WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH, BEAR & COLORADO RIVER BASIN

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

and

STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Utah Fish and Game Dept., Agricultural Experiment Stations at Arizona, Colorado and Utah; the State Engineers of Colorado, New Mexico and Wyoming; Bureau of Reclamation, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
JAN. 1, 1962

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

for

UTAH, BEAR and COLORADO RIVER BASINS

JANUARY 1, 1962

Report Prepared

by

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Mimeograph Series #466

WATER SUPPLY OUTLOOK

as of

JANUARY 1, 1962

* *
* The January 1st snowpack is 20% above average for Utah as a *
* whole, but varies from 30% below average in the mountains *
* east of Cedar City and Beaver, to about twice the usual *
* amount on the Ogden River. *
* Moisture in mountain soils is considerable above average on *
* most watersheds, and will produce greater than normal water *
* yields from the existing snowpack. Excluding Bear Lake, *
* reservoir storage is 77% of last year and 35% of average. *
* Most Utah streamflow forecasts for next summer fall between *
* about average to 25% above average. *
* The snowpack on tributaries of the Colorado River in Wyoming *
* and Colorado varies from average to twice average. *
* *

With a January 1st snowpack at 20% above average, Utah as a whole has the heaviest snowpack for this time of year that it has had since 1958, the last good year before the three drought years just completed. The only snow courses showing an exception to this picture are those at Widtsoe-Escalante Summit on the Escalante and East Fork Sevier rivers, and at the Midway Valley course near Cedar Breaks. However, the Widtsoe-Escalante Summit courses are within 6% of their average snow water.

The snowpack on Coal Creek near Cedar City is 30% less than average, while on the Virgin River it is 18% below average. The Kimberly Mine snow course on Clear Creek above Sevier - at the north end of the Beaver mountains - while better than it has been for the preceding three years, is 30% less than average.

The heaviest snowpack lies on the Ogden river watersheds, where the snow water is 190% of average. The Ben Lomond(lower) snow course on the North Fork of the Ogden river already has 5% <u>more</u> than the March 1 average.

The mountains east of Farmington show 160%, while near Salt Lake the snow is at about average. The Logan river shows 152%. Most of the rest of the state varies from about 15% to 40% above average. Some individual snow courses run higher than this, such as Trial Lake at the head of the Provo river with 157% and Daniels-Strawberry Summit southeast of Heber City with 158%.

Moisture in the soil underlying the snowpack - often a major factor influencing streamflow - is considerably above average on most watersheds. This will add more than the usual amount to the streamflow to be expected from existing snowpacks.

Forecasts are made by combining the snowpack and soil moisture factors and assuming that average climatic conditions will prevail for the balance of the season. On this basis, next summer's streamflow is expected to vary between about average to 130%, for most of the state. Lowest forecasts are in the areas of lightest snowpack. Streams expected to produce less than this are the Virgin river and streams near Cedar City, the streams draining from the Beaver mountains, and the inflow to Utah Lake. These are expected to produce between 10% and 20% less than the usual amount. Although the streams flowing into Utah Lake are all expected to yield average to near 20% above average water, the inflow to the Lake is expected to be about 20% <u>less</u> than average because of depleted ground water contributions resulting from the recent drought years.

Although the current outlook for next summer's streamflow is generally favorable, unless above average snows continue to fall for the balance of the season, the end of the summer will still see reservoirs much below average in carryover storage. Average streamflow would just meet the needs of this summer, without having an appreciable amount left over to refill the reservoirs to normal carryover conditions. Until we have a year with streamflow sufficiently above average to replenish the depleted reservoir supplies, the possibility of another dry season will continue as a potential threat of extreme hardship to water users dependent upon such supplies.

Measurements of a few key courses on the Green river in Wyoming show a snowpack varying from 140% to 205%. In Colorado, the snows vary from average to 150%. Soil moisture is above average.

Ordinarily 35% to 40% of the total snowpack to be expected has accumulated by the first of January. Since this leaves the major portion yet to come, the water supply prospects may change considerably, either up or down, as the rest of the winter's snow accumulates.

COMPARATIVE SNOW DATA

Summary of Snow Survey Data by Tributary Watersheds as of January 1, 1962

TRIBUTARY BASINS	No. of Courses Averaged	1962 Snow Water Expressed as Percent of 1961	1960	& 1943-57Av.
GREAT BASIN				
Smith's Fork - Bear River	2	126	352	142
Logan River	3	170	477	152
Ogden River	3	200	344	190
Weber River above Echo Dam	6	160	347	127
East Canyon Creek	3	151	282	106
Farmington Creek	2	186	- -	160
Salt Lake Area	4	140	284	105
Tooele Area	1	105	121	121
American Fork River	3	275	349	125
Provo River above Vivian Park	7	190	378	130
Strawberry Reservoir Valley	3	250	435	133
Payson Creek	2	190	246	140
Sevier River above Hatch	3	143	126	104
East Fork Sevier River	3	55	108	94
Clear Creek above Sevier	1	131	142	70
Salina Creek	2	137	372	114
San Pitch River	4	190	440	132
Coal Creek-Cedar City	2	107	112	70
COLORADO RIVER BASIN				
Duchesne-Strawberry Rivers	6	215	450	132
Whiterocks - Uintah Rivers	3	129	473	114
Price River	4	208	498	122
San Rafael River	2	190	448	128
Escalante River	3	55	108	94
Virgin River	3	123	124	82

STATUS OF RESERVOIR STORAGE - JANUARY 1, 1962 (1)

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000s AF	USABLE STORAGE - 1000 Acre Feet 1962	1961	1960	15-Yr. Av. 1943-57
			GREAT BASIN			
Bear River	Bear Lake	1421.0	479.5	774.1	916.0	806.4
Little Bear	Hyrum	15.3	7.4	6.1	8.6	9.8
Ogden	Pine View	110.0	10.6	5.3	7.7	7.2
Weber	Rockport	59.1	10.6	15.1	10.5	-
	Echo	73.9	12.5	18.3	19.2	26.3
	East Canyon	28.7	2.0	3.4	11.5	14.1
Provo	Deer Creek	149.7	49.0	50.5	60.2	84.8
Spanish Fork	Strawberry	270.0	16.2	54.1	102.7	128.6
Utah Lake	Utah Lake	1149.0(2)	161.8	244.5	385.1	516.7
Sevier River	Otter Creek	52.5	12.0	8.6	16.9	21.6
	Piute	74.0	14.1	11.5	15.8	29.6
	Sevier Bridge	236.0	25.2	20.5	30.1	120.1
Beaver River	Rocky Ford	23.3	5.3	4.7	4.3	11.9
			COLORADO RIVER DRAINAGE			
Lake Fork	Moon Lake	35.8	20.3	7.4	7.8	10.6
Price River	Scofield	65.8	1.3	2.0	5.5	13.7

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

(2) Active capacity taken at 3.1 feet above compromise point.

SNOW SURVEYS - ABOUT JANUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GREAT BASIN DRAINAGE								
UPPER BEAR RIVER (Above Harer, Idaho)								
CCC Camp x	10G7	7500	12/27	31	7.0	5.3	2.6	4.9
Salt River Summit x	10G8	7900	12/27	40	8.7	7.3	2.0	6.2*
Trial Lake x	10J8	9800	12/28	50	17.3	9.4	6.0	11.0*
LOWER BEAR RIVER (Below Harer, Idaho)								
Garden City Summit	11H7	7600	12/28	43	11.8	6.2	1.8	7.5*
Klondike Narrows	11H1	7400	12/28	40	10.2	8.3	3.3	7.2*
Tony Grove R.S.	11H3	6250	12/28	30	7.5	3.8	1.6	4.8*
OGDEN RIVER								
Ben Lomond(lower)	11H9	5850	12/30	38	12.9	5.1	3.7	5.8*
Mt. Ogden	11H10	8600	12/30	47	18.3	10.6	5.3	11.0*
Snow Basin	11H11	6420	12/30	32	9.5	5.5	2.8	5.2*
WEBER RIVER								
Beaver Creek R.S.	11J24	7500	12/28	24	6.0	3.3	0.6	4.1*
Lamb's Canyon x	11J14	6600	12/29	28	6.2	3.8	3.4	6.0*
Parley's Canyon Smt.	11J15	7500	12/28	33	8.7	6.0	2.1	7.3*
Silver Lake x	11J16	8725	12/28	45	11.2	7.8	4.5	11.5
Smith & Morehouse	11J4	7600	12/27	25	6.6	4.8	1.1	4.9*
Trial Lake x	10J8	9800	12/28	50	17.3	9.4	6.0	11.0*
PROVO RIVER & UTAH LAKE								
Camp Altamont	11J20	7300	12/28	35	10.9	3.2	2.4	7.3
Daniels-Strawberry Smt.	11J23	8000	12/26	32	8.4	3.4	2.8	5.3
East Portal	11J7	7560	12/30	25	6.3	NR	1.1	4.6*
Payson R.S.	11K1	8050	12/27	31	8.8	4.0	3.2	6.0*
Rock Bridge	11K2	6750	12/27	22	5.4	3.4	2.5	4.1*
Soapstone R.S.	11J25	7800	12/28	30	6.6	3.6	0.8	5.3*
South Fork R.S.	11J19	6100	12/28	14	4.4	1.7	2.6	4.1*
Strawberry Divide	11J8	8000	12/30	34	9.1	NR	2.1	8.7*
Timpanogos Cave Camp	11J18	5500	12/28	4	1.1	NR	0.8	2.2*
Timpanogos Divide	11J21	8140	12/28	46	13.6	6.0	3.2	11.4
Trial Lake	10J8	9800	12/28	50	17.3	9.4	6.0	11.0*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT JANUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
JORDAN RIVER & GREAT SALT LAKE								
Farmington Canyon(1)	11J12	6950	12/29	47	14.4	7.6	1.2	8.9*
Farmington Canyon(u)	11J11	8000	12/29	51	16.4	8.9	1.1	10.4*
Lamb's Canyon	11J14	6600	12/29	28	6.2	3.8	3.4	6.0*
Middle Canyon	12J3	7000	12/27	25	6.4	6.1	2.2	5.3*
Mill D South Fork	11J10	7400	12/28	32	7.6	6.9	2.6	7.6*
Parley's Canyon Smt.x	11J15	7500	12/28	33	8.7	6.0	2.1	7.3*
Silver Lake	11J16	8725	12/28	45	11.2	7.8	4.5	11.5
UPPER SEVIER RIVER (South of Richfield, Utah)								
Bryce Canyon	12M8	8000	12/29	10	1.7	0.8	2.6	1.9*
Duck Creek R.S.	12M4	8560	12/27	22	5.3	3.4	3.6	5.0*
Harris Flat R.S.	12M5	7700	12/27	16	3.6	1.7	3.0	2.5*
Kimberly Mine	12L6	8900	12/27	21	4.7	3.6	3.3	6.7*
Long Valley Jct. x	12M6	7500	12/27	11	2.8	1.1	2.2	1.0*
Midway Valley	12M2	9800	12/27	23	6.1	10.0	5.5	9.7*
Widtsoe-Escalante Smt.	11M1	9500	12/26	13	3.0	5.0	2.0	3.2*
Widtsoe-Escalante #2	11M2	9500	12/26	19	3.8	6.9	4.5	4.0
Widtsoe-Escalante #3	11M3	9500	12/26	22	4.9	9.6	5.4	- -
LOWER SEVIER RIVER (Including San Pitch River)								
Beaver Dams	11K13	8000	12/26	25	6.2	3.2	1.7	3.9*
Farnsworth Lake	11L1	9900	12/28	29	8.0	6.6	2.8	7.4*
G.B.R.C. Headquarters	11K11	8700	12/29	31	8.4	4.5	3.0	5.8*
G.B.R.C. Meadows	11K10	10000	12/29	40	11.9	6.5	4.3	10.0*
Gooseberry R.S.	11L2	8400	12/28	22	5.5	3.6	1.2	4.6*
Gooseberry Reservoir x	11K4	8700	12/27	33	9.9	5.0	1.6	7.3*
Mammoth R.S.- Ctnwd. Crk	11K3	8800	12/27	35	9.9	5.2	1.7	7.7*
Mt. Baldy R.S.	11K12	9500	12/26	40	10.9	6.7	4.5	9.3*
COAL CREEK								
Midway Valley x	12M2	9800	12/27	23	6.1	10.0	5.5	9.7*
Urie Flat	12M10	8450	12/27	13	3.8	2.2	3.3	1.8*
Webster Flat x	12M3	9200	12/27	23	5.8	3.8	5.1	7.6*

x - Adjacent Drainage * - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT JANUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW-COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
COLORADO RIVER DRAINAGE								
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.)								
Berthoud Summit	5K14	11300	12/28	35	9.3	6.7	11.1	8.2*
Fremont Pass	6K8	11400	12/28	44	8.2	4.7	6.9	5.9*
Vail Pass	6K15	10000	12/29	44	7.7	4.5	4.7	5.0*
GUNNISON RIVER								
Porphyry Creek	6L3	10700	12/29	33	7.2	9.1	7.3	7.1*
Red Mountain Pass	7M15	11000	12/29	54	15.8	11.3	--	--
UPPER GREEN RIVER (Above Flaming Gorge Reservoir)								
East Rim Divide	10F17	7950	12/29	32	8.2	2.7	1.1	4.0*
YAMPA RIVER								
Columbine Lodge x	6J3	9300	12/27	42	9.9	7.6	10.1	8.5*
DUCHESNE RIVER								
Daniels-Strawberry Smt. x	11J23	8000	12/26	32	8.4	3.4	2.8	5.3
East Portal x	11J7	7560	12/30	25	6.3	NR	1.1	4.6*
Indian Canyon	10K1	9100	12/27	25	5.7	2.3	2.0	5.2*
Julius Park	9J6	9800	12/27	28	7.0	6.1	1.5	--
Mosby Mountain	9J5	9500	12/27	24	5.5	3.2	1.1	5.0*
Paradise Park	9J3	10100	12/27	28	6.8	6.8	1.5	5.7*
Soapstone R. S. x	11J25	7800	12/28	30	6.6	3.6	0.8	5.3*
Strawberry Divide x	11J8	8000	12/30	34	9.1	NR	2.1	8.7*
Trial Lake x	10J8	9800	12/28	50	17.3	9.4	6.0	11.0*
PRICE RIVER								
Dry Valley Divide	11K8	7800	12/30	19	5.2	NR	0.8	4.7*
Gooseberry Reservoir	11K4	8700	12/27	33	9.9	5.0	1.6	7.3*
Indian Canyon x	10K1	9100	12/27	25	5.7	2.3	2.0	5.2*
Jones Ranch **	11K7	7600	12/30	14	3.2	NR	0.3	2.6*
Mammoth R.S.-Ctnwd. Crk. x	11K3	8800	12/27	35	9.9	5.2	1.7	7.7*
Mud Creek #2	11K33	8300	12/27	28	6.1	3.1	1.2	5.0*

x - Adjacent Drainage * - 1943-57 Adjusted Average

** - Formerly called Staley Ranch

SNOW SURVEYS - ABOUT JANUARY 1, 1962

RAINAGE BASIN and SNOW COURSE	No.-	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
SAN RAFAEL RIVER								
G.B.R.C. Meadows x	11K10	10000	12/29	40	11.9	6.5	4.3	10.0*
Gooseberry Reservoir x	11K4	8700	12/27	33	9.9	5.0	1.6	7.3*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	12/27	35	9.9	5.2	1.7	7.7*
Mt. Baldy R.S. x	11K12	9500	12/26	40	10.9	6.7	4.5	9.3*
FREMONT RIVER								
Farnsworth Lake x	11L1	9900	12/28	29	8.0	6.6	2.8	7.4*
MUDDY RIVER								
Mt. Baldy R.S. x	11K12	9500	12/26	40	10.9	6.7	4.5	9.3*
ESCALANTE RIVER								
Widtsoe-Escalante Smt.	11M1	9500	12/26	13	3.0	5.0	2.0	3.2*
Widtsoe-Escalante #2	11M2	9500	12/26	19	3.8	6.9	4.5	4.0*
Widtsoe-Escalante #3	11M3	9500	12/26	22	4.9	9.6	5.4	- -
VIRGIN RIVER								
Duck Creek R.S.	12M4	8560	12/27	22	5.3	3.4	3.6	5.0*
Harris Flat R.S. x	12M5	7700	12/27	16	3.6	1.7	3.0	2.5*
Long Valley Junction	12M6	7500	12/27	11	2.8	1.1	2.2	1.0*
Midway Valley x	12M2	9400	12/27	23	6.1	10.0	5.5	9.7*
Webster Flat	12M3	9200	12/27	23	5.8	3.8	5.1	7.6*
SAN JUAN RIVER								
Spud Mountain	7M11	10700	12/29	39	11.6	6.9	10.1	10.9*
Upper San Juan	6M3	10000	12/27	59	15.7	7.3	13.9	11.1*
Wolf Creek Pass x	6M1	10000	12/27	56	15.3	7.3	14.8	10.3*
Wolf Creek Summit x	6M17	11000	12/27	60	16.7	7.8	20.8	11.9*

x - Adjacent Drainage * - 1943-57 Adjusted Average

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STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Utah Fish and Game Dept., Agricultural Experiment Stations at Arizona, Colorado and Utah; the State Engineers of Colorado, New Mexico and Wyoming; Bureau of Reclamation, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
FEB. 1, 1962

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

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UTAH, BEAR and COLORADO RIVER BASINS

FEBRUARY 1, 1962

Report Prepared

by

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and

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Mimeograph Series #467

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH, BEAR and UPPER COLORADO BASINS

February 1, 1962
Approximate Date

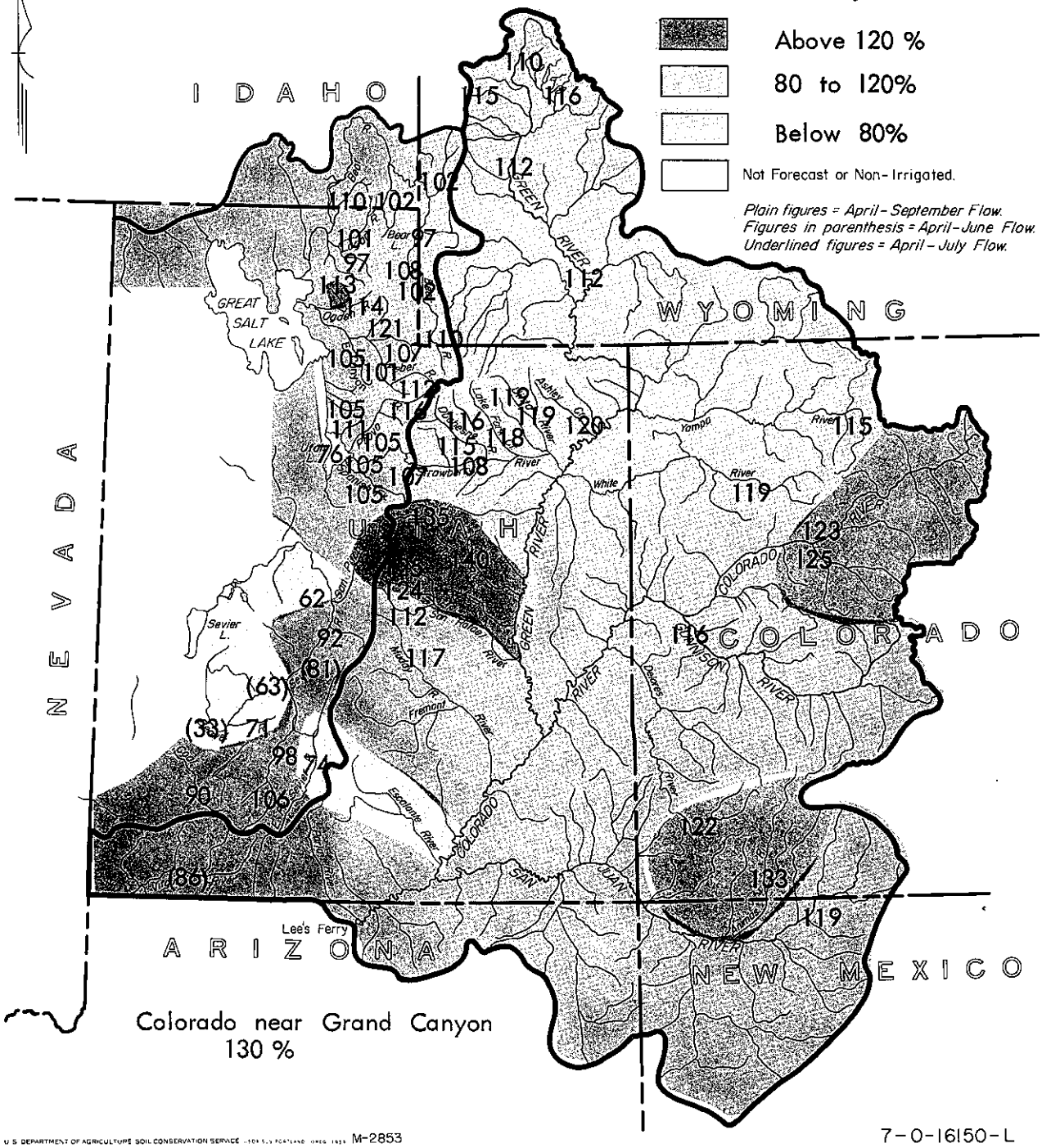
50 0 50 100
SCALE IN MILES

N

Forecast Stream Flow in Percent of 1943-57
15 Year Average

- Above 120 %
- 80 to 120%
- Below 80%
- Not Forecast or Non-Irrigated.

Plain figures = April-September Flow.
Figures in parenthesis = April-June Flow.
Underlined figures = April-July Flow.



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

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

FEBRUARY 1, 1962

* *
* Streamflow is expected to vary between 95% and 120% of average *
* for most of Utah. On the dark side, exceptions to this general *
* picture exist on the Sevier river below Gunnison, water supplies *
* coming from Utah Lake, the Beaver, East Fork Sevier and Escalante *
* rivers. Forecasts for these streams range from 60% to 80% of *
* average. Exceeding the general outlook, yields of 120% to 140% *
* are expected from the North Fork Ogden river, Price and San Pitch *
* rivers, Huntington and Cottonwood Creeks. *
* Excluding Bear Lake-which holds 60% of average-total storage *
* in 14 other major reservoirs is only 38%. *
* Forecasts for the Green river and its tributaries in Wyoming *
* range from 10% to 16% above average. In Colorado, forecasts *
* for streams tributary to the Green, Colorado and San Juan *
* rivers range from about 15% to 35% above average. *
* *

While the outlook for next summer's streamflow is good in most areas, the month of January failed to produce its usual snowpack accumulation. On most watersheds the month's increase was only one half to three fourths the usual amount. Exception occurred on the Cottonwood Creeks near Salt Lake, the Price and San Pitch rivers, the Sevier river south of Panguitch, and near Paradise Park in the Uintah Basin. Increases in these areas ranged from about 15% to 50% above average. Some low elevation snow courses also show average or above increases for the month, due principally to cold temperatures which have retarded normal snowmelt.

While all streams draining into Utah Lake are expected to yield from about 5% to 10% <u>more</u> than their usual amounts during the April-September period, total inflow to the lake is expected to be about 24% <u>less</u> than average. This is because the ground water inflow to the lake is down as a carryover result from the low flows of last year. When combined with the low storage in the Lake-34% of average-the outlook is not good.

The same low ground water effect is also largely responsible for a forecast of 62% of average for the Sevier river at Gunnison. When combined with a storage in Sevier Bridge reservoir of 24% of average, this leaves a poor outlook for the storage companies in the Delta area.

Heaviest streamflow in the state is expected to come from the North Fork of the Ogden river. Here the Ben Lomond (lower) snow course already has a little more than its April 1st average snow water.

Included among the streams having prospects of about average to 20% above are the Bear river and all its tributaries in Utah, Idaho and Wyoming, the Weber, South Fork Ogden and Provo rivers. Also included are all streams draining into

Utah Lake and Jordan river, all Uintah Basin streams, the watersheds near Farmington and Tooele, Muddy and Fremont rivers, Salina and Ferron Creeks and the Sevier river above Circleville.

While outlook for the current year's streamflow is good, the low reservoir storage injects a warning note into the picture. Unless much above average snowfall occurs in the next few months, the end of this summer will find our reservoirs nearly as empty as they are now. This of course leaves the possibility that a dry season next year could be disastrous. Such a potential will continue until we have enough years of above average streamflow to remove the storage deficit.

If the current high pressure ridge continues to keep storms from moving into the state so that the water outlook keeps falling, this year could still see considerable hardship for water users dependent on reservoir storage rights. Page 6 gives reservoir storage figures as furnished by the U. S. Geological survey.

The water outlook for the Colorado river and its main tributaries, the Green and San Juan Rivers, is excellent. Forecasts on these streams range from 10% to 35% above average. Inflow to Lake Mead is expected to be nearly a third more than usual.

STREAMFLOW FORECASTS - FEBRUARY 1, 1962

The following summarized 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.

