			17.5A	- -
DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	Delayed Report			13.5A	- -
Atwood Basin A	10J27	10250	Delayed Report			- -	- -
Chepeta-Whiterocks LksA	9J9	10300	Delayed Report			- -	- -
Daniels-Strawberry Smt. x	11J23	8000	1/27	35	9.4	13.2	10.1
East Portal x	11J7	7560	1/31	29	7.8	11.4	8.1
Five Point Lake A	10J26	11000	Delayed Report			- -	- -
Indian Canyon	10K1	9100	1/28	36	10.2	13.7	8.2
Julius Park	9J6	9800	1/28	36	9.2	10.3	8.9*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
DUCHESNE RIVER - Continued							
Lakefork Basin A	10J25	11100	Delayed Report			- -	- -
Lakefork Mountain	10J10	10500	2/1	34	8.3	11.2	7.3*
Lakefork Mountain #2	10J11	8900	2/1	26	6.5	8.7	5.2*
Lakefork Mountain #3	10J12	8100	2/1	24	5.5	7.3	4.2*
Mosby Mountain	9J5	9500	1/28	32	8.1	9.2	6.8*
Paradise Park	9J3	10100	1/28	37	9.7	10.1	8.4*
Reynolds Park A	9J10	10400	Delayed Report			- -	- -
Soapstone R.S. x	11J25	7800	1/28	28	6.9	16.6	8.0*
Strawberry Divide	11J8	8000	1/31	41	11.7	18.8	13.3
Trial Lake	10J8	9800	1/28	49	14.6	28.4	16.5*
Windy Park A	9J12	9400	Delayed Report			7.3	- -
PRICE RIVER							
Clear Creek Ridge #2 x	11K22	8000	1/26	31	7.2	14.4	8.9*
Dry Valley Divide	11K8	7800	1/27	25	6.0	11.7	7.0*
Gooseberry Reservoir	11K4	8700	1/26	35	8.7	15.9	11.8*
Indian Canyon x	10K1	9100	1/28	36	10.2	13.7	8.2
Jones Ranch	11K7	7600	1/27	19	4.0	8.0	5.1*
Mammoth R.S.-Ctnwd. Crk.x	11K3	8800	1/26	39	10.0	16.6	12.2*
Mud Creek #2	11K33	8300	1/27	31	7.4	14.9	8.1*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	1/26	30	7.2	16.6	8.4*
G.B.R.C. Meadows x	11K10	10000	1/28	39	10.7	22.4	14.5*
Gooseberry Reservoir	11K4	8700	1/26	35	8.7	15.9	11.8*
Red Pine Ridge	11K28	9400	1/31	39	9.8	18.7	9.8*
Rush Pond	11K38	9800	1/26	29	6.8	14.9	7.8*
Upper Joe's Valley	11K29	8800	1/31	26	5.8	12.8	5.3*
Wrigley Creek	11K32	9000	1/26	29	7.0	11.1	5.8*
FREMONT RIVER							
Farnsworth Lake x	11L1	9900	1/27	27	5.8	15.4	9.5*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	1/31	23	5.5	4.4	5.1
Widtsoe-Escalante #2	11M2	9500	1/31	28	6.4	4.7	6.8*
Widtsoe-Escalante #3	11M3	9500	1/31	35	9.0	5.2	9.3*
VIRGIN RIVER							
Duck Creek R.S.	12M4	8560	1/31	47	13.0	10.0	9.0*
Harris Flat R.S.	12M5	7700	1/31	28	6.2	6.2	5.7*
Long Valley Junction	12M6	7500	1/31	Trace	Trace	2.6	3.2*
Midway Valley x	12M2	9800	1/31	70	19.9	13.1	12.5*
Webster Flat	12M3	9200	1/31	60	16.7	8.5	9.8*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	1/26	- -	- -	9.39	10.65	88
Chalk Creek #3*	7500	1/26	- -	- -	7.70	- -	--
Monte Cristo #2	8960	1/28	- -	- -	15.96	18.10	88
Salt River Summit	7900	1/27	3.00	3.65	8.10	11.40	71
Trial Lake*	9800	1/28	2.43	4.50	13.68	15.55	88
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	1/28	- -	- -	14.09	13.95	101
Garden City Summit	7600	1/26	2.52	3.85	11.13	12.10	92
Klondike Narrows	7400	1/26	3.93	4.80	14.50	15.00	97
Monte Cristo #2	8960	1/28	- -	- -	15.96	18.10	88
Tony Grove R.S.	6250	1/26	2.39	- -	11.49	- -	--
Willow Flat	6100	2/1	2.61	- -	12.54	15.40	82
OGDEN RIVER							
Ben Lomond(lower)	5850	1/27	5.78	5.70	16.90	16.30	104
Ben Lomond Trail	6000	1/27	6.72	5.92	17.98	17.05	105
Causey Dam	5500	1/28	3.72	- -	8.44	- -	--
Dry Bread Pond	8230	1/28	- -	- -	14.09	13.95	101
Monte Cristo #2*	8960	1/28	- -	- -	15.96	18.10	88
Sagebrush Flat	6300	1/28	- -	- -	8.93	9.35	96
WEBER RIVER							
Chalk Creek #2	8000	1/26	- -	- -	9.39	10.65	88
Chalk Creek #3	7500	1/26	- -	- -	7.70	- -	--
Farmington Guard Sta.(1)	7500	1/28	1.95	5.60a	15.19	19.00a	80
Farmington Rice (1)	7000	1/28	1.87	5.13a	13.75	17.12a	80
Parley's Canyon Smt.	7500	1/29	2.41	4.05	9.74	13.50	72
Silver Lake(Brighton)*(2)	8725	1/31	2.61	5.39a	16.35	18.37a	89
Smith & Morehouse	7600	1/27	4.30	3.60	10.82	11.90	91
Trial Lake*	9800	1/28	2.43	4.50	13.68	15.55	88

USDA-SCS-PORTLAND, OREG. 1962

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

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	1/26	- -	- -	8.75	11.00	80
Daniels-Strawberry Smt.	8000	1/27	1.26	3.50	10.61	11.85	90
East Portal Ridge	7800	1/31	2.25	- -	10.07	- -	--
Payson R.S.	8050	1/27	3.72	3.50	9.99	11.65	86
Soapstone R.S.	7800	1/28	1.80	3.15	9.08	10.50	86
Strawberry Res.-E.Portal	7606	1/31	1.25	2.24a	6.67	7.22a	92
Timpanogos Divide	8200	1/28	2.37	5.53a	17.53	17.26a	102
Trial Lake	9800	1/28	2.43	4.50	13.68	15.55	88
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	1/28	1.02	3.10	8.72	11.30	77
Mt. Dell Dam (2)	5500	1/31	0.81	2.15a	7.44	8.26a	90
Parley's Canyon Smt.	7500	1/29	2.41	4.05	9.74	13.50	72
Silver Lake(Brighton)(2)	8725	1/31	2.61	5.39a	16.36	18.37a	89
SEVIER RIVER ABOVE RICHFIELD							
Big Flat	10290	1/27	- -	- -	8.85	11.20	79
Cedar Breaks	10390	1/28	3.43	- -	15.85	13.55	117
Duck Creek R.S.	8560	1/31	1.70	3.65	17.62	12.00	142
Webster Flat*	9200	1/31	4.21	4.00	18.56	12.90	144
Widtsoe-Escalante #3	9500	1/31	1.54	1.95	9.40	8.20	115
Widtsoe R.S.	7600	1/31	0.67	0.75a	3.30	3.46a	95
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Farnsworth Lake	9900	1/27	1.84	3.15	6.52	11.15	58
G.B.R.C. Headquarters(1)	8700	1/28	1.41	3.40a	7.30	11.16a	65
G.B.R.C. Meadows(1)	10000	1/28	2.15	3.56a	9.94	12.31a	81
G.B.R.C. Oaks (1)	7655	1/28	0.91	2.14a	4.72	7.73a	61
Gooseberry R.S. (1)	7800	1/27	1.38	1.85	4.99	7.65	65
Gooseberry Reservoir*	8700	1/26	2.63	3.60	9.77	11.75	83
Mammoth R.S. #2*	8600	1/26	3.03	3.55	9.67	11.65	83
Shingle Mill	6200	1/28	1.71	2.55	6.52	9.05	72
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	1/31	1.07	2.07a	5.32	5.87a	91
Big Flat	10290	1/27	- -	- -	8.85	11.20	79
Merchant Valley	8650	1/27	- -	- -	7.38	- -	--
COAL CREEK							
Cedar Breaks	10390	1/28	3.43	- -	15.85	13.55	117
Webster Flat*	9200	1/31	4.21	4.00	18.56	12.90	144
PAROWAN CREEK							
Tall Poles	8800	1/28	2.37	- -	8.98	- -	- -
Yankee Reservoir	8700	1/28	1.88	- -	7.44	7.35	101

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

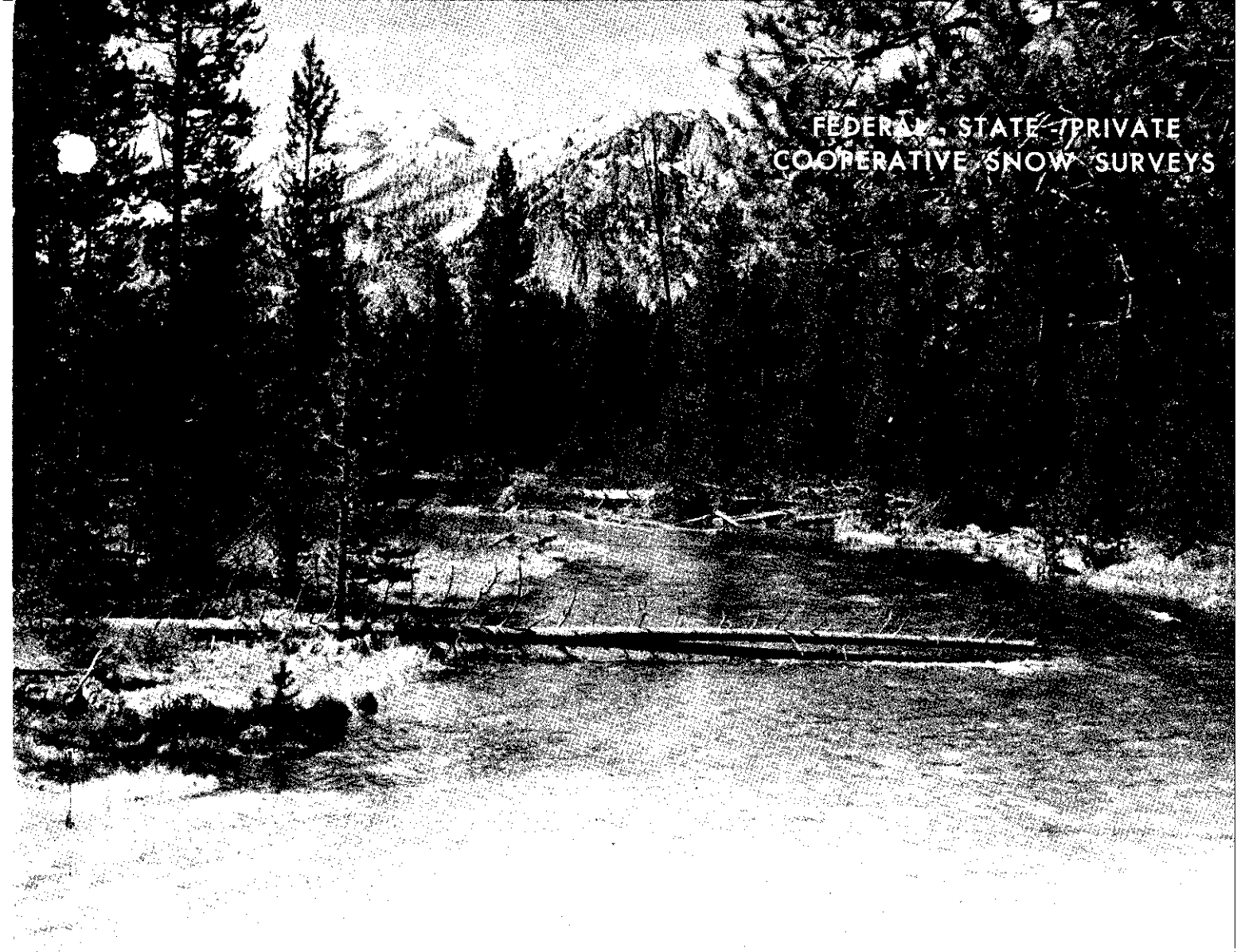
USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Burnt Creek	7900	1/31	1.52	- -	5.12	- -	--
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	1/31	1.54	- -	8.83	- -	--
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	1/27	1.26	3.50	10.61	11.85	90
East Portal Ridge*	7800	1/31	2.25	- -	10.07	- -	--
Indian Canyon	9100	1/28	0.50	3.35	10.84	10.15	107
Julius Park	9800	No Report		2.40		9.80	
Lakefork Mountain	10500	2/1	- -	- -	8.63	9.15	94
Moon Lake	8150	1/30	0.05	1.67a	6.05	5.92a	102
Mosby Mountain	9500	1/28	- -	- -	7.32	- -	--
Paradise Park	10100	No Report		2.85		10.50	
Soapstone R.S.*	7800	1/28	1.80	3.15	9.08	10.50	86
Strawberry Res.-E.Portal*	7606	1/31	1.25	2.24a	6.67	7.22a	92
Trial Lake*	9800	1/28	2.43	4.50	13.68	15.55	88
PRICE RIVER							
Clear Creek Ridge #2*	8000	1/26	- -	- -	8.75	11.00	80
Gooseberry Reservoir	8700	1/26	2.63	3.60	9.77	11.75	83
Indian Canyon	9100	1/28	0.50	3.35	10.84	10.15	107
Mammoth R.S. #2	8600	1/26	3.03	3.55	9.67	11.65	83
Mud Creek	8300	1/27	1.45	3.15	7.95	10.30	77
SAN RAFAEL RIVER							
Buck Flat	9400	1/26	- -	- -	7.60	10.15	75
G.B.R.C. Meadows*(1)	10000	1/28	2.15	3.56a	9.94	12.31a	81
Gooseberry Reservoir	8700	1/26	2.63	3.60	9.77	11.75	83
Orange Olsen		1/31	- -	- -	3.95	- -	--
Red Pine Ridge	9400	1/31	- -	- -	9.80	12.10	81
FREMONT & ESCALANTE RIVERS							
Farnsworth Lake*	9900	1/27	1.84	3.15	6.52	11.15	58
Widtsoe-Escalante #3	9500	1/31	1.54	1.95	9.40	8.20	115
VIRGIN RIVER							
Buck Creek R.S.	8560	1/31	1.70	3.65	17.02	12.00	142
Webster Flat	9200	1/31	4.21	4.00	18.56	12.90	144

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

USDA-SCS-PORTLAND, OREG 1982



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, 1966

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

MARCH 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL

and

Patricia Paramore

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

USDA-SCS-PORTLAND, ORE. 1965

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

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

PROSPECTIVE WATER SUPPLIES

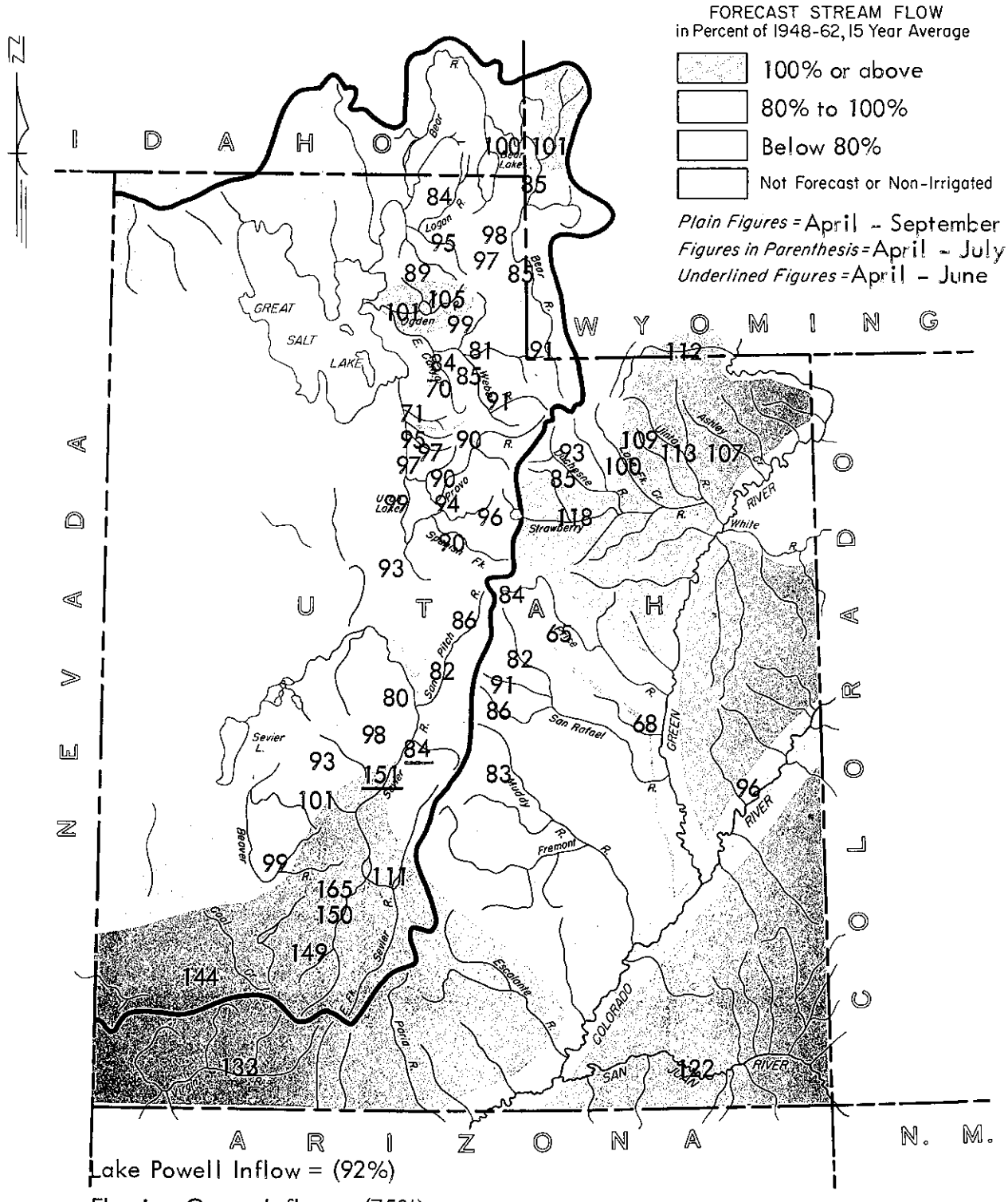
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

March 4, 1966

Approximate Date

50 0 50 100

SCALE IN MILES



Lake Powell Inflow = (92%)

Flaming Gorge Inflow = (75%)

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE M-2853 7-0-16150-L

WATER SUPPLY OUTLOOK

as of

MARCH 4, 1966

* *
* Prospects for next summer's water supply remains*
* good to excellent for all areas that are princi-*
* pally dependent on reservoir storage rights. The*
* outlook is fair to good for water users in cen- *
* tral and northern areas who are primarily depen-*
* dent on natural streamflow. *
* *

Mountain snowfall during February varied from about 50% to 90% of average over most watersheds of central and northern Utah. In the southwest, snowfall for the month was generally about 80% to 89% of usual amounts.

Because of February's light snowfall, forecasts have dropped about 10% to 20% since last month on the upper Bear river in Rich county and southwestern Wyoming, the Weber river and Chalk Creek above Echo reservoir, the upper Provo river, Uintah Basin streams from the Duchesne river to Yellowstone Creek and the larger streams in Emery and Carbon counties. Changes in forecasts for the remainder of the state remain within about 5% of what was expected a month ago.

Streamflow prospects are still the highest in southwestern Utah on the Virgin and Sevier rivers, and Coal Creek near Cedar City. Forecasts for these streams range from about 130% to 180% of average. Streamflow prospects decrease rapidly north and east of here, with the East Fork Sevier, Escalante and Paria rivers and Parowan Creek expected to yield from 5% to 15% above average flows. Streamflow from the Beaver river and Clear Creek near Sevier is expected to be essentially average.

Inflow to the Sevier river from Kingston to Vermillion is forecast at 151% for the April-June period, with about 7,000 acre feet coming above the 400 second foot flow value. Below Vermillion, flow above 360 second feet will be about 1,500 acre feet.

The following streams in northern and eastern areas now have prospects of average to 20% above average flow - Ogden river, the strawberry river and other Uintah Basin streams from Lakefork river below Moon Lake eastward to Ashley and Brush Creeks north of Vernal. In southeastern Utah, streams near Monticello and Blanding should yield from 15% to 30% above average amounts, while near Moab about average flows are expected.