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1960	1959	15-Yr. Av. 1943-57
GREAT BASIN						
BEAR RIVER SYSTEM						
Bear nr Ut-Wyo. State Line	135	110	Apr-Sept	88	100	123
Bear nr Woodruff	136	102	Apr-Sept	61	77	133
Woodruff Crk nr Woodruff, Ut.	21	108	Apr-Sept	9.2	8.8	19.4*
Big Crk nr Randolph, Ut.	10.5	108	Apr-Sept	2.5	4.3	9.7*
Bear nr Randolph	112	97	Apr-Sept	23.8	35	115 *
Smith's Fork nr Border, Wyo.	121	102	Apr-Sept	83	80	119
Bear at Harer, Idaho	305	102	Apr-Sept	119	122	299
Cub River nr Preston, Ida.	57	110	Apr-Sept	37	40	52 *
Little Bear nr Paradise	52	113	Apr-Sept	23.3	19.0	46
Logan nr Logan(1)	145	101	Apr-Sept	99	102	143
Blacksmith Fork nr Hyrum(2)	65	97	Apr-Sept	40	37	67
WEBER-OGDEN RIVERS						
Weber nr Oakley	120	112	Apr-June	76	73	107
	150	112	Apr-Sept	90	91	134
Wanship Reservoir Inflow(3)	145	112	Apr-July	73	80	130 *
Weber nr Coalville(4)	145	101	Apr-Sept	70	86	143
Chalk Crk at Coalville	45	107	Apr-Sept	15.7	16.8	42
Lost Crk nr Croydon, Ut.	24	121	Apr-Sept	7.9	6.6	19.9
East Canyon Crk nr Morgan(5)	30	105	Apr-Sept	11.0	10.2	28.7
So. Fork Ogden nr Huntsville	80	114	Apr-Sept	38	29.3	70
PROVO RIVER & UTAH LAKE						
Strawberry Reservoir Inflow(6)	60	107	Apr-Sept	19.6	10.4	56
Spanish Fork at Thistle	45	105	Apr-Sept	22.0	14.4	43
Hobble Crk nr Springville	25	105	Apr-Sept	7.2	5.9	23.7*
Provo nr Hailstone(7)	135	116	Apr-Sept	71	72	116

(1) Includes U.P.&L. Co. Tailrace and Logan, Hyde Park & Smithfield Canal.
(2) Above Utah Power & Light Company's dam.
(3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship reservoir, plus diversion by Weber-Provo Canal.
(4) Includes diversion by Weber-Provo canal and change in storage in Wanship Reservoir.
(5) Observed flow plus change in storage in East Canyon Reservoir.
(6) Change in storage plus diversion thru Strawberry tunnel.
(7) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
*- 1943-57 Adjusted Average

STREAMFLOW FORECASTS - February 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr.	Forecast Period	Measured Runoff 1960	Measured Runoff 1959	15-Yr. Av. 1943-57
PROVO RIVER & UTAH LAKE - Continued						
Provo at Vivian Park(8)	167	105	Apr-Sept	76	81	159
American Fork nr American Fork	40	111	Apr-Sept	23.8	19.1	36
Utah Lake Inflow	240	76	Apr-Sept	112	195	317
JORDAN RIVER & SALT LAKE						
Little Cottonwood Crk nr SLC	41	105	Apr-Sept	32	28	39
Big Cottonwood nr SLC	42	105	Apr-Sept	33	31	40
Parley's Crk nr SLC	16	109	Apr-Sept	6.6	4.6	14.7
SEVIER RIVER						
Sevier at Hatch	37	106	Apr-June	14.7	11.0	35
	52	106	Apr-Sept	21.7	19.5	49
Sevier nr Circleville	42	98	Apr-Sept	14.9	16.0	43 *
Sevier nr Kingston	22.5	91	Apr-June	2.4	2.9	24.6
	27	91	Apr-Sept	3.6	4.6	29.7
East Fork Sevier nr Kingston(9)	11	64	Apr-June	3.4	2.3	17.2
	16	74	Apr-Sept	7.2	5.9	21.6
Sevier below Piute Dam(10)	43	84	Apr-Sept	7.6	13.3	51
Clear Crk nr Sevier(abv.div.)	10	63	Apr-June	8.8	3.5	15.9*
Inflow						
Kingston to Vermillion Dam	38	81	Apr-June	16.6	9.0	47
Vermillion Dam to Gunnison	58	92	March-June	32	35	63
Salina Crk at Salina(11)	12	128	Apr-June	--	--	9.4*
BEAVER RIVER						
Beaver nr Beaver	15	67	Apr-June	11.3	6.4	22.3
	21	71	Apr-Sept	14.2	9.2	29.4
Rockyford Reservoir Inflow(12)	3	33	Apr-June	0.1	2.0	9.2
COAL CREEK						
Coal Crk nr Cedar City	15	90	Apr-Sept	8.1	7.0	16.6

(8) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.
(9) Observed flow plus change in storage in Otter Creek Reservoir
(10) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
(11) Gage is below diversions near Salina
(12) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir.
* - 1943-57 Adjusted Average

STREAMFLOW FORECASTS - FEBRUARY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1960	Measured Runoff 1959	15-Yr. Av. 1943-57
COLORADO RIVER BASIN						
GREEN RIVER TRIBUTARIES IN UTAH						
FLAMING GORGE TO DUCHESNE RIVER						
Ashley Creek nr Vernal	71	120	Apr-Sept	36	34	59
DUCHESNE RIVER						
Duchesne at Provo River (Trail nr Hanna)	47	112	Apr-Sept	--	--	42 *
Duchesne nr Tabiona(13)	142	115	Apr-Sept	74	69	124
Rock Crk nr Mtn. Home	126	116	Apr-Sept	76	80	109
Strawberry at Duchesne	85	108	Apr-Sept	19.9	17.7	79
Lakefork below Moon Lake(14)	92	118	Apr-Sept	55	58	78
Uinta nr Neola	120	119	Apr-Sept	71	76	101
Whiterocks nr Whiterocks	80	119	Apr-Sept	44	51	67
PRICE RIVER						
Gooseberry Crk nr Scofield	17	135	Apr-Sept	8.0	6.3	12.6
Price nr Scofield(15)	54	135	Apr-Sept	22.9	14.0	40
Price nr Heiner(15)	98	140	Apr-Sept	29.2	15.5	70
SAN RAFAEL RIVER						
Huntington Crk nr Huntington	74	125	Apr-Sept	34	26.5	59
Cottonwood Crk nr Orangeville	73	124	Apr-Sept	38	23.0	59
Ferron Crk nr Ferron	48	112	Apr-Sept	30	17.9	43 *
VIRGIN RIVER						
Virgin at Virgin	38	86	Apr-Sept	35	18.4	44
GREEN RIVER TRIBUTARIES IN WYOMING (Above Flaming Gorge Reservoir)						
Green at Warren Bridge, Wyo.	383	110	Apr-Sept	207	310	348
New Fork nr Boulder, Wyoming	303	116	Apr-Sept	110	201	260
No. Piney Crk nr Mason, Wyo.	47	115	Apr-Sept	24.3	32	41
Green nr Fontenelle, Wyo.	1100	112	Apr-Sept	438	704	995
Green nr Green River, Wyo.	1345	112	Apr-Sept	456	734	1200 *

(13) Observed flow plus diversion through Duchesne Tunnel.
(14) Observed flow plus change in storage in Moon Lake reservoir.
(15) Observed flow plus change in storage in Scofield reservoir.
* - 1943-57 Adjusted Average

STREAMFLOW FORECASTS - FEBRUARY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Fore-cast Period	Measured Runoff 1960	Measured Runoff 1959	15-Yr. Av. 1943-57
GREEN RIVER TRIBUTARIES IN COLORADO						
Yampa at Steamboat Springs	325	115	Apr-Sept	272	250	283
White nr Meeker	400	119	Apr-Sept	264	269	335
COLORADO RIVER (Above jnct. with Green River)						
Colorado at Glenwood Spgs.(16)	1900	123	Apr-Sept	1337	1164	1546
Roaring Fork at Glenwood Spgs.(17)	1000	125	Apr-Sept	682	623	803
Gunnison nr Grand Jct.	1800	116	Apr-Sept	994	604	1386
Dolores at Dolores	340	122	Apr-Sept	259	99	279
SAN JUAN RIVER						
San Juan at Rosa	700	119	Apr-Sept	629	239	587
Animas at Durango	630	133	Apr-Sept	455	244	475
COLORADO RIVER (Main Stem)						
Colorado nr Grand Canyon	10500	130	Apr-July	6120	4034	8056
	12000	131	Apr-Sept	6571	4792	9155

(16) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir plus Moffat ditch.
(17) Observed flow plus diversion through Twin Lakes Tunnel.

STATUS OF RESERVOIR STORAGE - FEBRUARY 1, 1962

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000s AF	USABLE STORAGE - 1000 ACRE FEET 1962	1961	1960	15-Yr. Av. 1943-57
			GREAT BASIN			
Bear River	Bear Lake	1421.0	485.3	776.8	924.8	806.4
Little Bear	Hyrum	15.3	8.7	8.3	10.4	10.7
Ogden	Pine View	110.0	14.4	7.2	9.7	7.0
Weber	Rockport	59.1	11.8	15.3	12.2	- -
	Echo	73.9	16.1	22.0	23.0	27.0
	East Canyon	28.7	3.5	4.3	11.9	15.2
Provo	Deer Creek	149.7	50.4	55.1	62.5	83.1
Spanish Fork	Strawberry	270.0	17.7	55.5	104.3	131.9
Utah Lake	Utah Lake	1149.0*	195.8	270.4	433.1	568.2
Sevier River	Otter Creek	52.5	14.9	11.5	24.5	27.5
	Piute	74.0	19.5	17.8	23.7	38.0
	Sevier Bridge	236.0	32.7	28.6	39.8	134.6
Beaver River	Rocky Ford	23.3	6.5	5.7	5.7	13.6
			COLORADO RIVER BASIN			
Lake Fork	Moon Lake	35.8	22.6	8.8	9.4	12.4
Price River	Scofield	65.8	1.6	2.2	5.8	15.2
Colorado	Granby	465.5	370.3	68.8	250.5	224.5*
Blue	Green Mtn.	146.9	105.6	74.9	85.9	76.7
Gunnison	Taylor Park	106.2	75.0	29.1	43.4	61.0
Dolores	Groundhog	21.7	5.0	4.0	3.0	7.1
San Juan	Vallecito	126.3	NR	NR	37.9	42.0
Little Colorado	Lyman	30.6	1.2	6.7	10.3	5.9
Colorado	Lake Mead	27,207.0	17901.0	18,978.0	19,282.0	17,488.0
Colorado	Lake Mohave	1,810.0	1680.4	1,696.0	1,780.0	1,426.6**
Colorado	Lake Havasu	619.4	564.8	546.3	540.0	549.4
Gila	San Carlos	1,206.0	111.4	6.0	180.6	98.4
Salt	Roosevelt	1,381.6	590.8	861.7	767.5	442.3
Salt	Apache	245.1	162.2	241.7	239.8	194.1
Salt	Canyon	57.9	56.8	52.1	57.1	33.4
Salt	Saguaro	69.8	65.2	50.7	66.6	28.7
Verde	Horseshoe	143.0	3.4	8.1	104.5	12.7**
Verde	Bartlett	180.0	59.1	28.0	152.0	41.4
Agua Fria	Lake Pleasant	163.8	12.3	27.0	47.3	22.9

* - Active capacity taken at 3.1 feet above compromise point
** - Less than 15 years of record in the 1943-57 period

COMPARATIVE SNOW DATA

Summary of Snow Survey Data by Tributary Watersheds as of February 1, 1962

TRIBUTARY BASINS	No. of Courses Averaged	1962 Snow Water Expressed as Percent of		
		1961	1960	& 1943-57 Av.
GREAT BASIN				
Upper Bear River	6	247	240	112
Smith's Fork - Bear River	2	196	223	118
Mink Creek - Cub River	3	216	204	106
Logan River	3	225	212	120
Blacksmith Fork	5	278	232	118
Ogden River	6	278	197	131
Weber River above Echo Dam	8	258	274	112
East Canyon Creek	3	220	227	102
Farmington Area	2	208	221	124
Salt Lake Area	4	240	243	109
Tooele Area	1	144	166	102
American Fork River	2	407	168	103
Provo River above Vivian Park	7	313	268	111
Strawberry Reservoir Valley	3	317	335	102
Mt. Nebo Area	2	282	185	119
Sevier River above Hatch	3	273	114	104
East Fork Sevier River	4	157	85	86
Salina Creek	2	174	104	100
San Pitch River	4	275	268	134
Beaver River	3	135	156	73
Coal Creek - Cedar City	2	164	100	86
COLORADO RIVER BASIN				
Duchesne - Strawberry Rivers	5	306	289	109
Lakefork River	2	423	168	110
Whiterocks River	3	189	226	123
Price River	5	347	268	122
San Rafael Tributaries	7	293	268	109
Escalante River	3	80	89	77
Virgin River	4	261	109	102
Upper Green River(Wyo)	9	276	317	142
Yampa River (Colo)	5	219	203	143
White River (Colo)	2	262	204	137
Colorado River above Grand Jct.	15	281	181	144
Gunnison - Dolores Rivers(Colo)	10	258	185	120
San Juan-Animas Rivers(Colo)	7	209	102	106

AVAILABLE SOIL MOISTURE

February 1, 1962

DRAINAGE BASIN & STATION	Station No. 1	Elev.	Soil Profile in Inches Depth	Soil Profile in Inches Cap.	Date	Soil Moisture Content in Inches - Fall, 1961 1962	1961	1960	Averag **
COLORADO STATIONS									
ROARING FORK									
Placita	7K7*	8800	48	8.0	Fall	6.4	0.1	2.4	2.1
Maroon	6K25*	8400	48	8.0	Fall	7.0	0.1	4.8	2.6
UPPER COLORADO									
Vail	6K5*	9200	48	8.0	Fall	7.0	0.2	5.2	2.8
Ranch Creek	5K18M	9400	48	7.0	Fall	5.5	3.9	5.7	4.4
Berthoud Pass	5K20*	9800	48	8.0	Fall	6.7	5.4	1.0	4.0
Gore Pass	5J15*	8900	48	7.0	Fall	4.8	0.2	2.1	1.6
Blue River	6K21M	10500	48	7.0	Fall	5.6	1.3	4.4	3.1
ing	6L9*	10500	48	8.0	Fall	5.5	2.6	5.9	5.4
DOLORES									
Lizard Head	7M3M	10300	48	7.0	Fall	5.7	4.1	5.4	5.3
Dolores	8M1*	7500	48	7.0	Fall	0.1	0.7	2.5	1.7
Rico	7M1M	8700	48	7.0	Fall	9.0	4.8	5.0	5.0
SAN JUAN									
Mineral Creek	7M14M	10300	48	8.0	Fall	4.9	4.1	5.6	4.8
Molas Lake	7M12M	10500	48	8.0	Fall	3.8	0.9	3.2	3.4
Cascade	7M5M	8850	48	8.0	Fall	5.1	4.5	5.7	5.4

* - Indicates soil moisture station only
M - Indicates soil moisture station on snow course
** - Average for all past record

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-5 Av
GREAT BASIN DRAINAGE								
UPPER BEAR RIVER (Above Harer, Idaho)								
Big Park a	10G11	8700	1/29	59	18.5a	5.0a	7.5a	- -
CCC Camp x	10G7	7500	1/29	36	9.3	4.8	5.0	8.3
Monte Cristo R. S.	11H12	8960	1/29	56	19.3	7.6	NS	17.0*
Piney LaBarge x	10G10	8820	2/1	57	18.9	7.7	6.3	13.0*
Salt River Summit x	10G8	7900	1/29	44	13.0	6.6	5.0	10.5*
Trial Lake x	10J8	9800	1/29	64	19.4	8.5	9.4	17.1*
LOWER BEAR RIVER (Below Harer, Idaho)								
Beaver Crk-Skunk Crk.	11H14	7150	1/29	36	10.8	3.5	4.2	8.5*
Christensen Ranch	11G11	5600	1/29	30	7.5	3.8	4.4	6.4*
Cub River R.S.	11G12	5400	1/30	28	7.4	2.5	5.3	5.9*
Dry Basin a	11G13	7900	No Report			-	-	-
Dry Bread Pond x	11H13	8230	1/29	42	12.9	3.8	6.1	12.3*
Dry Creek Flat	12G4	6350	1/29	28	6.2	0.6	4.7	4.7*
Emigrant Summit	11G6	7350	1/29	56	16.6	8.7	-	-
Garden City Summit	11H7	7600	1/26	52	15.2	6.4	5.8	12.5*
Horseshoe Basin a	11G14	8000	No Report			-	-	-
Klondike Narrows	11H1	7400	1/26	51	14.4	7.8	8.2	12.3*
Liberty Spring	11G15	8420	1/31	74	26.4	14.5	14.8	-
Monte Cristo R. S.	11H12	8960	1/29	56	19.3	7.6	NS	17.0*
Oxford Mountain	12G3	6800	1/29	28	6.3	2.8	3.8	6.3
Steep Hollow #2	11H28	7700	1/31	61	20.5	10.0	NS	-
Strawberry Creek	11G9	5800	1/29	35	9.2	3.9	4.7	7.7*
Strawberry Mink Divide	11G10	6800	1/29	53	16.2	8.2	7.0	13.6*
Tony Grove R. S.	11H3	6250	1/26	36	9.8	3.9	5.0	8.0*
Willow Flat	11G4	6100	1/30	41	10.7	5.0	5.8	13.5*
OGDEN RIVER								
Beaver Crk-Skunk Crk.	11H14	7150	1/29	36	10.8	3.5	4.2	8.5*
Ben Lomond(lower)	11H9	5850	1/30	48	15.9	4.7	8.9	9.0*
Dry Bread Pond	11H13	8230	1/29	42	12.9	3.8	6.1	12.3*
Monte Cristo R.S.	11H12	8960	1/29	56	19.3	7.6	NS	17.0*
Mt. Ogden	11H10	8600	1/27	62	21.8	9.8	13.2	17.4*
Sagebrush Flat	11H15	6300	1/29	18	5.3	0.8	2.3	4.2*
Snow Basin	11H11	6420	1/27	41	12.1	6.0	6.9	8.8*

x - Adjacent Drainage a - Aerial marker, water content estimated

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content 1961	1960	(In 1943- Av.
WEBER RIVER								
Beaver Creek R. S.	11J24	7500	1/29	34	8.8	1.9	1.9	6.2
Chalk Creek #2	11J2	8000	1/25	38	9.4	5.3	4.3	9.5
Chalk Creek #3	11J3	7500	1/25	26	6.3	2.9	2.1	5.1
Lamb's Canyon x	11J14	6600	1/25	37	9.0	4.5	4.4	10.0
Parley's Canyon Smt.	11J15	7500	1/27	44	12.1	5.7	5.1	11.5
Silver Lake x	11J16	8725	1/28	62	18.3	7.6	7.9	16.8
Smith & Morehouse	11J4	7600	1/26	37	10.0	3.1	3.1	8.6
Trial Lake x	10J8	9800	1/29	64	19.4	8.5	9.4	17.1
PROVO RIVER & UTAH LAKE								
Camp Altamont	11J20	7300	1/30	42	14.1	3.0	9.1	12.9
Clear Creek Ridge #2	11K22	8000	1/26	40	9.3	3.8	3.9	8.5
Clear Creek Ridge #3	11K23	6600	1/26	24	6.5	2.1	2.4	5.2
Daniels-Strawberry Smt.	11J23	8000	1/30	43	12.6	3.2	5.4	10.5
East Portal	11J7	7560	1/30	33	8.2	3.3	1.8	8.7
Payson R. S.	11K1	8050	1/29	43	12.8	4.1	6.8	11.0
Rock Bridge	11K2	6750	1/29	34	9.3	3.7	5.1	7.7
Soapstone R.S.	11J25	7800	1/29	39	9.8	3.1	2.8	8.8
South Fork R. S.	11J19	6100	1/29	17	6.7	1.6	6.4	5.9
Strawberry Divide	11J8	8000	1/30	46	13.3	4.3	4.2	14.5
Timpanogos Cave Camp	11J18	5500	1/29	6	1.0	0.0	2.1	3.0
Timpanogos Divide	11J21	8140	1/30	59	18.6	5.4	10.3	19.4
Trial Lake	10J8	9800	1/29	64	19.4	8.5	9.4	17.
JORDAN RIVER & GREAT SALT LAKE								
Farmington Canyon(lower)	11J12	6950	1/31	55	17.6	8.6	7.8	14.
Farmington Canyon(upper)	11J11	8000	1/31	59	20.7	9.6	7.4	16.
Lamb's Canyon	11J14	6600	1/25	37	9.0	4.5	4.4	10.
Middle Canyon	12J3	7000	1/26	33	8.7	6.0	5.0	8.
Mill D South Fork	11J10	7400	1/28	46	14.7	5.4	5.5	12.
Parley's Canyon Smt. x	11J15	7500	1/27	44	12.1	5.7	5.1	11.
Silver Lake	11J16	8725	1/28	62	18.3	7.6	7.9	16.
UPPER SEVIER RIVER (South of Richfield, Utah)								
Big Flat x	12L7	10000	1/26	34	8.5	7.6	6.2	11.
Bryce Canyon	12M8	8000	1/30	14	3.5	0.9	4.2	3.
Duck Creek R.S.	12M4	8560	1/29	39	10.3	3.2	7.9	9.
Harris Flat R.S.	12M5	7700	1/29	26	7.5	1.9	7.1	6.
Long Valley Junction x	12M6	7500	1/29	16	4.9	0.0	4.7	4.
Midway Valley	12M2	9800	1/30	40	11.6	11.4	11.0	14.
Widtsoe-Escalante Smt.	11M1	9500	1/26	16	3.8	3.6	4.2	5.
Widtsoe-Escalante #2	11M2	9500	1/26	24	5.5	6.8	6.0	6.
Widtsoe-Escalante #3	11M3	9500	1/26	23	5.4	10.1	7.2	-

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
LOWER SEVIER RIVER (Including San Pitch River)								
Farnsworth Lake	11L1	9900	1/29	38	10.7	6.4	7.0	11.3*
G.B.R.C. Headquarters	11K11	8700	1/30	45	13.3	5.4	5.3	9.1*
G.B.R.C. Meadows	11K10	10000	1/30	59	19.1	7.0	7.6	15.6*
Gooseberry R.S.	11L2	8400	1/29	28	7.4	4.1	4.8	7.0*
Gooseberry Reservoir x	11K4	8700	1/26	52	15.0	5.5	5.5	11.5*
Mammoth R.S.-Cotnwood Crk	11K3	8800	1/26	57	16.6	5.4	5.6	12.1*
Middle Fork	11K34	9600	No Report			7.0	NR	-
Thistle Flat	11K35	8500	No Report			4.6	NR	9.0*
BEAVER RIVER								
Big Flat	12L7	10000	1/26	34	8.5	7.6	6.2	11.7*
Merchant's Valley	12L9	8200	1/26	22	5.0	3.3	3.3	6.5*
Otter Lake	12L8	9300	1/26	27	6.7	4.7	3.7	9.9*
COAL CREEK								
Midway Valley x	12M2	9800	1/30	40	11.6	11.4	11.0	14.5*
Urie Flat	12M10	8450	1/30	22	7.1	1.8	5.4	5.0*
Webster Flat	12M3	9200	1/30	38	10.4	4.6	11.1	11.2*
COLORADO RIVER DRAINAGE								
DUCHESNE RIVER								
Ashley Twin Lakes a	9J11	10500	No Report			New Station		
Atwood Basin a	10J27	10250	No Report			New Station		
Chepeta-Whiterocks Lakes a	9J9	10300	No Report			New Station		
Daniels-Strawberry Smt.x	11J23	8000	1/30	43	12.6	3.2	5.4	10.5
East Portal x	11J7	7560	1/30	33	8.2	3.3	1.8	8.7
Five Point Lake a	10J26	11000	2/5	51	12.8a	New Station		
Indian Canyon	10K1	9100	1/29	39	9.3	2.7	4.6	8.6*
Julius Park	9J6	9800	1/29	44	11.4	6.1	4.8	-
Lakefork Basin a	10J25	11100	No Report			New Station		
Lakefork Mountain	10J10	10500	1/31	38	8.0	2.7	4.6	8.1*
Lakefork Mountain #2	10J11	8900	1/30	34	6.6	1.2	4.1	6.0*
Lakefork Mountain #3	10J12	8100	1/26	36	7.8	1.0	3.7	4.8*
Mosby Mountain	9J5	9500	1/29	39	8.6	3.9	4.1	7.7*
Paradise Park	9J3	10100	1/29	45	11.1	7.0	4.8	8.7*
Soapstone R.S. x	11J25	7800	1/29	39	9.8	3.1	2.8	8.8*
Strawberry Divide x	11J8	8000	1/30	46	13.3	4.3	4.2	14.5
Trial Lake x	10J8	9800	1/29	64	19.4	8.5	9.4	17.1*
Windy Park a	9J12	9400	No Report			New Station		

x - Adjacent Drainage * - 1943-57 Adjusted Average

a - Aerial marker, water content estimated.

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
PRICE RIVER								
Dry Valley Divide	11K8	7800	1/29	32	9.3	2.0	3.2	8.0*
Gooseberry Reservoir	11K4	8700	1/26	52	15.0	5.5	5.5	11.5*
Indian Canyon x	10K1	9100	1/29	39	9.3	2.7	4.6	8.6*
Mammoth R.S.-Ctnwood Crk. x	11K3	8800	1/26	57	16.6	5.4	5.6	12.1*
Mud Creek #2	11K33	8300	1/29	41	10.0	2.9	3.6	8.3*
Jones Ranch b	11K7	7600	1/29	23	5.9	1.7	1.6	5.5*
SAN RAFAEL RIVER								
Buck Flat	11K31	9400	1/26	46	12.8	4.5	4.6	10.0*
Gooseberry Reservoir x	11K4	8700	1/26	52	15.0	5.5	5.5	11.5*
Mammoth R.S.-Ctnwd.Crk x	11K3	8800	1/26	57	16.6	5.4	5.6	12.1*
Red Pine Ridge	11K28	9400	1/29	48	13.2	4.2	3.9	10.9*
Rush Pond	11K38	9800	1/26	47	11.8	4.2	4.4	9.2*
Upper Joe's Valley	11K29	8800	1/29	32	7.9	2.1	2.7	6.0*
Wrigley Creek	11K32	9000	1/26	39	8.9	3.6	5.0	6.8*
FREMONT RIVER								
Farnsworth Lake x	11L1	9900	1/29	38	10.7	6.4	7.0	11.3*
ESCALANTE RIVER								
Widtsoe-Escalante Smt.	11M1	9500	1/26	16	3.8	3.6	4.2	5.5
Widtsoe-Escalante #2	11M2	9500	1/26	24	5.5	6.8	6.0	6.6*
Widtsoe-Escalante #3	11M3	9500	1/26	23	5.4	10.1	7.2	--
VIRGIN RIVER								
Duck Creek R.S.	12M4	8560	1/29	39	10.3	3.2	7.9	9.5*
Harris Flat R.S.	12M5	7700	1/29	26	7.5	1.9	7.1	6.0*
Long Valley Junction	12M6	7500	1/29	16	4.9	0.0	4.7	4.2*
Midway Valley x	12M2	9800	1/30	40	11.6	11.4	11.0	14.5*
Webster Flat	12M3	9200	1/30	38	10.4	4.6	11.1	11.2*
GREEN RIVER (Above Green River, Wyoming)								
Big Sandy Opening	9G8	9220	1/27	44	11.4	5.7	--	--
Blind Bull Summit a	10G2	8750	1/29	63	21.0a	11.5a	8.5a	--
Dutch Joe R.S.	9G5	8700	1/27	38	10.0	4.6	2.5	5.9*
East Rim Divide	10F17	7950	1/30	39	10.5	2.8	3.5	7.7*
Grennier Meadows	8G4	9000	1/20	51	11.1	4.5	6.9	10.2*
Gros Ventre Summit a	10F19	8750	1/29	43	12.0a	4.0a	5.0a	8.2*
Kendall R.S. #1	10F15	7900	1/29	35	9.5	3.3	3.0	6.4*

x - Adjacent Drainage
a - Aerial marker, water content estimated
* - 1943-57 Adjusted Average
b - Formerly called Staley Ranch

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content 1961	1960	(In) 1943-5 Av.
GREEN RIVER - Continued								
Loomis Park #1	10F16	8500	1/30	52	16.2	5.8	5.9	11.4
Mulligan Park	9G1	8900	1/25	42	11.2	4.0	2.8	7.8
Piney-LaBarge #1	10G10	8820	2/1	57	18.9	7.7	6.3	13.0
Poison Meadows x a	10G6	8500	1/29	83	30.0a	14.5a	11.5a	--
Snyder Basin R.S. #2	10G13	8040	2/1	52	16.7	6.4	5.0	10.3
Soda Lake	10G14	8300	1/31	49	15.7	8.2	5.5	14.0
South Pass	8G3	9000	1/20	49	10.6	4.2	5.3	10.2
Triple Peaks	10G15	8500	1/31	65	22.1	11.4	8.1	19.0
GREEN RIVER (Green River, Wyo. to Flaming Gorge, Ut.)								
Big Park a	10G11	8700	1/29	59	18.5a	5.0a	7.5a	--
Buck Pasture a	10J23	9700	No Report			New Station		
Henry's Fork a	10J24	10200	No Report			New Station		
Steel Creek Park a	10J20	9900	No Report			New Station		
YAMPA RIVER								
Clark a	6J13	7800	No Survey			4.7	4.9	--
Columbine Lodge x	6J3	9300	1/29	58	18.4	10.2	9.8	15.3
Dry Lake a	6J1	8200	1/31	49	16.7a	6.8	8.2	13.2
Elk River a	6J4	8700	1/31	47	15.1a	6.7	7.6	10.8
Lynx Pass x	6J6	9100	1/31	44	12.4	4.3	4.6	7.7
Old Battle	6H10	9800	1/26	72	22.4	14.3	14.4	20.0
Rabbit Ears	6J9	9550	1/29	61	19.1	10.5	N.S.	17.9
Yampa View	6J10	8500	1/29	40	12.3	6.0	6.1	8.9
WHITE RIVER								
Burro Mountain a	7K2	9000	1/25	54	16.2	5.4	9.2	10.3
Rio Blanco	7J1	8500	1/30	40	11.6	5.2	5.0	9.9
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.)								
Arrow	5K6	9900	1/29	40	9.6	3.9	5.3	6.5
Berthoud Pass	5K3	9700	1/29	44	12.9	6.1	9.0	8.8
Berthoud Summit	5K14	11300	2/1	48	13.5	7.0	13.6	12.0
Blue River	6K21	10500	No Report			2.7	3.3	--
Cameron Pass x a	5J1	10300	2/1	63	21.2a	7.8	9.0	13.6
Fremont Pass	6K8	11400	1/31	54	15.0	6.7	9.8	10.3
Frisco	6K13	9300	1/30	29	7.1	1.8	2.5	5.7
Glen-Mar Ranch	6K20	8850	1/26	33	7.5	3.7	3.0	5.8

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DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-5 Av.
UPPER COLORADO RIVER - Continued								
Gore Pass	6J11	8900	1/31	38	10.9	3.7	3.5	8.5
Granby	5J16	8700	1/31	26	5.7	2.3	3.0	4.6
Grand Lake	5J19	8600	1/30	33	6.2	1.5	3.0	5.6
Grizzly Peak	5K9	11250	1/29	54	15.0	6.1	11.5	11.3
Hoosier Pass x	6K1	11400	1/30	41	10.8	6.0	8.1	7.2
Jones Pass	5K21	10400	1/26	47	12.2	5.4	8.2	--
Lynx Pass	6J6	9100	1/31	44	12.4	4.3	4.6	7.7
Monarch Lake	5J14	8500	No Survey			N.S.	5.0	7.6
Pando	6K19	9500	1/30	33	8.8	3.2	2.4	6.2
Phantom Valley	5J4	9300	1/29	35	8.9	3.9	3.9	6.6
Ranch Creek	5K18	9400	1/29	32	6.0	1.9	4.2	--
Shrine Pass	6K9	10500	1/30	59	16.0	5.2	9.6	10.8
Snake River	5K16	9700	1/29	30	7.0	2.3	2.4	6.1
Tennessee Pass x	6K2	10200	1/28	36	8.5	3.0	5.6	6.9
Vail Pass	6K15	10000	1/30	55	16.0	4.8	7.0	11.1
Vasquez	5K19	9600	1/29	42	11.0	4.5	7.4	--
Willow Creek Pass	6J5	9500	1/31	41	11.0	4.1	6.3	7.8
ROARING FORK								
Aspen	7K22	9700	1/27	55	13.7	4.8	8.3	--
Ind. Pass Tunnel	6K4	10200	1/26	65	17.1	4.3	9.1	10.
Ivanhoe	6K10	10400	1/28	52	17.5	5.6	5.4	10.
Lift	7K10	11250	1/27	68	15.6	8.1	7.6	--
North Lost Trail a	7K1	9200	1/25	63	15.9a	4.9	5.8	9.
PLATEAU CREEK								
Mesa Lakes	7K4	10000	1/28	40	11.7	4.5	9.1	10.
Trickle Divide a	7K5	10000	1/25	71	22.0	4.6	13.9	17.
GUNNISON RIVER								
Alexander Lake a	7K3	10000	1/25	68	19.2a	3.5	9.8	13.
Cochetopa Pass x	6L6	10000	1/25	23	4.0	4.8	2.9	3.
Crested Butte	6L1	9000	1/29	44	9.3	5.6	2.1	9.
Ironton Park	7M6	9800	1/29	34	9.5	5.0	5.4	7.
McClure Pass a	7K8	9500	1/31	44	12.4a	5.3	11.5	11.
Park Cone	6L2	9700	1/26	50	8.9	3.5	4.3	7.
Park Reservoir a	7K6	9500	1/25	67	20.8a	6.5	12.7	15.
Porphyry Creek	6L3	10700	1/29	57	15.6	9.0	11.7	10.
Red Mountain Pass	7M15	11000	1/30	76	24.5	12.2	18.9	14.
Tomichi	6L7	10500	No Report			4.9	4.3	--
Trickle Divide x a	7K5	10000	1/25	71	22.0	4.6	13.9	17.