WATER SUPPLY OUTLOOK (continued)

The areas where forecasts are lowest - with forecasts ranging between 65% to 80% of usual amounts - includes Parley's Creek near Salt Lake, East Canyon Creek near Morgan, Price river near Heiner and Chicken Creek near Levan.

Streams with forecasts of 80% and 90% of average include the Fremont and Muddy rivers, tributaries of the San Rafael and San Pitch rivers, inflow to Scofield, Sevier Bridge and Echo reservoirs, Salina Creek, Duchesne river near Tabiona, Logan and Little Bear rivers in Cache county, the Bear river near Woodruff and Randolph, and streams near Farmington.

Average to 10% less than average is expected from the streams near Fillmore, Tooele, Woodruff and Randolph, Sevier river inflow from Vermillion to Gunnison, Strawberry reservoir inflow, all streams draining into Utah Lake, the Cottonwood Creeks near Salt Lake, Lost Creek near Croydon, Blacksmith Fork near Hyrum and Rock Creek near Mountain Home.

The cold temperatures and frequent storms of February had a beneficial effect on the water outlook, particularly for the lower elevation watersheds. These weather conditions reduced evaporation and early snowmelt, leaving more water to come during the spring months. Several examples will illustrate this weather effect. At the Ben Lomond(lower) site (elevation 5850 ft.) on the North Fork of the Ogden river the month's precipitation was 88% of average, while the snowpack increase was 243%.

On the South Fork Ogden river at Sagebrush Flat(elevation 6300 ft.), precipitation was 87% while the month's snowpack increase was 400%. In southern Utah at the Widtsoe-Escalante Summit site(elevation 9500 ft.) on the East Fork Sevier river, the month's precipitation was 89% with a snowpack increase of 147%.

Of the main Colorado river tributaries above Lake Powell, the most favorable outlook is for the San Juan river near Bluff where the April-September streamflow is expected to be 22% above the 1948-62 fifteen year average. The outlook decreases to 96% for the Colorado river near Cisco and to 68% for the Green river near Green River, Utah. The April-July inflow to Lake Powell is now expected to be 7,100,000 acre feet, or 92% of the fifteen year average. The April-July inflow to Flaming Gorge is forecast at 850,000 acre feet, or 75% of average.

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 at Harer, Idaho	258	Apr-Sept		258	100
Bear near Randolph	80	Apr-Sept		94	85
Bear nr Ut-Wyo State Line	105	Apr-Sept	194	115	91
Bear nr Woodruff	100	Apr-Sept	241	117	85
Big Crk nr Randolph, Utah	8.4	Apr-Sept		8.6*	98
Blacksmith Fork nr Hyrum (4)	60	Apr-Sept	83	63	95
Little Bear nr Paradise	34	Apr-June	38	38	89
Logan nr Logan (3)	112	Apr-Sept	183	133	84
Smith's Fork nr Border, Wyo.	113	Apr-Sept	164	112	101
Woodruff Crk nr Woodruff, Utah	17	Apr-Sept		17.6*	97
WEBER-OGDEN RIVERS					
Chalk Crk at Coalville	29	Apr-Sept	68	36	81
East Canyon Crk nr Morgan (7)	18	Apr-Sept	46	25.6	70
Lost Crk nr Croydon, Utah	18	Apr-Sept	30	18.1	99
Pineview Reservoir Inflow (8)	130	Mar-July	161	129	101
So. Fork Ogden nr Huntsville	65	Apr-Sept	90	62	105
Rockport Reservoir Inflow (5)	100	Apr-July		117*	85
Weber nr Coalville (6)	108	Apr-Sept	222	128	84
Weber nr Oakley	90	Apr-June	128	100	90
	112	Apr-Sept	188	123	91
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	32	Apr-Sept	42	33	97
Hobble Crk nr Springville	20	Apr-Sept		21.2	94
Payson Creek nr Payson	6.8	Apr-Sept		7.3	93
Provo nr Hailstone (10)	98	Apr-Sept		109*	90
Provo at Vivian Park (11)	130	Apr-Sept		144	90
Spanish Fork at Thistle	36	Apr-Sept	48	40	90
Strawberry Reservoir Inflow (9)	48	Apr-Sept		50	96
Utah Lake Inflow	280	Apr-Sept	381	282	99
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	37	Apr-Sept	48	39	95
Little Cottonwood Crk nr SLC	37	Apr-Sept	53	38	97
Parley's Crk nr SLC	9.5	Apr-Sept	19	13.3	71

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) 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 1963

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					
Chalk Creek nr Fillmore	15.5	Apr-Sept		16.7	93
Clear Crk nr Sevier (abv. Div.)	13	Apr-June		12.9*	101
East Fork Sevier nr Kingston (12)	18	Apr-June		15.8	114
	22	Apr-Sept		19.8	111
Inflow					
Kingston to Vermillion Dam	59	Apr-June		39	151
Vermillion Dam to Gunnison	58	Mar-June		59	98
Salina Crk at Salina (14)	7	Apr-June		8.3*	84
Sevier nr Circleville	60	Apr-Sept		40 *	150
Sevier nr Gunnison a	44	Apr-Sept	68	55	80
Sevier at Hatch	48	Apr-June		32	150
	67	Apr-Sept		45	149
Sevier nr Kingston	38	Apr-June		21.0	181
	42	Apr-Sept		25.5	165
Sevier below Piute Dam (13)	63	Apr-Sept		45	140
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	12.5	Apr-Sept		15.2	82
Pleasant Crk nr Mt. Pleasant	8.3	Apr-Sept		9.7*	86
Twin Crk nr Mt. Pleasant	3.8	Apr-Sept		4.7*	81
BEAVER RIVER					
Beaver nr Beaver	17.5	Apr-June	16.5	18.0	97
	24	Apr-Sept	28.4	24.3	99
Rockyford Reservoir Inflow (15)	5	Apr-June		7.8	64
COAL CREEK					
Coal Crk nr Cedar City	23	Apr-Sept		16.0	144
	COLORADO RIVER BASIN				
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	60	Apr-Sept		56	107
Henry's Fork at Linwood	38	Apr-Sept		34	112

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

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		35*	91
Duchesne nr Tabiona (16)	97	Apr-Sept		114	85
Lakefork below Moon Lake (17)	72	Apr-Sept	127	72	100
Rock Crk nr Mtn. Home	95	Apr-Sept	163	102	93
Strawberry at Duchesne	85	Apr-Sept		72	118
Uinta nr Neola	104	Apr-Sept	201	95	109
Whiterocks nr Whiterocks	71	Apr-Sept	102	63	113
Yellowstone nr Altonah	73	Apr-Sept	137	73	100
PRICE RIVER					
Gooseberry Crk nr Scofield	10	Apr-Sept	15.1	11.9	84
Price nr Heiner (18)	44	Apr-Sept		68	65
Scofield Reservoir Inflow (18)	31	Apr-Sept		37	84
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	50	Apr-Sept	96	55	91
Ferron Crk nr Ferron	36	Apr-Sept	63	42	86
Huntington Crk nr Huntington	46	Apr-Sept	85	56	82
MUDDY RIVER					
Muddy Creek nr Emery	19	Apr-Sept	31	22.8*	83
VIRGIN RIVER					
Virgin nr Virgin	57	Apr-June		43	133
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	3650	Apr-Sept	5442	3789	96
Flaming Gorge Inflow (19)	850	Apr-July	1251	1129	75
Green at Green River, Utah(19)	2300	Apr-Sept		3368	68
Lake Powell Inflow (8)	7100	Apr-July	11810	7692	92
San Juan nr Bluff, Utah (20)	1430	Apr-Sept	2090	1172	122

USDA-SCS-PORTLAND, ORE. 1965

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

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) 1948-62, 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	1145.4	926.8	894.3
	Woodruff Narrows	26.5	18.4	22.0	- -
Beaver River	Rocky Fork	23.3	13.8	8.1	12.5
Little Bear	Hyrum	15.3	10.5	6.7	10.8
	Porcupine	11.3	2.1	2.9	- -
Ogden	Causey	7.1	2.2	- -	- -
	Pineview	110.0	61.4	61.6	11.1
Provo	Deer Creek	149.7	108.5	111.1	92.3
Sevier River	Otter Creek	52.5	28.2	18.4	27.6
	Piute	74.0	46.5	32.0	38.9
	Sevier Bridge	236.1	109.8	50.7	108.2
Spanish Fork	Strawberry	270.0	118.2	64.1	135.6
Utah Lake	Utah Lake (b)	1149.0	712.6	444.4	587.3
Weber	East Canyon	28.7	0.3	0.0	13.4
	Echo	73.9	63.7	56.0	29.3
	Rockport	60.9	44.9	38.2	17.5*
	Willard Bay	215.0	80.2	62.3	- -
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	20.5	15.2	- -
Colorado	Lake Powell	27000.0d	8748.0	6223.0	- -
Green	Flaming Gorge	3789.0d	2383.8	826.3	- -
Lake Fork	Moon Lake	35.8	32.0	11.3	14.6
Price River	Scofield	65.8	53.2	13.9	19.6
San Juan	Navajo	1709.0d	217.3	265.4	- -

* - Average for 1957-62 inclusive

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

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated. (d) Total capacity reported.

COMPARISON of SNOW COVER

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	48	75
Strawberry-Mink Creeks (Ida)	3	51	66
Cub River (Ida)	3	69	80
Logan River	5	60	84
Blacksmith Fork-Little Bear	5	83	97
Malad River(Idaho)	2	48	70
Ogden River	5	84	97
Weber River above Echo Dam	8	62	84
Chalk Creek - Coalville	3	66	92
East Canyon Creek	3	60	83
Farmington Creek	2	57	80
Salt Lake Area	4	58	80
Tooele Area	1	68	84
American Fork River	3	89	92
Provo River above Vivian Park	6	65	83
Strawberry Reservoir Valley	3	96	89
Spanish Fork River	4	68	88
Hobble Creek	2	76	86
Mt. Nebo Area	2	76	86
Sevier River above Panguitch	5	138	123
East Fork Sevier River	6	136	100
Clear Creek above Sevier	1	89	94
Salina Creek	2	52	75
Mt. Pleasant Area	2	69	76
Ephraim Creek	2	62	70
Chicken Creek - Levan	1	39	53
Chalk Creek - Fillmore	3	72	87
Beaver River	3	101	91
Parowan Creek	2	77	112
Coal Creek - Cedar City	4	148	132
Enterprise - New Harmony	2	110	148
Mayfield Area	2	48	62
COLORADO RIVER BASIN			
Duchesne River above Tabiona	3	59	80
Strawberry River	4	76	96
Lakefork River	2	83	104
Whiterocks-Uintah Rivers	3	108	108
Ashley Creek	4	106	108
Price River	7	67	87
San Rafael Tributaries	4	62	88
Fremont River	4	60	79
Escalante River	3	174	105
Virgin River	4	150	127
LaSal Mtns. near Moab	1	122	103
Blue Mtns. nr Monticello	2	115	135

** Actual or Estimated 1948-62, 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]
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Big Park	10G11	8700	2/25	44	13.3	27.4	17.5*
CCC Camp x	10G7	7500	2/24	32	8.1	16.3	10.4
Kelly Ranger Station	10G12	8200	2/25	43	12.0	25.3	18.7*
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Piney LaBarge x	10G10	8820	2/26	42	12.3	27.5	17.8
Poison Meadows x	10G6	8500	2/26	59	17.1	42.0A	24.4
Salt River Summit x	10G8	7900	2/24	41	12.0	22.1	13.3
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*
LOWER BEAR RIVER (Below Harer, Idaho)							
Beaver Crk-Skunk Crk	11H14	7150	2/25	35	10.6	12.4	11.1*
Christensen Ranch	11G11	5600	2/25	29	7.0	8.4	9.0*
Cub River R.S.	11G12	5400	2/24	29	7.8	8.6	9.4*
Dry Bread Pond x	11H13	8230	2/25	48	16.0	18.6	16.0*
Dry Creek Flat	12G4	6350	2/25	20	5.0	9.4	6.9*
Emigration Canyon	11G7	6500	2/25	27	7.3	13.4	- -
Emigrant Summit	11G6	7700	2/25	50	15.2	31.2	- -
Garden City Summit	11H7	7600	2/28	48	14.4	23.1	16.8*
Klondike Narrows	11H1	7400	2/28	49	15.2	27.4	18.0*
Little Bear(lower)	11H26	6100	3/1	33	8.9	7.6	8.6*
Little Bear(upper)	11H25	6850	3/1	37	10.4	10.6	10.6*
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Oxford Mountain	12G3	6800	2/25	25	5.9	13.7	8.7*
Slug Creek Divide	11G5	7225	3/1	45	11.2	20.2	- -
Steep Hollow #1	11H27	8500	2/28	78	26.8	44.9	30.5*
Steep Hollow #2	11H28	7700	2/28	60	19.8	35.4	23.5*
Strawberry Creek	11G9	5800	2/25	30	7.6	12.6	11.1*
Strawberry Mink Divide	11G10	6800	2/25	44	12.3	28.4	19.3*
Tony Grove R.S.	11H3	6250	2/28	31	8.8	13.1	11.4*
Willow Flat	11G4	6100	2/24	37	10.6	17.1	14.3*
OGDEN RIVER							
Beaver Crk-Skunk Crk.	11H14	7150	2/25	35	10.6	12.4	11.1*
Ben Lomond(lower)	11H9	5850	2/24	45	12.3	13.4	13.0*
Ben Lomond Peak	11H8	8000	2/24	78	26.8	35.8	29.5*
Ben Lomond Trail	11H30	6000	2/24	49	13.8	16.1	- -
Cutler Creek	11H29	6780	2/24	64	20.8	29.2	- -
Dry Bread Pond	11H13	8230	2/25	48	16.0	18.6	16.0*
Horse Ridge	11H21	8260	2/23	51	15.3	27.0	- -
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Sagebrush Flat	11H15	6300	2/25	21	5.8	3.1	4.7*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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	2/24	26	6.4	10.9	8.4*
Chalk Creek #1	11J1	9100	2/23	57	17.6	27.2	19.2*
Chalk Creek #2	11J2	8000	2/23	40	11.3	17.4	12.1*
Chalk Creek #3	11J3	7500	2/23	24	6.1	8.9	6.7*
Farmington Canyon(lower)	11J12	6950	2/28	48	13.6	23.9	19.6*
Farmington Canyon(upper)	11J11	8000	2/28	65	20.6	36.1	22.3*
Horse Ridge	11H21	8260	2/23	51	15.3	27.0	- -
Kilfore Creek	11H31	7300	2/23	42	11.7	14.7	- -
Lamb's Canyon x	11J14	6600	2/24	37	9.6	18.6	13.3*
Lost Creek Reservoir	11H32	6125	2/23	23	5.2	6.1	- -
Parley's Canyon Smt.	11J15	7500	2/26	44	12.2	23.8	15.8*
Redden Mine(lower)	11J6	8500	2/28	46	14.2	20.2	15.9*
Redden Mine(upper)	11J5	9000	2/28	50	16.2	23.0	17.3*
Silver Lake x	11J16	8725	2/24	61	20.6	26.7	20.5
Smith & Morehouse	11J4	7600	2/25	36	10.4	16.0	11.7*
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	2/25	44	14.0	13.6	14.9
Clear Creek Ridge #1	11K21	9200	2/23	45	14.1	21.6	15.5*
Clear Creek Ridge #2	11K22	8000	2/23	37	10.6	16.7	12.2*
Clear Creek Ridge #3	11K23	6600	2/23	22	5.7	9.1	6.9*
Daniels-Strawberry Smt.	11J23	8000	2/25	43	12.0	14.2	13.4
Dutchman R.S.	11J17	7500	3/1	48	14.9	18.6	17.1*
East Portal	11J7	7560	2/27	37	10.0	11.6	10.6
Hobble Creek Summit	11J22	7300	2/24	37	11.0	14.0	12.4*
Packard Canyon	11J31	6400	2/24	27	7.9	10.8	9.6*
Payson R.S.	11K1	8050	2/24	44	14.1	17.7	15.7*
Rock Bridge	11K2	6750	2/24	27	9.0	12.4	11.0*
Soapstone R.S.	11J25	7800	2/24	34	8.5	19.0	11.7
South Fork R.S.	11J19	6100	2/25	17	5.3	5.6	6.2
Strawberry Divide	11J8	8000	2/27	51	14.8	20.8	17.7
Timpanogos Cave Camp	11J18	5500	2/25	9	3.0	2.2	3.3*
Timpanogos Divide	11J21	8140	2/25	64	21.4	25.8	22.8
Trial Lake	10J8	9800	2/24	58	17.4	35.7	23.0*
JORDAN RIVER & TOOELE VALLEY							
Lamb's Canyon	11J14	6600	2/24	37	9.6	18.6	13.3*
Middle Canyon - Tooele	12J3	7000	2/28	33	9.7	14.2	11.6*
Mill D South Fork	11J10	7400	2/25	43	12.5	23.8	17.8*
Parley's Canyon Smt. x	11J15	7500	2/26	44	12.2	23.8	15.8*
Silver Lake	11J16	8725	2/24	61	20.6	26.7	20.5

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG.-1964

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
						WATER CONTENT (Inches)	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE [a]
UPPER SEVIER RIVER							
(South of Richfield, Utah)							
Big Flat x	12L7	10290	2/23	42	12.8	14.3	15.0*
Box Creek	12L4	9800	2/24	37	9.4	13.5	10.2*
Bryce Canyon	12M8	8000	2/26	29	5.8	3.7	4.9*
Castle Valley	12M13	9700	3/1	50	14.2	10.4	12.0*
Cedar Breaks	12M1	10390	2/25	76	22.8	17.1	17.7*
Duck Creek R.S.	12M4	8560	2/25	56	16.3	11.3	12.8*
Fish Lake	11L3	8700	2/23	24	5.0	7.8	6.6*
Harris Flat R.S.	12M5	7700	2/25	36	9.0	7.2	7.9*
Kimberly Mine	12L6	8900	2/28	44	11.8	13.3	12.6*
Long Valley Jct. x	12M6	7500	2/25	22	4.3	0.0	4.0*
Midway Valley	12M2	9800	2/28	76	24.1	15.8	19.3*
Panguitch Lake	12M7	8200	3/1	29	7.4	3.6	4.1*
Squaw Springs	12L5	9300	2/24	27	6.0	7.7	5.9*
Widtsoe-Escalante Smt.	11M1	9500	2/28	31	8.0	4.4	6.8
Widtsoe-Escalante #2	11M2	9500	2/28	35	8.6	5.8	9.0*
Widtsoe-Escalante #3	11M3	9500	2/28	45	11.6	6.0	11.6*
LOWER SEVIER RIVER							
(Including San Pitch River)							
Bear Canyon	12L3	7200	2/28	29	6.7	10.0	8.0*
Beaver Dams	11K13	8000	2/24	28	6.2	13.1	10.7*
Farnsworth Lake	11L1	9900	2/28	43	10.4	20.7	14.4*
G.B.R.C. Headquarters	11K11	8700	3/1	34	8.7	14.0	14.1*
G.B.R.C. Meadows	11K10	10000	3/1	55	16.1	25.9	20.5*
Gooseberry R.S.	11L2	8400	2/28	31	7.3	13.8	9.4*
Gooseberry Reservoir x	11K4	8700	2/24	44	12.5	18.2	17.0*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/24	47	13.6	19.8	17.5*
Mt. Baldy R.S.	11K12	9500	2/23	48	12.6	25.0	18.8*
Pine Creek	12L1	8700	2/25	46	11.6	16.0	12.5*
Rees's Flat	11K36	7300	2/21	29	5.2	13.4	9.8*
Shingle Mill	12L11	6200	2/28	28	6.4	8.2	7.7*
BEAVER RIVER							
Big Flat	12L7	10000	2/23	42	12.8	14.3	15.0*
Merchant's Valley	12L9	8200	2/23	32	8.1	7.4	8.5*
Otter Lake	12L8	9300	2/23	39	11.8	11.2	13.0*
PAROWAN CREEK							
Birch Crossing	12M16	8100	2/25	23	5.0	- -	- -
Brian Head	12M14	10400	2/25	59	16.8	- -	- -
Ed Ward Flat	12M12	8300	2/25	29	7.2	9.7	6.0*
Tall Poles	12M15	8800	2/25	42	10.9	- -	- -
Yankee Reservoir	12M11	8700	2/25	33	8.0	10.0	7.7*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG.-1964

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]
COAL CREEK							
CSU Ranch	12M17	8200	2/23	34	9.0	- -	- -
Cedar Breaks	12M1	10390	2/25	76	22.8	17.1	17.7*
Midway Valley x	12M2	9800	2/28	76	24.1	15.8	19.3*
Urie Flat	12M10	8450	2/28	31	8.3	6.4	6.4*
Webster Flat	12M3	9200	2/28	64	20.0	11.3	14.1*
ENTERPRISE TO NEW HARMONY DRAINAGES							
Little Grassy Creek	13M4	6100	3/1	15	4.1	0.0	3.1*
Long Flat	13M2	8000	3/1	31	7.6	6.9	4.6*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	2/16	27	6.0	14.4	- -
Buck Pasture A	10J23	9700	Delayed Report			21.0A	- -
Burnt Creek	9J14	7900	No Report			- -	- -
East Fk.Black's Fork G.S.	10J21	9300	2/16	23	5.6	13.4	- -
Henry's Fork A	10J24	10200	Delayed Report			19.0A	- -
Hewinta Guard Station	10J4	9500	2/17	27	5.8	12.5	7.5*
Hickerson Park	9J8	9100	2/24	18	3.3	6.7	- -
Spirit Lake	9J7	10300	2/24	35	8.5	11.9	- -
Steel Creek Park	10J20	9900	2/17	43	9.9	19.4	- -
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	Delayed Report			8.7A	- -
Grizzly Ridge	9J13	8500	No Report			- -	- -
Kings Cabin(lower)	9J2	8600	2/23	36	8.8	8.4	8.2*
Kings Cabin(upper)	9J1	8730	2/23	38	9.4	9.5	9.4*
Reynolds Park A	9J10	10400	Delayed Report			11.3A	- -
Windy Park A	9J12	9400	Delayed Report			7.6A	- -
DUCHESNE RIVER							
Atwood Basin A	10J27	10250	Delayed Report			13.0A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	Delayed Report			11.3A	- -
Daniels-Strawberry Smt.x	11J23	8000	2/25	43	12.0	14.2	13.4
East Portal x	11J7	7560	2/27	37	10.0	11.6	10.6
Five Point Lake A	10J26	11000	Delayed Report			19.2A	- -
Indian Canyon	10K1	9100	2/28	44	11.8	16.3	10.2
Julius Park	9J6	9800	2/25	46	11.6	11.0	11.7*
Lakefork Basin A	10J25	11100	Delayed Report			24.0A	- -
Lakefork Mountain	10J10	10500	2/28	40	10.2	12.8	10.1*
Lakefork Mountain #2	10J11	8900	2/28	31	7.6	8.9	7.1*
Lakefork Mountain #3	10J12	8100	2/28	28	6.4	7.4	5.9*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
DUCHESNE RIVER - Continued							
Mosby Mountain	9J5	9500	2/25	39	9.9	9.5	9.2*
Paradise Park	9J3	10100	2/25	46	12.5	10.8	10.6*
Soapstone R.S. x	11J25	7800	2/24	34	8.5	19.0	11.7
Strawberry Divide x	11J8	8000	2/27	51	14.8	20.8	17.7
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*
PRICE RIVER							
Corral	10K5	8200	3/3	41	11.2	12.8	7.6*
Dry Valley Divide	11K8	7800	3/1	31	8.6	13.2	10.2*
Gooseberry Reservoir	11K4	8700	2/24	44	12.5	18.2	17.0*
Grassy Trail Crk-Left Fk.	10K3	7970	3/3	43	11.0	11.0	8.5*
Indian Canyon x	10K1	9100	2/28	44	11.8	16.3	10.2
Jones Ranch	11K7	7600	3/1	23	6.7	8.8	7.3*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	2/24	47	13.6	19.8	17.5*
Mud Creek #2	11K33	8300	3/1	36	9.7	16.4	11.3*
Timberline	10K6	9100		No Report		15.7	11.2*
White River #1	10K2	8600	2/28	36	10.0	16.4	12.2*
White River #2	11K24	7600	2/28	27	6.6	10.7	8.5*
White River #3	11K25	7400	2/28	26	6.8	9.8	8.0*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	2/23	39	10.4	19.2	12.8*
Gooseberry Reservoir	11K4	8700	2/24	44	12.5	18.2	17.0*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	2/24	47	13.6	19.8	17.5*
Red Pine Ridge	11K28	9400	2/24	46	13.4	21.9	13.8*
Rush Pond	11K38	9800	2/23	36	9.1	17.4	11.6*
Seely Creek R.S.	11K9	10000	3/1	42	12.6	19.7	12.4*
Upper Joe's Valley	11K29	8800	2/24	32	7.7	13.3	7.9*
Wrigley Creek	11K32	9000	2/23	36	9.3	13.4	8.9*
MUDDY RIVER							
Mt. Baldy R.S. x	11K12	9500	2/23	48	12.6	25.0	18.8*
FREMONT RIVER							
Black's Flat-UM Creek	11L4	9250	2/23	33	7.8	11.3	8.3*
Farnsworth Lake x	11L1	9900	2/28	43	10.4	20.7	14.4*
Fish Lake	11L3	8700	2/23	24	5.0	7.8	6.6*
Johnson Valley	11L6	8850	2/23	24	5.2	8.8	7.1*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, ORE.-1964

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]
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	2/28	31	8.0	4.4	6.8
Widtsoe-Escalante #2	11M2	9500	2/28	35	8.6	5.8	9.0*
Widtsoe-Escalante #3	11M3	9500	2/28	45	11.6	6.0	11.6*
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	2/25	76	22.8	17.1	17.7*
Duck Creek R.S.	12M4	8560	2/25	56	16.3	11.3	12.8*
Harris Flat R.S.	12M5	7700	2/25	36	9.0	7.2	7.9*
Long Valley Jct.	12M6	7500	2/25	22	4.3	0.0	4.0*
Midway Valley x	12M2	9800	2/28	76	24.1	15.8	19.3*
Webster Flat	12M3	9200	2/28	64	20.0	11.3	14.1*
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	2/17	50	14.1	13.1	11.4*
Camp Jackson	9M2	8600	2/17	51	15.0	12.3	10.3*
LaSal Mountain	9L1	8800	2/18	38	9.0	7.4	8.7*
LaSal Mountain(upper)	9L2	9600		No Report		13.0	14.4*

USDA-SCS-PORTLAND, OREG. 1984

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)				a		a	
Chalk Creek #2*	8000	2/23	1.75	3.10	11.14	13.75	81
Chalk Creek #3*	7500	2/23	1.15	- -	8.85	- -	--
Kelly R. S.	8200	2/25	1.70	- -	10.10	- -	--
Monte Cristo #2	8960	2/25	3.25	5.20	19.37	23.30	83
Salt River Summit	7900	2/24	2.00	3.20	10.10	14.60	69
Trial Lake *	9800	2/24	2.86	3.90	16.54	19.45	85
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	2/25	2.85	3.90	16.94	17.85	95
Garden City Summit	7600	2/28	2.39	3.40	13.52	15.50	87
Klondike Narrows	7400	2/28	3.06	4.20	17.56	19.20	91
Little Bear (upper)	6850	3/1	- -	- -	15.58	15.80	99
Monte Cristo #2	8960	2/25	3.25	5.20	19.37	23.30	83
Tony Grove R.S.(SCS)	6250	2/28	2.35	- -	13.84	- -	--
Willow Flat	6100	2/24	2.45	4.10	14.99	19.50	77
OGDEN RIVER							
Ben Lomond(lower)	5850	2/24	4.25	4.85	21.15	21.15	100
Ben Lomond Trail	6000	2/24	4.34	5.10	22.32	22.15	101
Causey Dam	5500	2/25	2.17	- -	10.61	- -	--
Dry Bread Pond	8230	2/25	2.85	3.90	16.94	17.85	95
Horse Ridge	8260	2/23	- -	- -	15.26	- -	---
Monte Cristo #2*	8960	2/25	3.25	5.20	19.37	23.30	83
Sagebrush Flat	6300	2/25	2.13	2.45	11.06	11.80	94
WEBER RIVER							
Chalk Creek #1	9100	2/23	- -	- -	15.80	- -	--
Chalk Creek #2	8000	2/23	1.75	3.10	11.14	13.75	81
Chalk Creek #3	7500	2/23	1.15	- -	8.85	- -	--
Famington Guard Sta.(1)	7500	2/28	6.18	4.80	21.37	23.80	90
Farmington Rice (1)	7000	2/28	4.78	4.62a	18.53	21.74a	85
Horse Ridge	8260	2/23	- -	- -	15.26	- -	--
Lost Creek Reservoir	6125	2/23	- -	- -	8.88	- -	--
Parley's Canyon Smt.	7500	2/26	3.46	4.05	13.20	17.55	75
Redden Mine(upper)	9000	2/28	- -	- -	17.15	- -	--
Silver Lake(Brighton)*(2)	8725	2/28	2.98	5.05a	19.33	23.42a	83
Smith & Morehouse	7600	2/25	1.97	3.05	12.79	14.95	86
Trial Lake *	9800	2/24	2.86	3.90	16.54	19.45	85

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	2/23	1.90	2.60	10.65	13.60	78
Daniels-Strawberry Smt.	8000	2/25	2.90	3.00	13.51	14.80	91
Dutchman R.S.	7500	3/1	- -	4.25	15.60	21.51	73
East Portal Ridge	7800	2/27	3.18	- -	13.25	- -	--
Hobble Creek Smt.	7300	2/24	- -	- -	11.95	14.65	82
Payson R.S.	8050	2/24	3.40	3.00	13.39	14.65	91
Soapstone R.S.	7800	2/24	2.20	2.75	11.28	13.25	85
Strawberry Res.-E.Portal	7606	2/27	1.90	1.54a	8.57	8.76a	98
Timpanogos Divide	8200	2/25	4.65	4.25a	22.18	21.51a	103
Trial Lake	9800	2/24	2.86	3.90	16.54	19.45	85
JORDAN RIVER & TOOLE VALLEY							
Middle Canyon	7000	2/28	2.94	2.30	11.66	13.60	86
Mt. Dell Dam (2)	5500	2/28	2.35	2.41a	9.79	10.67a	92
Parley's Canyon Smt.	7500	2/26	3.46	4.05	13.20	17.55	75
Silver Lake(Brighton)(2)	8725	2/28	2.98	5.05a	19.33	23.42a	83
SEVIER RIVER ABOVE RICHFIELD							
Big Flat*	10290	2/23	3.22	3.65	12.07	14.85	81
Box Creek	9800	2/24	- -	- -	9.18	10.55	87
Castle Valley	9700	3/1	- -	- -	14.77	13.60	109
Cedar Breaks	10390	2/25	3.46	4.25	19.31	17.80	108
Duck Creek R.S.	8560	2/25	3.01	3.75	20.03	15.75	127
Fish Lake	8700	2/23	- -	1.20	6.11	6.00	102
Kimberly Mine	8900	No Report		3.55		14.50	--
Panguitch Lake	8200	3/1	- -	- -	7.40	6.10	121
Webster Flat *	9200	2/28	3.62	4.10	22.18	17.00	130
Widtsoe-Escalante #3	9500	2/28	1.92	2.15	11.32	10.35	109
Widtsoe R.S.	7600	2/28	0.46	0.80a	3.76	4.26a	88
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	2/23	- -	3.10	8.53	12.05	71
Farnsworth Lake	9900	2/28	4.32	3.90	10.84	15.05	72
G.B.R.C. Headquarters(1)	8700	3/1	3.30	3.74a	10.60	14.90a	71
G.B.R.C Meadows (1)	10000	3/1	4.83	4.15a	14.77	16.46a	90
G.B.R.C. Oaks (1)	7655	3/1	1.98	2.65a	6.70	10.38a	65
Gooseberry R.S. (1)	7800	2/28	2.88	2.70	7.87	10.35	76
Gooseberry Reservoir *	8700	2/24	3.80	3.50	13.57	15.25	89
Mammoth R.S. #2 *	8600	2/24	3.89	3.45	13.56	15.10	90
Mt. Baldy	9500	2/23	- -	- -	11.05	- -	--
Pine Creek	8700	2/25	- -	- -	16.20	18.85	86
Shingle Mill	6200	2/28	3.90	2.75	10.42	11.80	88

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	2/28	1.66	2.02a	6.98	7.89a	88
Big Flat	10290	2/23	3.22	3.65	12.07	14.85	81
Merchant Valley	8650	2/23	2.07	- -	9.45	- -	--
PAROWAN CREEK							
Tall Poles	8800	2/25	2.45	- -	11.43	- -	--
Yankee Reservoir	8700	2/25	2.00	2.30	9.44	9.65	98
COAL CREEK							
Cedar Breaks	10390	2/25	3.46	4.25	19.31	17.80	108
Webster Flat*	9200	2/28	3.62	4.10	22.18	17.00	130
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	3/1	- -	- -	16.22	9.60	169
Long Flat	8000	3/1	- -	- -	12.62	11.30	112
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	2/16	- -	- -	6.26	- -	--
Burnt Creek	7900	3/1	0.65	- -	5.77	- -	--
E.F. Black's Fork G.S.	9300	2/16	- -	- -	6.49	- -	--
Hewinta G.S.	9500	2/17	- -	- -	7.45	- -	--
Spirit Lake	10300	2/24	- -	- -	9.10	- -	--
Steel Creek Park	9900	2/17	- -	- -	7.86	- -	--
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	3/1	2.07	- -	10.90	- -	--
King's Cabin(upper)	8730	2/23	- -	- -	9.35	10.75	87
DUCHESNE RIVER							
Daniels-Strawberry Smt.*	8000	2/25	2.90	3.00	13.51	14.80	91
East Portal Ridge *	7800	2/27	3.18	- -	13.25	- -	--
Indian Canyon	9100	2/28	1.66	2.55	12.50	12.70	98
Julius Park	9800	2/25	- -	2.50	10.79	12.25	88
Lakefork Mountain	10500	2/28	1.22	2.50	9.85	11.65	85
Moon Lake	8150	2/27	0.80	1.19a	6.85	7.11a	96
Paradise Park	10100	2/25	- -	2.65	12.69	13.15	96
Soapstone R.S.	7800	2/24	2.20	2.75	11.28	13.25	85
Strawberry Res.-E.Portal*	7606	2/27	1.90	1.54a	8.57	8.76a	98
Trial Lake*	9800	2/24	2.86	3.90	16.54	19.45	85

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
PRICE RIVER							
Clear Creek Ridge #2*	8000	2/23	1.90	2.60	10.65	13.60	78
Gooseberry Reservoir	8700	2/24	3.80	3.50	13.57	15.25	89
Indian Canyon	9100	2/28	1.66	2.55	12.50	12.70	98
Mammoth R.S. #2	8600	2/24	3.89	3.45	13.56	15.10	90
Mud Creek	8300	3/1	2.00	2.60	9.95	12.90	77
White River #1	8600	2/28	- -	---	9.05	13.35	68
SAN RAFAEL RIVER							
Buck Flat	9400	2/23	2.55	3.40	10.15	13.55	75
G.B.R.C. Meadows *(1)	10000	3/1	4.83	4.15	14.77	16.46	90
Gooseberry Reservoir *	8700	2/24	3.80	3.50	13.57	15.25	89
Orange Olsen		2/24	1.20	- -	5.15	- -	--
Red Pine Ridge	9400	2/24	3.00	4.30	12.80	16.40	78
MUDDY RIVER							
Mt. Baldy R.S.*	9500	2/23	- -	- -	11.05	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M.Creek	9250	2/23	- -	- -	7.24	9.55	76
Farnsworth Lake*	9900	2/28	4.32	3.90	10.84	15.05	72
Fish Lake	8700	2/23	- -	1.20	6.11	6.00	102
Widtsoe-Escalante #3	9500	2/28	1.92	2.15	11.32	10.35	109
VIRGIN RIVER							
Duck Creek R.S.	8560	2/25	3.01	3.75	20.03	15.75	127
Webster Flat	9200	2/28	3.62	4.10	22.18	17.00	130
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	2/17	- -	- -	17.10	17.25	99
Camp Jackson	8600	2/17	- -	- -	16.30	13.60	120
LaSal Mountain(upper)	9600	No Report			No Report	16.40	--

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

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, 1966

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

APRIL 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL
and
Patricia Paramore

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

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

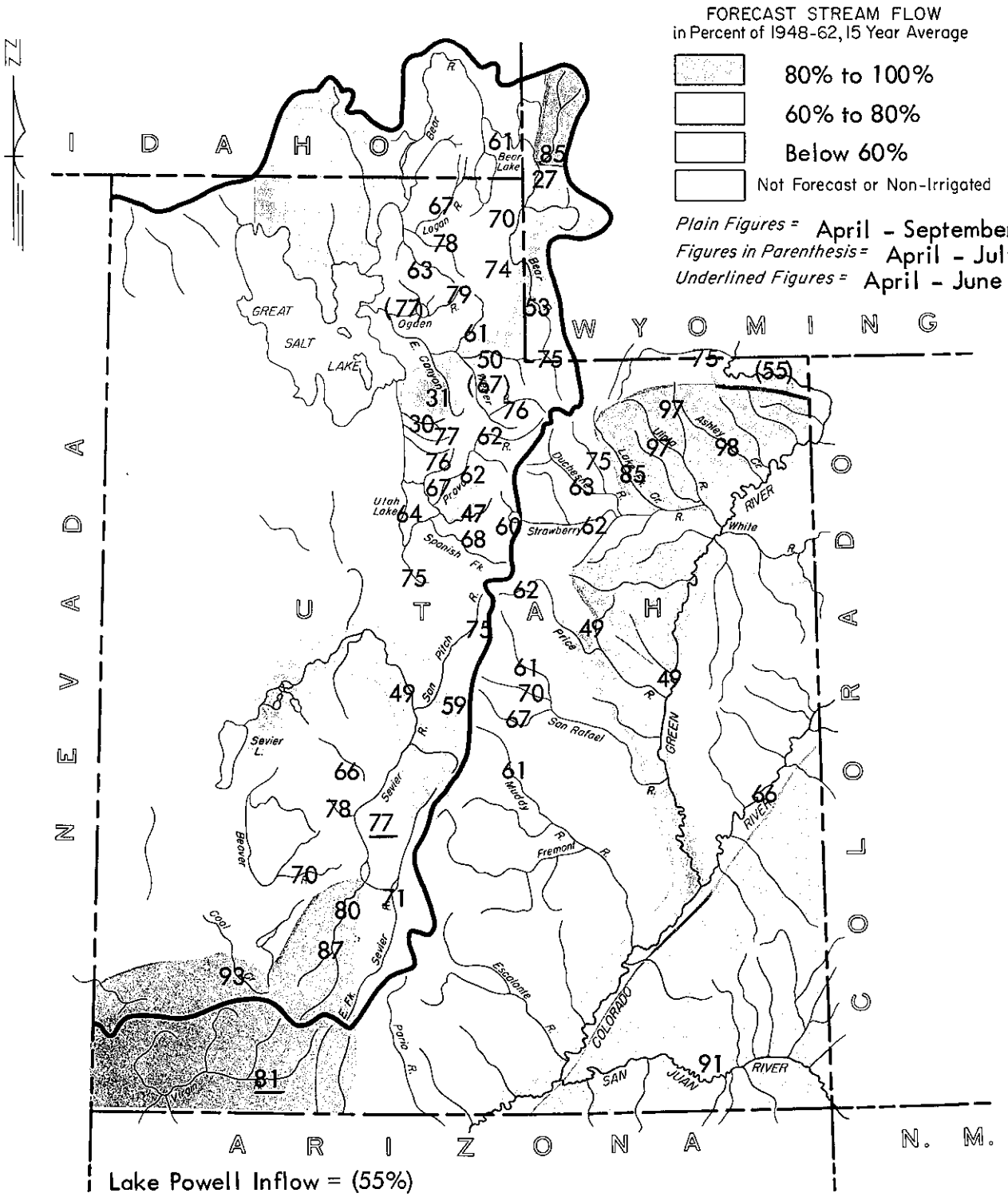
J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

April 1, 1966
Approximate Date

50 0 50 100
SCALE IN MILES



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

7-0-16150-L

WATER SUPPLY OUTLOOK

APRIL 7, 1966

* *
* Very poor to only fair water supplies are expected for most water *
* users in central and northern areas of the state who do not have *
* good reservoir storage rights. Most streams in these areas are *
* forecast to yield from about 25% to 65% of average flows. *
* Storage in 14 of the principal neservoirs of the state is 124% of *
* the 1948-62 average and should assure adequate supplies for those *
* owning this water. Reservoirs will experience severe drawdown *
* during the summer. Fairly good streamflow is expected in the *
* southeast and southwestern corners of the state, and in the east- *
* ern half of the Uintah Basin. *
* *

March weather has caused severe reductions in the prospects for this summer's streamflow. Mountain precipitation during the month was generally between 25% and 65% of average, with a few stations in northern Utah receiving 65% to 85%. In addition to the light precipitation, the abnormally high temperatures also reduced the water outlook by early melting and evaporation of the snowpack. Most snow courses lost snowpack water during the month, instead of gaining. To illustrate, the Dutchman snow course on the American Fork river ordinarily gains 2.9 inches of water during March, but this year it lost 3.7 inches. At Soapstone Ranger Station on the Provo river the snow course usually picks up 1.9 inches water, but this year it lost 2.1 inches. In southern Utah at Webster Flat on the Virgin river the usual gain is 2.7 inches, but this year it lost 3.9 inches water.