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DOLORES RIVER								
Keystone	7L4	9950	1/30	64	21.3	5.0	--	--
Lizard Head	7M3	10300	1/30	41	11.8	5.4	10.3	9.9
Long Gulch	7L3	9000	No Report			3.0	--	--
Rico	7M1	8700	1/30	22	6.4	4.5	5.6	6.2
Telluride x	7M2	8600	1/26	21	4.5	3.9	3.6	5.1
Trout Lake	7M9	9700	1/26	38	9.0	4.6	6.8	10.0*
SAN JUAN RIVER								
Cascade x	7M5	8850	1/30	33	8.5	4.2	8.9	9.1
Chama Divide x	6N2	7750	1/29	14	3.3	2.8	6.3	3.9
Chamita	6N3	8500	1/29	33	7.5	4.8	6.4	7.3
Howardville	7M13	9800	No Report			4.4	N.S.	8.5*
Ironton Park x	7M6	9800	1/29	34	9.5	5.0	5.4	7.4
Mineral Creek	7M14	10300	1/30	45	12.8	4.6	N.S.	7.4*
Molas Lake	7M12	10500	1/30	40	11.5	3.1	8.2	10.3*
Red Mountain Pass x	7M15	11000	1/30	76	24.5	12.2	18.9	14.9*
Silverton Sub-Station	7M4	9400	1/30	26	7.4	2.7	N.S.	4.3
Spud Mountain	7M11	10700	1/30	55	17.7	7.7	17.6	16.8*
Upper San Juan	6M3	10000	1/29	72	21.7	8.6	22.9	21.8
Wolf Creek Pass x	6M1	10000	1/29	70	21.0	7.6	21.4	19.5
Wolf Creek Summit x	6M17	11000	1/29	71	22.0	8.1	27.3	17.6*
LITTLE COLORADO RIVER								
Baldy	9S1	9125	1/29	49	13.7	4.2	9.1	6.5*
Canyon Creek #2	10R7	7500	1/30	26	6.7	1.6	6.7	--
Forest Dale	10R6	6430	1/31	23	5.5	0.5	2.5	1.5
Fort Apache	9R5	9160	1/29	49	13.3	4.2	9.0	6.9*
Fort Valley	11P2	7350	1/31	16	3.9	1.1	3.8	3.0*
Gentry	10R5	7600	1/30	25	6.4	1.3	6.8	3.5*
Happy Jack x	11R5	7630	2/1	22	5.0	2.1	4.7	4.5*
Heber	10R4	7600	1/30	27	7.3	1.7	6.4	3.6*
McNary	9R2	7200	1/31	29	5.4	1.2	6.3	2.7
Mormon Lake	11R4	7350	1/31	29	7.6	2.5	4.7	5.3*
Mormon Mountain	11R3	7500	1/31	30	9.0	2.7	6.8	7.2*
Nutrioso	9S4	8500	1/30	19	4.8	1.8	3.9	2.0
LOWER COLORADO								
Chalender x	12P1	7100	1/31	21	5.4	1.9	3.7	3.5*
Fort Valley	11P2	7350	1/31	16	3.9	1.1	3.8	3.0*
Grand Canyon	11P1	7500	1/31	15	5.2	1.7	3.5	2.7*

x - Adjacent Drainage * - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT FEBRUARY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-5 Av.
WILLIAMS RIVER								
Camp Wood x	12R1	5700	No Report			0.0	0.0	1.4*
Iron Springs	12R2	6200	1/29	10	2.4	0.0	2.5	1.7*
Willow Ranch	13P1	5000	1/31	T	T	0.0	0.7	0.9*
GILA RIVER								
Bear Wallow	10T1	8100	1/30	42	14.5	1.8	10.7	3.2*
Beaver Head	9S6	8000	1/30	32	8.3	3.3	6.0	2.9
Coronado Trail	9S7	8000	1/30	25	5.2	3.6	3.9	2.6
Frisco Divide	8S1	8000	1/31	19	4.0	2.9	3.9	2.1
Ice King	8S6	8000	1/30	31	7.6	5.1	-	-
Inman	7S2	7800	1/30	4	1.4	0.0	1.9	0.6*
Mogollon	8S2	7000	1/31	15	5.4	2.3	3.1	1.0*
Nutrioso	9S4	8500	1/30	19	4.8	1.8	3.9	2.0
Redstone Trail	8S7	8600	1/30	39	12.0	9.6	-	-
Rose Canyon	10T2	7300	1/30	31	11.2	0.5	6.0	1.7*
State Line	9S8	8000	1/31	24	4.8	2.0	5.2	2.5
Taylor Creek	7S1	7850	1/30	3	0.8	0.0	1.4	0.6
SALT RIVER								
Baldy x	9S1	9125	1/29	49	13.7	4.2	9.1	6.5*
Beaver Head	9S6	8000	1/30	32	8.2	3.3	6.0	2.9
Canyon Creek #2	10R7	7500	1/30	26	6.7	1.6	6.7	-
Coronado Trail	9S7	8000	1/30	25	5.2	3.6	3.9	2.6
Forest Dale	10R6	6430	1/31	23	5.5	0.5	2.5	1.5
Fort Apache x	9R5	9160	1/29	49	13.3	4.2	9.0	6.9*
Gentry	10R5	7600	1/30	25	6.4	1.3	6.8	3.5*
Heber	10R4	7600	1/30	27	7.3	1.7	6.4	3.6*
Maverick Fork	9S2	9050	1/29	56	15.8	4.7	10.9	7.6*
McNary	9R2	7200	1/31	29	5.4	1.2	6.3	2.7
Milk Ranch	9R1	7000	1/31	24	6.0	1.0	4.4	2.0
Nutrioso x	9S4	8500	1/30	19	4.8	1.8	3.9	2.0
Pacheta	9S5	7800	2/1	32	9.0	1.0	9.9	3.5*
Workman Creek	10S1	6900	1/31	T	T	2.1	9.3	4.4*
VERDE RIVER								
Camp Wood	12R1	5700	No Report			0.0	0.0	1.4*
Casner Park	11R2	6930	1/31	28	7.8	2.0	4.2	4.6*
Chalender	12P1	7100	1/31	21	5.4	1.9	3.7	3.5*
Fort Valley x	11P2	7350	1/31	16	3.9	1.1	3.8	3.0*
Gaddes Canyon	12R4	7600	1/31	29	7.8	2.2	7.4	-
Happy Jack	11R5	7630	2/1	22	5.0	2.1	4.7	4.5*
Iron Springs x	12R2	6200	1/29	10	2.4	0.0	2.5	1.7*
Mingus Mountain	12R3	7100	1/31	10	3.4	0.8	2.5	1.8*
Mormon Lake x	11R4	7350	1/31	29	7.6	2.5	4.7	5.3*
Mormon Mountain	11R3	7500	1/31	30	9.0	2.7	6.8	7.2*
Munds Park	11R1	6500	1/31	20	5.7	1.1	2.6	3.4*

x - Adjacent Drainage * - 1943-57 Adjusted Average

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Cooperative Snow Survey and Water Supply Forecast Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
COLORADO AND STATE OF UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA	MONTHLY (JAN.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATE OF MONTANA	MONTHLY (FEB.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
WEST-WIDE	OCT. 1, APR. 1, MAY 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (FEB.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

Copies of these various reports may be secured from:

Head, Water Supply Forecasting Section
Soil Conservation Service
P.O. Box 4170, Portland 8, Oregon

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, SACRAMENTO, CALIF.

USDA-SCS-PORTLAND, OREG. 1961

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

for

UTAH, BEAR and COLORADO RIVER BASINS

MARCH 1, 1962

Report Prepared

by

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Soil Conservation Service
222 South West Temple
Salt Lake City, Utah

Issued by

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State of Utah
Salt Lake City, Utah

Dr. D. W. Thorne, Dir.
Utah Agricultural Exp. Sta.
Logan, Utah

Mimeograph Series #468

PROSPECTIVE WATER SUPPLIES

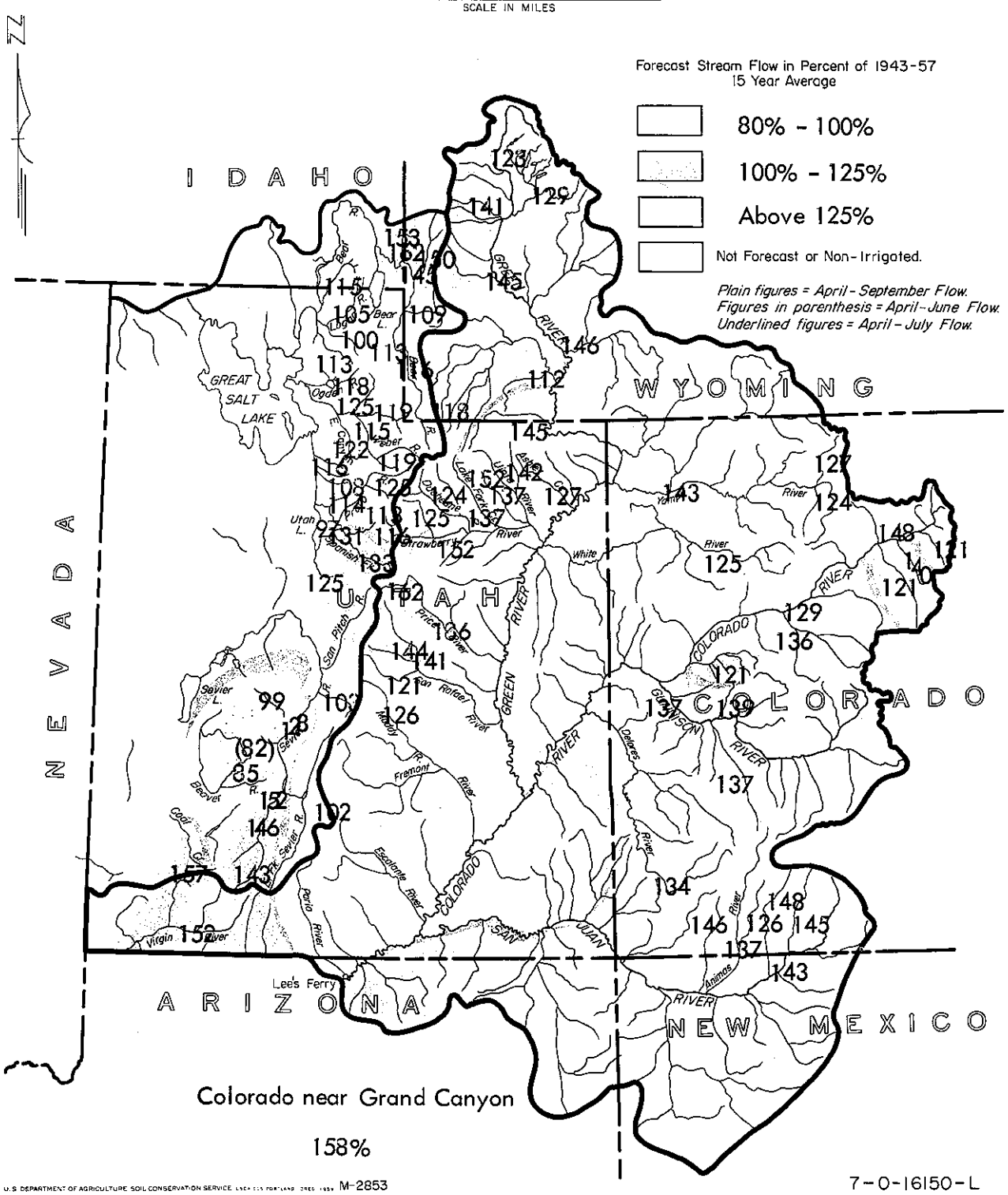
Based on Snow Surveys Made on UTAH, BEAR and UPPER COLORADO BASINS

MARCH 1, 1962

Approximate Date

50 0 50 100

SCALE IN MILES



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE LOCATION PORTLAND OREG. 1959 M-2853

7-0-16150-L

WATER SUPPLY OUTLOOK
as of
March 1, 1962

Last month's dark spots on the water picture can now look for adequate supplies this summer. These places were the areas below Utah Lake, Sevier river below Gunnison, the Beaver, East Fork Sevier and Escalante rivers. Streams which are expected to yield flows among the highest 10 percent of the years of record are the Price, San Pitch, San Rafael, South Fork Sevier and Virgin rivers, most streams of the Uintah Basin and Smith's Fork of the Bear river in Wyoming.
Most of these are forecast to flow between 135% and 150%. Reservoir storage has improved during February, but is still below average. Excluding Bear Lake, total storage in 14 other major reservoirs is only 49% of average. Bear Lake has 64%.
Forecasts for the Green river and its tributaries in Wyoming range from 12% to 46% above average. In Colorado, forecasts for streams tributary to the Green, Colorado and San Juan rivers range from about 20% to 50% above average.

The storms of February improved the outlook for next summer's water supply for all sections of Utah. In fact, it improved so much on some watersheds that now problems may develop from high water damage during the spring snowmelt period.

For the Price, San Pitch and San Rafael rivers and for the streams of the Uintah Basin where above normal flows were already expected a month ago, the outlook now is for these streams to yield between 125% and 186% of average. Most of them are forecast to flow between 135% and 150%.

Highest forecasts in the state are on the Price river. Inflow to Scofield reservoir during the April-September period is expected to be 65,000 acre feet, or 162%. Downstream at Heiner the forecast is for 130,000 acre feet, or 186%.

Smith's Fork of the Bear river has a snow cover at the higher elevations which, coupled with the very wet soils underneath the snow, indicates that this year will produce a record flow at the stream gaging station near Border, Wyoming.

On the upper Sevier and Virgin rivers the snowpack has essentially doubled itself since last month. The snow courses here - as well as in Carbon, Emery and Sanpete counties and in the Uintah Basin - all have <u>more</u> snow water than they normally do on the first of April. Many of the courses in the Uintah Basin now have more water than they have had at any time of year since 1952.

As a result of the heavy snowpack increases on the streams coming from the Cedar Breaks area, the South Fork of the Sevier, the Virgin River and Coal Creek at Cedar City now have prospects of about 150% of average flow. Average streamflow is expected from the Escalante river and the East Fork of the Sevier, where soils are not as wet as on the South Fork Sevier, nor the snowpack as heavy.

An average or better water supply is expected from streams near Fillmore, on Salina Creek, the Fremont river and in southeastern Utah near Moab and Monticello.

The Sevier river near Gunnison is expected to have about 15% less than the average April-September flow coming from sources above its junction with the San Pitch river. However, since Gunnison reservoir is already full and since the tributary streams of the San Pitch are expected to yield so much(135% to 160%), a heavy contribution to the overall water supply will come from this source. Gunnison reservoir is being drawn down now to provide a cushioning effect on the spring runoff.

Most years no water is contributed from the San Pitch river for the use of water users below Sevier Bridge. In addition to this extra water this year, heavy runoff(about 140 - 150%) should come from streams of the San Pitch mountains east of Levan, such as Chicken Creek. This will further add to water for the lower Sevier water users.

The water supply for Utah Lake, which has been a source of concern to many people, also has improved. Forecast inflow here is now set at 307,000 acre feet for the April-September period. This is just 3% less than usual. Last year's inflow was only 98,500 acre feet. The difference between the expected inflow this year and last year's inflow more than offsets the fact that the Lake now has 38,300 acre feet less water in storage than on March 1, 1961. If near average or better weather conditions will continue for the balance of the season, the water supply should be adequate for this year.

The water picture is also good for the streams of Utah Valley, the Weber, Provo, Bear and Ogden rivers and the streams near Farmington, where forecasts range from 113% to 133%. Streams near Salt Lake and Tooele should yield from about 8% to 20% more than usual.

Forecasts for Cache Valley range from average on Blacksmith Fork river to 15% above on the Cub river near Preston, Idaho.

Raingages located on the snow courses in northern Utah show that as much as 2.00 to 5.00 inches of rain which fell on the snowpack went on thru the snow and into the ground. At the low elevations where the snows were not deep enough to prevent freezing of the ground before the rain and melting temperatures came, this water ran off and caused the flooding of the past month. Higher on the watersheds where the ground was not frozen, this water has wet the soils up and will contribute to heavier streamflow than the snowpack figures taken alone would indicate.

This phenomena was observed on the watersheds near Salt Lake, at the head of Daniels Canyon south of Heber City, on the upper Weber and Provo rivers and northward thru Utah, Idaho and Wyoming to the northern boundaries of the Bear river.

Excellent water supplies throughout the entire Colorado river basin in Wyoming, Colorado, Utah, New Mexico and Arizona are expected this summer. The snowpack and soil moisture are considerably above average in all areas. As a result, the forecast inflow for the Colorado river near Grand Canyon for the April-July period is greater than has been measured at any time since the record began in 1923, except for 1952. Forecast inflow of 12 million acre feet is a little more than the 12,887,000 measured in 1957, but less than the 14,064,000 of 1952.

STREAMFLOW FORECASTS - MARCH 1, 1962

The following summarized 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.

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
GREAT BASIN						
BEAR RIVER SYSTEM						
Bear nr Ut-Wyo. State Line	145	118	Apr-Sept	67	88	123
Bear nr Woodruff	155	116	Apr-Sept	27.4	61	133
Woodruff Crk nr Woodruff, Ut.	22	113	Apr-Sept		9.2	19.4*
Big Crk nr Randolph, Ut.	11.0	113	Apr-Sept		2.5	9.7*
Bear nr Randolph	125	109	Apr-Sept	4.6	23.8	115 *
Smith's Fork nr Border, Wyo.	178	150	Apr-Sept	49	83	119
Thomas Fork nr Wyo-Ida.State Line	55	162	Apr-Sept	6.0	18.2	34 *
Bear at Harer, Idaho	435	145	Apr-Sept	44	119	299
Montpelier Crk nr Montpelier,Ida.	20	153	Apr-Sept	2.9	6.9	13.1
Cub River nr Preston,Ida.	60	115	Apr-Sept		37	52 *
Little Bear nr Paradise	52	113	Apr-Sept	10.7	23.3	46
Logan nr Logan (1)	150	105	Apr-Sept	60	99	143
Blacksmith Fork nr Hyrum (2)	67	100	Apr-Sept	21.3	40	67
WEBER-OGDEN RIVERS						
Weber nr Oakley	135	126	Apr-June	39	76	107
	160	119	Apr-Sept	51	90	134
Wanship Reservoir Inflow(3)	150	115	Apr-July		73	130 *
Weber nr Coalville(4)	165	115	Apr-Sept	32	70	143
Chalk Crk at Coalville	50	119	Apr-Sept	6.4	15.7	42
Lost Crk nr Croydon,Ut.	25	125	Apr-Sept		7.9	19.9
East Canyon Crk nr Morgan(5)	35	122	Apr-Sept	3.2	11.0	28.7
So. Fork Ogden nr Huntsville	83	118	Apr-Sept	16.2	38	70
Pineview Reservoir Inflow(6)	165	118	March-July		75	140

(1) Includes U.P.&L. Co. tailrace and Logan, Hyde Park & Smithfield Canal.
(2) Above Utah Power & Light Company's dam.
(3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship reservoir, plus diversion by Weber-Provo Canal.
(4) Includes diversion by Weber-Provo canal and change in storage in Wanship Reservoir.
(5) Observed flow plus change in storage in East Canyon Reservoir.
(6) Inflow record as computed by U. S. Bureau of Reclamation.
(*) Partly estimated.

STREAMFLOW FORECASTS - MARCH 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
PROVO RIVER & UTAH LAKE						
Strawberry Reservoir Inflow(7)	65	116	Apr-Sept	1.8	19.6	56
Spanish Fork at Thistle	57	133	Apr-Sept	8.9	22.0	43
Payson Creek nr Payson	10	125	Apr-Sept		5.2	8.0*
Hobble Crk nr Springville	31	131	Apr-Sept	3.1	7.2	23.7*
Provo nr Hailstone(8)	145	125	Apr-Sept	32	71	116 *
Provo at Vivian Park(9)	180	113	Apr-Sept	39	76	159
American Fork nr American Fork	41	114	Apr-Sept	9.0	23.8	36
Utah Lake Inflow	307	97	Apr-Sept	99	112	317
JORDAN RIVER & SALT LAKE						
Little Cottonwood Crk nr SLC	42	108	Apr-Sept	21.5	32	39
Big Cottonwood nr SLC	43	108	Apr-Sept	17.7	33	40
Parley's Crk nr SLC	17	116	Apr-Sept	21.4	6.6	14.7
SEVIER RIVER						
Sevier at Hatch	52	149	Apr-June	15.5	14.7	35
	70	143	Apr-Sept	26.3	21.7	49
Sevier nr Circleville	63	146	Apr-Sept	23.0	14.9	43 *
Sevier nr Kingston	40	163	Apr-June	3.0	2.4	24.6
	45	152	Apr-Sept	10.1	3.6	29.7
East Fork Sevier nr Kingston(10)	17.5	102	Apr-June	9.3	3.4	17.2
	22	102	Apr-Sept	17.0	7.2	21.6
Sevier below Piute Dam(11)	67	131	Apr-Sept	27.7	7.6	51
Clear Crk nr Sevier(abv.div.)	13	82	Apr-June	7.3	8.8	15.9*
Inflow						
Kingston to Vermillion Dam	60	128	Apr-June		16.6	47
Vermillion Dam to Gunnison	65	103	March-June		32	63
Salina Crk at Salina(12)	14	149	Apr-June	0.5		9.4*
Sevier River nr Gunnison	55 a	86	Apr-Sept	22.6	27.6	64
BEAVER RIVER						
Beaver nr Beaver	20	90	Apr-June	9.9	11.3	22.3
	25	85	Apr-Sept	13.4	14.2	29.4
Rockyford Reservoir Inflow(13)	6	65	Apr-June	1.0	0.1	9.2

(7) Change in storage plus diversion thru Strawberry tunnel.
(8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
(9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.
(10) Observed flow plus change in storage in Otter Creek Reservoir.
(11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
(12) Gage is below diversions near Salina.
(13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir.
(*) Partly estimated
a - Does not include flow coming from San Pitch river.

STREAMFLOW FORECASTS - MARCH 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
PAVANT VALLEY						
Chalk Crk nr Fillmore	20	99	Apr-Sept	8.0	12.4	20.3*
COAL CREEK						
Coal Crk nr Cedar City	26	157	Apr-Sept		8.1	16.6
COLORADO RIVER BASIN						
GREEN RIVER TRIBUTARIES IN UTAH						
FLAMING GORGE TO DUCHESNE RIVER						
Henry's Fork at Linwood	58	145	Apr-Sept	16.4	22.7	40
Ashley Creek nr Vernal	75	127	Apr-Sept		36	59
DUCHESNE RIVER						
Duchesne at Provo River (Trail nr Hanna)	52	124	Apr-Sept			42 *
Duchesne nr Tabiona(14)	155	125	Apr-Sept	48	74	124
Rock Crk nr Mtn. Home	135	124	Apr-Sept	52	76	109
Strawberry at Duchesne	120	152	Apr-Sept		19.9	79
Lakefork below Moon Lake(15)	107	137	Apr-Sept	40	55	78
Uinta nr Neola	140	139	Apr-Sept	69	71	101
Whiterocks nr Whiterocks	95	142	Apr-Sept	53	44	67
Yellowstone nr Altonah	120	152	Apr-Sept	45	52	79 *
PRICE RIVER						
Gooseberry Crk nr Scofield	19	151	Apr-Sept	- -	8.0	12.6
Price nr Scofield(16)	65	162	Apr-Sept	- -	22.9	40
Price nr Heiner(16)	130	186	Apr-Sept	- -	29.2	70
SAN RAFAEL RIVER						
Huntington Crk nr Huntington	85	144	Apr-Sept	- -	34	59
Cottonwood Crk nr Orangeville	83	141	Apr-Sept	- -	38	59
Ferron Crk nr Ferron	52	121	Apr-Sept	- -	30	43 *

(14) Observed flow plus diversion through Duchesne Tunnel.
(15) Observed flow plus change in storage in Moon Lake reservoir.
(16) Observed flow plus change in storage in Scofield reservoir.
(*) Partly estimated.

STREAMFLOW FORECASTS - MARCH 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
MUDDY RIVER						
Muddy Creek nr Emery	29	126	Apr-Sept	- -	17.0	23.1*
Ivie Creek abv.div. nr Emery	2.2	122	Apr-Sept	- -	1.6	1.8*
VIRGIN RIVER						
Virgin at Virgin	67	152	Apr-June	- -	35	44
GREEN RIVER TRIBUTARIES IN WYOMING (Above Flaming Gorge Reservoir)						
Green at Warren Bridge, Wyo.	428	123	Apr-Sept	221	207	348
New Fork nr Boulder, Wyoming	337	129	Apr-Sept	91	110	260
No. Piney Crk nr Mason, Wyo.	58	141	Apr-Sept	20.4	24.3	41
Green nr Fontenelle, Wyo.	1430	145	Apr-Sept	399	438	995
Green nr Green River, Wyo.	1750	146	Apr-Sept	393	456	1200 *
Black's Fork nr Green River, Wyo.	235	112	Apr-Sept	16.4	100	210 *
GREEN RIVER TRIBUTARIES IN COLORADO						
Yampa at Steamboat Springs	350	124	Apr-Sept	190	272	283
Elk at Clark	274	127	Apr-Sept	137	181	215
Little Snake nr Lily	500	143	Apr-Sept	133	258	350
White nr Meeker	420	125	Apr-Sept	214	264	335
COLORADO RIVER (Above Jct. with Green River)						
Colorado nr Granby(17)	285	121	Apr-Sept			235
Willow Crk above Willow Crk Res.	65	148	Apr-Sept		53	44
Williams Fork nr Parshall	110	140	Apr-Sept	46	67	78
Blue above Green Mtn. Res.	325	121	Apr-Sept	183	241	290
Colorado at Glenwood Spgs.(18)	2000	129	Apr-Sept		1337	1546
Roaring Fork at Glenwood Spgs.(19)	1100	136	Apr-Sept		682	803
Plateau Crk nr Collbran	69	121	Apr-Sept	16.3	37	57
Surface Crk nr Cedaredge	25	139	Apr-Sept	18.7	22	18
Uncompahgre at Colona	198	137	Apr-Sept	132	136	145
Gunnison nr Grand Jct.	1900	137	Apr-Sept	719	994	1386
Dolores at Dolores	375	134	Apr-Sept	212	259	279

(17) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir.

(18) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir plus Moffat ditch.

(19) Observed flow plus diversion through Twin Lakes Tunnel.

(*) Partly estimated.

STREAMFLOW FORECASTS - MARCH 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
SAN JUAN RIVER						
Piedra nr Piedra	270	145	Apr-Sept	139	203	186
San Juan at Rosa	840	143	Apr-Sept	469	629	587
Los Pinos nr Bayfield(20)	325	148	Apr-Sept	189	203	220
Animas at Durango	650	137	Apr-Sept	393	455	475
Florida nr Durango	78	126	Apr-Sept		60	62
LaPlata at Hesperus	41	146	Apr-Sept	24.1	30	28
COLORADO RIVER - Main Stem)						
Colorado nr Grand Canyon	13000	161	Apr-July	3843	6120	8056
	14500	158	Apr-Sept	4975	6571	9155

(20) Observed flow plus change in storage in Vallecito reservoir.

(*) These values will have to be corrected for storage in those upstream reservoirs where storage commences for the first time this year. Principal among these is Navajo Reservoir on the San Juan River.