The combined result of the light precipitation and early reduction of the snowpack has been to cause most forecasts to drop 20% to 50% lower than forecast a month ago. The best outlook for the summer's streamflow still remains in southern and eastern areas. From 80% to near average flow is still expected from the Virgin river, the Sevier river above Circleville, Coal Creek near Cedar City, streams near Moab, Monticello and Blanding, Uintah Basin streams from Lakefork river eastward to Ashley and Brush Creeks north of Vernal, and smaller streams in east Carbon county.

Lowest forecasts include the following, with the forecast percent following each station. Bear river near Randolph 27%, Parleys Creek near Salt Lake 30%, East Canyon Creek near Morgan 31%, Hobble Creek near Springville 47%, Sevier river near Gunnison 49%, Chalk Creek near Coalville 50%, Bear river near Woodruff 53%.

Forecasts for the rest of the state range between 55% and 80% of average. In the higher part of this bracket, between 70% and 80% is expected from the Ogden river, Blacksmith Fork near Hyrum, the smaller streams near Woodruff and Randolph in Rich county, the upper Weber and Bear rivers, north slope Uintah mountain streams in Summit and Daggett counties, the Cottonwood Creeks near Salt Lake, Payson Creek, Rock Creek near Mountain Home and streams near Mt. Pleasant, the East Fork Sevier river, the Beaver river, Sevier river inflow from Kingston to Vermillion Dam, Escalante and Paria rivers, Parowan Creek.

USDA-SCS-PORTLAND, OREG. 1963

WATER SUPPLY OUTLOOK (continued)

The water outlook is very poor for water users dependent on natural streamflow who are served by the following listed rivers and streams. Here, streamflow is expected to be from 55% to 70% of average: streams near Ephraim, Mayfield and Salina, Chalk Creek and smaller streams near Fillmore; most streams in Carbon, Emery and Wayne counties, inflow to Utah Lake and Strawberry reservoir, Provo, Spanish Fork and American Fork rivers, strawberry and Duchesne rivers, streams near Tooele and Farmington, Lost Creek near Croydon, and the Little Bear and Logan rivers in Cache Valley.

If the dry weather which has persisted for the past three months throughout much of the state should continue on thru most of April and May, most of the streams where the outlook is already poor can be expected to nearly equal or fall below previous record low flows.

A few snowpack figures will illustrate how seriously low the snowpack is in several key areas. At Gooseberry Ranger Station on Salina Creek the present snowpack contained 5.8 inches of water. The record low of 5.3 inches was recorded in 1934. This year's reading is below the previous second place low of 5.9 set in 1931. Average for April 1st is 11.7 inches.

At the G.B.R.C. Headquarters snow course on Ephraim Creek the snow contained 9.4 inches of water. The record low is 8.0 inches, established in 1931. This year's reading is below the previous second place low of 10.8 inches recorded in 1934. The April 1st average is 18.1 inches.

Farther north in the state, the Soapstone Ranger Station course on the Provo river recorded 6.4 inches snow water, compared to the average of 13.6 inches. In 1934 there was only a trace of snow here, in 1931 the reading was 4.8 inches. This year's reading is below the previous third place low reading of 7.4 recorded in 1961. At the Mill D South Fork snow course on Big Cottonwood Creek near Salt Lake, the present reading of 9.5 inches water established a new record low. Previous low was 12.8 inches measured in 1963. However, readings at this snow course commenced in 1935, just after the drought years of 1931 and 1934. Average water content for this time of year is 21.4 inches.

The dry, warm weather of March also extended to the headwaters of the Green and Colorado rivers in Wyoming and Colorado, causing the water outlook to drop for these streams. The April-September streamflow for the Green river near Green river, Utah is now forecast at 49% of the 1948-62 average. The Colorado river near Cisco, Utah is expected to yield 66%, while the San Juan river near Bluff is higher at 91%.

The April-July inflow to Lake Powell is forecast at 4,200,000 acre feet, or 55% of the 1948-62 (15-year) average. Flaming Gorge inflow on the Green river is forecast at 620,000 acre feet for the April-July period, or 55% of the same 15-year average.

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 at Harer, Idaho	157	Apr-Sept	511	258	61
Bear nr Randolph	25	Apr-Sept	229	94	27
Bear nr Ut-Wyo State Line	86	Apr-Sept	194	115	75
Bear nr Woodruff	62	Apr-Sept	241	117	53
Big Crk nr Randolph, Utah	6	Apr-Sept	13.0	8.6*	70
Blacksmith Fork nr Hyrum (4)	49	Apr-Sept	83	63	78
Little Bear nr Paradise	24	Apr-June	38	38	63
Logan nr Logan (3)	89	Apr-Sept	183	133	67
Smith's Fork nr Border, Wyoming	95	Apr-Sept	164	112	85
Woodruff Crk nr Woodruff, Utah	13	Apr-Sept	26.0	17.6*	74
WEBER-OGDEN RIVERS					
Chalk Crk at Coalville	18	Apr-Sept	68	36	50
East Canyon Crk nr Morgan (7)	8	Apr-Sept	46	25.6	31
Lost Crk nr Croydon, Utah	11	Apr-Sept	30	18.1	61
Pineview Reservoir Inflow (8)	88	Apr-July	148	115	77
So Fork Ogden nr Huntsville	49	Apr-Sept	90	62	79
Rockport Reservoir Inflow (5)	78	Apr-July	- -	117*	67
Weber nr Coalville (6)	83	Apr-Sept	222	128	65
Weber nr Oakley	75	Apr-June	128	100	75
	94	Apr-Sept	188	123	76
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	22	Apr-Sept	42	33	67
Hobble Crk nr Springville	10	Apr-Sept	- -	21.2	47
Payson Creek nr Payson	5.5	Apr-Sept	- -	7.3	75
Provo nr Hailstone (10)	68	Apr-Sept	168	109*	62
Provo at Vivian Park (11)	89	Apr-Sept	- -	144	62
Spanish Fork at Thistle	27	Apr-Sept	48	40	68
Strawberry Reservoir Inflow (9)	30	Apr-Sept	79	50	60
Utah Lake Inflow	180	Apr-Sept	381	282	64
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	30	Apr-Sept	48	39	77
Little Cottonwood Crk nr SLC	29	Apr-Sept	53	38	76
Parley's Crk nr SLC	4	Apr-Sept	19	13.3	30

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) 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, ORES 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
SEVIER RIVER					
Chalk Creek nr Fillmore	11	Apr-Sept	- -	16.7	66
Clear Crk nr Sevier (abv. Div.)	10	Apr-June	- -	12.9*	78
East Fork Sevier nr Kingston (12)	11	Apr-June	- -	15.8	70
	14	Apr-Sept	24.5	19.8	71
Inflow					
Kingston to Vermillion Dam	30	Apr-June	- -	39	77
Vermillion Dam to Gunnison	41	Mar-June	- -	59	69
Salina Crk at Salina (14)	0.3	Apr-June	18.6	8.3*	4
Sevier nr Circleville	32	Apr-Sept	54	40*	80
Sevier nr Gunnison	27	Apr-Sept	68	55	49
Sevier at Hatch	27	Apr-June	43	32	84
	39	Apr-Sept	63	45	87
Sevier nr Kingston	14	Apr-June	26.2	21.0	67
	18	Apr-Sept	35	25.5	71
Sevier below Piute Dam (13)	33	Apr-Sept	- -	45	73
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	9	Apr-Sept	- -	15.2	59
Pleasant Crk nr Mt. Pleasant	7.3	Apr-Sept	12.1	9.7*	75
Twin Crk nr Mt. Pleasant	3.4	Apr-Sept	6.7	4.7*	72
BEAVER RIVER					
Beaver nr Beaver	13.5	Apr-June	16.5	18.0	75
	17	Apr-Sept	28.5	24.3	70
Rockyford Reservoir Inflow (15)	2.5	Apr-June	- -	7.8	32
COAL CREEK					
Coal Crk nr Cedar City	15	Apr-Sept	27.6	16.0	93
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	55	Apr-Sept	- -	56	98
Henry's Fork at Linwood	25	Apr-Sept	- -	34	75

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

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)	26	Apr-Sept	- -	35*	74
Duchesne nr Tabiona (16)	72	Apr-Sept	183	114	63
Lakefork below Moon Lake (17)	61	Apr-Sept	127	72	85
Rock Crk nr Mtn. Home	77	Apr-Sept	163	102	75
Strawberry at Duchesne	45	Apr-Sept	- -	72	62
Uinta nr Neola	92	Apr-Sept	201	95	97
Whiterocks nr Whiterocks	61	Apr-Sept	102	63	97
Yellowstone nr Altonah	62	Apr-Sept	137	73	85
PRICE RIVER					
Gooseberry Crk nr Scofield	8.7	Apr-Sept	15.1	11.9	73
Price nr Heiner (18)	33	Apr-Sept	- -	68	49
Scofield Reservoir Inflow (18)	23	Apr-Sept	- -	37	62
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	39	Apr-Sept	96	55	70
Ferron Crk nr Ferron	28	Apr-Sept	63	42	67
Huntington Crk nr Huntington	34	Apr-Sept	85	56	61
MUDDY RIVER					
Muddy Creek nr Emery	14	Apr-Sept	31	22.8*	61
VIRGIN RIVER					
Virgin nr Virgin	35	Apr-June	- -	43	81
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	2500	Apr-Sept	5442	3789	66
Flaming Gorge Inflow (19)	620	Apr-July	1251	1129	55
Lake Powell Inflow (8)	4200	Apr-July	11810	7692	55
Green at Green River, Utah (19)	1650	Apr-Sept	- -	3368	49
San Juan nr Bluff, Utah (20)	1070	Apr-Sept	2090	1172	91

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

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) 1948-62, 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	1,421.0	1,131.4	948.0	920.0
	Woodruff Narrows	26.5	26.5	18.9	- -
Beaver River	Rocky Ford	23.3	15.5	9.4	14.0
Little Bear	Hyrum	15.3	13.4	6.7	12.3
	Porcupine	11.3	4.0c	4.0	- -
Ogden	Causey	7.1	4.5	- -	- -
	Pineview	110.0	68.0	62.0	12.7
Provo	Deer Creek	149.7	116.5	92.1	94.6
Sevier River	Otter Creek	52.5	36.4	21.9	32.4
	Piute	74.0	58.7	29.2	45.4
	Sevier Bridge	236.1	130.1	60.0	124.4
Spanish Fork	Strawberry	270.0	120.7	66.6	138.5
Utah Lake	Utah Lake (b)	1,149.0	782.8	492.0	627.3
Weber	East Canyon	48.1	5.3	0.0	14.7
	Echo	73.9	59.7	46.1	35.3
	Rockport	60.9	48.0	33.5	- -
	Willard Bay	195.0	118.8	85.2	- -
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	22.5	16.6	- -
Colorado	Lake Powell	27,000.0*	8,907.0	6,222.0	- -
Green	Flaming Gorge	3,789.0*	2,414.3	669.3	- -
Lake Fork	Moon Lake	35.8	30.3	12.9	16.2
Price River	Scofield	65.8	55.1	15.2	21.2
San Juan	Navajo	1,709.0*	260.7	254.2	- -

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

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated. (d) Total capacity reported.

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	60	75
Smith's Fork - Bear River (Wyo.)	5	51	72
Emigration Creek (Idaho)	2	62	78
Strawberry-Mink Creeks (Ida)	3	80	84
Cub River (Ida)	3	83	69
Logan River	6	55	73
Blacksmith Fork-Little Bear	5	77	78
Malad River (Idaho)	1	38	51
Ogden River	5	78	77
Weber River above Echo Dam	8	57	67
Chalk Creek - Coalville	3	61	80
East Canyon Creek	3	60	69
Farmington Creek	2	60	69
Salt Lake Area	4	55	63
Tooele Area	3	63	67
American Fork River	3	72	65
Provo River above Vivian Park	6	56	64
Strawberry Reservoir Valley	3	67	74
Hobble Creek	2	45	50
Spanish Fork River	5	54	61
Mt. Nebo Area	2	73	72
Sevier River above Panguitch	6	80	69
East Fork Sevier River	4	92	74
Clear Creek above Sevier	1	77	77
Salina Creek	2	40	56
Mt. Pleasant Area	3	64	69
Ephraim Area	2	50	60
Manti Area	2	66	69
Mayfield Area	2	48	50
Chicken Creek-Levan	1	57	67
Chalk Creek - Fillmore	3	99	95
Beaver River	3	73	68
Parowan Creek	3	62	72
Coal Creek - Cedar City	4	97	93
New Harmony - Newcastle	1	13	19
COLORADO RIVER BASIN IN UTAH			
Duchesne River above Tabiona	3	52	64
Strawberry River	4	59	76
Lakefork River	3	64	71
Whiterocks - Uintah Rivers	3	107	84
Ashley - Brush Creeks	4	111	90
Price River	7	53	65
San Rafael Tributaries	9	53	66
Muddy River	2	66	67
Fremont River	3	44	55
Escalante River	3	102	74
Virgin River	4	92	80
LaSal Mtns. near Moab	2	90	87
Blue Mtns. nr Monticello	2	97	98

** Actual or Estimated 1948-62, 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]

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	3/28	49	16.3	29.2	21.1*
Burts-Miller Ranch	10J6	7900	3/25	15	5.5	8.9	6.6
CCC Camp x	10G7	7500	3/30	28	7.6	16.6	12.0
Hayden Fork	10J7	9300	3/25	41	12.8	21.4	18.0*
Kelly Ranger Station	10G12	8200	3/28	45	14.3	27.4	18.6*
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Piney LaBarge 2 x	10G10	8820	3/29	42	15.4	35.2	21.0
Poison Meadows x	10G6	8500	3/29	62	21.4	42.0	29.7
Salt River Summit x	10G8	7900	3/30	38	11.5	19.6	16.0
Stillwater Camp	10J17	8550	3/25	30	9.6	15.8	12.5*
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.5	12.9	13.2*
Christensen Ranch	11G11	5600	4/1	17	5.4	7.3	8.6*
Cub River R.S.	11G12	5400	3/31	12	5.2	4.0	7.6*
Dry Bread Pond x	11H13	8230	3/29	42	14.7	19.0	19.6
Dry Creek Flat	12G4	6350	3/29	Trace	Trace	3.2	4.1*
Emigration Canyon	11G7	6500	3/29	23	8.7	12.2	10.5*
Emigrant Summit	11G6	7700	3/29	47	17.9	33.7	24.9
Franklin Basin	11G8	8200	3/30	57	22.2	39.4	29.1
Garden City Summit	11H7	7600	3/30	43	14.8	25.8	20.2
Klondike Narrows	11H1	7400	3/30	37	14.6	28.9	21.5*
Little Bear(lower)	11H26	6100	3/25	23	9.0	7.1	9.1*
Little Bear(upper)	11H25	6850	3/25	29	11.4	10.8	12.5*
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Oxford Mountain	12G3	6800	3/29	13	4.2	11.0	8.2*
Slug Creek Divide	11G5	7225	3/29	37	13.2	21.8	16.2
Steep Hollow #1	11H27	8500	3/30	74	30.0	52.3	37.0*
Steep Hollow #2	11H28	7700	3/30	49	20.5	38.2	28.0*
Strawberry Creek	11G9	5800	4/1	19	7.1	12.0	12.1*
Strawberry Mink Divide	11G10	6800	4/1	34	12.6	27.7	22.6
Tony Grove R.S.	11H3	6250	3/30	18	7.5	13.8	11.0
Willow Flat	11G4	6100	3/31	24	9.7	15.7	15.2*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.5	12.9	13.2*
Ben Lomond(lower)	11H9	5850	3/28	31	12.3	14.0	16.0*
Ben Lomond Peak	11H8	8000	3/28	71	30.4	37.5	36.0*
Ben Lomond Trail	11H30	6000	3/28	32	13.3	14.9	- -
Cutler Creek	11H29	6780	3/28	53	21.2	29.8	- -

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, ORE. 1964

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	3/29	42	14.7	19.0	19.6
Horse Ridge	11H21	8260	3/24	50	18.1	27.8	- -
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Sagebrush Flat	11H15	6300	3/29	0	0.0	1.0	2.3*
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	3/31	8	3.7	11.9	9.2
Chalk Creek #1	11J1	9100	3/28	57	20.5	31.5	25.1*
Chalk Creek #2	11J2	8000	3/28	38	12.9	20.4	16.0*
Chalk Creek #3	11J3	7500	3/28	14	6.0	10.8	7.9*
Farmington Canyon(lower)	11J12	6950	3/30	39	16.2	25.5	25.4*
Farmington Canyon(upper)	11J11	8000	3/30	62	21.9	39.3	29.4*
Horse Ridge	11H21	8260	3/24	50	18.1	27.8	- -
Kilfore Creek	11H31	7300	3/24	40	12.9	16.5	- -
Lamb's Canyon x	11J14	6600	3/30	28	9.8	19.0	15.8
Lost Creek Reservoir	11H32	6125	3/24	8	3.2	T	- -
Parley's Canyon Smt.	11J15	7500	3/26	38	13.2	25.3	19.6
Redden Mine(lower)	11J6	8500	3/30	39	14.7	22.6	20.4
Redden Mine(upper)	11J5	9000	3/30	43	17.0	25.5	21.7
Silver Lake x	11J16	8725	3/31	54	21.0	27.3	27.4
Smith & Morehouse	11J4	7600	3/29	26	9.5	17.2	13.8
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	3/30	26	10.6	14.6	17.6
Clear Creek Ridge #1	11K21	9200	3/28	40	13.8	23.7	19.2*
Clear Creek Ridge #2	11K22	8000	3/28	31	9.9	17.8	14.1*
Clear Creek Ridge #3	11K23	6600	3/28	2	1.1	8.9	6.2*
Daniels-Strawberry Smt.	11J23	8000	3/30	32	12.0	17.2	16.3
Dutchman R.S.	11J17	7500	3/30	28	11.2	18.0	20.0
East Portal	11J7	7560	3/30	30	9.6	14.4	12.8
Hobble Creek Summit	11J22	7300	3/29	20	8.4	16.0	14.7
Packard Canyon	11J31	6400	3/29	10	4.4	11.7	10.5*
Payson R.S.	11K1	8050	3/27	41	16.1	19.5	19.1
Rock Bridge	11K2	6750	3/27	19	7.8	12.3	13.2*
Soapstone R.S.	11J25	7800	3/31	16	6.4	19.7	13.6
South Fork R.S.	11J19	6100	3/30	0	0.0	3.4	5.2
Strawberry Divide	11J8	8000	3/30	44	15.9	25.0	21.5
Timpanogos Cave Camp	11J18	5500	3/30	0	0.0	0.0	2.2
Timpanogos Divide	11J21	8140	3/30	52	21.4	26.2	26.6
Trial Lake	10J8	9800	3/31	56	19.6	36.0	28.0
JORDAN RIVER & TOOELE VALLEY							
Bevan's Cabin	12J2	6450	3/25	20	8.3	12.4	11.3*
Lamb's Canyon	11J14	6600	3/30	28	9.8	19.0	15.8
Middle Canyon - Tooele	12J3	7000	3/29	23	8.6	15.1	14.8*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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 - Continued							
Mill D South Fork	11J10	7400	3/31	28	9.5	24.7	21.4
Parley's Canyon Smt. x	11J15	7500	3/26	38	13.2	25.3	19.6
Rocky Basin-Setlment Cyn.	12J1	8900	3/25	55	18.7	28.7	27.0*
Silver Lake	11J16	8725	3/31	54	21.0	27.3	27.4
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	3/28	44	14.2	18.7	19.7
Box Creek	12L4	9800	3/28	32	10.0	15.7	13.2*
Bryce Canyon	12M8	8000	3/30	0	0.0	4.2	3.8
Castle Valley	12M13	9700	3/31	26	10.3	12.2	14.5*
Cedar Breaks	12M1	10390	3/29	54	21.2	20.9	22.7
Duck Creek R.S.	12M4	8560	3/29	30	12.8	13.0	15.2
Fish Lake	11L3	8700	4/5	0	0.0	9.7	8.3
Harris Flat R.S.	12M5	7700	3/29	9	3.4	8.8	7.9
Kimberly Mine	12L6	8900	3/24	36	12.6	16.4	16.3
Long Valley Jct. x	12M6	7500	3/29	0	0.0	0.0	2.7
Midway Valley	12M2	9800	3/29	62	23.0	19.8	23.7*
Panguitch Lake	12M7	8200	3/31	3	1.0	2.4	4.2
Squaw Springs	12L5	9300	3/28	16	5.2	8.3	7.4*
Widtsoe-Escalante Smt.	11M1	9500	3/25	12	4.6	6.7	7.4
Widtsoe-Escalante #2	11M2	9500	3/25	29	8.6	7.8	10.8*
Widtsoe-Escalante #3	11M3	9500	3/25	37	10.8	8.6	13.5*
LOWER SEVIER RIVER (Including San Pitch River)							
Bear Canyon	12L3	7200	3/30	17	6.1	10.6	10.3*
Beaver Dams	11K13	8000	3/29	15	5.0	13.3	13.2*
Farnsworth Lake	11L1	9900	3/30	37	11.7	25.6	18.6*
G.B.R.C. Headquarters	11K11	8700	3/31	28	9.4	21.3	18.1
G.B.R.C. Meadows	11K10	10000	3/31	50	18.2	31.9	26.9
Gooseberry R.S.	11L2	8400	3/30	19	5.8	16.9	11.7
Gooseberry Reservoir x	11K4	8700	3/28	40	13.7	22.5	20.8
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Mammoth R.S.-Ctnwood Crk.	11K3	8800	3/28	42	15.2	23.0	21.6
Middle Fork	11K34	9600	3/25	51	17.4	25.8	25.1*
Mt. Baldy R.S.	11K12	9500	3/29	46	15.4	26.7	24.5*
Pickle Keg Springs	11K39	9600	4/1	26	9.4	18.3	- -
Pine Creek	12L1	8700	3/29	27	10.6	17.7	16.5
Rees's Flat	11K36	7300	3/24	29	8.6	15.1	12.9*
Salina Creek(lower)	11L8	7250	4/1	0	0.0	2.2	- -
Shingle Mill	12L11	6200	3/30	19	6.8	8.6	10.2*
Thistle Flat	11K35	8500	3/25	36	12.0	18.5	17.3*
White Gate	11L7	9350	4/1	15	5.8	13.4	- -

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
BEAVER RIVER							
Big Flat	12L7	10000	3/28	44	14.2	18.7	19.7
Merchant's Valley	12L9	8200	3/28	22	6.6	9.4	10.8
Otter Lake	12L8	9300	3/28	36	11.7	16.2	16.2
PAROWAN CREEK							
Birch Crossing	12M16	8100	3/29	2	0.8	9.7	- -
Brian Head	12M14	10400	3/29	51	18.5	21.9	- -
Ed Ward Flat	12M12	8300	3/29	13	4.2	11.8	7.7
Tall Poles	12M15	8800	3/29	28	10.2	18.0	- -
Yankee Reservoir	12M11	8700	3/29	23	7.1	14.6	10.3
COAL CREEK							
CSU Ranch	12M17	8200	3/30	2	1.0	- -	- -
Cedar Breaks	12M1	10390	3/29	54	21.2	20.9	22.7
Midway Valley x	12M2	9800	3/29	62	23.0	19.8	23.7*
Urie Flat	12M10	8450	3/30	2	0.8	8.1	6.2*
Webster Flat	12M3	9200	3/30	40	16.1	14.2	16.8
ENTERPRISE TO NEW HARMONY DRAINAGES							
Little Grassy Creek	13M4	6100	3/30	0	0.0	0.0	0.6*
Long Flat	13M2	8000	3/31	3	1.0	7.9	5.4*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH							
(Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	3/22	30	7.0	15.5	- -
Buck Pasture A	10J23	9700	3/14	45	10.8		- -
E.Fk. Black's Fk. G.S.	10J21	9300	3/22	28	6.3	14.8	- -
Henry's Fork A	10J24	10200	3/14	37	8.9		- -
Hewinta Guard Station	10J4	9500	3/23	30	7.3	13.2	10.6
Hickerson Park	9J8	9100	3/25	16	3.5	7.4	- -
Hole-in-the-Rock	10J1	9150	3/24	17	4.0	6.0	6.9
Hole-in-the-Rock G.S.	10J3	8300	3/24	1	0.3	3.5	2.1*
Middle Beaver Creek	10J2	8550	3/24	11	3.3	6.6	6.0*
Spirit Lake	9J7	10300	3/25	38	9.8	12.9	- -
Steel Creek Park	10J20	9900	3/23	51	12.4	21.8	- -
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	3/14	58	15.4		- -
King's Cabin(lower)	9J2	8600	3/24	34	9.6	8.5	10.1
King's Cabin(upper)	9J1	8730	3/24	39	10.1	9.1	11.6
Reynolds Park A	9J10	10400	3/14	62	16.4		- -
Windy Park A	9J12	9400	3/14	36	9.4		- -

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG.-1964

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							
Atwood Basin A	10J27	10250	3/14	36	9.9		- -
Brown Duck Lake	10J9	10300	3/30	41	11.9	20.2	18.6
Chepeta-Whiterocks Lks.A	9J9	10300	3/14	48	12.7		- -
Currant Creek	11J32	7800	3/31	14	5.2	11.3	9.5*
Daniels-Strawberry Smt.x	11J23	8000	3/30	32	12.0	17.2	16.3
East Portal x	11J7	7560	3/30	30	9.6	14.4	12.8
Five Point Lake A	10J26	11000	3/14	62	15.5		- -
Indian Canyon	10K1	9100	3/28	41	13.1	19.2	13.1
Jackson Park	10J19	11300	3/22	48	12.8	13.4	14.3*
Julius Park	9J6	9800	3/28	42	11.6	11.4	15.9*
Lakefork Basin A	10J25	11100	3/14	56	13.7		- -
Lakefork Mountain	10J10	10500	3/29	38	10.3	13.9	12.8
Lakefork Mountain #2	10J11	8900	3/29	19	5.7	9.5	8.4*
Lakefork Mountain #3	10J12	8100	3/29	16	5.3	8.3	6.3*
Mosby Mountain	9J5	9500	3/28	35	9.8	9.9	11.7
Paradise Park	9J3	10100	3/28	42	13.0	10.8	13.6
Rock Creek	10J18	7900	4/1	10	4.2	7.5	6.6*
Soapstone R.S. x	11J25	7800	3/31	16	6.4	19.7	13.6
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0
White River #1 x	10K2	8600	4/1	25	7.8	19.2	14.3*
PRICE RIVER							
Corral	10K5	8200	4/4	16	5.5	12.7	7.9*
Dry Valley Divide	11K8	7800	3/31	17	5.2	14.2	11.7
Gooseberry Reservoir	11K4	8700	3/28	40	13.7	22.5	20.8
Grassy Trail Crk-Left Fk.	10K3	7970	4/4	21	6.8	12.0	9.7*
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Indian Canyon x	10K1	9100	3/28	41	13.1	19.2	13.1
Jones Ranch	11K7	7600	3/31	0	0.0	10.0	6.9
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	3/25	42	15.2	23.0	21.6
Mud Creek #2	11K33	8300	3/31	21	6.5	20.4	13.5*
Timberline	10K6	9100	4/4	46	15.0	19.1	14.5*
White River #1	10K2	8600	4/1	25	7.8	19.2	14.3*
White River #2	11K24	7600	4/1	9	3.5	11.7	8.7*
White River #3	11K25	7400	4/1	0	0.0	11.0	8.4*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	3/28	35	10.5	21.4	17.0*
Gooseberry Reservoir x	11K4	8700	3/28	40	13.7	22.5	20.8
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	3/25	42	15.2	23.0	21.6
Red Pine Ridge	11K28	9400	3/29	38	13.2	25.4	18.0*
Rush Pond	11K38	9800	3/28	30	8.0	19.5	14.7*
Seely Creek R.S.	11K9	10000	3/31	38	11.4	21.3	16.7

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
SAN RAFAEL RIVER - Continued							
Stuart R.S.	11K27	7950	3/30	11	3.8	13.8	8.1*
Switchback	11K26	8600	3/30	33	10.5	20.2	17.3*
Upper Joe's Valley	11K29	8800	3/29	20	5.8	15.8	10.1*
Wrigley Creek	11K32	9000	3/28	32	9.1	14.4	11.1*
MUDDY RIVER							
Black's Fork	11K14	9200	3/22	39	11.1	15.7	15.9
Dill's Camp	11K15	9200	3/22	34	8.8	14.4	13.8
Mt. Baldy R.S. x	11K12	9500	3/29	46	15.4	26.7	24.5*
FREMONT RIVER							
Black's Flat-UM Creek	11L4	9250	4/5	21	5.6	14.0	10.1*
Donkey Reservoir	11L5	9800	4/4	16	4.2	9.0	8.9*
Farnsworth Lake x	11L1	9900	3/30	37	11.7	25.6	18.6*
Fish Lake	11L3	8700	4/5	0	0.0	9.7	8.3
Johnson Valley	11L6	8850	4/5	0	0.0	10.0	9.4*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	3/25	12	4.6	6.7	7.4
Widtsoe-Escalante #2	11M2	9500	3/25	29	8.6	7.8	10.8*
Widtsoe-Escalante #3	11M3	9500	3/25	37	10.8	8.6	13.5*
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	3/29	54	21.2	20.9	22.7
Duck Creek R.S.	12M4	8560	3/29	30	12.8	13.0	15.2
Harris Flat R.S.	12M5	7700	3/29	9	3.4	8.8	7.9
Long Valley Jct.	12M6	7500	3/29	0	0.0	0.0	2.7
Midway Valley x	12M2	9800	3/29	62	23.0	19.8	23.7*
Webster Flat	12M3	9200	3/30	40	16.1	14.2	16.8
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	3/24	35	13.6	14.3	14.4
Camp Jackson	9M2	8600	3/24	32	13.0	13.2	12.8*
LaSal Mountain	9L1	8800	3/25	27	8.6	10.9	11.2
LaSal Mountain(upper)	9L2	9600	3/25	48	18.0	17.7	18.7*

USDA-SCS-PORTLAND, OREG.-1964

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.*

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Burts-Miller Ranch	7900	3/25	- -	- -	7.40	- -	--
Chalk Creek #1*	9100	3/28	2.90		18.70	- -	--
Chalk Creek #2*	8000	3/28	2.15	3.05	13.29	16.80	79
Chalk Creek #3*	7500	3/28	1.92	- -	10.77	- -	--
Hayden Fork	9300	3/25	- -	- -	15.59	- -	--
Kelly R.S.	8200	3/28	2.00	- -	12.10	- -	--
Monte Cristo #2	8960	3/29	4.13	5.20	23.50	28.50	82
Salt River Summit	7900	3/30	1.70	3.40	11.80	18.00	66
Stillwater Camp	8550	3/25	- -	- -	9.79	13.00	75
Trial Lake *	9800	3/31	2.84	4.35	19.38	23.80	81
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	3/29	3.08	4.15	20.02	22.00	91
Garden City Summit	7600	3/30	1.96	3.70	15.48	19.20	81
Klondike Narrows	7400	3/30	2.70	4.25	20.26	23.45	86
Little Bear(upper)	6850	3/25	2.49	3.70	18.07	19.50	93
Monte Cristo #2	8960	3/29	4.13	5.20	23.50	28.50	82
Tony Grove R.S. (SCS)	6250	3/30	1.56	- -	15.40	- -	--
Willow Flat	6100	3/31	3.61	4.25	18.60	23.75	78
OGDEN RIVER							
Ben Lomond(lower)	5850	3/28	2.50	4.85	23.65	26.00	91
Ben Lomond Trail	6000	3/28	2.58	5.15	24.90	27.30	91
Causey Dam	5500	3/29	1.28	- -	11.89	- -	--
Dry Bread Pond	8230	3/29	3.08	4.15	20.02	22.00	91
Horse Ridge	8260	3/24	3.23	- -	18.49	- -	--
Monte Cristo #2*	8960	3/29	4.13	5.20	23.50	28.50	82
Sagebrush Flat	6300	3/29	1.43	2.80	12.49	14.60	86
WEBER RIVER							
Chalk Creek #1	9100	3/28	2.90	- -	18.70	- -	--
Chalk Creek #2	8000	3/28	2.15	3.05	13.29	16.80	79
Chalk Creek #3	7500	3/28	1.92	- -	10.77	- -	--
Farmington Guard Sta.(1)	7500	3/30	2.35	6.05	23.72	29.85	79
Farmington Rice (1)	7000	3/29	2.55	5.57a	21.08	27.31a	77
Horse Ridge	8260	3/24	3.23	- -	18.49	- -	--
Lost Creek reservoir	6125	3/24	0.97	- -	9.85	- -	--
Mt. Dell Dam (2)*	5500	3/31	1.54	2.64a	11.33	12.31a	85
Parley's Canyon Smt.	7500	3/26	2.61	3.95	15.81	21.50	74
Redden Mine(upper)	9000	3/30	3.35	- -	20.50	- -	--
Silver Lake(Brighton)(2)*	8725	3/31	3.01	5.89a	22.34	29.31a	76
Smith & Morehouse	7600	3/29	2.30	3.55	15.09	18.50	82
Trail Lake	9800	3/31	2.84	4.35	19.38	23.80	81

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	3/28	1.48	2.90	12.13	16.50	74
Daniels-Strawberry Smt.	8000	3/30	1.97	4.00	15.48	18.80	82
Dutchman R.S.	7500	3/30	1.90	5.24	17.50	26.75	65
East Portal Ridge	7800	3/30	1.60	- -	14.85	- -	--
Hobble Creek Smt.	7300	3/29	1.48	3.15	13.43	17.80	75
Payson R.S.	8050	3/27	2.52	2.95	15.91	17.60	90
Soapstone R.S.	7800	3/31	1.34	3.25	12.62	16.50	76
Strawberry Res.-E.Portal	7606	3/30	0.60	1.83a	9.17	10.59a	87
Timpanogos Divide	8200	3/30	1.90	5.24a	24.08	26.75a	90
Trial Lake	9800	3/31	2.84	4.35	19.38	23.80	81
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	3/29	2.40	3.20	14.06	16.80	84
Mt. Dell Dam (2)	5500	3/31	1.54	2.64a	11.33	13.31a	85
Parley's Canyon Smt.	7500	3/26	2.61	3.95	15.81	21.50	74
Silver Lake(Brighton)(2)	8725	3/31	3.01	5.89a	22.34	29.31a	76
SEVIER RIVER ABOVE RICHFIELD							
Big Flat*	10290	4/1	2.20	3.85	14.27	18.70	76
Box Creek	9800	3/28	1.77	2.95	10.95	13.50	81
Castle Valley	9700	3/31	1.65	3.20	16.42	16.80	98
Cedar Breaks	10390	3/29	0.98	4.20	20.29	22.00	92
Duck Creek R.S.	8560	3/29	1.15	3.75	21.18	19.50	109
Fish Lake	8700	4/5	1.33	1.43	7.44	7.43	100
Kimberly Mine	8900	3/24	- -	4.05	15.60	18.55	84
Panguitch Lake	8200	3/31	0.60	1.45	8.00	7.55	106
Webster Flat*	9200	3/30	0.65	4.05	22.83	21.05	108
Widtsoe-Escalante #3	9500	3/25	1.09	2.45	12.41	12.80	97
Widtsoe R.S.	7600	3/25	0.46	0.97a	4.22	5.23a	81
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River							
Beaver Dams	8000	3/28	1.77	3.16	10.30	15.20	68
Farnsworth Lake	9900	3/30	2.10	4.10	12.94	19.15	68
G.B.R.C.Headquarters(1)	8700	3/31	1.74	4.14a	12.34	19.04a	65
G.B.R.C. Meadows(1)	10000	3/31	1.79	4.81a	16.56	21.27a	78
G.B.R.C. Oaks (1)	7655	3/31	0.85	2.90a	7.55	13.28a	57
Gooseberry R.S.(1)	7800	3/30	1.35	2.90	9.22	13.25	70
Gooseberry Reservoir*	8700	3/28	1.76	3.45	15.33	18.80	82
Mammoth R.S.#2*	8600	3/28	1.92	3.60	15.48	18.70	83
Mt. Baldy	9500	3/29	2.34	- -	13.39	- -	--
Pickle Keg Springs	9600	4/1	- -	- -	10.95	- -	--
Pine Creek	8700	3/29	3.80	4.85	20.00	23.70	84
Salina Creek(lower)	7250	4/1	- -	- -	6.09	- -	--
Shingle Mill	6200	3/30	2.25	3.55	12.67	15.35	83
White Gate	9350	4/1	- -	- -	7.83	- -	--

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

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	MONTHS PRECIPITATION	1946-62 AVERAGE	THIS YEAR	1946-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
BEAVER RIVER							
Beaver Canyon P.H.(2)	7275	3/31	0.78	2.45a	7.76	10.34a	75
Big Flat	10290	4/1	2.20	3.85	14.27	18.70	76
Merchant's Valley	8650	4/1	2.02		11.47		--
PAROWAN CREEK							
Tall Poles	8800	3/29	1.60	- -	13.03	- -	--
Yankee Reservoir	8700	3/29	1.39	2.30	10.83	11.95	91
COAL CREEK							
Cedar Breaks	10390	3/29	0.98	4.20	20.29	22.00	92
Webster Flat*	9200	3/30	0.65	4.05	22.83	21.05	108
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	3/30	0.92	2.30	17.14	11.90	144
Long Flat	8000	3/31	0.95	2.70	13.57	14.00	97
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	3/22	1.66	- -	7.92	- -	--
Burnt Creek	7900	3/24	0.73	- -	6.50	- -	--
E.Fk.Black's Fk. G.S.	9300	3/22	1.92	- -	8.41	- -	--
Hewinta G.S.	9500	3/23	2.05	- -	9.50	- -	--
Hickerson Park	9100	3/25	- -	- -	5.63	- -	--
Spirit Lake	10300	3/25	2.01	- -	11.11	- -	--
Steel Creek Park	9900	3/23	2.14	- -	10.00	- -	--
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	3/25	1.18	- -	12.08	- -	--
King's Cabin(upper)	8730	3/24	1.18	2.00	10.53	12.75	83
DUCHESNE RIVER							
Brown Duck Ridge	10800	No Report		- -	- -	- -	--
Currant Creek	7800	3/31	- -	- -	11.70	13.30	88
Daniels-Strawberry Smt.*	8000	3/30	1.97	4.00	15.48	18.80	82
East Portal Ridge*	7800	3/30	1.60	- -	14.85	- -	--
Indian Canyon	9100	3/28	1.24	2.50	13.74	15.20	90
Jackson Park	10650	3/22	- -	- -	13.35	- -	--
Julius Park	9800	3/28	1.00	2.75	11.79	14.90	79
Lakefork Mountain	10500	3/29	1.60	2.45	11.45	14.10	81
Moon Lake	8150	3/31	0.70	1.18a	7.55	8.29a	91
Mosby Mountain	9500	3/28	- -	- -	11.96	- -	--
Paradise Park	10100	3/28	1.36	2.85	14.05	16.00	88
Rock Creek	7900	4/1	- -	- -	9.96	12.15	82
Soapstone R.S.*	7800	3/31	1.34	3.25	12.62	16.50	76