STATUS OF RESERVOIR STORAGE - MARCH 1, 1962

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000s AF	USABLE STORAGE - 1000 ACRE FEET 1962	1961	1960	15-Yr. Av. 1943-57
		GREAT BASIN				
Bear River	Bear Lake	1421.0	524.3	785.5	955.5	815.6
	Woodruff Narrows	26.5	12.8	- -	- -	- -
Little Bear	Hyrum	15.3	10.7	10.8	10.5	10.7
Ogden	Pine View	110.0	34.5	10.8	12.3	7.2
Weber	Rockport	59.1	18.5	15.9	14.1	- -
	Echo	73.9	24.8	25.8	27.0	28.5
	East Canyon	28.7	6.9	5.4	13.1	16.0
Provo	Deer Creek	149.7	61.5	55.4	64.9	82.3
Spanish Fork	Strawberry	270.0	20.1	56.5	107.6	134.3
Utah Lake	Utah Lake	1149.0*	257.8	296.1	481.2	614.2
Sevier River	Otter Creek	52.5	21.0	15.2	24.8	31.9
	Piute	74.0	29.6	22.5	27.6	46.4
	Sevier Bridge	236.0	56.5	37.1	52.4	150.4
Beaver River	Rocky Ford	23.3	8.2	6.8	7.2	15.3
		COLORADO RIVER BASIN				
Lake Fork	Moon Lake	35.8	24.2x	10.1	11.0	13.9
Price River	Scofield	65.8	2.5	2.3	6.6	16.3
Colorado	Granby	465.5	354.5	247.5	231.2	211.3**
Blue	Green Mtn.	146.9	82.9	65.0	71.4	68.0
Gunnison	Taylor Park	106.2	78.4	31.1	46.2	60.9
Dolores	Groundhog	21.7	5.5	4.0	3.2	7.0
San Juan	Vallecito	126.3	71.2	42.1	39.7	41.0
Little Colorado	Lyman	30.6	3.6	6.8	10.6	6.3
Colorado	Lake Mead	27207.0	18249.0	18755.0	19121.0	16929.0
Colorado	Lake Mohave	1810.0	1749.8	1702.0	1728.0	1467.0**
Colorado	Lake Havasu	619.4	531.9	536.2	551.7	559.2
Gila	San Carlos	1205.0	169.0	3.1	205.8	102.2
Salt	Roosevelt	1382.0	689.8	841.4	834.1	432.8
Salt	Apache	245.0	184.0	241.6	238.8	203.5
Salt	Canyon	58.0	53.3	47.3	57.8	42.4
Salt	Saquaro	70.0	66.7	65.8	69.0	38.5
Verde	Horseshoe	142.8	33.4	1.5	124.6	16.8**
Verde	Bartlett	179.5	100.0	39.7	121.7	54.4
Aqua Fria	Lake Pleasant	163.8	14.6	26.8	48.8	24.9

* - Active capacity taken at 3.1 feet above compromise point.
** - Less than 15 years of record in the 1943-57 period.
x - Estimated

COMPARATIVE SNOW DATA

Summary of Snow Survey Data by Tributary Watersheds as of March 1, 1962

TRIBUTARY BASINS	No. of Courses Averaged	1962 Snow Water Expressed as Percent of		
		1961	1960	& 1943-57 Av.
GREAT BASIN				
Smith's Fork - Bear River(Wyo)	3	190	161	114
Strawberry-Mink Creeks(Ida)	3	167	132	106
Cub River (Ida)	3	149	111	99
Logan River	4	178	137	130
Blacksmith Fork-Little Bear	5	194	137	110
Malad River(Idaho)	2	141	84	92
Ogden River	6	193	122	113
Weber River above Echo Dam	8	226	148	109
Chalk Creek - Coalville	3	176	138	95
East Canyon Creek	3	180	135	101
Farmington Creek	2	179	147	169
Salt Lake Area	4	182	146	103
Tooele Area	1	117	86	93
American Fork River	2	385	141	102
Provo River above Vivian Park	6	306	157	114
Strawberry Reservoir Valley	3	335	146	111
Hobble Creek	2	300	146	113
Mt. Nebo Area	2	205	110	114
Sevier River above Panguitch	5	390	166	133
East Fork Sevier River	4	197	121	101
Clear Creek above Sevier	1	175	88	80
Salina Creek	2	154	130	105
San Pitch River	6	285	167	137
Chicken Creek - Levan	1	225	134	146
Chalk Creek - Fillmore	3	104	72	92
Beaver River	3	185	135	98
Parowan Creek	2	139	130	97
Coal Creek - Cedar City	4	273	166	131
COLORADO RIVER BASIN IN UTAH				
Duchesne River above Tabiona	3	298	157	113
Strawberry River	4	414	187	133
Lakefork River	2	556	220	146
Whiterocks-Uintah Rivers	3	269	232	133
Ashley Creek	4	308	218	131
Price River	7	513	224	150
San Rafael Tributaries	4	310	153	133
Fremont River	4	204	117	91
Escalante River	2	157	134	120
Virgin River	4	476	168	137
LaSal Mtns. near Moab	2	321	126	93
Blue Mtns. nr Monticello	2	269	90	92

AVAILABLE SOIL MOISTURE

Fall, 1962

DRAINAGE BASIN & STATION	Station No.	Elev.	Soil Profile in Inches Depth	Soil Profile in Inches Cap.	Date	Soil Moisture Content in Inches - Fall, 1961 1962	1961	1960	Average **
COLORADO STATIONS									
ROARING FORK									
Placita	7K7*	8800	48	8.0	Fall	6.4	0.1	2.4	2.1
Maroon	6K25*	8400	48	8.0	Fall	7.0	0.1	4.8	2.6
UPPER COLORADO									
Vail	6K5*	9200	48	8.0	Fall	7.0	0.2	5.2	2.8
Ranch Creek	5K18M	9400	48	7.0	Fall	5.5	3.9	5.7	4.4
Berthoud Pass	5K20*	9800	48	8.0	Fall	6.7	5.4	1.0	4.0
Gore	5J15*	8900	48	7.0	Fall	4.8	0.2	2.1	1.6
Blue River	6K21M	10500	48	7.0	Fall	5.6	1.3	4.4	3.1
King	6L9*	10500	48	8.0	Fall	5.5	2.6	5.9	5.4
DOLORES									
Lizard Head	7M3M	10300	48	7.0	Fall	5.7	4.1	5.4	5.3
Dolores	8M1*	7500	48	7.0	Fall	0.1	0.7	2.5	1.7
Rico	7M1M	8700	48	7.0	Fall	9.0	4.8	5.0	5.0
SAN JUAN									
Mineral Creek	7M14M	10300	48	8.0	Fall	4.9	4.1	5.6	4.8
Molas Lake	7M12M	10500	48	8.0	Fall	3.8	0.9	3.2	3.4
Cascade	7M5M	8850	48	8.0	Fall	5.1	4.5	5.7	5.4

* - Indicates soil moisture station only

M - Indicates soil moisture station on snow course

** - Average for all past record

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GREAT BASIN DRAINAGE								
UPPER BEAR RIVER (Above Harer, Idaho)								
Big Park a	10G11	8700	2/27	69	23.5a	10.0a	14.0a	16.9a*
CCC Camp x	10G7	7500	2/23	45	11.7	6.5	9.3	10.4
Monte Cristo R.S.	11H12	8960	2/26	81	26.6	12.6	15.5	22.7*
Piney LaBarge #1 x	10G10	8820	2/27	68	23.1	10.6	11.1	18.0*
Poison Meadows x a	10G6	8500	2/27	100	34.0a	17.0a	17.0a	24.4a
Salt River Summit x	10G8	7900	2/23	57	14.9	8.7	10.1	13.3*
Trial Lake x	10J8	9800	2/27	85	26.6	11.5	16.8	23.4*
LOWER BEAR RIVER (Below Harer, Idaho)								
Beaver Crk-Skunk Crk.	11H14	7150	2/26	40	11.9	6.8	9.6	11.6*
Christensen Ranch	11G11	5600	3/3	29	9.0	6.1	9.0	9.4*
Cub River R.S.	11G12	5400	2/26	28	8.2	5.6	10.6	8.9*
Dry Basin a	11G13	7900		No Report		19.7	- -	- -
Dry Bread Pond x	11H13	8230	2/26	56	16.6	8.0	13.2	16.7*
Dry Creek Flat	12G4	6350	2/26	24	6.6	4.4	9.1	7.2*
Emigration Canyon	11G7	6500	3/2	32	10.7	5.2	- -	- -
Emmigrant Summit	11G6	7350	3/3	76	22.8	13.9	- -	- -
Franklin Basin R.S.	11G8	8200	2/23	79	24.8	16.0	17.2	23.6*
Garden City Summit	11H7	7600	2/23	62	18.5	9.9	11.0	17.4*
Horseshoe Basin a	11G14	8000	3/4	83	24.9	19.7	- -	- -
Klondike Narrows	11H1	7400	2/23	63	18.6	11.4	14.6	16.7*
Liberty Springs	11G15	8420		Not measured		23.2	- -	- -
Little Bear(lower)	11H26	6100	2/27	34	10.2	6.4	10.7	8.0*
Little Bear(upper)	11H25	6850	2/27	41	12.5	6.2	12.9	10.2*
Monte Cristo R.S.	11H12	8960	2/26	81	26.6	12.6	15.5	22.7*
Oxford Mountain	12G3	6800	2/26	28	8.2	6.2	8.7	9.0*
Steep Hollow #2	11H28	7700	2/28	75	26.8	16.3	- -	- -
Strawberry Creek	11G9	5800	3/2	40	12.0	6.6	9.9	11.4*
Strawberry Mink Divide	11G10	6800	3/2	63	21.2	13.6	14.7	19.8*
Tony Grove R.S.	11H3	6250	2/23	40	11.2	5.4	10.2	11.2*
Willow Flat	11G4	6100	2/26	47	14.6	9.9	13.0	14.6*
OGDEN RIVER								
Beaver Crk-Skunk Crk.	11H14	7150	2/26	40	11.9	6.8	9.6	11.6*
Ben Lomond(lower)	11H9	5850	2/27	44	14.8	7.0	17.8	12.3*
Dry Bread Pond	11H13	8230	2/26	56	16.6	8.0	13.2	16.7*
Monte Cristo R.S.	11H12	8960	2/26	81	26.6	12.6	15.5	22.7*
Mt. Ogden	11H10	8600	2/25	80	30.4	15.1	24.8	24.0*
Sagebrush Flat	11H15	6300	2/26	15	3.6	1.7	6.4	5.0*
Snow Basin	11H11	6420	2/24	45	13.4	8.3	13.2	12.2*

x - Adjacent Drainage * - 1943-57 Adjusted Average a - Aerial marker, water content estimated.

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
WEBER RIVER								
Beaver Creek R.S.	11J24	7500	2/27	34	10.0	3.8	6.6	8.4*
Chalk Creek #1	11J1	9100	2/23	86	20.7	10.0	14.0	20.8*
Chalk Creek #2	11J2	8000	2/23	52	12.3	7.2	8.6	13.2*
Chalk Creek #3	11J3	7500	2/23	27	6.3	4.2	5.1	6.9*
Lamb's Canyon x	11J14	6600	2/28	47	11.8	8.3	11.0	13.5*
Parley's Canyon Smt.	11J15	7500	2/24	58	15.0	9.3	12.4	15.7*
Redden Mine(lower)	11J6	8500	2/26	67	19.4	7.0	12.4	16.9*
Redden Mine(upper)	11J5	9000	2/26	73	22.4	8.0	13.5	17.9*
Silver Lake x	11J16	8725	2/25	82	25.5	10.8	14.3	21.4
Smith & Morehouse	11J4	7600	2/26	44	12.1	5.5	8.2	12.3*
Trial Lake x	10J8	9800	2/27	85	26.6	11.5	16.8	23.4*
PROVO RIVER & UTAH LAKE								
Camp Altamont	11J20	7300	3/1	49	15.4	4.2	13.0	16.3
Clear Creek Ridge #1	11K21	9200	2/28	68	20.0	6.8	12.7	15.2*
Clear Creek Ridge #2	11K22	8000	2/28	57	15.3	6.3	10.2	12.0*
Clear Creek Ridge #3	11K23	6600	2/26	30	8.7	3.5	6.6	7.0*
Daniels-Strawberry Smt.	11J23	8000	2/26	57	16.8	4.0	10.8	13.9
Dutchman R.S.	11J17	7500	No Report			4.9	14.6	18.0*
East Portal	11J7	7560	2/27	46	11.9	4.2	8.4	11.0
Hobble Creek Summit	11J22	7300	2/27	56	15.4	4.7	10.4	13.4*
Packard Canyon	11J31	6400	2/27	42	11.7	4.3	8.2	10.5*
Payson R.S.	11K1	8050	2/28	61	18.6	7.8	15.0	15.5*
Rock Bridge	11K2	6750	2/28	43	11.5	6.8	11.8	10.7*
Soapstone R.S.	11J25	7800	2/27	45	12.6	5.2	8.1	12.0*
South Fork R.S.	11J19	6100	3/1	10	2.6	0.3	8.4	7.3*
Strawberry Divide	11J8	8000	2/27	65	18.8	6.2	13.5	18.1
Timpanogos Cave Camp	11J18	5500	3/1	7	1.8	T	4.3	4.0*
Timpanogos Divide	11J21	8140	3/1	76	26.6	6.6	16.2	24.5
Trial Lake	10J8	9800	2/27	85	26.6	11.5	16.8	23.4*
JORDAN RIVER & GREAT SALT LAKE								
Farmington Canyon(lower)	11J12	6950	2/28	72	22.3	13.2	16.6	19.4*
Farmington Canyon(upper)	11J11	8000	2/28	84	27.7	14.7	17.4	22.5*
Lamb's Canyon	11J14	6600	2/28	47	11.8	8.3	11.0	13.5*
Middle Canyon	12J3	7000	2/23	40	10.5	9.0	12.2	11.3*
Mill D South Fork	11J10	7400	2/25	63	19.1	10.2	10.8	17.2*
Parley's Canyon Smt. x	11J15	7500	2/24	58	15.0	9.3	12.4	15.7*
Silver Lake	11J16	8725	2/25	82	25.5	10.8	14.3	21.4

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
UPPER SEVIER RIVER (South of Richfield, Utah)								
Big Flat x	12L7	10000	2/23	62	14.8	10.2	10.8	15.8*
Box Creek	12L4	9800	2/21	51	10.8	6.2	9.1	12.0*
Bryce Canyon	12M8	8000	2/26	25	5.4	0.0	4.6	4.5*
Castle Valley	12M13	9700	2/28	59	15.7	7.2	11.0	12.0*
Cedar Breaks	12M1	10390	2/27	87	23.0	10.8	13.9	19.2*
Duck Creek R.S.	12M4	8560	2/26	90	19.6	4.1	10.4	13.5*
Fish Lake	11L3	8700	2/20	26	5.4	1.8	5.6	7.3*
Harris Flat R.S.	12M5	7700	2/26	47	12.3	1.5	8.4	9.0*
Kimberly Mine	12L6	8900	2/23	45	11.2	6.4	12.7	14.0*
Long Valley Jnct. x	12M6	7500	2/26	24	6.1	0.0	5.7	5.9*
Midway Valley	12M2	9800	2/27	98	26.1	11.7	14.0	20.1*
Panguitch Lake	12M7	8200	2/28	12	3.3	2.6	4.5	4.5*
Squaw Springs	12L5	9300	2/21	32	6.4	2.9	5.5	7.0*
Widtsoe-Escalante Smt.	11M1	9500	2/27	39	9.1	4.8	6.1	6.7
Widtsoe-Escalante #2	11M2	9500	2/27	46	9.5	7.6	7.9	8.7*
Widtsoe-Escalante #3	11M3	9500	2/27	50	10.6	10.4	9.1	- -
LOWER SEVIER RIVER (Including San Pitch River)								
Bear Canyon	12L3	7200	2/23	24	6.8	5.2	11.2	8.1*
Beaver Dams	11K13	8000	2/23	49	13.5	5.2	9.8	10.1*
Farnsworth Lake	11L1	9900	2/27	60	15.3	10.3	11.3	15.1*
G.B.R.C. Headquarters	11K11	8700	2/28	78	21.4	7.5	12.5	13.6*
G.B.R.C. Meadows	11K10	10000	2/28	91	26.9	10.8	18.2	21.0*
Gooseberry R.S.	11L2	8400	2/27	44	10.0	6.3	8.0	9.3*
Gooseberry Reservoir	11K4	8700	2/26	78	23.3	7.4	11.9	16.2*
Mammoth R.S.-Ctnwd.Crk	11K3	8800	2/26	84	24.6	7.2	12.5	17.1*
Mt. Baldy R.S.	11K12	9500	2/23	86	24.0	9.3	15.6	19.5*
Pine Creek	12L1	8700	2/27	58	13.3	8.1	16.3	13.3*
Rees' Flat	11K36	7300	2/21	53	13.7	6.1	10.2	9.4*
Shingle Mill	12L11	6200	2/23	22	7.2	6.1	- -	- -
BEAVER RIVER								
Big Flat	12L7	10000	2/23	62	14.8	10.2	10.8	15.8*
Merchant's Valley	12L9	8200	2/23	38	9.8	4.1	7.4	9.0*
Otter Lake	12L8	9300	2/23	50	12.0	7.0	8.9	13.3*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
PAROWAN CREEK								
Ed Ward Flat	12M12	8300	2/26	31	7.4	5.7	5.5	7.7*
Yankee Reservoir	12M11	8700	2/26	40	9.6	6.5	7.6	9.8*
COAL CREEK								
Cedar Breaks	12M1	10390	2/27	87	23.0	10.8	13.9	19.2*
Midway Valley x	12M2	9800	2/27	98	26.1	11.7	14.0	20.1*
Urie Flat	12M10	8450	2/27	47	10.9	1.3	6.7	7.8*
Webster Flat	12M3	9200	2/27	81	21.0	5.5	13.9	15.6*
ENTERPRISE TO NEW HARMONY DRAINAGE								
Little Grassy Creek	13M4	6100	3/1	19	3.6	0.0	6.5	- -
Long Flat	13M2	8000	2/28	27	6.4	2.0	7.4	5.7*
COLORADO RIVER DRAINAGE								
BRUSH CREEK								
Kings Cabin(lower)	9J2	8600	2/20	49	11.4	3.4	5.4	8.7*
Kings Cabin(upper)	9J1	8730	2/20	56	12.6	3.8	6.0	9.9*
DUCHESNE RIVER								
Ashley Twin Lakes a	9J11	10500	3/5	91	23.0	New Course		- -
Atwood Basin a	10J27	10250	3/5	60	15.0	New Course		- -
Chepeta-Whiterocks Lakes a	9J9	10300	3/5	71	18.0	New Course		- -
Daniels-Strawberry Smt x	11J23	8000	2/26	57	16.8	4.0	10.8	13.9
East Portal x	11J7	7560	2/27	46	11.9	4.2	8.4	11.0
Five Point Lake a	10J26	11000	3/5	75	19.0	New Course		- -
Indian Canyon	10K1	9100	2/26	61	15.4	3.3	7.5	10.7
Julius Park	9J6	9800	2/26	67	17.0	7.0	7.0	- -
Lakefork Basin a	10J25	11100		No Report		New Course		- -
Lakefork Mountain	10J10	10500	2/23	59	14.2	3.6	6.9	10.9*
Lakefork Mountain #2	10J11	8900	2/23	48	12.2	1.7	5.2	7.6*
Lakefork Mountain #3	10J12	8100	2/23	43	10.7	0.4	4.8	6.4*
Mosby Mountain	9J5	9500	2/26	64	13.9	3.9	5.8	10.2*
Paradise Park	9J3	10100	2/26	64	15.3	7.4	7.2	11.8*
Soapstone R.S. x	11J25	7800	2/27	45	12.6	5.2	8.1	12.0*
Strawberry Divide x	11J8	8000	2/27	65	18.8	6.2	13.5	18.1
Trial Lake x	10J8	9800	2/27	85	26.6	11.5	16.8	23.4*
White River #1 x	10K2	8600	2/27	61	19.4	4.0	8.0	12.2*
Windy Park a	9J12	9400	3/5	64	16.0	New Course		- -

x - Adjacent Drainage

a - Aerial marker, water content estimated.

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
PRICE RIVER								
Corral	10K5	8200	2/28	54	14.1	2.0	6.6	8.0*
Dry Valley Divide	11K8	7800	2/26	50	14.6	2.3	7.2	10.7*
Gooseberry Reservoir	11K4	8700	2/26	78	23.3	7.4	11.9	16.2*
Grassy Trail Crk-Left Fk	10K3	7970	2/28	55	14.6	2.0	8.8	9.0*
Indian Canyon x	10K1	9100	2/26	61	15.4	3.3	7.5	10.7
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/26	84	24.6	7.2	12.5	17.1*
Mud Creek #2	11K33	8300	2/26	67	19.0	3.5	7.2	11.5*
Jones Ranch b	11K7	7600	2/26	37	11.3	1.4	4.3	7.0*
White River #1	10K2	8600	2/27	61	19.4	4.0	8.0	12.2*
White River #2	11K24	7600	2/27	43	12.6	2.8	6.3	8.8*
White River #3	11K25	7400	2/27	34	10.5	1.8	8.4	8.9*
SAN RAFAEL RIVER								
Buck Flat	11K31	9400	2/23	71	17.2	5.8	13.4	13.5*
Gooseberry Reservoir x	11K4	8700	2/26	78	23.3	7.4	11.9	16.2*
Red Pine Ridge	11K28	9400	2/26	75	19.8	6.4	13.0	15.3*
Rush Pond	11K38	9800	2/23	67	16.3	5.9	11.2	12.4*
Seely Creek R.S.	11K9	10000	2/28	62	17.3	5.4	12.7	13.0*
Upper Joe's Valley	11K29	8800	2/26	53	11.9	2.8	9.3	8.4*
Wrigley Creek	11K32	9000	2/23	57	13.5	4.6	10.3	9.1*
MUDDY RIVER								
Mt. Baldy R.S. x	11K12	9500	2/23	86	24.0	9.3	15.6	19.5*
FREMONT RIVER								
Black's Flat-UM Creek	11L4	9250	2/20	44	9.2	4.8	7.4	9.0*
Farnsworth Lake x	11L1	9900	2/27	60	15.3	10.3	11.3	15.1*
Fish Lake	11L3	8700	2/20	26	5.4	1.8	5.6	7.3*
Johnson Valley	11L6	8850	2/20	30	5.6	3.2	5.0	6.5*
ESCALANTE RIVER								
Widtsoe-Escalante Smt.	11M1	9500	2/27	39	9.1	4.8	6.1	6.7
Widtsoe-Escalante #2	11M2	9500	2/27	46	9.5	7.6	7.9	8.7*
Widtsoe-Escalante #3	11M3	9500	2/27	50	10.6	10.4	9.1	- -

x - Adjacent Drainage

* - 1943-57 Adjusted Average

b - Formerly called Staley Ranch

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
VIRGIN RIVER								
Cedar Breaks x	12M1	10390	2/27	87	23.0	10.8	13.9	19.2*
Duck Creek R.S.	12M4	8560	2/26	90	19.6	4.1	10.4	13.5*
Harris Flat R.S.	12M5	7700	2/26	47	12.3	1.5	8.4	9.0*
Long Valley Junction	12M6	7500	2/26	24	6.1	0.0	5.7	5.9*
Midway Valley x	12M2	9800	2/27	98	26.1	11.7	14.0	20.1*
Webster Flat	12M3	9200	2/27	81	21.0	5.5	13.9	15.6*
SOUTHEASTERN UTAH DRAINAGES								
Buckboard Flat	9M1	9000	2/20	52	12.4	5.8	13.1	13.3*
Camp Jackson	9M2	8600	2/20	43	11.0	3.4	12.8	12.0*
LaSal Mountain	9L1	8800	2/21	38	9.6	2.7	7.3	9.8*
LaSal Mountain(upper)	9L2	9600	2/21	56	14.0	4.9	11.8	16.0*
GREEN RIVER (Above Green River, Wyoming)								
Big Sandy Opening	9G8	9220	2/25	57	14.2	6.6	- -	- -
Blind Bull Summit a	10G2	8750	2/27	82	29.5a	17.0a	19.0a	26.3
Dutch Joe R.S.	9G5	8700	2/25	48	12.6	5.4	5.7	7.3*
East Rim Divide	10F17	7950	2/23	45	11.8	4.0	4.7	10.5
Grennier Meadows x	8G4	9000	2/20	55	14.4	5.4	8.3	13.1
Gros Ventre Summit a	10F19	8750	2/27	54	15.0a	8.0a	14.0a	12.5*
Kendall R.S. #1	10F15	7900	3/4	46	12.7	4.7	5.2	10.5
Loomis Park #1	10F16	8500	3/3	68	19.5	7.9	9.1	15.9
Mulligan Park	9G1	8900	2/26	51	13.2	5.2	5.2	9.6
Piney-LaGarge #1	10G10	8820	2/27	68	23.1	10.6	11.1	18.0*
Poison Meadows x a	10G6	8500	2/27	100	34.0a	17.0a	17.0a	24.4a
Snyder Basin R.S. #2	10G13	8040	2/27	57	19.2	8.5	8.7	14.1*
Soda Lake	10G14	8300	2/28	58	19.0	9.9	9.6	18.3*
South Pass x	8G3	9000	2/20	53	14.1	5.7	7.1	13.2
Triple Peaks	10G15	8500	3/1	78	27.6	15.6	14.0	26.2*
GREEN RIVER (Green River, Wyo. to Flaming Gorge, Utah)								
Big Park a	10G11	8700	2/27	69	23.5a	10.0a	14.0a	16.9a
Black's Fork Jct.	10J22	8925	2/21	37	8.6	4.4	- -	- -
Buck Pasture a	10J23	9700		No Report		New Aerial Marker		
East Fk.Black's Fk.G.S.	10J21	9300	2/21	39	9.7	3.6	- -	- -
Henry's Fork a	10J24	10200		No Report		New Aerial Marker		
Hewinta G.S.	10J4	9500	2/20	33	8.3	4.1	- -	- -
Hickerson Park	9J8	9100	2/21	33	7.6	3.2	- -	- -
Spirit Lake	9J7	10300	2/21	58	15.6	8.9	- -	- -
Steel Creek Park	10J20	9900		No Report		New Course		

x - Adjacent Drainage

a - Aerial marker, water content estimated.