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

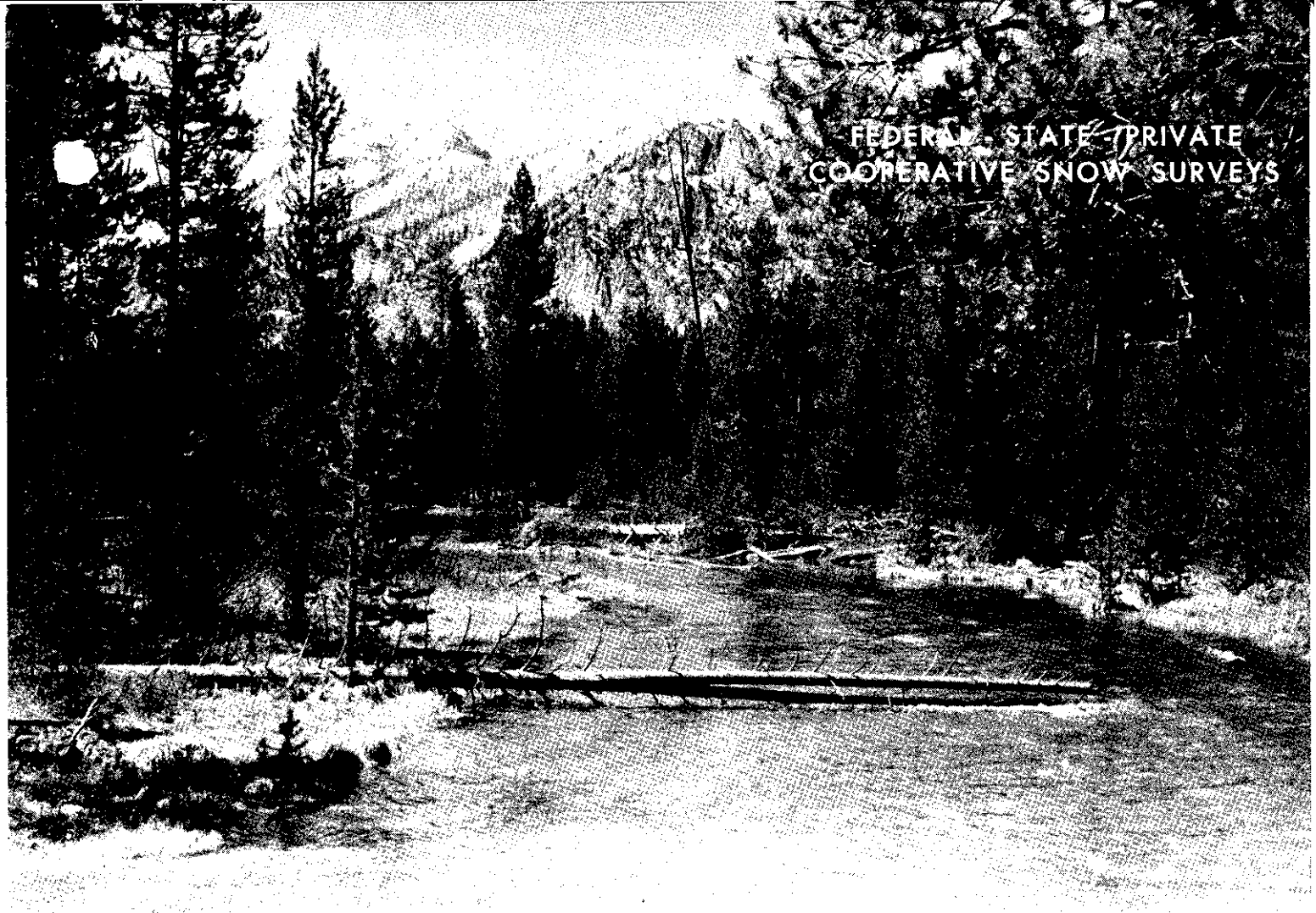
USDA-SCS-PORTLAND, OREG. 1962

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
DUCHESNE RIVER - Continued							
Strawberry Res.-E. Portal*	7606	3/30	0.60	1.83a	9.17	10.59a	87
Trial Lake*	9800	3/31	2.84	4.35	19.38	23.80	81
White River #1*	8600	4/1	1.05	2.65	10.10	16.00	63
PRICE RIVER							
Clear Creek Ridge #2*	8000	3/28	1.48	2.90	12.13	16.50	74
Gooseberry Reservoir	8700	3/28	1.76	3.45	15.33	18.80	82
Indian Canyon	9100	3/28	1.24	2.50	13.74	15.20	90
Mammoth R.S.#2	8600	3/28	1.92	3.60	15.48	18.70	83
Mud Creek	8300	3/31	1.35	2.60	11.30	15.50	73
White River #1	8600	4/1	1.05	2.65	10.10	16.00	63
SAN RAFAEL RIVER							
Buck Flat	9400	3/28	2.00	3.60	12.15	17.15	71
G.B.R.C. Meadows*(1)	10000	3/31	1.79	4.81a	16.56	21.27a	78
Gooseberry Reservoir*	8700	3/28	1.76	3.45	15.33	18.80	82
Orange Olsen		3/29	0.60	- -	5.75	- -	--
Red Pine Ridge	9400	3/29	2.75	4.30	15.55	20.70	75
Stuart R.S.	7950	3/30	- -	- -	8.85	12.90	69
MUDDY RIVER							
Mt. Baldy R.S.*	9500	3/29	2.34	- -	13.39	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M.Creek	9250	4/5	1.83	2.45	9.07	12.00	76
Farnsworth Lake*	9900	3/30	2.10	4.10	12.94	19.15	68
Fish Lake	8700	4/5	1.33	1.43	7.44	7.43	100
Widtsoe-Escalante #3	9500	3/25	1.09	2.45	12.41	12.80	97
VIRGIN RIVER							
Duck Creek R.S.	8560	3/29	1.15	3.75	21.18	19.50	109
Webster Flat	9200	3/30	0.65	4.05	22.83	21.05	108
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	3/24	0.95	3.95	18.05	21.20	85
Camp Jackson	8600	3/24	0.50	3.15	16.80	16.75	100
LaSal Mountain(upper)	9600	3/25	- -	3.25	17.10	19.65	87

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

USDA-SCS-PORTLAND, ORE. 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
MAY 1, 1966

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

MAY 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL
and
Patricia Paramore

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

USDA-SCS-PORTLAND, OREG. 1965

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

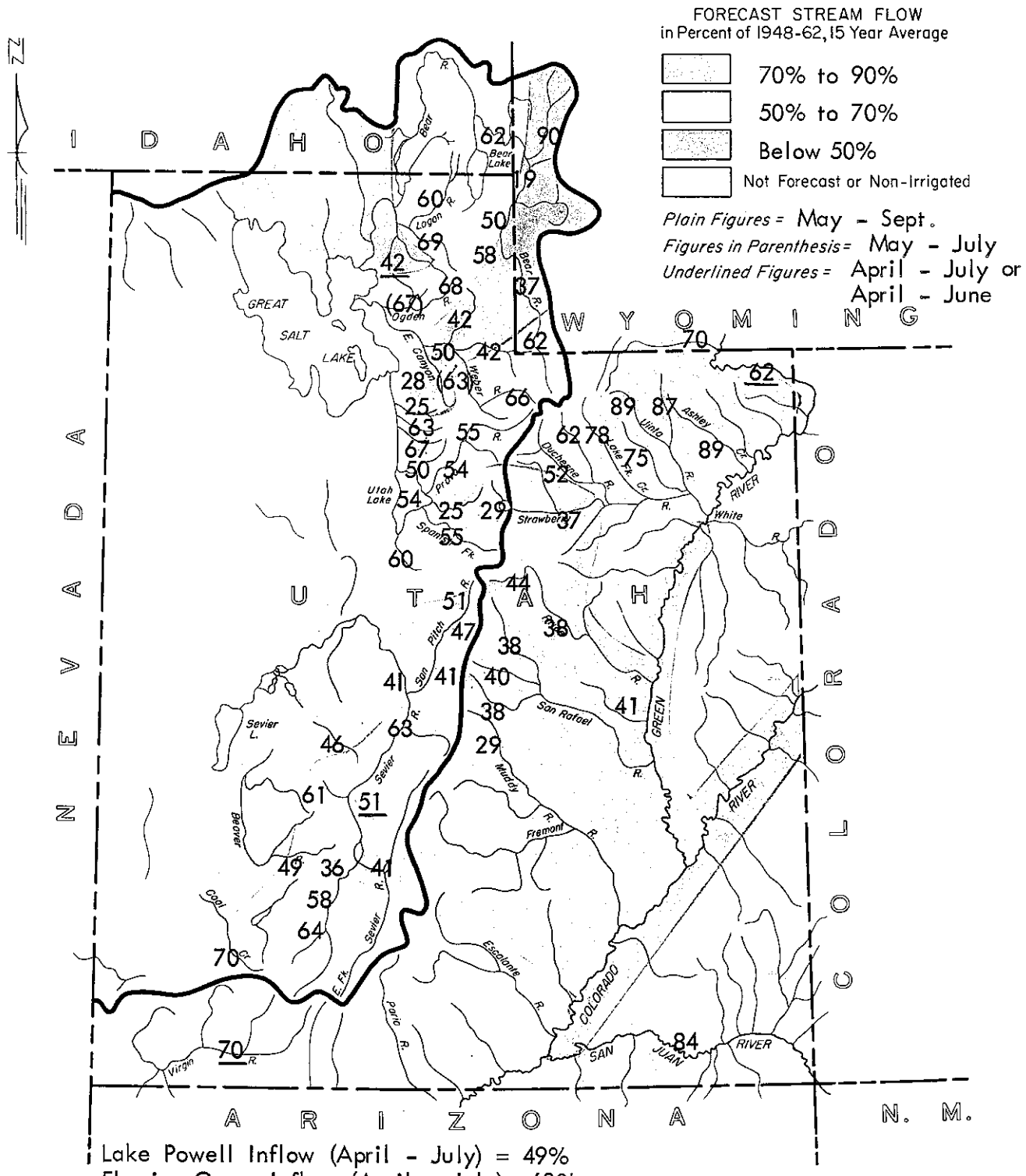
J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

May 4, 1966
Approximate Date

50 0 50 100
SCALE IN MILES



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

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

MAY 4, 1966

* *
* Water supplies this summer for those users who *
* are dependent on natural streamflow will be *
* very inadequate in most sections of the state. *
* The U.S. Geological Survey reports reservoir *
* storage in 14 principal reservoirs to be 129% *
* of the 1948-62 average. *
* *

The dry trend which started last January continued on thru April, causing most streamflow prospects to drop another 5% to 30% since last month. Reservoir storage continues good to excellent and will generally furnish adequate supplies to those owning the water, but only with abnormally heavy drawdown of the reservoirs. Water for natural flow rights will be poor to very poor for most of the state, with streams expected to yield from about one fourth to two thirds of their usual amounts. The exceptions to this, where prospects are fair with streamflow forecasts varying from about 70% to 90% of average, include the eastern part of the Uintah Basin, east Carbon county, Grand and San Juan counties, and streams in the Cedar City, St. George, Kanab area.

Mountain precipitation during April generally varied between about 30% and 75% of average throughout most of the state, accounting for the decreased water outlook.

The area where the most severe shortages are expected to occur includes the tributaries of the San Rafael, Muddy and Fremont rivers in Emery and Wayne counties, tributaries of the San Pitch river in Sanpete county, and streams near Salina. All of these streams are expected to yield about the same or slightly less than they did in 1959 and 1961. These two years were the two lowest runoff years in this area since the drought of 1934. Streams near Fillmore and Beaver should produce about the same or slightly more water than they did in 1961, with flows among the lowest 4 or 5 years of the last 55 years of record. Forecasts for these streams range between about 30% and 50% of average.

Hobble Creek near Springville and Parleys Creek near Salt Lake are forecast at 25% of average flow, which will be a little more than in 1961, but less than 1959.

USDA-SCS-PORTLAND, OREG. 1963

WATER SUPPLY OUTLOOK (continued)

Flow of the following listed streams, while not as critically low as in 1961, is still very poor. Forecasts on these streams ranges between about 35% to 65% of average; Logan, Little Bear, upper Bear, Weber, Provo, Duchesne, and Strawberry rivers, streams flowing into Utah Lake and Jordan river(except Hobble Creek and Parley's Creek as noted above), main stem stations on the Sevier river, streams near Tooele and Farmington, East Canyon Creek near Morgan, Lost Creek near Croydon, Bear river tributaries in Rich county.

On the Colorado river, streamflow prospects have also dropped this month. The present April-July forecast for inflow to Lake Powell is 3,750,000 acre feet or 49% of the 1948-62 (15-year) average. Inflow to Flaming Gorge on the Green river is forecast at 695,000 acre feet for the April-July period, or 62% of the 15 year average.

USDA SCS PORTLAND OREG 1983

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 at Harer, Idaho	125	May-Sept	433	202	62
Bear nr Randolph	13	May-Sept	194	69	19
Bear nr Ut-Wyo State Line	68	May-Sept	190	109	62
Bear nr Woodruff	35	May-Sept	210	94	37
Big Crk nr Randolph, Utah	3.7	May-Sept	11.7	7.4*	50
Blacksmith Fork nr Hyrum (4)	33	May-Sept	63	48	69
Little Bear nr Paradise	16	Apr-June	38	38	42
Logan nr Logan (3)	70	May-Sept	166	117	60
Smith's Fork nr Border, Wyoming	85	May-Sept	153	101	84
Woodruff Crk nr Woodruff, Utah	8.5	May-Sept	23.0	14.6*	58
WEBER-OGDEN RIVERS					
Chalk Crk at Coalville	12	May-Sept	59	28.9	42
East Canyon Crk nr Morgan (7)	4.5	May-Sept	32	16.0	28
Lost Crk nr Croydon, Utah	5.5	May-Sept	22.5	13.2	42
Pineview Reservoir Inflow (8)	48	May-July	100	72	67
So Fork Ogden nr Huntsville	30	May-Sept	66	44	68
Rockport Reservoir Inflow (5)	62	May-July		99 *	63
Weber nr Coalville (6)	54	May-Sept	198	107	50
Weber nr Oakley	56	May-June	119	89	63
	75	May-Sept	179	113	66
PROVO RIVER & UTAH LAKE					
American Fork nr American Fork	15	May-Sept	40	29.7	50
Hobble Crk nr Springville	3.7	May-Sept	22.4	14.6	25
Payson Creek nr Payson	3.6	May-Sept	- -	6.0	60
Provo nr Hailstone (10)	52	May-Sept	156	95 *	55
Provo at Vivian Park (11)	63	May-Sept	- -	117	54
Spanish Fork at Thistle	17	May-Sept	41	31	55
Strawberry Reservoir Inflow (9)	11	May-Sept	69	38	29
Utah Lake Inflow	110	May-Sept	300	205	54
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	22	May-Sept	44	35	63
Little Cottonwood Crk nr SLC	24	May-Sept	53	36	67
Parley's Crk nr SLC	2.5	May-Sept	19.3	10.0	25

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) 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. 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
SEVIER RIVER					
Chalk Creek nr Fillmore	6	May-Sept	18.2	13.0	46
Clear Crk nr Sevier (abv. diversion)	6	May-June	13.2	9.9*	61
East Fork Sevier nr Kingston (12)	1	May-June	16.8	8.0	12
	5	May-Sept	20.3	12.3	41
Inflow					
Kingston to Vermillion Dam	20	Apr-June	- -	39	51
Vermillion Dam to Gunnison	37	Mar-June	- -	59	63
Salina Crk at Salina (14)	0.2	May-June	18.2	6.8*	3
Sevier nr Circleville	19	May-Sept	49	33 *	58
Sevier nr Gunnison a	17	May-Sept	58	41	41
Sevier at Hatch	16	May-June	40	25.8	62
	25	May-Sept	59	39	64
Sevier nr Kingston	5	May-June	22.3	13.5	37
	6.5	May-Sept	31.3	18.1	36
Sevier below Piute Dam (13)	12	May-Sept	45	30	40
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	6	May-Sept	- -	14.5	41
Pleasant Crk nr Mt. Pleasant	4.5	May-Sept	11.4	8.8 *	51
Twin Crk nr Mt. Pleasant	2	May-Sept	6.3	4.3 *	47
BEAVER RIVER					
Beaver nr Beaver	8	May-June	14.7	16.1	50
	11	May-Sept	26.5	22.3	49
Rockyford Reservoir Inflow (15)	1.5	May-June	3.8	6.7	22
COAL CREEK					
Coal Crk nr Cedar City	9	May-Sept	24.8	12.8	70
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	47	May-Sept	80	53	89
Henry's Fork at Linwood	20	May-Sept	--	28.5	70

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

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)	22	May-Sept	- -	33 *	67
Duchesne nr Tabiona (16)	54	May-Sept	173	104	52
Lakefork below Moon Lake (17)	53	May-Sept	124	68	78
Rock Crk nr Mtn. Home	61	May-Sept	159	98	62
Strawberry at Duchesne	22	May-Sept	103	59	37
Uinta nr Neola	80	May-Sept	196	90	89
Whiterocks nr Whiterocks	53	May-Sept	99	61	87
Yellowstone nr Altonah	52	May-Sept	133	69	75
PRICE RIVER					
Gooseberry Crk. nr Scofield	4.5	May-Sept	14.5	10.9	41
Price nr Heiner (18)	20	May-Sept	107	53	38
Scofield Reservoir Inflow (18)	14	May-Sept	53	32	44
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	21	May-Sept	93	52	40
Ferron Crk nr Ferron	15	May-Sept	61	39	38
Huntington Crk nr Huntington	20	May-Sept	82	52	38
MUDDY RIVER					
Muddy Creek nr Emery	6	May-Sept	30	20.5 *	29
VIRGIN RIVER					
Virgin nr Virgin	30	Apr-June	63	43	70
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	1490	May-Sept	4855	3291	45
Flaming Gorge Inflow (19)	695	Apr-July	1251	1129	62
Lake Powell Inflow (8)	3750	Apr-July	11810	7692	49
Green at Green River, Utah (19)	1200	May-Sept	4595	2899	41
San Juan nr Bluff, Utah (20)	805	May-Sept	1782	963	84

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

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) 1948-62, 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	1239.0	1016.8	938.5
	Woodruff Narrows	26.5	27.4	18.0	- -
Beaver River	Rocky Ford	23.3	15.1	9.2	13.7
Little Bear	Hyrum	15.3	15.6	16.0	14.4
	Porcupine	11.3	11.3	11.3	- -
Ogden	Causey	7.1	7.0	- -	- -
	Pineview	110.0	94.4	97.4	33.6
Provo	Deer Creek	149.7	122.1	95.3	104.7
Sevier River	Otter Creek	52.5	37.9	24.4	37.4
	Piute	74.0	53.2	20.2	43.8
	Sevier Bridge	236.1	107.0	57.3	126.5
Spanish Fork	Strawberry	270.0	133.3	76.9	149.3
Utah Lake	Utah Lake (b)	1149.0	771.8	542.3	650.3
Weber	East Canyon	48.1	10.8	2.9	21.1
	Echo	73.9	72.0	46.1	51.1
	Rockport	60.9	55.8	37.6	- -
	Willard Bay	195.0	163.0	145.8	- -
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	24.6	18.0	- -
Colorado	Lake Powell	27,000.0*	9062.0	6171.0	- -
Green	Flaming Gorge	3,789.0*	2468.6	584.6	- -
Lake Fork	Moon Lake	35.8	31.2	14.3	16.4
Price River	Scofield	65.8	63.0	19.5	25.4
San Juan	Navajo	1,709.0*	258.6	388.4	- -

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

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated. (d) Total capacity reported.

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	4/28	45	15.5	30.7	20.0*
Burts-Miller Ranch	10J6	7900	4/26	0	0.0	4.7	0.0*
CCC Camp x	10G7	7500	4/28	9	3.1	8.7	4.6*
Hayden Fork	10J7	9300	4/26	16	6.6	22.8	17.7*
Kelly Ranger Station	10G12	8200	4/28	33	12.5	28.6	15.9*
Monte Cristo R.S.	11H12	8960	4/27	41	17.7	32.6	26.2*
Piney LaBarge x	10G10	8820	4/30	24	10.4	25.0	18.5
Poison Meadows x	10G6	8500	4/30	54	20.3	41.8	30.9*
Salt River Summit x	10G8	7900	4/28	20	7.4	17.8	9.8*
Stillwater Camp	10J17	8550	4/26	0	0.0	13.9	7.5*
Trial Lake x	10J8	9800	4/29	44	19.2	38.8	30.9*
LOWER BEAR RIVER (Below Harer, Idaho)							
Beaver Crk-Skunk Crk.	11H14	7150	4/27	0	0.0	5.4	3.4*
Dry Bread Pond x	11H13	8230	4/27	18	7.0	19.2	13.5*
Emigrant Summit	11G6	7700	4/29	27	12.8	33.0	- -
Garden City Summit	11H7	7600	4/29	26	10.6	22.7	14.5*
Klondike Narrows	11H1	7400	4/29	0	0.0	21.8	13.9*
Little Bear (lower)	11H26	6100	4/28	0	0.0	0.0	Trace*
Little Bear (upper)	11H25	6850	4/28	0	0.0	0.0	1.3*
Monte Cristo R.S.	11H12	8960	4/27	41	17.7	32.6	26.2*
Oxford Mountain	12G3	6800		No Report			1.4*
Steep Hollow #1	11H27	8500	4/29	54	25.6	51.6	38.5*
Steep Hollow #2	11H28	7700	4/29	16	6.6	34.6	22.5*
Strawberry Creek	11G9	5800	4/27	0	0.0	0.0	1.3*
Strawberry Mink Divide	11G10	6800	4/27	11	4.0	23.3	13.3*
Tony Grove R.S.	11H3	6250	4/29	0	0.0	0.0	0.6*
Willow Flat	11G4	6100	4/28	0	0.0	6.4	2.4*
OGDEN RIVER							
Beaver Crk-Skunk Crk.	11H14	7150	4/27	0	0.0	5.4	3.4*
Ben Lomond (lower)	11H9	5850	4/28	0	0.0	1.6	3.6*
Ben Lomond Peak	11H8	8000	4/28	44	20.0	40.9	32.3*
Ben Lomond Trail	11H30	6000	4/28	0	0.0	4.7	- -
Cutler Creek	11H29	6780	4/28	25	11.0	26.8	- -
Dry Bread Pond	11H13	8230	4/27	18	7.0	19.2	13.5*
Horse Ridge	11H21	8260	4/26	15	6.4	26.2	- -
Monte Cristo R.S.	11H12	8960	4/27	41	17.7	32.6	26.2*
Sagebrush Flat	11H15	6300	4/27	0	0.0	0.0	0.0*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
WEBER RIVER							
Beaver Creek R.S.	11J24	7500	4/29	0	0.0	1.6	1.5*
Chalk Creek #1	11J1	9100	4/28	40	17.8	33.6	25.5*
Chalk Creek #2	11J2	8000	4/28	16	6.6	19.1	12.3*
Chalk Creek #3	11J3	7500	4/28	0	0.0	3.4	1.7*
Farmington Canyon(lower)	11J12	6950	4/29	18	8.2	16.6	21.2*
Farmington Canyon(upper)	11J11	8000	4/29	45	20.4	35.6	30.4*
Horse Ridge	11H21	8260	4/26	15	6.4	26.2	- -
Kilfore Creek	11H31	7300	4/26	6	2.5	10.2	- -
Lamb's Canyon x	11J14	6600	4/28	0	0.0	7.6	6.5*
Lost Creek Reservoir	11H32	6125	4/26	0	0.0	0.0	- -
Parley's Canyon Smt.	11J15	7500	4/28	0	0.0	15.4	11.5*
Redden Mine(lower)	11J6	8500	4/29	18	8.2	22.2	16.8*
Redden Mine(upper)	11J5	9000	4/29	20	9.2	25.9	18.9*
Silver Lake x	11J16	8725	4/28	38	17.2	31.4	26.8*
Smith & Morehouse	11J4	7600	4/29	0	0.0	16.3	5.9*
Trial Lake x	10J8	9800	4/29	44	19.2	38.8	30.9*
PROVO RIVER & UTAH LAKE							
Camp Altamont	11J20	7300	4/28	0	0.0	6.5	6.5*
Clear Creek Ridge #1	11K21	9200	4/27	15	6.6	24.4	16.2*
Clear Creek Ridge #2	11K22	8000	4/27	2	0.8	14.2	8.0*
Clear Creek Ridge #3	11K23	6600	4/27	0	0.0	0.0	0.1*
Daniels-Strawberry Smt.	11J23	8000	4/27	0	0.0	9.6	8.4*
Dutchman R.S.	11J17	7500	4/28	0	0.0	11.5	9.5*
Hobble Creek Summit	11J22	7300	4/26	0	0.0	8.3	6.1*
Packard Canyon	11J31	6400	4/26	0	0.0	0.0	1.0*
Payson R.S.	11K1	8050	4/26	9	3.9	17.2	13.2*
Rock Bridge	11K2	6750	4/26	0	0.0	0.5	4.6*
Soapstone R.S.	11J25	7800	4/29	0	0.0	14.1	5.5*
Timpanogos Divide	11J21	8140	4/28	25	13.4	24.3	18.4
Trial Lake	10J8	9800	4/29	44	19.2	38.8	30.9*
JORDAN RIVER & TOOELE VALLEY							
Bevan's Cabin	12J2	6450	4/29	0	0.0	Trace	2.3*
Lamb's Canyon	11J14	6600	4/28	0	0.0	7.6	6.5*
Middle Canyon-Tooele	12J3	7000	4/29	0	0.0	7.2	7.4*
Mill D South Fork	11J10	7400	4/28	0	0.0	19.9	13.1*
Parley's Canyon Smt. x	11J15	7500	4/28	0	0.0	15.4	11.5*
Rocky Basin-Setlmt. Canyon	12J1	8900	4/29	33	14.0	35.8	27.2*
Silver Lake	11J16	8725	4/28	38	17.2	31.4	26.8*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
UPPER SEVIER RIVER (South of Richfield, Utah)							
Big Flat x	12L7	10290	4/25	38	12.5	24.1	20.2*
Box Creek	12L4	9800	4/28	0	0.0	16.8	11.5*
Castle Valley	12M13	9700	4/27	0	0.0	15.3	7.0*
Cedar Breaks	12M1	10390	4/25	38	18.2	29.3	19.2*
Duck Creek R.S.	12M4	8560	4/29	0	0.0	15.2	5.2*
Fish Lake	11L3	8700	4/28	0	0.0	5.0	3.0*
Harris Flat	12M5	7700	4/29	0	0.0	6.4	0.3*
Kimberly Mine	12L6	8900	4/25	17	7.0	17.6	13.5*
Midway Valley	12M2	9800	4/26	41	19.5	29.0	21.4*
Panguitch Lake	12M7	8200	4/27	0	0.0	1.0	0.0*
Squaw Springs	12L5	9300	4/28	0	0.0	6.2	2.9*
Widtsoe-Escalante Smt.	11M1	9500	4/29	0	0.0	12.2	2.5*
Widtsoe-Escalante #2	11M2	9500	4/29	1	0.4	12.5	6.3*
Widtsoe-Escalante #3	11M3	9500	4/29	1	0.5	16.4	10.0*
LOWER SEVIER RIVER (Including San Pitch River)							
Beaver Dams	11K13	8000	4/26	0	0.0	8.8	6.7*
Farnsworth Lake	11L1	9900	4/28	29	10.7	28.7	19.8*
G.B.R.C. Headquarters	11K11	8700	4/29	8	2.6	20.9	14.7*
G.B.R.C. Meadows	11K10	10000	4/29	35	15.5	35.9	28.5*
Gooseberry R.S.	11L2	8400	4/28	0	0.0	14.8	7.3*
Gooseberry Reservoir x	11K4	8700	4/27	17	6.8	23.1	17.9*
Mammoth R.S.-Ctnwood. Crk.	11K3	8800	4/27	15	6.2	23.5	18.8*
Mt. Baldy R.S.	11K12	9500	4/26	30	12.9	33.2	24.8*
Pickle Keg Springs	11K39	9600	4/25	6	2.2	17.5	- -
Pine Creek	12L1	8700	4/29	0	0.0	15.0	12.2*
Salina Creek(lower)	11L8	7250	4/25	0	0.0	0.0	- -
Shingle Mill	12L11	6200	4/28	0	0.0	0.0	1.1*
White Gate	11L7	9350	4/25	0	0.0	10.1	- -
BEAVER RIVER							
Big Flat	12L7	10000	4/25	38	12.5	24.1	20.2*
Merchant's Valley	12L9	8200	4/25	0	0.0	7.2	3.5*
Otter Lake	12L8	9300	4/25	21	7.9	18.2	14.5*
PAROWAN CREEK							
Birch Crossing	12M16	8100	4/25	0	0.0	6.0	- -
Brian Head	12M14	10400	4/25	37	15.8	29.9	- -
Ed Ward Flat	12M12	8300	4/25	0	0.0	8.9	1.4*
Tall Poles	12M15	8800	4/25	10	4.2	20.9	- -
Yankee Reservoir	12M11	8700	4/25	2	0.6	14.1	5.6*
COAL CREEK							
CSU Ranch		8200	4/26	0	0.0	- -	- -
Cedar Breaks	12M1	10390	4/25	38	18.2	29.3	19.2*
Midway Valley x	12M2	9800	4/26	41	19.5	29.0	21.4*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG.-1964

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]
COAL CREEK - Continued							
Urie Flat	12M10	8450	4/26	0	0.0	7.8	0.8*
Webster Flat	12M3	9200	4/26	10	4.7	20.8	9.5*
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	10J22	8925	4/25	4	1.4	14.9	- -
Buck Pasture A	10J23	9700	Delayed Report				- -
Burnt Creek	9J14	7900	No Report				
East Fk.Black's Fork G.S.	10J21	9300	4/25	12	5.2	15.8	- -
Henry's Fork A	10J24	10200	Delayed Report				- -
Hewinta Guard Station/	10J4	9500	4/25	12	5.2	14.3	12.1*
Hickerson Park	9J8	9100	4/25	0	0.0	5.7	- -
Spirit Lake	9J7	10300	4/25	23	9.5	17.9	- -
Steel Creek Park	10J20	9900	4/25	42	13.7	25.4	- -
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Ashley Twin Lakes A	9J11	10500	Delayed Report				- -
Grizzly Ridge	9J13	8500	No Report				- -
Kings Cabin(lower)	9J2	8600	4/25	9	3.3	11.8	5.5*
Kings Cabin(upper)	9J1	8730	4/25	20	6.4	14.3	7.9*
Reynolds Park A	9J10	10400	Delayed Report				- -
Windy Park A	9J12	9400	Delayed Report				- -
DUCHESNE RIVER							
Atwood Basin A	10J27	10250	Delayed Report				- -
Chepeta-Whiterocks Lks.A	9J9	10300	Delayed Report				- -
Daniels-Strawberry Smt.x	11J23	8000	4/28	0	0.0	9.6	8.4*
Five point Lake A	10J26	11000	Delayed Report				- -
Indian Canyon	10K1	9100	4/27	11	4.2	21.4	8.4*
Julius Park	9J6	9800	4/27	24	8.9	17.0	13.9*
Lakefork Basin A	10J25	11100	Delayed Report				- -
Lakefork Mountain	10J10	10500	4/28	18	7.0	17.6	12.0*
Lakefork Mountain #2	10J11	8900	4/28	0	0.0	10.1	2.6*
Lakefork Mountain #3	10J12	8100	4/28	0	0.0	5.1	0.3*
Mosby Mountain	9J5	9500	4/27	20	6.9	13.6	10.1*
Paradise Park	9J3	10100	4/27	27	9.8	15.9	13.0*
Soapstone R.S. x	11J25	7800	4/29	0	0.0	14.1	5.5*
Trial Lake x	10J8	9800	4/29	44	19.2	38.8	30.9*
White River #1 x	10K2	8600	4/28	0	0.0	16.6	10.5*
PRICE RIVER							
Corral	10K5	8200	4/29	0	0.0	11.2	- -
Dry Valley Divide	11K8	7800	4/28	0	0.0	8.0	4.5*
Gooseberry Reservoir	11K4	8700	4/27	17	6.8	23.1	17.9*
Grassy Trail Crk-Left Fk.	10K3	7970	4/29	0	0.0	10.2	- -
Indian Canyon x	10K1	9100	4/27	11	4.2	21.4	8.4*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

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]
PRICE RIVER - Continued							
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	4/27	15	6.2	23.5	18.8*
Mud Creek #2	11K33	8300	4/28	0	0.0	18.1	7.1*
Timberline	10K6	9100	Road washed out			22.1	11.5*
White River #1	10K2	8600	4/28	0	0.0	16.6	10.5*
White River #2	11K24	7600	4/28	0	0.0	2.6	1.2*
SAN RAFAEL RIVER							
Buck Flat	11K31	9400	4/26	12	5.0	24.4	16.5*
Gooseberry Reservoir	11K4	8700	4/27	17	6.8	23.1	17.9*
Mammoth R.S.-Ctnwd.Crk. x	11K3	8800	4/27	15	6.2	23.5	18.8*
Red Pine Ridge	11K28	9400	4/25	11	4.0	24.5	14.2*
Rush Pond	11K38	9800	4/26	8	2.6	21.4	12.0*
Seely Creek R.S.	11K9	10000	4/29	24	9.7	24.1	16.1*
Stuart R.S.	11K27	7950	4/27	0	0.0	0.0	1.3*
Switchback	11K26	8600	4/27	4	1.3	13.0	13.1*
Upper Joe's Valley	11K29	8800	4/25	0	0.0	12.1	4.4*
Wrigley Creek	11K32	9000	4/26	1	0.5	15.4	6.5*
MUDDY RIVER							
Mt. Baldy R.S. x	11K12	9500	4/26	30	12.9	33.2	24.8*
FREMONT RIVER							
Black's Flat-U.M. Crk.	11L4	9250	4/28	0	0.0	12.5	8.0*
Farnsworth Lake x	11L1	9900	4/28	29	10.7	28.7	19.8*
Fish Lake	11L3	8700	4/28	0	0.0	5.0	3.0*
Johnson Valley	11L6	8850	4/28	0	0.0	5.7	3.3*
ESCALANTE RIVER							
Widtsoe-Escalante Smt.	11M1	9500	4/29	0	0.0	12.2	2.5*
Widtsoe-Escalante #2	11M2	9500	4/29	1	0.4	12.5	6.3*
Widtsoe-Escalante #3	11M3	9500	4/29	1	0.5	16.4	10.0*
VIRGIN RIVER							
Cedar Breaks x	12M1	10390	4/25	38	18.2	29.3	19.2*
Duck Creek R.S.	12M4	8560	4/29	0	0.0	15.2	5.2*
Harris Flat	12M5	7700	4/29	0	0.0	6.4	0.3*
Midway Valley x	12M2	9800	4/26	41	19.5	29.0	21.4*
Webster Flat	12M3	9200	4/26	10	4.7	20.8	9.5*
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9M1	9000	4/25	7	2.7	14.8	6.2*
Camp Jackson	9M2	8600	4/26	1	0.4	13.0	3.1*
LaSal Mountain	9L1	8800	4/25	0	0.0	3.0	2.3*
LaSal Mountain(upper)	9L2	9600	4/25	29	12.4	14.5	14.3*

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

USDA-SCS-PORTLAND, OREG. 1964

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a		a	
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	4/30	0.82	1.85a	8.58	12.19a	70
Big Flat	10290	4/25	0.99	3.15	15.26	21.85	70
Merchant's Valley	8650	4/25	1.00		12.47		- -
PAROWAN CREEK							
Tall Poles	8800	4/25	2.09		15.12		- -
Yankee Reservoir	8700	4/25	2.14	1.65	12.97	13.60	95
COAL CREEK							
Cedar Breaks	10390	4/25	1.80	3.15	22.09	25.15	88
Webster Flat*	9200	4/26	1.77	2.95	24.60	24.00	102
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	4/27	0.20	2.00	17.34	13.90	125
Long Flat	8000	4/27	1.10	2.30	14.67	16.30	90
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	4/25	1.96	- -	9.88	- -	- -
Burnt Creek	7900	4/29	2.25	- -	8.75	- -	- -
E.Fk. Black's Fk.G.S.	9300	4/25	2.55	- -	10.96	- -	- -
Hewinta G.S.	9500	4/25	2.45	- -	11.95	- -	- -
Hickerson Park	9100	No Report		- -	- -	- -	- -
Spirit Lake	10300	4/25	2.30	- -	13.41	- -	- -
Steel Creek Park	9900	4/25	2.98	- -	12.98	- -	- -
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	4/29	2.37	- -	14.45	- -	- -
King's Cabin(upper)	8730	4/25	2.20	2.20	12.73	14.95	85
DUCHESNE RIVER							
Brown Duck Ridge	10800	No Report		- -	- -	- -	- -
Currant Creek	7800	4/28	0.67	1.80	12.37	15.10	82
Daniels-Strawberry Smt.*	8000	4/27	0.60	2.40	16.08	21.20	76
East Portal Ridge*	7800	4/30	1.00	- -	15.85	- -	- -
Indian Canyon	9100	4/27	0.25	2.15	13.99	17.35	81
Jackson Park	10650	No Report		- -	- -	- -	- -
Julius Park	9800	4/27	1.24	2.00	13.03	16.90	77
Lakefork Mountain	10500	4/28	0.74	1.70	12.19	15.80	77
Moon Lake	8150	4/30	0.30	1.05a	7.85	9.34a	84

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

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	MONTHS PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
DUCHESNE RIVER - Continued				a		a	
Mosby Mountain	9500	4/27	1.59	- -	13.55	- -	- -
Paradise Park	10100	4/27	1.91	2.10	15.96	18.10	88
Rock Creek	7900	4/29	0.69	1.35	10.65	13.50	79
Soapstone R.S.*	7800	4/29	1.60	2.20	14.22	18.70	76
Strawberry Res.-E. Portal*	7606	4/30	0.70	1.37a	9.87	11.96a	83
Trial Lake	9800	4/29	2.33	3.40	21.71	27.20	80
White River #1*	8600	4/28	0.50	2.25	10.60	18.25	58
PRICE RIVER							
Clear Creek Ridge #2*	8000	4/27	1.07	2.50	13.20	19.00	69
Gooseberry Reservoir	8700	4/27	0.98	2.75	16.31	21.65	75
Indian Canyon	9100	4/27	0.25	2.15	13.99	17.35	81
Mammoth R.S.#2	8600	4/27	1.10	2.75	16.58	21.45	77
Mud Creek	8300	4/28	0.75	2.60	12.05	18.10	66
White River #1	8600	4/28	0.50	2.25	10.60	18.25	58
SAN RAFAEL RIVER							
Buck Flat	9400	4/26	1.05	3.10	13.20	20.25	65
G.B.R.C. Meadows*(1)	10000	4/29	1.93	3.55a	18.49	24.82a	74
Gooseberry Reservoir*	8700	4/27	0.98	2.75	16.31	21.65	75
Orange Olsen		4/25	0.25	- -	6.00	- -	- -
Red Pine Ridge	9400	4/25	1.35	3.50	16.90	24.20	70
Stuart R.S.	7950	4/27	0.50	2.40	9.35	15.30	61
MUDDY RIVER							
Mt. Baldy R.S.*	9500	4/26	1.33	- -	14.72	- -	- -
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	4/28	0.71	1.70	9.78	13.70	71
Farnsworth Lake*	9900	4/28	2.07	2.65	15.01	21.80	69
Fish Lake	8700	4/28	0.66	1.53	8.10	8.96	90
Widtsoe-Escalante #3	9500	4/29	0.74	1.80	13.15	14.60	90
VIRGIN RIVER							
Duck Creek R.S.	8560	4/29	0.90	2.90	22.08	22.40	99
Webster Flat	9200	4/26	1.77	2.95	24.60	24.00	102
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	4/25	1.90	2.70	19.95	23.90	83
Camp Jackson	8600	4/26	0.90	2.15	17.70	18.90	94
LaSal Mountain(upper)	9600	4/25	1.50	3.05	18.60	22.70	82

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

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, 1966

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

JUNE 1, 1966

Report prepared by

GREGORY L. PEARSON - PAUL KEIL

and

Patricia Paramore

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

Issued by

HUBERT C. LAMBERT
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

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

WATER SUPPLY OUTLOOK

as of

JUNE 7, 1966

and

Special Measurements
During 1965-66 Season

Precipitation in Utah's mountains during the month of May generally ranged between about 25% to 80% of average. The principal exceptions to this trend occurred on part of the Ogden and Little Bear rivers, and along a relatively narrow band extending from the American Fork river southeastward to Strawberry reservoir and then north and east across the Duchesne, Lakefork and Uinta rivers. Along this narrow band precipitation varied from about 105% to 214% of average.

On the North Fork Ogden river, precipitation was 180% of average at the Ben Lomond Trail raingage. Just north of here at the Little Bear(upper) raingage precipitation was 145%, while at Sagebrush Flat on Beaver Creek(tributary to the South Fork Ogden) it was 122%. North and east of here precipitation fell off rapidly to only 62% at Dry Bread Pond and 44% at Monte Cristo.

May precipitation is generally not as effective in producing runoff as that which occurs earlier in the season since evaporation and transpiration losses are higher than in the earlier months. The effect in changing streamflow forecasts is consequently less. Except in areas where above normal precipitation occurred, streams are now expected to yield from about 1% to 8% less than forecast a month ago. In areas of above normal precipitation, stream forecasts are up from 1% to 3% since May 1st.

The mountain snowpack is practically gone, with only four snow courses showing any snow on them when readings were made the last of May. A year ago now the opposite extreme was reached, with 46 courses reporting snow cover.

Water users who are dependent on natural streamflow can expect late summer water supplies to be about 25% below average from streams in the Cedar City, St. George and Panguitch area, and in San Juan and Grand counties. In the eastern Uintah Basin streams will be within about 15% of average. For most of the remainder of the state, late summer streamflow will be closer to 25% to 60% of average.