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
YAMPA RIVER								
Clark a	6J13	7800	3/1	63	18.3a	6.2	7.6	- -
Columbine Lodge x	6J3	9300	2/26	92	26.4	12.2	16.4	19.6
Dry Lake	6J1	8200	3/1	88	26.4	11.3	16.2	17.1
Elk River a	6J4	8700	3/1	76	22.0 a	9.6	12.4	15.1
Lynx Pass x	6J6	9100	2/27	65	16.3	5.5	8.0	10.6
Old Battle x	6H10	9800	3/1	98	31.2	19.7	20.5	25.8
Rabbit Ears	6J9	9550	2/26	105	28.3	14.5	- -	22.0*
Yampa View	6J10	8500	2/26	63	17.0	8.3	11.1	12.8*
WHITE RIVER								
Burro Mountain	7K2	9000	2/28	81	22.7	10.9	13.0	14.6
Rio Blanco	7J1	8500		No Survey		7.8	13.1	13.1
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.)								
Arrow	5K6	9900	2/26	52	12.4	5.6	8.7	9.0
Berthoud Pass	5K3	9700	2/27	60	16.4	7.9	12.7	11.5
Berthoud Summit	5K14	11300	2/27	67	19.6	10.7	16.1	14.2*
Blue River	6K21	10500	2/27	36	8.7	3.7	11.8	- -
Cameron Pass x a	5J1	10300		No Report		14.8	18.0	18.0
Cooper Hill x	6K23	10800	2/25	54	11.9	6.4	13.5	- -
Fiddler Gulch	6K5	11000	Est.	75	20.6	- -	15.0	13.6
Fremont Pass	6K8	11400	2/27	68	18.2	7.4	14.2	13.2
Frisco	6K13	9300	2/28	35	8.6	2.7	4.3	7.8*
Glen-Mar Ranch	6K20	8850	2/23	42	8.9	4.6	6.2	7.2*
Gore Pass	6J11	8900	2/27	54	14.3	3.9	5.5	9.2*
Granby	5J16	8700	2/26	38	8.6	2.8	4.9	5.9*
Grand Lake	5J19	8600	2/26	44	10.1	4.8	5.0	7.4*
Grizzly Peak	5K9	11250	2/26	67	19.1	7.3	14.9	14.9
Hoosier Pass x	6K1	11400	2/27	49	13.5	7.0	11.1	10.0
Jones Pass	5K21	10400	2/23	57	14.8	6.8	11.8	- -
Lake Irene	5J10	10600	Est.	80	26.0	- -	- -	18.6
Lapland	5K7	9300	2/27	50	12.8	4.2	5.9	10.3
Lulu	5J7	10200		No Report		8.8	15.3	13.9
Lynx Pass	6J6	9100	2/27	65	16.3	5.5	8.0	10.6
Middle Fk.Camp Ground	5K4	9000	2/23	41	10.1	5.4	7.0	8.0
Milner Pass	5J24	10100		No Report		- -	- -	11.2*
Monarch Lake	5J14	8500	2/27	44	10.9	5.8	9.0	10.8*
N.Inlet Grand Lake	5J9	9000	Est.	44	10.8	- -	5.5	8.0
Pando	6K19	9500	2/27	39	10.2	4.4	6.1	9.9*
Phantom Valley	5J4	9300	2/26	46	11.4	4.5	7.3	8.9
Ranch Creek	5K18	9400	2/26	43	10.9	4.6	5.4	- -
Shrine Pass	6K9	10500	2/27	71	20.5	7.7	14.8	14.0

x - Adjacent Drainage
a - Aerial marker - water content estimated
* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content 1961	1960	(In) 1943-57 Av.
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.) - Continued								
Snake River	5K16	9700	2/26	38	8.8	3.0	4.4	7.9*
Summit Ranch	6K14	10000	Est.	45	10.0	- -	- -	6.9*
Tennessee Pass x	6K2	10200	2/26	54	11.7	4.8	9.1	7.9
Vail Pass	6K15	10000	2/27	75	21.0	6.6	11.2	16.5*
Vasquez Creek	5K19	9600	2/26	53	14.6	5.5	9.7	- -
Willow Creek Pass	6J5	9500	2/26	69	15.5	6.3	10.0	10.8
ROARING FORK								
Aspen	6K22	9700	2/23	63	16.4	6.8	17.4	- -
Ind. Pass Tunnel	6K4	10200	2/26	76	24.4	6.8	13.1	14.3
Ivanhoe	6K10	10400	2/26	73	20.1	5.9	10.6	15.7*
Lift	7K10	11250	2/23	82	21.0	10.6	10.2	- -
Nast	6K6	8700	2/24	35	6.9	2.0	- -	6.0
North Lost Trail a	7K1	9200	2/28	71	22.0 a	7.1	9.8	12.8
PLATEAU CREEK								
Mesa Lakes	7K4	10000	2/25	60	15.3	7.1	14.9	13.2
Trickle Divide a	7K5	10000	2/28	109	31.6 a	12.2	18.9	22.2
GUNNISON RIVER								
Alexander Lake a	7K3	10000	2/28	89	24.0	7.2	16.9	17.6
Blue Mesa	7L2	8700	2/27	42	10.3	4.0	5.5	- -
Cochetopa Pass x	6L6	10000	2/26	26	5.6	5.3	5.7	4.8*
Crested Butte	6L1	9000	2/25	61	14.9	6.4	4.3	12.6
Ironton Park	7M6	9800	2/27	47	12.6	8.8	11.6	10.3
McClure Pass a	7K8	9500	2/28	79	23.7 a	8.6	14.1	13.5*
Park Cone	6L2	9700	3/1	57	13.5	4.4	7.8	9.4
Park Reservoir a	7K6	9500	2/28	105	30.5 a	9.9	18.1	20.9
Porphyry Creek	6L3	10700	2/26	68	19.8	11.8	14.5	13.5
Red Mountain Pass	7M15	11000	2/28	103	34.2	16.4	27.4	22.5*
Trickle Divide x a	7K5	10000	2/28	109	31.6 a	12.2	18.9	22.2
DOLORES RIVER								
Lizard Head	7M3	10300	2/26	68	18.9	8.0	12.3	13.2
Rico	7M1	8700	2/26	37	9.5	6.0	7.8	7.9
Telluride x	7M2	8600	2/26	30	7.0	4.5	5.3	6.7
Trout Lake	7M9	9700	2/26	61	14.8	6.4	13.0	11.5*

x - Adjacent Drainage a - Aerial marker, water content estimated

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
SAN JUAN RIVER								
Cascade	7M5	8850	2/28	55	14.5	5.5	11.8	11.3
Chama Divide x	6N2	7750	2/26	17	4.0	3.0	6.1	4.4
Chamita x	6N3	8500	2/26	44	9.0	5.8	8.5	9.3
Howardville	7M13	9800		No Survey		5.9	- -	8.7*
Ironton Park x	7M6	9800	2/27	47	12.6	8.8	11.6	10.3
Mineral Creek	7M14	10300	2/28	63	17.3	6.0	13.7	11.8*
Molas Lake	7M12	10500	2/28	60	16.3	5.1	10.2	12.5*
Red Mountain Pass x	7M15	11000	2/28	103	34.2	16.4	27.4	22.5*
Silverton Sub-Station	7M4	9400	2/28	36	9.0	2.5	7.4	5.1
Spud Mountain	7M11	10700	2/28	99	29.0	10.8	21.8	20.3*
Upper San Juan	6M3	10000	2/28	115	34.1	11.8	30.1	27.6
Wolf Creek Pass x	6M1	10000	3/1	104	32.9	9.8	27.2	25.4
Wolf Creek Summit	6M17	11000	2/28	112	32.4	11.3	33.9	24.7*
LITTLE COLORADO RIVER								
Baldy	9S1	9125	2/27	53	15.0	5.1	11.8	7.4*
Canyon Creek #2	10R7	7500	2/28	31	6.8	0.7	8.7	- -
Forest Dale	10R6	6430	2/26	15	1.7	T	2.7	1.0
Fort Apache	9R5	9160	2/27	55	15.4	5.1	12.3	8.0*
Fort Valley	11P2	7350	2/28	26	6.0	0.0	5.6	2.3*
Gentry	10R5	7600	2/28	29	5.7	0.3	8.0	4.2*
Happy Jack x	11R5	7630	2/28	24	9.3	T	11.1	3.8*
Heber	10R4	7600	2/28	32	6.8	0.7	9.0	4.3*
McNary	9R2	7200	2/27	25	4.7	T	7.7	2.4
Mormon Lake	11R4	7350	3/1	34	8.3	1.1	7.5	4.5*
Mormon Mountain	11R3	7500	3/1	44	12.3	1.0	9.6	6.5*
Nutrioso	9S4	8500	2/28	11	2.1	1.0	3.8	1.7
LOWER COLORADO								
Bright Angel	12N1	8400	2/28	42	9.5	5.8	- -	9.4*
Chalender x	12P1	7100	2/28	28	6.4	0.6	6.1	2.8*
Fort Valley	11P2	7350	2/28	26	6.0	0.0	5.6	2.3*
Grand Canyon	11P1	7500	2/28	12	3.7	0.3	4.6	2.0*
WILLIAMS RIVER								
Camp Wood x	12R1	5700	2/28	11	1.7	0.0	0.6	0.8*
Iron Springs	12R2	6200	2/26	7	1.7	T	0.0	0.9*
Willow Ranch	13P1	5000	3/1	T	T	0.0	0.0	0.4*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MARCH 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GILA RIVER								
Bear Wallow	10T1	8100	2/28	38	13.0	0.7	10.7	2.4*
Beaver Head	9S6	8000	2/28	21	5.8	2.1	5.6	2.3
Coronado Trail	9S7	8000	2/28	12	3.1	1.6	4.7	2.3
Frisco Divide	8S1	8000	2/28	12	2.3	1.4	4.7	1.7
Ice King	8S6	8000	2/27	36	11.3	3.9	- -	- -
Inman	7S2	7800	2/27	T	T	0.0	0.4	0.4*
Mogollon	8S2	7000	2/27	11	5.1	1.8	3.2	1.4*
Nutrioso	9S4	8500	2/28	11	2.1	1.0	3.8	1.7
Redstone Trail	8S7	8600	2/27	49	17.8	4.6	- -	- -
Rose Canyon	10T2	7300	2/28	27	8.4	0.0	5.8	0.8*
State Line	9S8	8000	2/28	11	2.5	1.1	5.4	2.1
Taylor Creek	7S1	7850	2/27	T	T	0.0	T	0.4
SALT RIVER								
Baldy	9S1	9125	2/27	53	15.0	5.1	11.8	7.4*
Beaver Head	9S6	8000	2/28	21	5.8	2.1	5.6	2.3
Canyon Creek #2	10R7	7500	2/28	31	6.8	0.7	8.7	- -
Coronado Trail	9S7	8000	2/28	12	3.1	1.6	4.7	2.3
Forest Dale	10R6	6430	2/26	15	1.7	T	2.7	1.0
Fort Apache x	9R5	9160	2/27	55	15.4	5.1	12.3	8.0*
Gentry	10R5	7600	2/28	29	5.7	0.3	8.0	4.2*
Heber	10R4	7600	2/28	32	6.8	0.7	9.0	4.3*
Maverick Fork	9S2	9050	2/27	68	18.4	5.9	12.7	7.5*
McNary	9R2	7200	2/27	25	4.7	T	7.7	2.4
Milk Ranch	9R1	7000	2/27	17	2.5	T	4.5	0.9
Nutrioso	9S4	8500	2/28	11	2.1	1.0	3.8	1.7
Pacheta	9S5	7800	2/28	31	8.0	0.0	5.0	2.4*
Workman Creek	10S1	6900	2/27	46	12.6	T	10.4	1.5*
VERDE RIVER								
Camp Wood	12R1	5700	2/28	11	1.7	0.0	0.6	0.8*
Casner Park	11R2	6930	3/1	30	8.1	T	7.5	2.8*
Chalender	12P1	7100	2/28	28	6.4	0.6	6.1	2.8*
Fort Valley x	11P2	7350	2/28	26	6.0	0.0	5.6	2.3*
Gaddes Canyon	12R4	7600	2/28	38	10.6	0.8	9.4	- -
Happy Jack	11R5	7630	2/28	24	9.3	T	11.1	3.8*
Iron Springs x	12R2	6200	2/26	7	1.7	T	0.0	0.9*
Mingus Mountain	12R3	7100	2/28	11	1.9	0.0	2.5	1.2*
Mormon Lake x	11R4	7350	3/1	34	8.3	1.1	7.5	4.5*
Mormon Mountain	11R3	7500	3/1	44	12.3	1.0	9.6	6.5*
Munds Park	11R1	6500	3/1	18	4.4	0.0	5.4	2.4*

x - Adjacent Drainage * - Adjusted Average

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH, BEAR & COLORADO RIVER BASIN

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

and

STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Utah Fish and Game Dept., Agricultural Experiment Stations at Arizona, Colorado and Utah; the State Engineers of Colorado, New Mexico and Wyoming; Bureau of Reclamation, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
APR. 1, 1962

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

for

UTAH, BEAR and COLORADO RIVER BASINS

APRIL 1, 1962

Report Prepared

by

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Mimeograph Series 469

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH, BEAR and UPPER COLORADO BASINS

April 1, 1962
Approximate Date

50 0 50 100
SCALE IN MILES

N

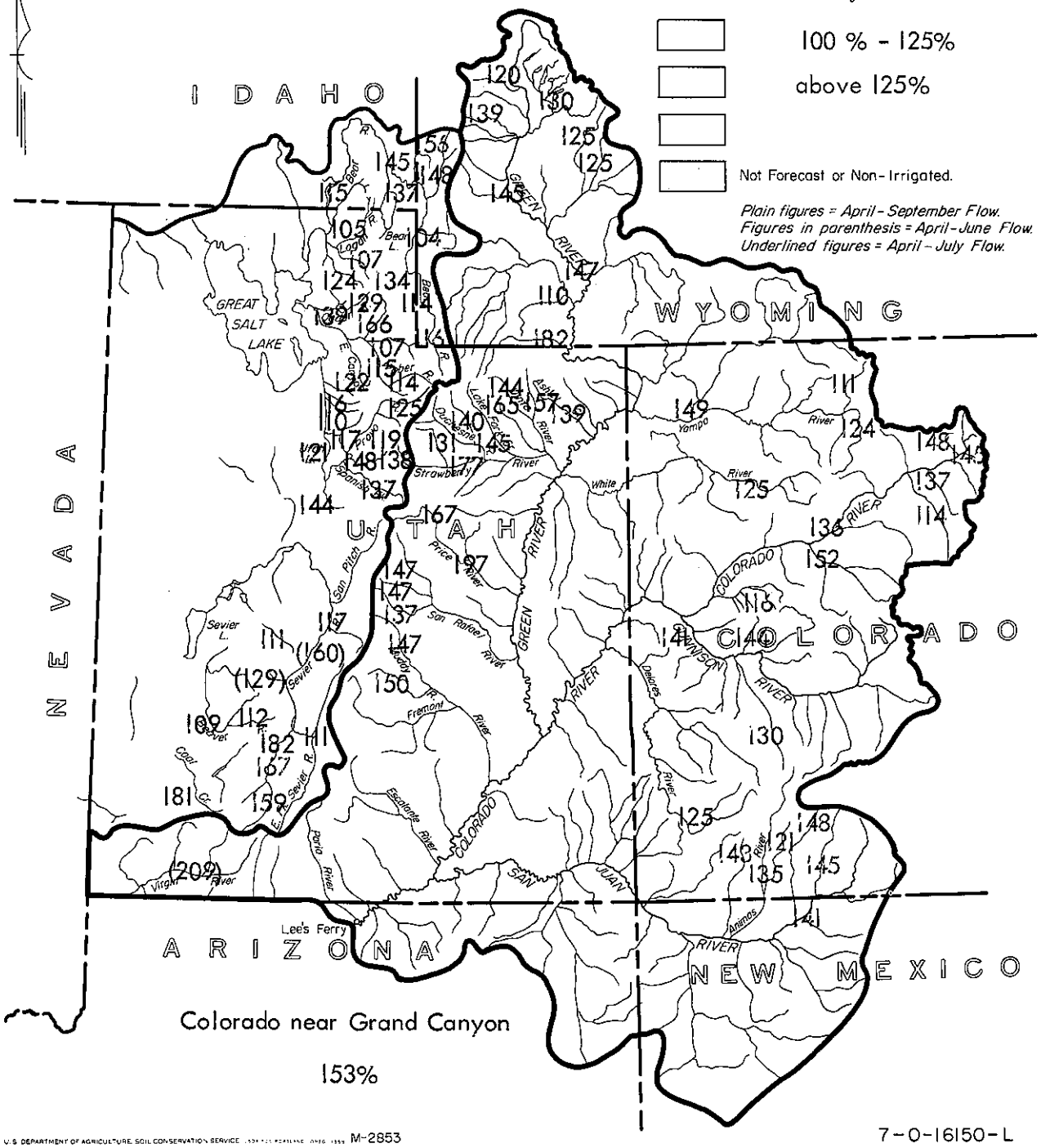
Forecast Stream Flow in Percent of 1943-57
15 Year Average

100 % - 125%

above 125%

Not Forecast or Non-Irrigated.

Plain figures = April-September Flow.
Figures in parenthesis = April-June Flow.
Underlined figures = April-July Flow.



Colorado near Grand Canyon

153%

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

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

APRIL 1, 1962

* *
*
* Utahs' 1962 irrigation water supply should be adequate, even *
* in the areas of low reservoir storage. Heavy snowpacks over- *
* lying wet soils indicate some damage will occur during the *
* high water period this spring. This will not affect the more *
* heavily populated part of the State. *
* *

All sections of Utah can expect average or above streamflow this summer. On some watersheds the snowpack and soil moisture are so high that problems will probably develop from high water damage during the spring snowmelt period. Although this will not affect the more heavily populated part of the state, the seriousness of the problem is not lessened for those who may be concerned.

The areas where highest streamflow is expected are the North Fork of the Ogden river and most of the streams in the Uintah Basin and East Carbon county.

On the North Fork of the Ogden river, the Ben Lomond Peak snow course has set a new record with a reading of 49.6 inches of water. This compares to 48.8 inches measured in the 1952 flood year and the average value of 36.0 inches. However, this does not mean that there will be the high water which came down the Ogden river past Pineview Dam in 1952. There are two reasons for this - one, Pineview Dam has been enlarged since 1952; and two, the South and Middle Forks do not have the heavy low and intermediate elevation snowpacks of '52. The South Fork is forecast at 129% of average for the April-September period, while the North Fork is expected to run closer to 150%. Total inflow to Pineview reservoir for the March-July period is forecast at 195,000 acre feet, or 139% of average. This is essentially the same as was measured in 1950 & 1951.

In the Uintah Basin, the snowpack averages about 5% to 15% less than it was in 1952 in an area extending from the Lakefork river above Moon Lake eastward across all the watersheds between it and the Green river. The same condition exists on the south side of the Basin in the mountains between Duchesne and Price.

Since the soils are much wetter from the heavy storms of last fall than they were in 1952, streams in these areas are expected to yield essentially the same total volume of water as in that year. Forecasts of the April-September runoff range between about 140% and 185% of average.

The Strawberry river at Duchesne and the Price river near Heiner are forecast at 177% and 197%, respectively. While this does not compare with the 332% measured on the Strawberry river in 1952 and the 330% on the Price river, it is the highest for any other year since 1923.

Streamflow forecasts vary between 135% and 165% for tributaries of the San Rafael and Muddy rivers between Huntington and Emery, for the San Pitch river from Fairview to Mayfield, and streams near Levan such as Chicken Creek. Flow from these streams should be essentially the same as it was in 1958. In the forty years since 1922, the 1958 runoff is second only to 1952.

The snowpack and soil moisture conditions on the Virgin river, South Fork of the Sevier and Coal Creek near Cedar City also indicate heavy runoff. Forecasts for these streams range between about 160% and 210%. During the last 30 years there have been six other years higher than this, most recent of which was 1958.

Inflow to the Sevier river between Kingston and Vermillion Dam during the April-June period is expected to be 160%. From Vermillion Dam to Gunnison, the March-June inflow is expected to be 119%, excluding what may come from the San Pitch river past Gunnison reservoir. Flow past Gunnison reservoir has occurred so seldom in the past, that there are not enough records to be able to tell just how much may come from this source. However, if average weather conditions prevail for the next two months, a sizable contribution should come from here to benefit the lower Sevier river water users.

Good water supplies are expected for the East Fork Sevier river, Beaver river, the streams near Fillmore and in southeastern Utah near Moab, Monticello and Blanding. In these areas forecasts range from 10% to about 20% above average. The Fremont river, Salina Creek, inflow to Koosharem reservoir and other tributaries of Otter Creek are expected to produce about 20% to 40% above average.

Farther north in the state, above average snowfall during March raised forecasts for streams draining into Utah Lake by about 5% to 20%. Anticipated yields from these streams now range from 117% on the American Fork river to 148% on Hobble Creek near Springville. Expected inflow of 121% to Utah Lake and 138% to Strawberry reservoir pretty well assures an adequate water supply this summer for the people served by them. However, these reservoirs will still be considerably below average by fall.

Streams near Salt Lake, Tooele, the upper Weber, Provo and Bear rivers, and the streams in Cache Valley are all forecast to produce between about 10% to 25% above average.

The smaller streams near Farmington have a much heavier snowpack and wetter soils than in the Salt Lake area. They should yield about 140%.

Northern tributaries of the Bear river near Montpelier, Idaho and Border, Wyoming are expected to flow at 145% to 155%. This will be among the highest years of record for this area, and will help toward bringing Bear Lake storage back to a more nearly normal amount.

Irrigation company officials and others in the areas where exceptionally high streamflow is expected should be taking every precaution they can to see that diversion structures, stream channels and canals are in good repair. Any obstacles that might contribute to damage during peak flow periods should be removed.

The water outlook for the entire Colorado river basin remains much the same as it was a month ago. Most streams in the Upper basin are expected to produce from 125% to 160% of their usual amounts.

Forecast inflow of $12\frac{1}{2}$ million acre feet for the Colorado river near Grand Canyon for the April-July period is slightly less than was measured in 1957.

In Arizona the snowpack approaches, and in some cases exceeds, all previous records. Streamflow forecasts average about twice the usual amounts.

Comparative Reservoir Storage Data is given on page 8.

STREAMFLOW FORECASTS - APRIL 1, 1962

The following summarized 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.

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
GREAT BASIN						
BEAR RIVER SYSTEM						
Bear nr Ut-Wyo. State Line	142	116	Apr-Sept	67	88	123
Bear nr Woodruff	152	114	Apr-Sept	27.4	61	133
Woodruff Crk nr Woodruff, Ut.	26	134	Apr-Sept		9.2	19.4*
Big Crk nr Randolph, Ut.	13	134	Apr-Sept		2.5	9.7*
Bear nr Randolph	120	104	Apr-Sept	4.6	23.8	115 *
Smith's Fork nr Border, Wyo.	176	148	Apr-Sept	49	83	119
Thomas Fork nr Wyo-Ida.State Line.	53	156	Apr-Sept	6.0	18.2	34 *
Bear at Harer, Idaho	410	137	Apr-Sept	44	119	299
Montpelier Crk nr Montpelier, Ida.	19	145	Apr-Sept	2.9	6.9	13.1
Cub River nr Preston,Ida.	60	115	Apr-Sept		37	52 *
Little Bear nr Paradise	57	124	Apr-Sept	10.7	23.3	46
Logan nr Logan (1)	150	105	Apr-Sept	60	99	143
Blacksmith Fork nr Hyrum (2)	72	107	Apr-Sept	21.3	40	67
WEBER-OGDEN RIVERS						
Weber nr Oakley	134	125	Apr-June	39	76	107
	153	114	Apr-Sept	51	90	134
Wanship Reservoir Inflow(3)	147	113	Apr-July	36	73	130 *
Weber nr Coalville(4)	165	115	Apr-Sept	32	70	143
Chalk Crk at Coalville	45	107	Apr-Sept	6.4	15.7	42
Lost Crk nr Croydon,Ut.	33	166	Apr-Sept	2.9	7.9	19.9
East Canyon Crk nr Morgan(5)	35	122	Apr-Sept	3.2	11.0	28.7
So. Fork Ogden nr Huntsville	90	129	Apr-Sept	16.2	38	70
Pineview Reservoir Inflow(6)	195	139	March-July	27.8	75	140

(1) Includes U.P.&L. Co. tailrace and Logan, Hyde Park & Smithfield Canal.
(2) Above Utah Power & Light Company's dam.
(3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal.
(4) Includes diversion by Weber-Provo canal and change in storage in Wanship Reservoir.
(5) Observed flow plus change in storage in East Canyon Reservoir.
(6) Inflow record as computed by U. S. Bureau of Reclamation.
(*) Partly estimated.

STREAMFLOW FORECASTS - APRIL 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr Av. 1943-5
PROVO RIVER & UTAH LAKE						
Strawberry Reservoir Inflow(7)	77	138	Apr-Sept	1.8	19.6	56
Spanish Fork at Thistle	59	137	Apr-Sept	8.9	22.0	43
Payson Creek nr Payson	11.5	144	Apr-Sept	2.5	5.2	8.0
Hobble Crk nr Springville	35	148	Apr-Sept	3.1	7.2	23.7
Provo nr Hailstone(8)	145	125	Apr-Sept	32	71	116
Provo at Vivian Park(9)	190	119	Apr-Sept	39	76	159
American Fork nr American Fork	42	117	Apr-Sept	9.0	23.8	36
Utah Lake Inflow	385	121	Apr-Sept	99	112	317
JORDAN RIVER & SALT LAKE						
Little Cottonwood Crk nr SLC	43	110	Apr-Sept	21.5	32	39
Big Cottonwood nr SLC	44	110	Apr-Sept	17.7	33	40
Parley's Crk nr SLC	17	116	Apr-Sept	21.4	6.6	14.7
SEVIER RIVER						
Sevier at Hatch	58	166	Apr-June	15.5	14.7	35
	78	159	Apr-Sept	26.3	21.7	49
Sevier nr Circleville	72	167	Apr-Sept	23.0	14.9	43
Sevier nr Kingston	48	195	Apr-June	3.0	2.4	24.6
	54	182	Apr-Sept	10.1	3.6	29.7
East Fork Sevier nr Kingston(10)	18.5	108	Apr-June	9.9	3.4	17.2
	24	111	Apr-Sept	17.0	7.2	21.6
Sevier below Piute Dam(11)	76	149	Apr-Sept	27.7	7.6	51
Clear Crk nr Sevier(abv.div.)	20.5	129	Apr-June	7.3	8.8	15.9
Inflow						
Kingston to Vermillion Dam	75	160	Apr-June	11.2	16.6	47
Vermillion Dam to Gunnison	75	119	March-June	28.6	32	63
Salina Crk at Salina(12)	20	213	Apr-June	0.5		9.4
Sevier River nr Gunnison	75	117	Apr-Sept	22.6	27.6	64
BEAVER RIVER						
Beaver nr Beaver	26.5	119	Apr-June	9.9	11.3	22.3
	33	112	Apr-Sept	13.4	14.2	29.4
Rockyford Reservoir Inflow(13)	10	109	Apr-June	1.0	0.1	9.2

(7) Change in storage plus diversion thru Strawberry tunnel.
(8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
(9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thr Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.
(10) Observed flow plus change in storage in Otter Creek Reservoir.
(11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
(12) Gage is below diversions near Salina.
(13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir.
(*) Partly estimated.
(a) Does not include flow coming from San Pitch River.

STREAMFLOW FORECASTS - APRIL 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
PAVANT VALLEY						
Chalk Crk nr Fillmore	22.5	111	Apr-Sept	8.0	12.4	20.3*
COAL CREEK						
Coal Crk nr Cedar City	30	181	Apr-Sept	11.7	8.1	16.6
COLORADO RIVER BASIN						
GREEN RIVER TRIBUTARIES IN UTAH						
FLAMING GORGE TO DUCHESNE RIVER						
Henry's Fork at Linwood	73	182	Apr-Sept	16.4	22.7	40
Ashley Creek nr Vernal	82	139	Apr-Sept	47	36	59
DUCHESNE RIVER						
Duchesne at Provo River (Trail nr Hanna)	52	124	Apr-Sept	-	-	42 *
Duchesne nr Tabiona(14)	155	125	Apr-Sept	48	74	124
Rock Crk nr Mtn. Home	136	125	Apr-Sept	52	76	109
Strawberry at Duchesne	140	177	Apr-Sept	13.3	19.9	79
Lakefork below Moon Lake(15)	113	145	Apr-Sept	40	55	78
Uinta nr Neola	145	144	Apr-Sept	69	71	101
Whiterocks nr Whiterocks	105	157	Apr-Sept	53	44	67
Yellowstone nr Altonah	130	165	Apr-Sept	45	52	79 *
PRICE RIVER						
Gooseberry Crk nr Scofield	20	159	Apr-Sept	-	8.0	12.6
Price nr Scofield(16)	67	167	Apr-Sept	-	22.9	40
Price nr Heiner(16)	138	197	Apr-Sept	-	29.2	70
SAN RAFAEL RIVER						
Huntington Crk nr Huntington	87	147	Apr-Sept	23.6	34	59
Cottonwood Crk nr Orangeville	87	147	Apr-Sept	28.3	38	59
Ferron Crk nr Ferron	59	137	Apr-Sept	20.8	30	43 *

(14) Observed flow plus diversion through Duchesne Tunnel.
(15) Observed flow plus change in storage in Moon Lake Reservoir.
(16) Observed flow plus change in storage in Scofield Reservoir.
(*) Partly estimated.

STREAMFLOW FORECASTS - APRIL 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
MUDDY RIVER						
Muddy Creek nr Emery	34	147	Apr-Sept	10.7	17.0	23.1*
Ivie Creek abv.div. nr Emery	2.7	150	Apr-Sept	1.8	1.6	1.8*
VIRGIN RIVER						
Virgin at Virgin	92	209	Apr-June	17.1	35	44
GREEN RIVER TRIBUTARIES IN WYOMING (Above Flaming Gorge Reservoir)						
Green at Warren Bridge, Wyo.	418	120	Apr-Sept	221	207	348
New Fork nr Boulder, Wyoming	340	130	Apr-Sept	91	110	260
No. Piney Crk nr Mason, Wyo.	57	139	Apr-Sept	20.4	24.3	41
Big Sandy Crk nr Big Sandy	74	125	Apr-Sept	- -	27	59
Little Sandy Crk nr Elkhorn	19	125	Apr-Sept	- -	7	15
Green nr Fontenelle, Wyo.	1430	145	Apr-Sept	399	438	995
Green nr Green River, Wyo.	1760	147	Apr-Sept	393	456	1200 *
Black's Fork nr Green River, Wyo.	230	110	Apr-Sept	16.4	100	210 *
GREEN RIVER TRIBUTARIES IN COLORADO						
Yampa at Steamboat Springs	350	124	Apr-Sept	190	272	283
Elk at Clark	240	111	Apr-Sept	137	181	215
Little Snake nr Lily	520	149	Apr-Sept	133	258	350
White nr Meeker	420	125	Apr-Sept	214	264	335
COLORADO RIVER (Above Jct. with Green River)						
Colorado nr Granby(17)	340	145	Apr-Sept		282	235
Willow Crk above Willow Crk Res.	65	148	Apr-Sept	- -	53	44
Williams Fork nr Parshall	107	137	Apr-Sept	46	67	78
Blue above Green Mtn. Res.	330	114	Apr-Sept	183	241	290
Colorado at Glenwood Spgs.(18)	2100	136	Apr-Sept		1337	1546
Roaring Fork at Glenwood Spgs.(19)	1225	152	Apr-Sept		682	803
Plateau Crk nr Collbran	66	116	Apr-Sept	16.3	37	57
Surface Crk nr Cedaredge	26	144	Apr-Sept	18.7	22	18
Uncompahgre at Colona	188	130	Apr-Sept	132	136	145
Gunnison nr Grand Jct.	1950	141	Apr-Sept	719	994	1386
Dolores at Dolores	350	125	Apr-Sept	212	259	279

(17) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir.
(18) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir plus Moffat ditch.
(19) Observed flow plus diversion through Twin Lakes Tunnel.
(*) Partly estimated.