USDA-SCS-PORTLAND, OREG. 1963

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]

SUPPLEMENTAL MEASUREMENTS FOR UTAH

JUNE 1, 1966

						2 years ago	
Big Flat	12L7	10290	6/2	0	0.0	23.7	11.5
Buck Flat	11K31	9400	5/27	0	0.0	15.9	1.8
Cedar Breaks	12M1	10390	6/1	0	0.0	24.2	4.0
Chalk Creek #1	11J1	9100	5/27	0	0.0	26.3	7.3
Farnsworth Lake	11L1	9900	5/27	0	0.0	25.9	11.6
G.B.R.C. Meadows	11K10	10000	5/31	0	0.0	33.5	16.9
Gooseberry Reservoir	11K4	8700	5/26	0	0.0	8.8	1.3
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	5/26	0	0.0	9.1	2.6
Midway Valley	12M2	9800	6/1	0	0.0	23.1	3.6
Monte Cristo R.S.	11H12	8960	5/31	0	0.0	18.9	7.9
Mt. Baldy R.S.	11K12	9500	5/27	0	0.0	30.3	13.6
Otter Lake	12L8	9300	6/2	0	0.0	15.6	3.1
Paradise Park	9J3	10100	5/25	2	0.6	11.0	0.7
Spirit Lake	9J7	10300	5/27	0	0.0	16.9	4.9
Steel Creek Park	10J20	9900	5/25	4	1.6	- -	- -
Steep Hollow #1	11H27	8500	5/26	3	1.6	41.0	25.0
Steep Hollow #2	11H28	7700	5/26	0	0.0	16.7	3.3
Trial Lake	10J8	9800	5/26	14	6.6	40.9	19.5

USDA-SCS-PORTLAND, ORE. 1964

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 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]

2 yrs. ago

SUPPLEMENTAL MEASUREMENTS FOR UTAH

DECEMBER 1, 1965

Beaver Crk-Skunk Crk.	11H14	7150	11/29	10	2.4	4.0	1.0
Ben Lomond(lower)	11H9	5850	11/29	5	0.6	4.4	2.5
Ben Lomond Trail	11H30	6000	11/29	6	0.7	5.0	- -
Big Flat	12L7	10290	11/30	22	5.8	3.8	- -
Buck Flat	11K31	9400	12/1	16	4.0	6.8	1.2
Castle Valley	12M13	9700	12/1	21	5.2	- -	- -
Dry Bread Pond	11H13	8230	11/29	25	6.0	4.5	1.8
Dry Valley Divide	11K8	7800	12/2	8	1.5	3.6	- -
Duck Creek R.S.	12M4	8560	11/30	21	7.4	- -	- -
Garden City Summit	11H7	7600	11/30	26	5.8	2.3	3.2
Horse Ridge	11H21	8260	11/26	22	3.6	6.1	1.7
Jones Meadow	11K7	7600	12/2	4	1.0	3.2	- -
Kilfore Creek	11H31	7300	11/26	10	1.8	3.7	1.1
Klondike Narrows	11H1	7400	11/30	25	6.0	- -	- -
Merchant Valley	12L9	8200	11/30	10	2.4	1.9	- -
Monte Cristo R.S.	11H12	8960	11/29	35	8.0	7.7	- -
Mud Creek	11K33	8300	12/2	14	3.1	4.9	- -
Otter Lake	12L8	9300	11/30	20	4.9	- -	- -
Parley's Canyon	11J15	7500	12/2	11	2.8	- -	- -
Pine Creek	12L1	8700	11/29	15	2.5	4.6	2.0
Red Pine Ridge	11K28	9400	11/30	22	4.8	6.4	1.0
Rush Pond	11K38	9800	12/1	16	3.4	5.4	- -
Sagebrush Flat	11H15	6300	11/29	2	0.3	- -	0.2
Shingle Mill	12L11	6200	11/29	5	0.5	3.5	1.5
Stuart R.S.	11K27	7950	11/29	11	1.9	4.2	0.0
Timpanogos Divide	11J21	8140	11/29	26	7.6	8.1	- -
Tony Grove R.S.	11H3	6250	11/30	12	2.4	1.1	- -
Upper Joe's Valley	11K29	8800	11/30	13	2.6	4.1	- -
White River #1	10K2	8600	12/2	13	2.7	4.4	- -
White River #2	11K24	7600	12/2	7	1.5	3.2	- -
White River #3	11K25	7400	12/2	4	0.5	3.2	- -
Widtsoe-Escalante Smt.	11M1	9500	11/30	11	2.1	- -	- -
Widtsoe-Escalante #3	11M3	9500	11/30	16	3.3	- -	- -
Wrigley Creek	11K32	9000	12/1	15	3.4	4.1	- -

USDA-SCS-PORTLAND, OREG. 1964

*(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.*

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Burts-Miller Ranch	7900	5/26	1.48	- -	10.61	- -	--
Chalk Creek #2*	8000	5/27	1.69	2.35	17.41	21.30	82
Chalk Creek #3*	7500	5/27	0.98	- -	13.93	- -	--
Hayden Fork	9300	5/26	2.54	- -	20.27	- -	--
Monte Cristo #2	8960	5/31	1.35	3.10	27.52	36.25	76
Salt River Summit	7900	6/2	1.40	2.30	14.20	22.80	62
Stillwater Camp	8550	5/26	1.67	1.80	13.14	16.45	80
Trial Lake*	9800	5/26	2.97	2.70	24.68	29.90	83
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	5/31	1.75	2.80	23.84	27.85	86
Garden City Summit	7600	5/26	1.53	2.65	19.00	24.25	78
Klondike Narrows	7400	5/26	1.91	3.30	24.13	30.00	80
Little Bear(upper)	6850	5/27	3.76	2.60	24.06	24.70	97
Monte Cristo #2	8960	5/31	1.35	3.10	27.52	36.25	76
Tony Grove R.S. (SCS)	6250	5/26	1.94	- -	18.90	- -	--
Willow Flat	6100	5/31	3.34	3.10	23.99	30.80	78
OGDEN RIVER							
Ben Lomond (lower)	5850	5/27	5.65	3.25	31.77	32.50	98
Ben Lomond Trail	6000	5/27	6.11	3.40	33.57	34.10	98
Causey Dam	5500	5/31	2.20	- -	15.47	- -	--
Dry Bread Pond	8230	5/31	1.75	2.80	23.84	27.85	86
Horse Ridge	8260	5/31	1.87	- -	22.36	- -	--
Monte Cristo #2*	8960	5/31	1.35	3.10	27.52	36.25	76
Sagebrush Flat	6300	5/31	2.25	1.85	16.39	18.70	88
WEBER RIVER							
Chalk Creek #1	9100	5/27	2.28	- -	23.82	- -	--
Chalk Creek #2	8000	5/27	1.69	2.35	17.41	21.30	82
Chalk Creek #3	7500	5/27	0.98	- -	13.93	- -	--
Farmington Guard Sta.(1)	7500	6/1	4.16	3.95	30.42	38.35	79
Farmington Rice (1)	7000	6/1	3.70	3.75a	27.09	35.68a	76
Horse Ridge	8260	5/31	1.87	- -	22.36	- -	--
Lost Creek Reservoir	6125	6/1	1.05	- -	11.92	- -	--
Mt. Dell Dam (2)*	5500	5/31	1.75	2.22a	15.34	17.86a	86
Parley's Canyon Smt.	7500	6/2	1.08	2.70	19.67	27.00	73
Redden Mine (upper)	9000	5/26	1.68	- -	25.25	- -	--
Silver Lake (Brighton)(2)*	8725	5/31	2.13	3.01a	26.94	36.00a	75
Smith & Morehouse	7600	5/27	1.76	2.55	19.42	23.75	82
Trial Lake*	9800	5/26	2.97	2.70	24.68	29.90	83

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	5/27	1.37	2.10	14.57	21.10	69
Daniels-Strawberry Smt.	8000	6/3	2.50	2.20	18.58	23.40	79
Dutchman R.S.	7500	5/27	3.17	2.36	22.02	31.81	69
East Portal Ridge	7800	6/1	3.00	- -	18.85	- -	--
Hobble Creek Smt.	7300	5/27	3.07	2.35	17.12	22.55	76
Payson R.S.	8050	5/27	1.88	2.35	20.27	23.25	87
Soapstone R.S.	7800	5/26	2.17	2.30	16.39	21.00	78
Strawberry Res.-E.Portal	7606	6/1	2.65	1.48a	12.52	13.44a	93
Timpanogos Divide	8200	5/30	3.30	2.36a	28.73	31.81a	90
Trial Lake	9800	5/26	2.97	2.70	24.68	29.90	83
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	5/27	1.45	2.40	18.29	22.70	81
Mt. Dell Dam(2)	5500	5/31	1.75	2.22a	15.34	17.86a	86
Parley's Canyon Smt.	7500	6/2	1.08	2.70	19.67	27.00	73
Silver Lake(Brighton)(2)	8725	5/31	2.13	3.01a	26.94	36.00a	75
SEVIER RIVER ABOVE RICHFIELD							
Big Flat*	10290	6/2	1.80	2.45	17.06	24.30	70
Box Creek	9800	5/27	1.56	1.85	13.34	17.25	77
Castle Valley	9700	5/31	1.10	2.35	18.52	21.55	86
Cedar Breaks	10390	6/1	1.10	3.10	23.19	28.25	82
Duck Creek R.S.	8560	5/31	1.15	2.60	23.23	25.00	93
Fish Lake	8700	5/27	0.84	1.47	8.94	10.43	86
Kimberly Mine	8900	5/31	1.50	2.40	18.97	23.80	80
Panguitch Lake	8200	5/31	0.38	1.05	9.39	9.70	97
Webster Flat*	9200	6/1	0.73	3.00	25.33	27.00	94
Widtsoe-Escalante #3	9500	5/27	1.22	1.80	14.37	16.40	88
Widtsoe R.S.	7600	5/27	0.59	0.75a	4.99	6.73a	74
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	5/27	1.60	2.10	13.20	19.80	67
Farnsworth Lake	9900	5/27	1.42	2.45	16.43	24.25	68
G.B.R.C. Headquarters(1)	8700	5/31	1.72	2.52a	15.96	24.97a	64
G.B.R.C. Meadows (1)	10000	5/31	2.21	2.77a	20.70	27.59a	75
G.B.R.C. Oaks(1)	7655	5/31	1.00	1.85a	9.57	17.37a	55
Gooseberry R.S.(1)	7800	5/28	1.00	1.90	11.62	17.00	68
Gooseberry Reservoir*	8700	5/26	2.28	2.35	18.59	24.00	77
Mammoth R.S. #2*	8600	5/26	2.03	2.35	18.61	23.80	78
Mt. Baldy R.S.	9500	5/27	2.08	- -	16.80	- -	--
Pickle Keg Springs	9600	5/25	1.31	- -	13.55	- -	--
Pine Creek	8700	6/3	2.05	3.00	24.05	30.40	80
Salina Creek(lower)	7250	5/25	1.28	- -	7.82	- -	--
Shingle Mill	6200	5/31	1.30	2.15	15.62	19.65	79
White Gate	9350	5/25	0.84	- -	9.44	- -	--

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

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	MONTHS PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
BEAVER RIVER							
Beaver Canyon P.H. (2)	7275	5/31	1.43	1.39a	10.01	13.58a	74
Big Flat	10290	6/2	1.80	2.45	17.06	24.30	70
Merchant's Valley	8650	6/2	1.64	- -	14.11	- -	- -
PAROWAN CREEK							
Yankee Reservoir	8700	6/1	0.71	1.70	13.68	15.30	89
Tall Poles	8800	6/1	0.73		15.85		--
COAL CREEK							
Cedar Breaks	10390	6/1	1.10	3.10	23.19	28.25	82
Webster Flat*	9200	6/1	0.73	3.00	25.33	27.00	94
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	6/1	0.12	1.35	17.46	15.25	114
Long Flat	8000	6/3	0.46	1.65	15.13	17.95	84
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Hickerson Park	9100	5/27	- -	- -	8.66	- -	--
Black's Fork Jct.	8925	5/25	1.08	- -	10.96	- -	--
Burnt Creek	7900	5/27	1.08	- -	9.83	- -	--
E.Fk.Black's Fk. G.S.	9300	5/25	1.03	- -	11.99	- -	--
Hewinta G.S.	9500	5/25	1.06	- -	13.01	- -	--
Spirit Lake	10300	5/27	1.62	- -	15.03	- -	--
Steel Creek Park	9900	5/25	1.17	- -	14.15	- -	--
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	5/27	1.31	- -	15.76	- -	--
King's Cabin(upper)	8730	5/27	1.37	1.85	14.10	16.80	84
DUCHESNE RIVER							
Currant Creek	7800	5/26	1.86	1.50	14.23	16.60	86
Daniels-Strawberry Smt.*	8000	6/3	2.50	2.20	18.58	23.40	79
East Portal Ridge*	7800	6/1	3.00	- -	18.85	- -	--
Indian Canyon	9100	5/25	1.60	2.15	15.59	19.50	80
Julius Park	9800	5/25	2.21	2.10	15.24	19.00	80
Lakefork Mountain	10500	Delayed	Report	1.85	- -	17.65	--
Moon Lake	8150	5/31	2.20	1.58a	10.05	10.92a	92
Mosby Mountain	9500	5/25	2.47	- -	16.02	- -	--
Paradise Park	10100	5/25	0.88	2.30	16.84	20.40	82
Rock Creek	7900	5/26	3.10	1.45	13.75	14.95	92
Soapstone R.S.*	7800	5/26	2.17	2.30	16.39	21.00	78

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

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	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
DUCHESNE RIVER - Continued							
Strawberry Res. - E.Portal*	7606	6/1	2.65	1.48a	12.52	13.44a	93
Trial Lake	9800	5/26	2.97	2.70	24.68	29.90	83
White River #1*	8600	5/27	1.15	2.25	11.75	20.50	57
PRICE RIVER							
Clear Creek Ridge #2*	8000	5/27	1.37	2.10	14.57	21.10	69
Gooseberry Reservoir	8700	5/26	2.28	2.35	18.59	24.00	77
Indian Canyon	9100	5/25	1.60	2.15	15.59	19.50	80
Mammoth R.S. #2	8600	5/26	2.03	2.35	18.61	23.80	78
Mud Creek	8300	5/27	1.35	1.75	13.40	19.85	68
White River #1	8600	5/27	1.15	2.25	11.75	20.50	57
SAN RAFAEL RIVER							
Buck Flat	9400	5/27	1.50	2.25	14.70	22.50	65
G.B.R.C. Meadows*(1)	10000	5/31	2.21	2.77a	20.70	27.59a	75
Gooseberry Reservoir*	8700	5/26	2.28	2.35	18.59	24.00	77
Red Pine Ridge	9400	5/27	1.45	2.70	18.35	26.90	68
Stuart R.S.	7950	5/27	1.05	1.70	10.40	17.00	61
Orange Olsen		5/27	0.55	- -	6.55	- -	--
MUDDY RIVER							
Mt. Baldy R.S.*	9500	5/27	2.08	- -	16.80	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	5/27	0.81	1.70	10.59	15.40	69
Farnsworth Lake*	9900	5/27	1.42	2.45	16.43	24.25	68
Fish Lake	8700	5/27	0.84	1.47	8.94	10.43	86
Widtsoe-Escalante #3	9500	5/27	1.22	1.80	14.37	16.40	88
VIRGIN RIVER							
Duck Creek R.S.	8560	5/31	1.15	2.60	23.23	25.00	93
Webster Flat	9200	6/1	0.73	3.00	25.33	27.00	94
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	5/27	1.00	2.60	20.95	26.50	79
Camp Jackson	8600	5/26	0.90	2.05	18.60	20.95	89
LaSal Mountain(upper)	9600	5/26	1.75	2.50	20.35	25.20	81

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

USDA-SCS-PORTLAND, OREG 1962

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
AUGUST 1, 1965							
Daniels-Strawberry Smt.	8000	48	14.0	7/29	6.9	- - -	- - -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	8/3	19.4	16.4	16.9
SEPTEMBER 1, 1965							
Little Grassy	6100	72	24.5	8/24	14.3	7.6	- -
Long Flat	8000	72	14.9	8/24	9.0	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/3	18.4	- -	- -
OCTOBER 1, 1965							
Beaver Crk.-Skunk Crk.	7150	48	18.4	9/15	9.0	- -	8.9
Ben Lomond(lower)	5850	72	26.5	9/15	21.5	- -	21.5
Chalk Creek #2	8000	48	18.0	10/4	16.0	10.0	- -
Daniels-Strawberry Smt.	8000	48	14.0	10/1	6.7	6.1	- -
Dry Bread Pond	8230	48	13.5	9/15	10.7	- -	11.4
Garden City Summit	7600	72	18.3	9/14	7.2	- -	12.4
Little Grassy	6100	72	24.5	9/24	13.3	7.6	10.5
Long Flat	8000	72	14.9	9/29	6.9	5.4	6.4
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/29	15.4	11.2	15.7
Mud Creek	8300	72	14.4	9/30	11.7	10.7	10.9
White River #1	8600	48	16.0	9/30	11.8	6.9	10.1
NOVEMBER 1, 1965							
Chalk Creek #2	8000	48	18.0	10/26	16.0	9.5	13.5
Daniels-Strawberry Smt.	8000	48	14.0	10/25	6.3	6.9	7.2
Garden City Smt.	7600	72	18.3	11/8	8.0	- -	10.3
Little Grassy	6100	72	24.5	10/27	12.0	7.6	8.3
Long Flat	8000	72	14.9	10/27	7.8	6.1	6.0
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	10/29	16.5	11.2	15.4
Mud Creek	8300	72	14.4	10/29	11.5	10.7	10.9
White River #1	8600	48	16.0	10/29	12.0	7.3	10.0
DECEMBER 1, 1965							
Daniels-Strawberry Smt.	8000	48	14.0	12/1	7.0	6.7	7.1
Garden City Smt.	7600	72	18.3	12/2	8.3	- -	- -
Long Flat	8000	72	14.9	11/30	8.6	5.2	7.2
Little Grassy	6100	72	24.5	11/30	17.2	7.6	8.5
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	11/30	16.6	10.6	15.1
Mud Creek	8300	72	14.4	12/2	11.1	10.7	10.9
White River #1	8600	48	16.0	12/2	11.8	7.3	11.0
JANUARY 1, 1966							
Daniels-Strawberry Smt.	8000	48	14.0	1/3	8.3	7.8	4.9
Garden City Summit	7600	72	18.3	12/30	8.1	- -	- -
Mud Creek	8300	72	14.4	12/30	11.2	10.7	10.5

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
FEBRUARY 1, 1966							
Chalk Creek #2	8000	48	18.0	1/26	15.7	- -	13.7
Daniels-Strawberry Smt.	8000	48	14.0	1/27	9.3	9.1	- -
Garden City Smt.	7600	72	18.3	1/27	8.1	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	1/26	16.6	11.6	13.8
Mud Creek	8300	72	14.4	1/27	11.1	10.7	10.3
MARCH 1, 1966							
Chalk Creek #2	8000	48	18.0	2/23	15.7	13.7	13.9
Daniels-Strawberry Smt.	8000	48	14.0	2/25	10.3	12.0	5.9
Garden City Summit	7600	72	18.3	3/4	7.5	- -	9.5
Little Grassy	6100	72	24.5	3/1	19.8	- -	12.3
Long Flat	8000	72	14.9	3/1	9.2	7.0	3.9
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	2/24	16.6	11.6	13.6
Mud Creek	8300	72	14.4	3/1	11.1	10.7	10.3
White River #1	8600	48	16.0	2/28	12.1	7.3	8.0
APRIL 1, 1966							
Beaver Crk-Skunk Crk.	7150	48	18.4	3/29	15.1	14.5	9.7
Ben Lomond(lower)	5850	72	26.5	3/28	23.5	- -	23.2
Chalk Creek #2	8000	48	18.0	3/28	15.7	13.8	14.0
Corral	8200	48	13.4	4/4	11.7	5.9	5.6
Daniels-Strawberry Smt.	8000	48	14.0	3/30	13.3	12.1	6.3
Dry Bread Pond	8230	48	13.5	3/29	11.1	13.2	9.9
Garden City Smt.	7600	72	18.3	4/1	7.6	12.3	9.9
Grassy Trail Creek-Left Fk.	7970	48	14.5	4/4	14.5	8.9	10.5
Long Flat	8000	72	14.9	3/31	10.6	8.9	5.6
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	3/28	16.6	11.6	13.8
Mud Creek	8300	72	14.4	3/31	11.5	10.7	10.3
White River #1	8600	48	16.0	4/1	12.1	7.3	8.5
MAY 1, 1966							
Ben Lomond(lower)	5850	72	26.5	4/28	23.0	23.1	- -
Chalk Creek #2	8000	48	18.0	4/28	17.5	- -	15.6
Corral	8200	48	13.4	4/29	11.7	9.4	- -
Daniels-Strawberry Smt.	8000	48	14.0	4/27	13.4	12.8	8.7
Dry Bread Pond	8230	48	13.5	4/27	13.3	- -	- -
Garden City Smt.	7600	72	18.3	4/22	11.5	15.1	16.5
Grassy Trail Creek-Left Fk.	7970	48	14.5	4/29	14.5	14.0	- -
Long Flat	8000	72	14.9	4/27	11.9	12.8	9.2
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	4/27	19.7	19.5	18.5
Mud Creek	8300	72	14.4	4/28	12.1	11.1	10.9
White River #1	8600	48	16.0	4/28	15.2	9.3	9.7
Little Grassy	6100	72	24.5	4/27	19.8	- -	12.3

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
JUNE 1, 1966							
Beaver Crk-Skunk Crk.	7150	48	18.4	5/31	16.2	16.8	15.9
Ben Lomond(lower)	5850	72	26.5	5/27	23.2	23.3	23.4
Chalk Creek #2	8000	48	18.0	5/27	17.3	17.5	18.0
Currant Creek	7800	72	22.0	5/26	18.1	- -	16.8
Daniels-Strawberry Smt.	8000	48	14.0	6/3	10.1	- -	- -
Dry Bread Pond	8230	48	13.5	5/31	12.8	- -	12.5
Garden City Smt.	7600	72	18.3	5/20	14.3	16.4	15.1
Little Grassy	6100	72	24.5	6/1	18.8	- -	7.8
Long Flat	8000	72	14.9	6/3	11.4	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	5/26	20.1	19.7	19.4
Mud Creek	8300	72	14.4	5/27	11.1	11.5	12.0
White River #1	8600	48	16.0	5/27	14.1	14.2	15.0