STREAMFLOW FORECASTS - APRIL 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
SAN JUAN RIVER						
Piedra nr Piedra	270	145	Apr-Sept	139	203	186
San Juan at Rosa	825	141	Apr-Sept	469	629	587
Los Pinos nr Bayfield(20)	325	148	Apr-Sept	189	203	220
Animas at Durango	640	135	Apr-Sept	393	455	475
Florida nr Durango	75	121	Apr-Sept	- -	60	62
LaPlata at Hesperus	40	143	Apr-Sept	24.1	30	28
COLORADO RIVER -(Main Stem)						
Colorado nr Grand Canyon	* 12,500	155	Apr-July	3843	6120	8056
	* 14,000	153	Apr-Sept	4975	6571	9155

(20) Observed flow plus change in storage in Vallecito reservoir.

(*) These values will have to be corrected for storage in those upstream reservoirs where storage commences for the first time this year. Principal among these is Navajo Reservoir on the San Juan River.

STATUS OF RESERVOIR STORAGE - APRIL 1, 1962

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000s AF	USABLE STORAGE - 1000 ACRE FEET 1962	1961	1960	15-Yr.Av. 1943-57
		GREAT BASIN				
Bear River	Bear Lake	1421.0	547.6	808.9	995.4	848.8
	Woodruff Narrows	26.5	20.0	- -	- -	- -
Little Bear	Hyrum	15.3	13.0	14.6	12.9	11.8
Ogden	Pine View	110.0	40.0	16.0	30.4	9.7
Weber	Rockport	59.1	21.9	17.2	18.1	- -
	Echo	73.9	30.4	34.2	40.8	35.7
	East Canyon	28.7	8.6	7.0	17.2	17.6
Provo	Deer Creek	149.7	51.9	65.1	75.9	84.2
Spanish Fork	Strawberry	270.0	21.9	59.0	109.6	137.6
Utah Lake	Utah Lake	1149.0*	314.2	312.0	519.4	658.0
Sevier River	Otter Creek	52.5	28.2	20.3	30.2	36.7
	Piute	74.0	41.9	22.3	28.9	54.2
	Sevier Bridge	236.0	71.7	49.4	68.8	166.0
Beaver River	Rockyford	23.3	10.1	8.0	8.6	17.0
		COLORADO RIVER BASIN				
Lake Fork	Moon Lake	35.8	26.2	11.4	12.5	15.5
Price River	Scofield	65.8	3.4	3.9	8.0	17.9
Colorado	Granby	465.5	334.4	224.2	216.4	197.5
Blue	Green Mtn.	146.9	38.9	60.2	57.6	57.7
Gunnison	Taylor Park	106.2	82.0	34.0	49.9	62.2
Dolores	Groundhog	21.7	6.0	5.0	3.5	7.0
San Juan	Vallecito	126.3	64.0	44.3	44.3	40.7
Little Colorado	Lyman	30.6	5.5	6.8	16.7	6.8
Colorado	Lake Mead	27207.0	18041.0	18212.0	19180.0	16438.0
Colorado	Lake Mohave	1810.0	1707.0	1684.0	1568.0	1491.8**
Colorado	Lake Havasu	619.4	557.3	570.7	547.0	582.8
Gila	San Carlos	1206.0	154.4	0.3	214.7	107.9
Salt	Roosevelt	1382.0	773.7	816.9	1021.9	471.7
Salt	Apache	245.0	230.9	213.1	235.4	209.7
Salt	Canyon	58.0	54.0	45.3	57.7	46.3
Salt	Saguaro	70.0	63.9	63.2	65.9	49.6
Verde	Horseshoe	142.8	35.9	16.3	75.9	30.6
Verde	Bartlett	179.5	68.7	29.4	145.0	70.9
Agua Fria	Lake Pleasant	163.8	18.1	26.6	49.7	29.8

* - Active capacity taken at 3.1 feet above compromise point.

** - Less than 15 years of record in the 1943-57 period.

AVAILABLE SOIL MOISTURE

April 1, 1962

DRAINAGE BASIN & STATION	Station No.	Elev.	Soil Profile in Inches Depth	Soil Profile in Inches Cap.	Date	Soil Moisture Content in Inches about Apr. 1 1962	1961	1960	Average **
COLORADO STATIONS									
ROARING FORK									
Placita	7K7*	8800	48	8.0	4/1	5.8	0.1	2.2	4.2
Maroon	6K25*	8400	48	8.0	4/1	7.2	0.1	1.8	1.6
UPPER COLORADO									
Vail	6K5*	9200	48	8.0	4/1	6.0 e	0.8	5.9	3.7
Ranch Creek	5K18M	9400	48	7.0	4/1	5.5	1.8	4.3	3.0
Berthoud Pass	5K20M	9800	48	8.0	4/1	6.8	4.0	3.0	2.9
Gore	5J15*	8900	48	7.0	4/1	6.3	0.5	0.7	3.9
Blue River	6K21M	10500	48	7.0	4/1	5.7	0.1	2.4	1.5
King	6L9*	10500	48	8.0	4/1	5.1	2.7	2.6	3.9
DOLORES									
Lizard Head	7M3M	10300	48	7.0	4/1	5.4	4.4	3.6	3.6
Dolores	8M1*	7500	48	7.0	4/1	2.6	4.8	3.2	1.8
Rico	7M1M	8700	48	7.0	4/1	4.9	3.9	3.3	2.9
SAN JUAN									
Mineral Creek	7M14M	10300	48	7.0	4/1	4.8	- -	5.0	4.2
Molas Lake	7M12M	10500	48	7.0	4/1	2.2	- -	1.3	2.7
Cascade	7M5M	8850	48	7.0	4/1	5.0	- -	5.3	5.6

* - Indicates soil moisture station only

M - Indicates soil moisture station on snow course

** - Average of all past record

e - Estimated Value

COMPARATIVE SNOW DATA

Summary of Snow Survey Data by Tributary Watersheds as of April 1, 1962

TRIBUTARY BASINS	No. of Courses Averaged	1962 Snow Water Expressed as Percent of 1961	1960	& 1943-57 Av.
GREAT BASIN				
Bear River South of Evanston, Wyo.	4	185	177	108
Smith's Fork - Bear River (Wyo)	5	199	161	121
Emigration Creek (Idaho)	2	207	140	110
Strawberry-Mink Creeks(Ida)	3	162	143	107
Cub River (Ida)	3	183	149	121
Logan River	6	169	143	115
Blacksmith Fork-Little Bear	5	183	150	118
Malad River (Idaho)	2	225	150	158
Ogden River	7	324	134	121
Weber River above Echo Dam	8	182	166	112
Chalk Creek - Coalville	3	142	187	107
East Canyon Creek	3	150	141	106
Farmington Creek	2	154	136	124
Salt Lake Area	4	152	139	105
Tooele Area	3	135	121	115
American Fork River	3	288	170	112
Provo River above Vivian Park	6	220	176	114
Strawberry Reservoir Valley	3	203	186	122
Hobble Creek	2	224	184	136
Mt. Nebo Area	2	181	120	113
Sevier River above Panguitch	6	234	252	138
East Fork Sevier River	4	135	167	120
Clear Creek above Sevier	1	150	115	105
Salina Creek	2	135	108	115
San Pitch River	6	188	156	134
Mt. Pleasant Area	3	301	156	135
Ephraim Area	2	169	157	133
Manti Area	2	166	152	136
Mayfield Area	2	187	147	135
Chicken Creek-Levan	1	232	144	154
Chalk Creek - Fillmore	3	131	117	112
Beaver River	3	181	171	122
Parowan Creek	3	144	189	138
Coal Creek - Cedar City	4	228	227	145
COLORADO RIVER BASIN IN UTAH				
Duchesne River above Tabiona	3	204	165	113
Strawberry River	4	224	224	133
Lakefork River	2	389	298	157
Whiterocks-Uintah Rivers	3	240	312	144
Ashley - Brush Creeks	4	282	299	142
Price River	8	225	211	141
San Rafael Tributaries	6	192	156	132
Muddy River	2	229	140	114
Fremont River	5	114	113	112
Escalante River	2	119	213	130
Virgin River	4	286	278	151
LaSal Mtns. near Moab	2	174	99	101
Blue Mtns. nr Monticello	2	201	89	103

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GREAT BASIN DRAINAGE								
UPPER BEAR RIVER (Above Harer, Idaho)								
Big Park	10G11	8700	3/31	71	26.7	14.1	15.8	20.6*
CCC Camp x	10G7	7500	3/29	40	11.5	6.9	9.6	12.3
Burts-Miller Ranch b	10J6	7900	3/30	22	6.9	4.4	3.4	6.1
Hayden Fork	10J7	9300	3/30	60	21.3	8.9	- -	18.3*
Kelly Ranger Station	10G12	8200	3/31	66	24.7	11.4	15.0	18.1*
Monte Cristo R.S.	11H12	8960	3/29	83	33.0	17.9	19.9	27.9
Piney LaBarge x	10G10	8820	3/29	70	26.3	11.6	13.6	20.5
Poison Meadows x	10G6	8500	3/29	103	39.6	21.4	23.3	29.8*
Salt River Summit x	10G8	7900	3/29	55	19.4	10.0	12.3	16.1*
Stillwater Camp	10J17	8550	3/30	41	12.3	7.3	8.8	13.5*
Trial Lake x	10J8	9800	3/29	86	31.2	16.0	21.7	29.1
LOWER BEAR RIVER (Below Harer, Idaho)								
Beaver Crk-Skunk Crk.	11H14	7150	3/29	39	14.2	7.9	10.2	13.7*
Christensen Ranch	11G11	5600	3/29	26	9.9	4.4	7.6	8.7*
Cub River R.S.	11G12	5400	3/30	24	10.0	4.6	6.7	7.4*
Dry Basin a	11G13	7900	3/31-8 ft.marker covered			23.7	- -	- -
Dry Bread Pond x	11H13	8230	3/29	60	23.3	11.8	15.5	20.0
Dry Creek Flat	12G4	6350	3/30	22	7.6	0.0	4.2	3.7*
Emigrant Summit	11G6	7350	3/28	72	27.2	17.0	18.4	25.7
Emigration Canyon(mouth)	11G7	6500	3/28	35	12.2	4.8	9.2	10.7*
Franklin Basin R.S.	11G8	8200	3/27	84	32.0	21.0	22.1	29.2
Garden City Summit	11H7	7600	3/27	65	23.4	12.9	14.0	20.3
Horseshoe Basin a	11G14	8000	3/31	85	32.1	24.3	- -	- -
Klondike Narrows	11H1	7400	3/27	61	22.8	15.2	18.0	20.0*
Liberty Springs	11G15	8420	3/28	109	43.2	29.6	32.9	- -
Little Bear(lower)	11H26	6100	3/30	32	13.2	7.4	9.9	9.0*
Little Bear(upper)	11H25	6850	3/30	43	16.7	9.7	13.3	12.0*
Monte Cristo R.S.	11H12	8960	3/29	83	33.0	17.9	19.9	27.9
Oxford Mountain	12G3	6800	3/30	25	9.0	4.0	7.6	8.2*
Slug Creek Divide	11G5	7225	3/27	53	19.2	10.9	12.8	16.8
Steep Hollow #1	11H27	8500	3/27	107	42.0	26.0	- -	- -
Steep Hollow #2	11H28	7700	3/27	80	30.8	18.8	22.2	- -
Strawberry Creek	11G9	5800	3/29	39	13.4	7.6	9.9	12.4*
Strawberry Mink Divide	11G10	6800	3/29	62	24.6	16.4	16.8	23.3*
Tony Grove R.S.	11H3	6250	3/27	37	12.8	6.3	9.2	10.5*
Willow Flat	11G4	6100	3/30	44	17.6	9.7	11.4	15.1*

x - Adjacent Drainage
* - 1943-57 Adjusted Average
a - Aerial marker, water content estimated.
b - Formerly called Goodman Ranch

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
OGDEN RIVER								
Beaver Crk-Skunk Crk	11H14	7150	3/29	39	14.2	7.9	10.2	13.7*
Ben Lomond(lower)	11H9	5850	4/2	46	18.8	10.6	19.8	15.0*
Ben Lomond Peak	11H8	8000	4/2	112	49.6	24.4	36.3	36.0*
Dry Bread Pond	11H13	8230	3/29	60	23.3	11.8	15.5	20.0
Monte Cristo R. S. x	11H12	8960	3/29	83	33.0	17.9	19.9	27.9
Mt. Ogden	11H10	8600	3/31	93	38.2	21.9	30.2	30.5*
Sagebrush Flat	11H15	6300	3/29	11	4.6	0.0	T	1.4*
Snow Basin	11H11	6420	3/31	48	18.4	8.4	15.0	14.9*
WEBER RIVER								
Beaver Creek R. S.	11J24	7500	3/29	32	11.1	5.6	4.6	9.3
Chalk Creek #1	11J1	9100	3/27	78	26.3	16.4	16.9	25.7*
Chalk Creek #2	11J2	8000	3/27	52	16.5	11.6	9.9	16.2*
Chalk Creek #3	11J3	7500	3/27	28	9.0	7.2	3.8	7.6*
Lamb's Canyon	11J14	6600	3/27	51	16.1	11.8	11.6	15.6
Parley's Canyon Smt.	11J15	7500	3/31	54	20.1	14.9	15.7	19.0
Redden Mine(lower)	11J6	8500	3/26	71	24.7	10.7	15.3	21.0
Redden Mine(upper)	11J5	9000	3/26	75	26.4	12.7	15.6	22.1
Silver Lake x	11J16	8725	3/29	84	31.0	17.4	19.6	28.7
Smith & Morehouse	11J4	7600	3/28	46	16.1	9.1	8.5	14.1
Trial Lake x	10J8	9800	3/29	86	31.2	16.0	21.7	29.1
PROVO RIVER & UTAH LAKE								
Camp Altamont	11J20	7300	3/30	50	21.8	6.8	11.5	18.3
Clear Creek Ridge #1	11K21	9200	3/29	64	23.9	10.4	14.6	18.9*
Clear Creek Ridge #2	11K22	8000	3/29	52	17.4	8.4	10.6	15.0*
Clear Creek Ridge #3	11K23	6600	3/29	30	10.8	2.8	2.6	6.7*
Daniels-Strawberry Smt.	11J23	8000	3/29	56	20.8	9.6	11.1	16.4
Dutchman R.S.	11J17	7500	3/30	54	22.3	8.4	14.2	20.2
East Portal	11J7	7560	3/28	49	17.0	8.2	8.0	13.1
Hobble Creek Summit	11J22	7300	3/26	56	18.9	8.6	10.8	14.8
Packard Canyon	11J31	6400	3/26	40	15.0	6.6	7.8	10.5*
Payson R.S.	11K1	8050	3/28	60	22.0	11.6	17.8	19.1*
Rock Bridge	11K2	6750	3/28	41	14.8	8.6	12.7	13.3*
Soapstone R.S.	11J25	7800	3/29	45	14.7	7.4	9.0	14.0
South Fork R.S.	11J19	6100	3/26	13	5.0	0.0	2.6	4.8
Strawberry Divide	11J8	8000	3/28	64	23.9	12.9	15.0	22.1
Timpanogos Cave Camp	11J18	5500	3/26	9	3.1	0.0	0.0	2.2
Timpanogos Divide	11J21	8140	3/30	76	30.2	10.8	18.5	28.0
Trial Lake	10J8	9800	3/29	86	31.2	16.0	21.7	29.1

x - Adjacent Drainage
* - 1943-57 Adjusted Average

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JORDAN RIVER & GREAT SALT LAKE								
Bevans Cabin	12J2	6450	3/27	36	12.7	10.5	11.3	12.4*
Farmington Canyon(lower)	11J12	6950	3/29	80	29.9	21.1	22.6	24.6*
Farmington Canyon(upper)	11J11	8000	3/29	94	35.9	21.6	25.4	28.6*
Lamb's Canyon	11J14	6600	3/27	51	16.1	11.8	11.6	15.6
Middle Canyon	12J3	7000	3/28	42	15.3	12.6	11.6	13.5*
Mill D. South Fork	11J10	7400	3/29	60	21.5	13.6	16.4	20.8
Parley's Canyon Smt. x	11J15	7500	3/31	54	20.1	14.9	15.7	19.0
Rocky Basin-Settlmt.Cyn.	12J1	8900	3/27	87	31.8	19.6	26.4	24.4*
Silver Lake	11J16	8725	3/29	84	31.0	17.4	19.6	28.7
UPPER SEVIER RIVER (South of Richfield, Utah)								
Big Flat x	12L7	10000	3/26	72	22.3	15.8	16.8	20.0
Box Creek	12L4	9800	3/28	51	15.8	9.4	12.2	15.0*
Bryce Canyon	12M8	8000	3/28	20	6.3	0.7	1.0	4.0
Castle Valley	12M13	9700	3/31	54	20.0	12.4	10.8	14.0*
Cedar Breaks	12M1	10390	3/30	85	33.4	18.2	15.4	24.0
Duck Creek R.S.	12M4	8560	3/26	73	24.8	8.9	8.2	15.9
Fish Lake	11L3	8700	3/27	34	9.5	0.0	8.4	8.3
Harris Flat R.S.	12M5	7700	3/26	42	14.4	3.5	3.4	8.5
Kimberly Mine	12L6	8900	3/28	54	18.2	12.1	15.8	17.4
Long Valley Jnct. x	12M6	7500	3/26	19	7.1	0.6	0.0	4.2
Midway Valley	12M2	9800	3/30	87	33.0	17.8	17.0	25.2*
Panguitch Lake	12M7	8200	3/31	13	4.6	2.5	2.4	5.1
Squaw Springs	12L5	9300	3/28	32	9.2	3.8	7.0	9.2*
Widtsoe-Escalante Smt.	11M1	9500	3/30	33	10.8	8.4	3.9	7.5
Widtsoe-Escalante #2	11M2	9500	3/30	41	12.1	11.1	8.2	10.4*
Widtsoe-Escalante #3	11M3	9500	3/30	46	14.2	14.4	9.6	- -
LOWER SEVIER RIVER (Including San Pitch River)								
Bear Canyon	12L3	7200	3/30	39	12.6	8.1	12.1	10.4*
Beaver Dams	11K13	8000	3/27	50	18.0	9.7	12.4	12.8*
Farnsworth Lake	11L1	9900	3/29	65	20.8	15.0	19.3	18.7*
G.B.R.C. Headquarters	11K11	8700	3/30	65	24.9	14.3	14.0	17.2
G.B.R.C Meadows	11K10	10000	3/30	88	31.3	19.2	23.0	26.0
Gooseberry R. S.	11L2	8400	3/29	42	13.6	10.4	12.6	11.5
Gooseberry Reservoir x	11K4	8700	3/28	71	26.7	13.6	17.1	20.2
Huntington-Horseshoe x	11K5	9800	3/28	87	33.6	17.9	23.5	24.5

x - Adjacent Drainage

* - 1943-57 Adjusted Average

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DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
LOWER SEVIER - Continued								
Mammoth R.S.-Cottonwd.Crk	11K3	8800	3/28	74	29.2	13.3	17.2	21.3
Middle Fork	11K34	9600	3/26	95	32.7	19.6	22.2	24.0*
Mt. Baldy R.S.	11K12	9500	3/27	88	31.3	16.7	21.2	24.2*
Pine Creek	12L1	8700	3/29	54	18.8	12.6	16.1	16.5*
Rees' Flat	11K36	7300	3/23	63	19.5	8.4	13.5	12.7*
Shingle Mill	12L11	6200	3/30	38	13.5	9.2	10.3	- -
Thistle Flat	11K35	8500	3/26	68	22.4	13.5	14.3	16.5*
BEAVER RIVER								
Big Flat	12L7	10000	3/26	72	22.3	15.8	16.8	20.0
Merchant's Valley	12L9	8200	3/26	48	15.3	7.4	7.4	11.1
Otter Lake	12L8	9300	3/26	62	19.2	9.9	11.1	16.6
PAROWAN CREEK								
Ed Ward Flat	12M12	8300	3/27	34	11.8	9.8	6.4	7.9*
Yankee Reservoir	12M11	8700	3/27	45	13.9	10.8	8.4	11.0*
COAL CREEK								
Cedar Breaks	12M1	10390	3/30	85	33.4	18.2	15.4	24.0
Midway Valley x	12M2	9800	3/30	87	33.0	17.8	17.0	25.2*
Urie Flat	12M10	8450	3/30	33	11.8	4.3	3.9	7.3*
Webster Flat	12M3	9200	3/28	71	26.8	9.9	13.8	18.1
ENTERPRISE TO NEW HARMONY DRAINAGE								
Little Grassy Creek	13M4	6100	3/29	8	3.1	0.0	0.0	- -
Long Flat	13M2	8000	3/29	26	9.8	5.5	3.2	6.4*
COLORADO RIVER DRAINAGE								
COLORADO RIVER DRAINAGES IN UTAH								
BRUSH CREEK								
King's Cabin(lower)	9J2	8600	3/22	55	14.4	4.9	5.4	10.5
King's Cabin(upper)	9J1	8730	3/22	63	17.3	5.3	6.2	12.0
DUCHESNE RIVER								
Ashley Twin Lakes a	9J11	10500	3/31	90	27.0	New Aerial Marker		
Atwood Basin a	10J27	10250	No Report			New Aerial Marker		
Chepeta-Whiterocks a	9J9	10300	No Report			New Aerial Marker		

x - Adjacent Drainage

a - Aerial marker, water content estimated

* - 1943-57 Adjusted Average

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DUCHESNE RIVER - Continued								
Brown Duck Lake	10J9	10300	4/2	64	22.2	9.0	11.7	19.7*
Currant Creek	11J32	7800	3/30	45	13.9	0.8	8.2	10.0*
Daniels-Strawberry Smt.	11J23	8000	3/29	56	20.8	9.6	11.1	16.4
East Portal x	11J7	7560	3/28	49	17.0	8.2	8.0	13.1
Five Point Lakes a	10J26	11000		No Report		New Aerial Marker		
Indian Canyon	10K1	9100	3/26	63	20.1	7.9	7.4	13.1
Jackson Park	10J19	11300	3/21	65	20.2	8.7	8.8	15.6*
Julius Park	9J6	9800	3/26	69	22.0	10.3	7.7	- -
Lakefork Basin a	10J25	11100		No Report		New Aerial Marker		
Lakefork Mountain	10J10	10500	3/27	62	18.6	7.2	8.2	13.6
Lakefork Mountain #2	10J11	8900	3/27	51	15.5	3.7	4.2	8.8*
Lakefork Mountain #3	10J12	8100	3/27	44	13.2	2.1	4.2	6.4*
Mosby Mountain	9J5	9500	3/26	61	18.2	6.2	5.1	12.7
Paradise Park	9J3	10100	3/26	66	21.0	9.9	7.2	14.5
Rock Creek	10J18	7900	3/28	38	12.1	1.7	5.0	7.2*
Soapstone R.S. x	11J25	7800	3/29	45	14.7	7.4	9.0	14.0
Strawberry Divide x	11J8	8000	3/28	64	23.9	12.9	15.0	22.1
Trial Lake x	10J8	9800	3/29	86	31.2	16.0	21.7	29.1
White River #1 x	10K2	8600	3/29	53	18.4	8.4	8.2	14.9*
Windy Park a	9J12	9400	3/31	60	17.0	New Aerial Marker		
PRICE RIVER								
Corral	10K5	8200	4/2	40	14.0	5.3	4.6	8.6*
Dry Valley Divide	11K8	7800	3/28	46	16.2	5.8	8.0	11.7
Gooseberry Reservoir	11K4	8700	3/28	71	26.7	13.6	17.1	20.2
Grassy Trail Crk-Left Fk.	10K3	7970	4/2	47	16.8	5.6	8.4	10.1*
Huntington Horseshoe x	11K5	9800	3/28	87	33.6	17.9	23.5	24.5
Indian Canyon x	10K1	9100	3/26	63	20.1	7.9	7.4	13.1
Mammoth R.S.-Cottonwd.Crk.	11K3	8800	3/28	74	29.2	13.3	17.2	21.3
Mud Creek #2	11K33	8300	3/28	54	17.7	9.7	8.0	14.2*
Jones Ranch b	11K7	7600	3/28	32	11.4	4.4	3.8	6.2
White River #1	10K2	8600	3/29	53	18.4	8.4	8.2	14.9*
White River #2	11K24	7600	3/29	37	11.6	4.9	6.4	9.0*
White River #3	11K25	7400	3/29	32	10.8	4.3	7.4	9.1*
SAN RAFAEL RIVER								
Buck Flat	11K31	9400	3/26	66	22.2	12.2	15.8	16.4*
Gooseberry Reservoir x	11K4	8700	3/28	71	26.7	13.6	17.1	20.2
Huntington-Horseshoe	11K5	9800	3/28	87	33.6	17.9	23.5	24.5

x - Adjacent Drainage

a - Aerial marker, water content estimated

* - 1943-57 Adjusted Average

b - Formerly called Staley Ranch

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SAN RAFAEL RIVER - Continued								
Red Pine Ridge	11K28	9400	3/27	67	22.7	12.2	15.7	19.1*
Rush Pond	11K38	9800	3/26	63	20.8	9.9	12.6	15.1*
Seely Creek R.S.	11K9	10000	3/30	63	23.2	12.5	14.9	15.8
Stuart R.S.	11K27	7950	3/28	40	13.1	2.9	4.2	8.2*
Switchback	11K26	8600	3/28	63	22.4	10.6	11.4	18.3*
Upper Joe's Valley	11K29	8800	3/27	46	14.6	7.4	8.9	10.5*
Wrigley Creek	11K32	9000	3/26	52	16.0	7.6	11.8	11.0*
MUDDY RIVER								
Black's Fork	11K14	9200	3/20	56	18.1	8.6	13.2	16.5*
Dill's Camp	11K15	9200	3/20	51	16.4	6.6	11.4	14.0*
Mt. Baldy R.S. x	11K12	9500	3/27	88	31.3	16.7	21.2	24.2*
FREMONT RIVER								
Black's Flat-U.M.Crk.	11L4	9250	3/27	47	12.6	7.2	11.8	10.3*
Donkey Reservoir	11L5	9800	3/27	35	9.3	11.6	7.0	9.0*
Farnsworth Lake x	11L1	9900	3/29	65	20.8	15.0	19.3	18.7*
Fish Lake	11L3	8700	3/27	34	9.5	0.0	8.4	8.3
Johnson Valley	11L6	8850	3/27	33	8.8	5.0	8.5	8.0*
ESCALANTE RIVER								
Widtsoe-Escalante Smt.	11M1	9500	3/30	33	10.8	8.4	3.9	7.5
Widtsoe-Escalante #2	11M2	9500	3/30	41	12.1	11.1	8.2	10.4*
Widtsoe-Escalante #3	11M3	9500	3/30	46	14.2	14.4	9.6	- -
VIRGIN RIVER								
Cedar Breaks x	12M1	10390	3/30	85	33.4	18.2	15.4	24.0
Duck Creek R.S.	12M4	8560	3/26	73	24.8	8.9	8.2	15.9
Harris Flat R.S.	12M5	7700	3/26	42	14.4	3.5	3.4	8.5
Long Valley Junction	12M6	7500	3/26	19	7.1	0.6	0.0	4.2
Midway Valley x	12M2	9800	3/30	87	33.0	17.8	17.0	25.2*
Webster Flat	12M3	9200	3/28	71	26.8	9.9	13.8	18.1
SOUTHEASTERN UTAH DRAINAGES								
Buckboard Flat	9M1	9000	3/21	53	15.9	7.9	16.9	14.9
Camp Jackson	9M2	8600	3/21	47	13.7	6.8	16.3	13.9*
LaSal Mountain	9L1	8800	3/22	42	11.9	7.3	11.5	11.0
LaSal Mountain(upper)	9L2	9400	3/22	60	17.8	9.6	19.0	19.0*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

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GREEN RIVER (Above Green River, Wyoming)								
Big Sandy Opening	9G8	9220	3/29	59	15.2	11.0	- -	- -
Blind Bull Summit a	10G2	8750	3/29	87	34.0 a	21.0a	20.0a	30.9
Dutch Joe R. S.	9G5	8700	3/28	46	12.7	7.8	5.5	8.9*
East Rim Divide	10F17	7950	3/26	51	14.4	6.6	7.6	12.4
Grennier Meadows	8G4	9000	3/24	60	16.4	8.4	11.1	16.1
Gros Ventre Summit a	10F19	8750	4/1	57	17.1	9.8	8.9	13.7*
Kendall R. S. #1	10F15	7900	3/31	47	14.3	7.3	7.6	11.9
Loomis Park #1	10F16	8500	3/30	65	22.2	10.8	12.8	19.4
Mulligan Park	9G1	8900	3/27	51	14.4	7.7	6.7	11.5
Piney-LaBarge #1	10G10	8820	3/29	70	26.3	11.6	13.6	20.5
Poison Meadows x a	10G6	8500	3/29	103	39.6	21.4	23.3	29.8*
Snyder Basin R.S.#2	10G13	8040	3/29	59	20.8	8.4	11.5	16.4
Soda Lake	10G14	8300	3/28	60	20.6	12.9	12.9	20.6*
South Pass x	8G3	9000	3/24	59	16.9	8.7	10.2	16.4
Triple Peaks	10G15	8500	3/28	80	31.4	19.3	19.2	32.0*
GREEN RIVER (Green River, Wyo. to Flaming Gorge, Utah)								
Big Park	10G11	8700	3/31	71	26.7	14.1	15.8	20.6*
Black's Fork Jct.	10J22	8925	3/22	44	11.1	7.4	- -	- -
Buck Pasture a	10J23	9700		No Report		New Aerial Marker		
East Fk.Black's Fk.G.S.	10J21	9300	3/21	44	12.1	6.4	- -	- -
Henry's Fork a	10J24	10200		No Report		New Aerial Marker		
Hewinta G.S.	10J4	9500	3/21	42	10.8	7.6	8.8	10.5
Hickerson Park	9J8	9100	3/23	45	10.6	6.4	- -	- -
Hole-in-the-Rock	10J1	9150	3/23	40	8.1	6.9	4.8	6.5
Hole-in-the-Rock R.S.	10J3	8300	3/23	19	4.2	2.8	1.2	1.8*
Kelly R. S.	10G12	8200	3/31	66	24.7	11.4	15.0	18.1*
Middle Beaver Creek	10J2	8550	3/23	34	7.3	6.1	4.2	5.7*
Old Battle x	6H10	9800	3/30	94	35.4	23.7	27.8	33.3
Spirit Lake	9J7	10300	3/23	77	20.2	14.0	- -	- -
Steel Creek Park	10J20	9900	3/22	53	14.4	New Course		
YAMPA RIVER								
Bear River	7J3	9100	3/27	49	14.7	7.1	9.5	- -
Clark	6J13	7800	3/29	45	14.9	7.0	8.9	- -
Columbine Lodge x	6J3	9300	3/26	78	30.0	17.2	21.5	24.7
Dry Lake	6J1	8200	3/26	68	24.9	13.7	20.9	21.0
Elk River	6J4	8700	3/28	59	21.3	12.8	14.5	18.2
Lynx Pass x	6J6	9100	3/28	54	19.2	8.9	10.5	12.7

x - Adjacent Drainage

* - 1943-57 Adjusted Average

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YAMPA RIVER - Continued								
Old Battle x	6H10	9800	3/30	94	35.4	23.7	27.8	33.3
Rabbit Ears	6J9	9550	3/26	86	32.2	19.5	30.9	28.5*
Yampa View	6J10	8500	3/26	52	18.2	9.9	16.0	15.5*
WHITE RIVER								
Burro Mountain	7K2	9000	3/26	66	28.5	13.0	15.9	18.6
Rio Blanco	7J1	8500	3/28	50	17.8	11.8	17.4	16.7
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.)								
Arrow	5K6	9900	3/29	49	14.2	9.7	13.1	11.6
Berthoud Pass	5K3	9700	3/30	56	18.7	11.9	15.9	15.0
Berthoud Summit	5K14	11300	3/30	66	22.1	18.2	21.6	18.8*
Blue River	6K21	10500	3/30	36	9.9	5.4	8.6	- -
`ameron Pass x	5J1	10300	3/29	99	38.9	22.3	29.2	24.9
Cooper Hill x	6K23	10800	3/24	58	14.1	8.6	17.4	- -
Fiddler Gulch	6K5	11000	3/30	59	18.8	11.3	19.1	17.2
Fremont Pass	6K8	11400	3/28	66	21.1	14.3	19.6	16.9
Frisco	6K13	9300	3/29	33	8.2	5.7	6.5	8.7*
Glen-Mar Ranch	6K20	8850	3/28	38	11.1	7.3	6.1	8.6*
Gore Pass	6J11	8900	3/28	43	14.7	6.6	8.4	10.9*
Granby	5J16	8700	3/28	32	9.5	4.4	7.2	7.6*
Grand Lake	5J19	8600	3/26	41	10.8	4.6	6.8	8.9*
Grizzly Peak	5K9	11250	3/27	64	21.3	16.3	22.5	18.9
Hoosier Pass x	6K1	11400	3/30	49	15.3	10.4	14.0	13.1
Jones Pass	5K21	10400	3/28	52	17.3	12.6	16.4	- -
Lake Irene	5J10	10600	3/27	74	31.7	14.1	19.9	22.9
Lapland	5K7	9300		No Report		5.5	8.0	12.1
Lulu	5J7	10200	3/30	69	25.3	10.5	18.6	17.6
Lynx Pass	6J6	9100	3/28	54	19.2	8.9	10.5	12.7
Middle Fork Camp Ground	5K4	9000	3/28	36	11.0	8.2	9.4	9.7
Milner Pass	5J24	10100	3/27	51	17.2	8.4	15.0	12.9*
Monarch Lake	5J14	8500	3/29	43	10.7	6.8	9.8	10.8*
N.Inlet Grand Lake	5J9	9000	3/29	36	9.5	5.3	8.0	10.3
Pando	6K19	9500	3/28	36	11.0	8.7	11.2	11.3*
Phantom Valley	5J4	9300	3/27	40	13.2	6.8	11.6	10.8
Ranch Creek	5K18	9400	3/29	42	10.9	6.9	10.3	- -
Shrine Pass	6K9	10500	3/28	66	19.8	13.3	20.4	18.3
Snake River	5K16	9700	3/29	35	8.6	4.6	7.4	9.2*
`ummit Ranch	6K14	10000	3/29	30	8.0	5.7	5.8	9.3*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
UPPER COLORADO RIVER - Continued								
Tennessee Pass x	6K2	10200	3/28	45	12.8	8.6	11.2	10.0
Vail Pass	6K15	10000	3/28	64	23.5	10.8	16.2	18.5*
Vasquez Creek	5K19	9600	3/29	50	15.2	9.2	15.2	- -
Willow Creek Pass	6J5	9500	3/28	54	18.0	9.8	14.4	13.6
ROARING FORK								
Aspen	6K22	9700	3/26	68	22.4	10.1	19.6	- -
Ind. Pass Tunnel	6K4	10200	3/30	69	26.5	10.9	19.9	18.7
Ivanhoe	6K10	10400	3/26	69	23.1	10.9	17.5	18.3*
Lift	7K10	11250	3/26	81	30.3	16.6	15.6	- -
Nast	6K6	8700	3/28	30	6.1	2.8	3.3	6.1
North Lost Trail	7K1	9200	3/28	56	26.2	10.3	12.7	15.7
PLATEAU CREEK								
Mesa Lakes	7K4	10000	3/28	59	20.4	13.6	20.5	17.4
Trickle Divide	7K5	10000	3/28	99	37.4	22.6	26.8	28.9
GUNNISON RIVER								
Alexander Lake	7K3	10000	3/28	89	31.0	18.7	22.0	22.8
Blue Mesa	7L2	8700	3/29	38	10.2	7.2	8.7	- -
Cochetopa Pass x	6L6	10000	3/26	28	5.7	6.2	6.5	5.4*
Crested Butte	6L1	9000	3/27	55	19.8	11.1	10.4	15.3
Ironton Park	7M6	9800	3/29	48	14.2	13.0	14.3	13.1
Lake City	7M8	10300	3/28	40	9.4	6.9	9.3	8.6*
McClure Pass	7K8	9500	3/28	60	26.9	9.6	15.3	15.8*
Park Cone	6L2	9700	3/23	56	16.3	8.1	10.3	12.3
Park Reservoir	7K6	9500	3/28	94	34.8	20.3	23.4	26.8
Porphyry Creek	6L3	10700	3/28	64	22.1	15.8	20.2	17.1
Red Mountain Pass	7M15	11000	3/30	104	39.0	29.6	36.3	30.3*
Trickle Divide x	7K5	10000	3/28	99	37.4	22.6	26.8	28.9
DOLORES RIVER								
Lizard Head	7M3	10300	3/28	66	21.9	14.9	18.2	17.6
Rico	7M1	8700	3/28	31	10.2	6.0	9.2	7.7
Telluride x	7M2	8600	3/28	26	7.3	7.2	4.5	6.8
Trout Lake	7M9	9700	3/28	55	15.5	11.0	17.0	13.2*
SAN JUAN RIVER								
Cascade	7M5	8850	3/30	47	15.8	11.4	13.0	12.1
Chama Divide x	6N2	7750	3/30	10	3.5	1.5	1.6	1.7

x - Adjacent Drainage
* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
SAN JUAN RIVER - Continued								
Chamita x	6N3	8500	3/30	37	10.5	8.5	9.7	8.5
Howardville	7M13	9800	3/30	50	14.9	- -	14.8	11.4*
Ironton Park x	7M6	9800	3/29	48	14.2	13.0	14.3	13.1
Mineral Creek	7M14	10300	3/30	58	17.7	13.4	18.1	14.1*
Molas Lake	7M12	10500	3/30	55	18.8	10.4	14.3	13.7*
Red Mountain Pass x	7M15	11000	3/30	104	39.0	29.6	36.3	30.3*
Silverton Sub-Station	7M4	9400	3/30	33	8.9	5.9	8.8	5.1
Spud Mountain	7M11	10700	3/30	87	30.7	21.8	25.8	24.3*
Upper San Juan	6M3	10000	3/28	108	40.8	26.5	33.2	33.9
Wolf Creek Pass x	6M1	10000	3/28	96	40.8	19.5	32.5	30.5
Wolf Creek Summit	6M17	11000	3/28	111	38.1	24.7	37.9	29.5*
LITTLE COLORADO RIVER								
Baldy	9S1	9125	3/28	47	17.4	4.9	6.1	4.2*
Canyon Creek #2	10R7	7500	3/29	19	6.7	0.9	T	- -
Forest Dale	10R6	6430	3/30	0	0.0	0.4	0.0	0.0
Ft. Apache	9R5	9160	3/28	48	16.9	5.1	7.6	5.6*
Fort Valley	11P2	7350	3/30	14	4.6	2.3	0.0	1.4*
Gentry	10R5	7600	3/29	14	5.3	1.3	0.0	0.8*
Happy Jack x	11R5	7630	3/30	18	7.3	2.2	0.0	2.7*
Heber	10R4	7600	3/29	18	6.4	1.8	0.9	1.2*
McNary	9R2	7200	3/30	11	3.2	1.0	0.0	0.2
Mormon Lake	11R4	7350	3/30	19	7.5	2.1	0.0	3.7*
Mormon Mountain	11R3	7500	3/30	29	11.6	2.5	T	5.4*
Nutrioso	9S4	8500	3/30	5	1.9	0.0	0.0	0.5*
LOWER COLORADO								
Bright Angel	12N1	8400	3/28	37	13.8	- -	- -	10.4*
Chalender x	12P1	7100	3/30	12	4.2	0.9	0.0	1.6*
Fort Valley	11P2	7350	3/30	14	4.6	2.3	0.0	1.4*
Grand Canyon	11P1	7500	3/31	3	1.2	2.1	0.0	1.4*
WILLIAMS RIVER								
Camp Wood x	12R1	5700	4/2	0	0.0	0.0	0.0	0.0*
Iron Springs	12R2	6200	3/26	0	0.0	0.5	0.0	0.0*
Willow Ranch	13P1	5000	3/30	0	0.0	0.0	0.0	0.0*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GILA RIVER								
Bear Wallow	10T1	8100	3/31	32	13.3	1.1	10.5	1.3*
Beaver Head	9S6	8000	3/31	11	4.3	0.4	0.6	0.8
Coronado Trail	9S7	8000	3/30	2	0.9	0.0	0.0	1.1
Frisco Divide	8S1	8000	3/30	4	1.3	0.0	0.0	0.5
Ice King	8S6	8000	4/1	34	13.2	5.2	- -	- -
Inman	7S2	7800	3/29	0	0.0	T	0.0	0.0*
Mogollon	8S2	7000	4/1	T	T	0.5	0.0	0.3*
Nutrioso	9S4	8500	3/30	5	1.9	0.0	0.0	0.5
Redstone Trail	8S7	8600	4/1	34	14.0	5.7	- -	- -
Rose Canyon	10T2	7300	3/31	13	5.5	0.6	0.0	0.2*
State Line	9S8	8000	3/30	2	0.8	0.0	0.0	0.5
Taylor Creek	7S1	7850	3/29	0	0.0	T	0.0	0.0
SALT RIVER								
Baldy x	9S1	9125	3/28	47	17.4	4.9	6.1	4.2*
Beaver Head	9S6	8000	3/31	11	4.3	0.4	0.6	0.8
Canyon Creek #2	10R7	7500	3/29	19	6.7	0.9	T	- -
Coronado Trail	9S7	8000	3/30	2	0.9	0.0	0.0	1.1
Forest Dale	10R6	6430	3/30	0	0.0	0.4	0.0	0.0
Ft. Apache x	9R5	9160	3/28	48	16.9	5.1	7.6	5.6*
Gentry	10R5	7600	3/29	14	5.3	1.3	0.0	0.8*
Heber	10R4	7600	3/29	18	6.4	1.8	0.9	1.2*
Maverick Fork	9S2	9050	3/28	55	19.6	4.9	8.2	6.0*
McNary	9R2	7200	3/30	11	3.2	1.0	0.0	0.2
Milk Ranch	9R1	7000	3/30	0	0.0	0.7	0.0	0.0
Nutrioso	9S4	8500	3/30	5	1.9	0.0	0.0	0.5
Pacheta	9S5	7800	3/30	16	6.6	0.0	0.0	0.4*
Workman Creek	10S1	6900	3/30	33	14.6	1.4	- -	1.7*
VERDE RIVER								
Camp Wood	12R1	5700	4/2	0	0.0	0.0	0.0	0.0*
Casner Park	11R2	6930	3/30	18	7.8	2.3	0.0	1.4*
Chalender	12P1	7100	3/30	12	4.2	0.9	0.0	1.6*
Fort Valley x	11P2	7350	3/30	14	4.6	2.3	0.0	1.4*
Gaddes Canyon	12R4	7600	3/30	30	9.9	2.4	2.6	- -
Happy Jack	11R5	7630	3/30	18	7.3	2.2	0.0	2.7*
Iron Springs x	12R2	6200	3/26	0	0.0	0.5	0.0	0.0*
Mingus Mountain	12R3	7100	3/30	0	0.0	1.1	0.0	0.1*
Mormon Lake x	11R4	7350	3/30	19	7.5	2.1	0.0	3.7*

x - Adjacent Drainage

* - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT APRIL 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
VERDE RIVER - Continued								
Mormon Mountain	11R3	7500	3/30	29	11.6	2.5	T	5.4*
Munds Park	11R1	6500	3/29	5	1.8	1.8	0.0	1.4*
Snow Bowl	11P4	10260	3/28	51	18.6	6.4	- -	- -
COLUMBIA RIVER								
RAFT RIVER								
Clear Creek Meadows	13H2	9050	4/1	77	28.4	13.5	15.1	- -
One Mile Summit	13H1	7330	4/1	30	8.7	7.1	6.7	- -

* - 1943-57 Adjusted Average

COLORADO RIVER BASINS

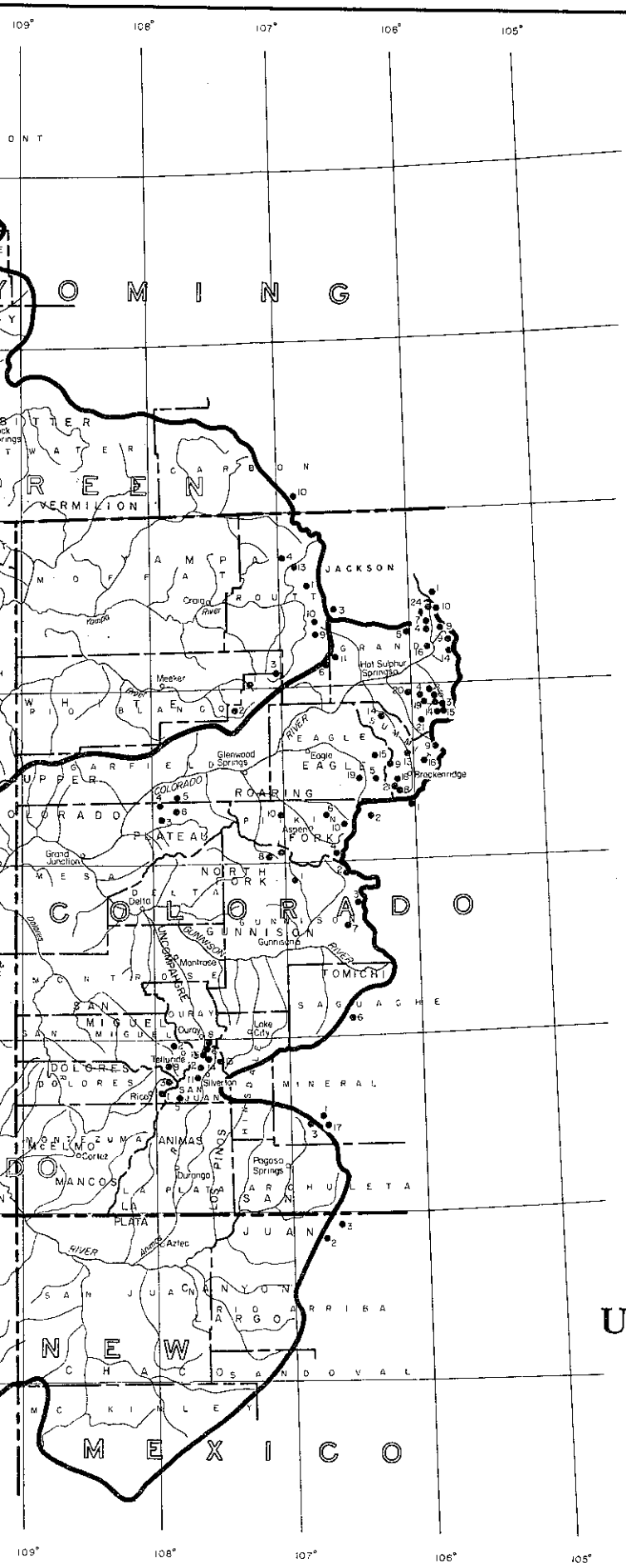
STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE. OR LONG.	ELEV.
	ROARING FORK				
C	Independence Pass Tunnel	24	11S	83W	10200
C	Lift	7	11S	84W	11250
C	Ivance	12	9S	82W	10400
C	Nast	1	9S	83W	8700
C	North Lost Trail	20	11S	87W	9200
	PLATEAU CREEK				
C	Mesa Lakes	35	11S	96W	10000
C	Trickle Divide	23	11S	94W	10000
	GUNNISON RIVER				
C	Park Cone	19	14S	82W	9700
C	Crested Butte	22	13S	86W	9000
C	Porphyry Creek	19	49N	6E	10700
C	Tomichi	30	49N	5E	10500
C	Cochetopa Pass x	12	45N	3E	10000
C	McClure Pass	1	11S	89W	9500
C	Trickle Divide x	23	11S	94W	10000
C	Park Reservoir	34	11S	94W	9500
C	Alexander Lake	2	12S	95W	10000
C	Blue Mesa	23	48N	5W	8700
C	Red Mountain Pass	13	42N	8W	11000
C	Ironton Park	29	43N	7W	9800
C	Lake City	13	43N	4W	10300
	DOLORES RIVER				
C	Lizzard Head	24	41N	10W	10300
C	Rico	11	39N	11W	8700
C	Trout Lake x	8	41N	9W	9700
C	Telluride x	6	42N	8W	8600
	SOUTHEASTERN UTAH DRAINAGES				
U	LaSal Mountain (upper)	3	27S	24E	9400
U	LaSal Mountain	5	27S	24E	8800
U	Buckboard Flat	36	33S	22E	9000
U	Camp Jackson	22	34S	22E	8600
	UPPER GREEN RIVER (Above Flaming Gorge Reservoir)				
W	Dinwoodie Glaciers x	43°14'		109°35'	10500
W	Gros Ventre Summit	36	40N	111W	8750
W	Kendall R. S.	23	38N	110W	7900
W	Loomis Park	14	37N	111W	8500
W	East Rim Divide	32	37N	111W	7950
W	Blind Bull x	6	34N	115W	8750
W	Soda Lake	14	33N	115W	8300
W	Mulligan Park	17	35N	108W	8900
W	Dutch Joe R. S.	32	31N	104W	8700
W	Poison Meadows x	29	30N	116W	8500
W	Snyder Basin R. S. #2	15	29N	114W	8040
W	Piney-LaBarge	19	29N	114W	8820
W	Big Park	7	27N	117W	8700
W	Kelly R. S.	13	26N	118W	8200
U	Hewinta R. S.	33	3N	13E	9500
U	Hole-in-the-Rock	13	2N	15E	9150
U	Middle Beaver Creek	31	3N	16E	8550
U	Hole-in-the-Rock R. S.	32	3N	16E	8300
	YAMPA RIVER				
C	Rabbit Ears	30	5N	83W	9550
C	Yampa View	21	5N	84W	8500
C	Lynx Pass x	2	1N	83W	9100
C	Bear River	14	1N	86W	9100
W	Old Battle	29	14N	85W	9800
C	Elk River	6	10N	85W	8700
C	Clark	24	9N	85W	7800
C	Dry Lake	26	7N	84W	8200
C	Columbine Lodge x	21	5N	82W	9300
	BRUSH CREEK				
U	King's Cabin (upper)	22	1S	21E	8730
U	King's Cabin (lower)	23 & 26	1S	21E	8600
	DUCHESNE RIVER				
U	Trial Lake x	5	2S	9E	9800
U	Soapstone R. S. x	9	3S	8E	7800
U	Daniels-Strawberry Summit x	20	2S	12W	8000
U	Strawberry Divide x	34 & 35	7S	6E	8000
U	East Portal x	36	7S	6E	7560
U	White River #1 x	11	10S	8E	8600
U	Currant Creek	31	1S	10W	7800
U	Indian Canyon	2	11S	10E	9100
U	Rock Creek	21	2N	7W	7900
U	Brown Duck Lake	2	2N	6W	10300
U	Lakefork Mountain	2 & 3	2N	5W	10500
U	Lakefork Mountain #2	17	2N	4W	8900
U	Lakefork Mountain #3	29	2N	4W	8100
U	Jackson Park	23	3N	4W	11300
U	Paradise Park	7	3N	1E	10100
U	Julius Park	20	3N	1E	9800
U	Mosby Mountain	27	2S	18E	9500
	WHITE RIVER				
C	Rio Blanco	28	1N	88W	8500
C	Burro Mountain	15	2S	91W	9000

NO.	STATE	NAME	SEC. OR LAT.	TWP. OR AND	RGE. OR LONG.	ELEV.
		PRICE RIVER				
11K5	U	Huntington-Horseshoe	12	14S	5E	9800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8700
11K3P	U	Mammoth R. S.-Cottonwood Cr.	13 & 23	13S	5E	8800
11K33P	U	Mud Creek #2	4	14S	7E	8300
11K7	U	Staley Ranch	32	12S	7E	7600
11K8	U	Dry Valley Divide	20	12S	8E	7800
10K2P	U	White River #1	11	10S	8E	8600
11K24	U	White River #2	9	10S	8E	7600
11K25	U	White River #3	30	10S	8E	7400
10K1P	U	Indian Canyon x	2	11S	10E	9100
10K6	U	Timberline	28	13S	13E	9100
10K3	U	Grassy Trail Creek-Left Fork	2	14S	13E	7970
10K5	U	Corral	32	13S	14E	8200
		SAN RAFAEL RIVER				
11K5	U	Huntington-Horseshoe	12	14S	5E	9800
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8700
11K26	U	Switchback	14	14S	6E	8600
11K27P	U	Stuart R. S.	8 & 9	15S	7E	7950
11K28P	U	Red Pine Ridge	5	16S	6E	9400
11K29	U	Upper Joe's Valley	21	16S	6E	8800
11K9	U	Seely Creek R. S.	25	17S	4E	10000
11K31P	U	Buck Flat	23	19S	4E	9400
11K38	U	Rush Pond	24	19S	4E	9800
11K32	U	Wrigley Creek	27	19S	5E	9000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9200
11K15	U	Dill's Camp	27	20S	4E	9200
11K12	U	Mt. Baldy R. S. x	19	19S	4E	9500
		FREMONT RIVER				
11L1P	U	Farnsworth Lake x	27 & 33	23S	2E	9900
11L3	U	Fish Lake	35	26S	1E	8700
11L6	U	Johnson Valley	24	25S	2E	8850
11L4P	U	Black's Flat - U.M. Creek	33	24S	3E	9250
11L5	U	Donkey Reservoir	9	30S	4E	9800
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9500
		SAN JUAN RIVER				
6M1	C	Wolf Creek Pass x	4	37N	2E	10000
6M17	C	Wolf Creek Summit	6	37N	2E	11000
6M3	C	Upper San Juan	1	37N	1E	10000
6N2	NM	Chama Divide x	36°52'		106°40'	7500
6N3	NM	Chamita x	36°56'		106°40'	8500
7M6	C	Ironton Park x	29	43N	7W	9800
7M15	C	Red Mountain Pass x	13	42N	8W	11000
7M12	C	Molas Lake	7	40N	7W	10500
7M14	C	Mineral Creek	35	42N	8W	10300
7M13	C	Howardville	15	41N	7W	9800
7M4	C	Silverton Sub-Station	10	41N	7W	9400
7M11	C	Spud Mountain	32	40N	8W	10700
7M5	C	Cascade	13	39N	9W	8850
		VIRGIN RIVER				
12M6	U	Long Valley Junction	22	38S	6W	7500
12M5	U	Harris Flat R. S. x	24	38S	7W	7700
12M4P	U	Duck Creek R. S. x	11	38S	8W	8560
12M1P	U	Cedar Breaks x	2	37S	9W	10390
12M2M	U	Midway Valley x	26	37S	9W	9800
12M3MP	U	Webster Flat	20	37S	9W	9200

LEGEND

Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station.
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage.
10J7m	Soil Moisture Station Only.
10J7a	Aerial Marker Only.
10J7p	Storage Precipitation Gage Only.
x	Adjacent Drainage



- Snow Course
- Soil Moisture Station
- Aerial Marker
- Storage Precipitation Gage
- Snow Course and Soil Moisture Station
- Snow Course and Storage Precipitation Gage
- Snow Course, Soil Moisture Station and Storage Precipitation Gage
- Snow Course, Soil Moisture Station and Aerial Marker

This coordinate system of snow course location is the same as used on individual state maps.

UTAH, BEAR & UPPER COLORADO RIVER BASINS

JANUARY 1960

50 0 50 100
SCALE IN MILES

7 – E – 16150 – N

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH, BEAR & COLORADO RIVER BASIN

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

and

STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Utah Fish and Game Dept., Agricultural Experiment Stations at Arizona, Colorado and Utah; the State Engineers of Colorado, New Mexico and Wyoming; Bureau of Reclamation, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
MAY 1, 1962

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

for

UTAH, BEAR and COLORADO RIVER BASINS

MAY 1, 1962

Report Prepared

by

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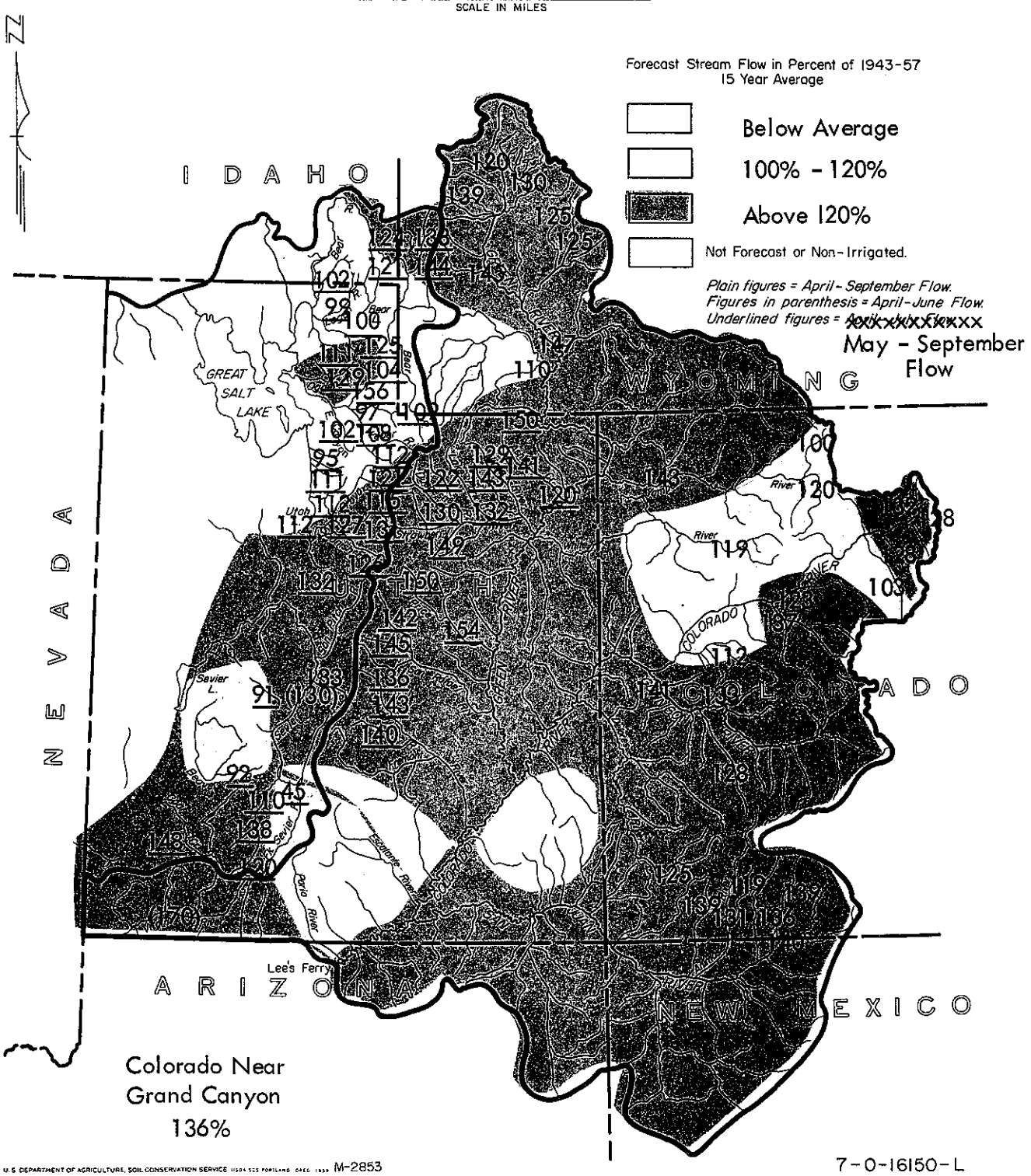
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH, BEAR and UPPER COLORADO BASINS

May 1, 1962
Approximate Date

50 0 50 100
SCALE IN MILES



U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG. 1958 M-2853

7-0-16150-L

WATER SUPPLY OUTLOOK

as of

MAY 1, 1962

* *
*
* Good to excellent water supplies are still in prospect for *
* most of Utah, in spite of very light April precipitation *
* in southern and eastern areas. High temperatures have *
* caused heavy depletion of the low and intermediate eleva- *
* tion snowpack. Forecasts for most streams now range from *
* average to about 155%. *
* *

If dry weather continues in southern Utah, streamflow for the rest of the spring and summer will be extremely low on the East Fork Sevier river, Escalante river and into Rockyford reservoir on the Beaver river.

The May-September streamflow of the East Fork Sevier river is now forecast at only 45%. However, when expected streamflow is combined with present storage in Otter Creek reservoir, the total water supply is only 11% less than average. May-June inflow to Rockyford reservoir is forecast at 69%. Storage here is not so good, so that when inflow is combined with storage, the total water supply is only 62% of average.

In sharp contrast with the water picture on the East Fork Sevier river, we find that the South Fork Sevier and other streams originating near Cedar Breaks are still expected to flow at about 120% to 150% of average for the balance of the summer.

Because of the light rain and snowfall, forecasts have dropped 10% to 15% on the Beaver river, streams in the Moab-Monticello-Blanding area, streams of the Uintah Basin from Moon Lake eastward to the Green river, and the smaller streams between Duchesne and Price. Rain and snowfall on other watersheds of the state, while above average in some areas, was generally near enough the usual amounts that forecasts of the total April-September runoff have remained essentially unchanged from last month.

About 10% below normal streamflow is expected to come from the Beaver River near Beaver (above Rockyford reservoir), Chalk Creek near Fillmore, and streams from Moab to Blanding. If the past month's dry weather continues on into the summer, some water shortages may occur here during late summer months.

Much above average snowmelt conditions during the past month resulted in heavy April runoff. The U.S. Geological Survey reports April streamflow varying from about 140% to 265%. This makes the remaining streamflow for the May-September period less than would ordinarily be expected, considering the heavy streamflow for the entire snow melt period.

In spite of the light rainfall in the Uintah Basin and the abnormally heavy April runoff, streams here are still expected to yield considerably above normal streamflow during the May-September period. Forecasts here range between about 120% and 155%.

Other streams which are also expected to yield in this same high range include the Price, San Rafael, San Pitch, Spanish Fork, upper Provo and Ogden rivers, Hobble Creek near Springville, inflow to Strawberry reservoir, Lost Creek near Croydon, and tributary streams of the Bear river in the vicinity of Montpelier, Idaho and Border, Wyoming.

Average to 20% above average May-September streamflow is expected for remaining areas of the state.

Forecasts for the Green river and its tributaries in Wyoming remain unchanged from last month. In Colorado, however, dry weather and abnormally large snow-pack depletions have resulted in forecasts being dropped from about 5% to 20% below those of last month.

Even though the forecasts have been lowered, most of them still range between about 120% and 140%.

STREAMFLOW FORECASTS - MAY 1, 1962

The following summarized 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.

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
GREAT BASIN						
BEAR RIVER SYSTEM						
Bear nr Ut-Wyo. State Line	126	109	May-Sept	64	79	116
Bear nr Woodruff	110	104	May-Sept	24.3	48	106
Woodruff Crk nr Woodruff, Ut.	20	125	May-Sept	- -	7.3	16.0*
Big Crk nr Randolph, Ut.	10	120	May-Sept	- -	2.0	8.3*
Bear nr Randolph	74	84	May-Sept	3.4	13.1	88 *
Smith's Fork nr Border, Wyo.	150	144	May-Sept	43	72	104
Thomas Fork nr Wyo-Ida.State Line	37	138	May-Sept	4.3	12.7	26.9*
Bear at Harer, Idaho	285	121	May-Sept	35	80	235
Montpelier Crk nr Montpelier, Ida.	13	124	May-Sept	2.1	4.7	10.5
Cub River nr Preston,Ida.	48	102	May-Sept	- -	32	47 *
Little Bear nr Paradise	31	111	May-Sept	5.0	11.2	28
Logan nr Logan (1)	124	99	May-Sept	52	82	125
Blacksmith Fork nr Hyrum (2)	51	100	May-Sept	16.9	29.4	51
WEBER - OGDEN RIVERS						
Weber nr Oakley	117	121	May-June	34	65	96
	137	112	May-Sept	46	78	122
Wanship Reservoir Inflow(3)	130	118	May-July	31	58	110 *
Weber nr Coalville(4)	128	108	May-Sept	27	55	119
Chalk Crk at Coalville	33	97	May-Sept	4.7	11.9	34
Lost Crk nr Croydon,Ut.	22	156	May-Sept	1.9	4.9	14.1
East Canyon Crk nr Morgan(5)	18.5	102	May-Sept	1.7	4.6	18.1
So. Fork Ogden nr Huntsville	53	108	May-Sept	12.0	24.9	49
Pineview Reservoir Inflow(6)	190	136	March-July	27.8	75	140
	110	143	May-July	15.3	41	77

(1) Includes U.P.&L. Co. tailrace and Logan, Hyde Park & Smithfield Canal.
(2) Above Utah Power & Light Company's dam.
(3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal.
(4) Includes diversion by Weber-Provo canal and change in storage in Wanship Reservoir.
(5) Observed flow plus change in storage in East Canyon Reservoir.
(6) Inflow record as computed by U. S. Bureau of Reclamation.
(*) Partly estimated.

STREAMFLOW FORECASTS - MAY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
PROVO RIVER & UTAH LAKE						
Strawberry Reservoir Inflow(7)	55	131	May-Sept	- -	10.5	42
Spanish Fork at Thistle	43	126	May-Sept	7.1	16.9	34
Payson Creek nr Payson	9	132	May-Sept	2.0	4.1	6.8*
Hobble Crk nr Springville	21	127	May-Sept	2.3	4.9	16.5*
Provo nr Hailstone(8)	123	121	May-Sept	27.7	57	102 *
Provo at Vivian Park(9)	148	115	May-Sept	28.0	62	129
American Fork nr American Fork	36	112	May-Sept	8.0	20.3	32
Utah Lake Inflow	263	112	May-Sept	72	77	234
JORDAN RIVER & SALT LAKE						
Little Cottonwood Crk nr SLC	40	111	May-Sept	20.1	28.8	36
Big Cottonwood nr SLC	39	108	May-Sept	15.4	27.0	36
Parley's Crk nr SLC	10.5	95	May-Sept	1.5	4.2	11
SEVIER RIVER						
Sevier at Hatch	38	136	May-June	11.6	10.5	28
	55	120	May-Sept	22.4	17.5	46
Sevier nr Circleville	47	138	May-Sept	17.3	10.6	34 *
Sevier nr Kingston	19	119	May-June	1.0	1.2	15.9
	23	110	May-Sept	8.1	2.5	20.9
East Fork Sevier nr Kingston(10)	1	11	May-June	3.2	0	9.1
	6	45	May-Sept	11.3	3.8	13.4
Sevier below Piute Dam(11)	36	103	May-Sept	21.9	2.9	35
Clear Crk nr Sevier(abv.div.)	11.5	95	May-June	5.8	6.8	12.1*
Inflow						
Kingston to Vermillion Dam	61	130	April-June	11.2	16.6	47
Vermillion Dam to Gunnison	80	127	March-June	28.6	32	63
Salina Crk at Salina(12)	18	220	May-June	0.4	- -	8.2*
Sevier River nr Gunnison	85(a)	133	Apr-Sept	12.8	27.6	64
BEAVER RIVER						
Beaver nr Beaver	18.3	97	May-June	7.7	8.8	18.9
	24	92	May-Sept	11.2	11.8	26
Rockyford Reservoir Inflow(13)	5.5	69	May-June	0.8	0.1	8.0

(7) Change in storage plus diversion thru Strawberry tunnel.
(8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
(9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.
(10) Observed flow plus change in storage in Otter Creek Reservoir.
(11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
(12) Gage is below diversions near Salina.
(13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir.
(*) Partly estimated.
(a) - Does not include flow coming from San Pitch River.

STREAMFLOW FORECASTS - MAY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
PAVANT VALLEY						
Chalk Crk nr Fillmore	14.6	91	May-Sept	6.5	9.0	16 *
COAL CREEK						
Coal Crk nr Cedar City	20	148	May-Sept	9.0	5.1	13.5
COLORADO RIVER BASIN						
GREEN RIVER TRIBUTARIES IN UTAH						
FLAMING GORGE TO DUCHESNE RIVER						
Henry's Fork at Linwood	51	150	May-Sept	11.3	19.3	34
Ashley Creek nr Vernal	67	120	May-Sept	46	32	56
DUCHESNE RIVER						
Duchesne at Provo River (Trail nr Hanna)	49	122	May-Sept	- -	- -	40 *
Duchesne nr Tabiona(14)	136	130	May-Sept	43	38	105
Rock Crk nr Mtn. Home	127	122	May-Sept	49	71	104
Strawberry at Duchesne	97	149	May-Sept	9.3	14.6	65
Lakefork below Moon Lake(15)	98	132	May-Sept	39	51	74
Uinta nr Neola	124	129	May-Sept	66	66	96
Whiterocks nr Whiterocks	90	141	May-Sept	51	41	64
Yellowstone nr Altonah	107	143	May-Sept	42	48	75
PRICE RIVER						
Gooseberry Crk nr Scofield	17	149	May-Sept	3.8	7.4	11.4
Price nr Scofield(16)	51	150	May-Sept	5.8	17.5	34
Price nr Heiner(16)	86	154	May-Sept	7.5	18.1	56
SAN RAFAEL RIVER						
Huntington Crk nr Huntington	75	142	May-Sept	21.1	31	53
Cottonwood Crk nr Orangeville	81	145	May-Sept	26.0	35	56
Ferron Crk nr Ferron	53	136	May-Sept	19.6	27.6	39 *

(14) Observed flow plus diversion through Duchesne Tunnel.
(15) Observed flow plus change in storage in Moon Lake Reservoir.
(16) Observed flow plus change in storage in Scofield Reservoir.
(*) Partly estimated.

STREAMFLOW FORECASTS - MAY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
MUDDY RIVER						
Muddy Creek nr Emery	30	143	May-Sept	9.4	15.1	21.0*
Ivie Creek abv.div. nr Emery	2.1	140	May-Sept	1.5	1.4	1.5*
VIRGIN RIVER						
Virgin at Virgin	75	170	Apr-June	17.1	35	44
GREEN RIVER TRIBUTARIES IN WYOMING (Above Flaming Gorge Reservoir)						
Green at Warren Bridge, Wyo.	418	120	Apr-Sept	221	207	348
New Fork nr Boulder, Wyoming	340	130	Apr-Sept	91	110	260
No. Piney Crk nr Mason, Wyo.	57	139	Apr-Sept	20.4	24.3	41
Big Sandy Crk nr Big Sandy	74	125	Apr-Sept	- -	27	59
Little Sandy Crk nr Elkhorn	19	125	Apr-Sept	- -	7	15
Green nr Fontenelle, Wyo.	1430	145	Apr-Sept	399	438	995
Green nr Green River, Wyo.	1760	147	Apr-Sept	393	456	1200 *
Black's Fork nr Green River, Wyo.	230	110	Apr-Sept	16.4	100	210 *
GREEN RIVER TRIBUTARIES IN COLORADO						
Yampa at Steamboat Springs	340	120	Apr-Sept	190	272	283
Elk at Clark	215	100	Apr-Sept	137	181	215
Little Snake nr Lily	500	143	Apr-Sept	133	258	350
White nr Meeker	375	119	Apr-Sept	214	264	335
COLORADO RIVER (Above Jct. with Green River)						
Colorado nr Granby(17)	300	128	Apr-Sept	- -	282	235
Willow Crk above Willow Crk Res.	58	132	Apr-Sept	- -	53	44
Williams Fork nr Parshall	100	128	Apr-Sept	46	67	78
Blue above Green Mtn. Res.	300	103	Apr-Sept	183	241	290
Colorado at Glenwood Spgs.(18)	1900	123	Apr-Sept	- -	1337	1546
Roaring Fork at Glenwood Spgs.(19)	1100	137	Apr-Sept	524	682	803
Plateau Crk nr Collbran	64	112	Apr-Sept	16.3	37	57
Surface Crk nr Cedaredge	24	133	Apr-Sept	18.7	22	18
Uncompahgre at Colona	185	128	Apr-Sept	132	136	145
Gunnison nr Grand Jct.	1950	141	Apr-Sept	719	994	1386
Dolores at Dolores	350	125	Apr-Sept	212	259	279

(17) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir.
(18) Observed flow plus diversions by Adams tunnel and Grand river ditch plus change in storage in Granby reservoir plus Moffat ditch.
(19) Observed flow plus diversion through Twin Lakes Tunnel.
(*) Partly estimated.

STREAMFLOW FORECASTS - MAY 1, 1962

BASIN, STREAM and STATION	Seasonal Streamflow in Thousands of Acre Feet					
	Forecast Runoff 1962	% 15-Yr. Av.	Forecast Period	Measured Runoff 1961	Measured Runoff 1960	15-Yr. Av. 1943-57
SAN JUAN RIVER						
Piedra nr Piedra	260	139	Apr-Sept	139	203	186
San Juan at Rosa	820	140	Apr-Sept	469	629	587
Los Pinos nr Bayfield(20)	300	136	Apr-Sept	189	203	220
Animas at Durango	625	131	Apr-Sept	393	455	475
Florida nr Durango	74	119	Apr-Sept	- -	60	62
LaPlata at Hesperus	39	139	Apr-Sept	24.1	30	28
COLORADO RIVER - (Main Stem)						
Colorado nr Grand Canyon	* 11,100	138	Apr-July	3843	6120	8056
	* 12,500	136	Apr-Sept	4975	6571	9155

(20) Observed flow plus change in storage in Vallecito reservoir.

(*) These values will have to be corrected for storage in those upstream reservoirs where storage commences for the first time this year. Principal among these is Navajo Reservoir on the San Juan River.

STATUS OF RESERVOIR STORAGE - MAY 1, 1962

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000s AF	USABLE STORAGE - 1000 ACRE FEET 1962	1961	1960	15-Yr.Av. 1943-57
		GREAT BASIN				
Bear River	Bear Lake	1421.0	706.0	814.3	1039.6	921.5
	Woodruff Narrows	26.5	22.0	- -	- -	- -
Little Bear	Hyrum	15.3	13.6	15.6	15.6	14.6
Ogden	Pineview	110.0	86.2	23.4	63.7	29.3
Weber	Rockport	59.1	35.0	17.9	20.9	- -
	Echo	73.9	45.2	37.6	52.0	54.8
	East Canyon	28.7	18.8	8.4	23.4	23.8
Provo	Deer Creek	149.7	84.7	70.5	89.5	94.9
Spanish Fork	Strawberry	270.0	43.5	63.6	117.0	150.1
Utah Lake	Utah Lake	1149.0*	375.8	308.4	515.2	691.1
Sevier River	Otter Creek	52.5	42.6	25.6	31.6	41.4
	Piute	74.0	50.0	20.7	19.4	53.1
	Sevier Bridge	236.0	80.8	58.6	63.8	169.2
Beaver River	Rockyford	23.3	10.0	8.1	7.9	17.0
		COLORADO RIVER BASIN				
Lake Fork	Moon Lake	35.8	26.9	11.7	14.3	15.5
Price River	Scofield	65.8	13.9	5.9	10.8	23.9
Colorado	Granby	465.5	330.0	214.0	236.3	185.3
Blue	Green Mtn.	146.9	28.7	54.8	53.6	52.3
Gunnison	Taylor Park	106.2	83.6	38.5	61.3	67.0
Dolores	Groundhog	21.7	9.0	6.0	7.5	9.2
San Juan	Vallecito	126.3	57.0	60.0	50.6	64.3
Little Colorado	Lyman	30.6	22.7	7.2	20.3	9.6
Colorado	Lake Mead	27207.0	19357.0	17885.0	19876.0	16451.0
Colorado	Lake Mohave	1810.0	1697.6	1734.5	1565.5	1515.8**
Colorado	Lake Havasu	619.4	606.4	581.9	581.3	611.7
Gila	San Carlos	1205.0	163.9	0.1	193.2	96.1
Salt	Roosevelt	1382.0	922.6	790.8	1095.8	497.0
Salt	Apache	245.0	236.8	199.7	235.0	219.0
Salt	Canyon	58.0	53.0	54.5	53.8	50.1
Salt	Saguaro	70.0	67.1	67.4	1.5	53.5
Verde	Horseshoe	142.8	19.6	36.1	56.6	20.9
Verde	Bartlett	179.5	81.8	26.4	106.1	76.3
Aqua Fria	Lake Pleasant	163.8	17.8	26.1	48.9	29.4

* - Active capacity taken at 3.1 feet above compromise point.

** - Less than 15 years of record in the 1943-57 period.

APRIL PRECIPITATION DATA (1)

(Measured at or near Snow Courses)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from date of April 1 Snow Survey to Approximately May 1: Date of Read. 1962	Precipitation 1962 (In)	Past Record: 1961 (In)	1960 (In)	Yrs. of Record	Av. for Record Period (In)
GREAT BASIN DRAINAGE							
Bear River above Harer, Idaho							
Monte Cristo #2 (3)	8960	4/30	4.20	2.70	2.55	2	2.62
Salt River Summit	7900	4/26	1.80	1.70	3.50	4	2.78
Stillwater Camp	8550	5/1	2.50	3.10	2.15	6	2.52
Trial Lake*	9800	4/26	3.25	1.89	2.50	10	3.04
Bear River below Harer, Idaho							
Dry Bread Pond	8230	4/30	4.05	1.50	2.85	9	3.04
Garden City Summit	7600	5/1	3.05	1.50	3.10	7	2.80
Klondike Narrows	7400	4/26	1.35	1.85	3.35	7	3.27
Little Bear(upper)	6550	5/1	3.70	1.35	2.85	5	3.30
Monte Cristo #2 (3)	8960	4/30	4.20	2.70	2.55	2	2.62
Willow Flat	6100	4/27	1.73	1.88	3.23	6	3.64
Ogden River							
Ben Lomond(lower)	5850	5/1	2.23	1.25	3.10	7	3.71
Dry Bread Pond	8230	4/30	4.05	1.50	2.85	9	3.04
Monte Cristo #2 * (3)	8960	4/30	4.20	2.70	2.55	2	2.62
Sagebrush Flat	6300	4/30	2.90	1.00	2.65	6	2.32
Snow Basin	6420	5/1	4.10	2.80	3.25	3	3.81
Weber River							
Chalk Creek #2	8000	4/25	2.40	1.00	3.14	9	2.29
Mt. Dell Dam * (2)	5500	4/30	2.07	1.05	1.23	27**	2.62
Parley's Canyon Smt.	7500	4/28	2.86	2.51	3.78	9	4.31
Silver Lake(Brighton)*(2)	8725	4/30	4.69	1.89	4.80	31**	3.93
Smith & Morehouse	7600	4/30	3.80	2.05	3.20	7	3.01
Trial Lake *	9800	4/26	3.25	1.89	2.50	10	3.04

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

(2) Data measured daily and supplied by U.S. Weather Bureau. Mt. Dell Dam data figured from date of Lamb's Canyon snow survey.

(3) U.S. Weather Bureau raingage measured by SCS personnel.

*- Adjacent drainage.

**- Period of snow surveys.

APRIL PRECIPITATION DATA (1)

(Measured at or near Snow Courses)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from Date of April 1 Snow Survey to Approximately May 1		Past Record			
		Date of Read. 1962	Precipitation 1962 (In)	1961 (In)	1960 (In)	Yrs. of Record	Av. for Record Period (In)
Provo River & Utah Lake							
Clear Creek Ridge #2	8000	4/25	2.15	2.00	2.84	6	2.64
Daniels-Strawberry Smt.	8000	4/30	2.65	1.30	2.00	7	2.26
Dutchman R.S.	7500	4/27	3.68	1.26	2.50	6	3.04
Hobble Creek Summit	7300	4/24	1.08	1.43	2.47	7	2.50
Payson R.S.	8050	4/25	2.20	3.00	2.37	7	3.43
Soapstone R.S.	7800	4/30	3.35	1.40	1.90	7	2.64
Strawberry Reservoir - East Portal (2)	7606	4/30	1.70	0.90	1.52	13	1.36
Timpanogos Divide (2)	8200	4/30	2.38	1.65	2.55	23	3.21
Trial Lake	9800	4/26	3.25	1.89	2.50	10	3.04
Jordan River & Great Salt Lake							
Farmington Guard Sta.(4)	7500	4/27	3.00	2.01	2.91	9	4.98
Farmington Rice(4)	7000	4/30	4.22	2.01	2.80	22	4.72
Middle Canyon-Tooele	7000	4/25	2.83	2.55	2.61	5	4.35
Mt. Dell Dam (3)	5500	4/30	2.07	1.05	1.23	27**	2.62
Parley's Canyon Smt.	7500	4/28	2.86	2.51	3.78	9	4.31
Silver Lake(Brighton)(3)	8725	4/30	4.69	1.89	4.80	31**	3.93
Sevier River above Richfield							
Box Creek	9800	4/23	1.45	2.40	1.82	6	3.05
Castle Valley	9700	4/30	0.66	1.65	2.40	5	2.97
Cedar Breaks (5)	10320	4/27	0.15	2.45	3.35	3	2.47
Duck Creek R.S.	8560	5/1	0.25	1.75	2.50	10	2.02
Kimberly Mine(upper)	8900	4/25	1.65	4.90	1.44	5	4.58
Panguitch Lake (5)	8200	4/30	0.30	0.90	0.95	9	0.92
Webster Flat *	9200	4/27	0.13	2.05	3.05	10	3.14
Widtsoe-Escalante #3	9500	4/27	0.17	2.32	1.15	6	2.52
Widtsoe R.S. (5)	7600	4/27	0.03	1.02	0.36	27**	0.91

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

(2) Data measured monthly, supplied by U.S. Weather Bureau.

(3) Data measured daily and supplied by U. S. Weather Bureau. Mt. Dell Dam data figured from date of Lamb's Canyon snow survey.

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

(5) U.S. Weather Bureau raingage measured by SCS personnel.

* - Adjacent Drainage

** - Period of snow surveys.

APRIL PRECIPITATION DATA (1)

(Measured at or near Snow Courses)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from Date of April 1 Snow Survey to Approximately May 1					
		Date of Read. 1962	Precipitation 1962 (In)	Past Record 1961 (In)	Past Record 1960 (In)	Past Record Yrs. of Record	Past Record Av. for Record Period (In)
Sevier River below Richfield Including San Pitch River							
Beaver Dams	8000	4/25	2.03	2.85	1.30	6	2.60
Farnsworth Lake	9900	4/30	4.69	5.27	2.23	6	4.33
G.B.R.C. Headquarters(3)	8700	4/27	1.61	3.72	2.76	31**	3.40
G.B.R.C. Meadows (3)	10000	4/27	2.96	4.18	3.74	26	3.68
G.B.R.C. Oaks (3)	7655	4/27	1.14	2.73	1.70	36	2.19
Gooseberry R. S.	7800	4/30	3.66	3.48	1.25	18**	2.66
Gooseberry Reservoir*	8700	4/26	1.92	1.75	3.33	8	2.87
Mammoth R.S. #2 * (2)	8600	4/26	2.25	1.54	3.58	2	2.56
Mt. Baldy R.S. #2	9500	4/25	1.68	3.18	- -	1	- -
Pine Creek	8700	4/27	4.75	5.15	2.62	5	4.99
Shingle Mill	6200	4/26	2.86	3.65	0.93	2	2.29
Beaver River							
Beaver Canyon P.H. (4)	7275	4/30	1.14	1.51	1.87	22	2.10
Big Flat	10000	4/25	0.64	3.15	1.45	8	3.08
Parowan Creek							
Yankee Reservoir	8700	4/23	0.10	2.60	0.75	5	2.87
Coal Creek							
Cedar Breaks (2)	10320	4/27	0.15	2.45	3.35	3	2.47
Webster Flat *	9200	4/27	0.13	2.05	3.05	10	3.14
Enterprise to New Harmony							
Little Grassy Creek	6100	4/26	0.02	1.35	0.75	3	0.73
Long Flat	8200	4/30	0.24	2.05	0.50	3	1.12

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

(2) U.S. Weather Bureau raingage measured by SCS personnel.

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

(4) Data measured daily and supplied by U.S. Weather Bureau. Data figured from date of Merchant Valley snow survey.

* - Adjacent drainage

** - Period of Snow Surveys

APRIL PRECIPITATION DATA (1)

(Measured at or near Snow Courses)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from Date of April 1 Snow Survey to Approximately May 1					
		Date of Read. 1962	Precipitation 1962 (In)	Past Record 1961 (In)	Past Record 1960 (In)	Past Record Yrs. of Record	Past Record Av. for Record Period (In)
COLORADO RIVER DRAINAGE IN UTAH							
Green River above Flaming Gorge							
Big Sandy Opening	9200	4/26	1.40	0.60	- -	1	- -
Black's Fork Junction	8925	4/24	1.95	2.65	- -	1	- -
East Fk.Black's Fork G.S.	9300	4/23	2.40	2.75	- -	1	- -
East Rim Divide	7950	4/23	0.80	0.60	- -	1	- -
Hewinta G.S.	9500	4/23	1.95	3.00	- -	1	- -
Snyder Basin #2	8040	4/28	2.65	1.60	- -	1	- -
Spirit Lake	10300	4/24	1.85	4.50	- -	1	- -
Brush Creek							
King's Cabin(upper)	8730	4/23	2.30	3.90	1.60	10	2.14
Duchesne River							
Currant Creek	7800	4/30	2.15	1.10	1.95	6	1.69
Daniels-Strawberry Smt.*	8000	4/30	2.65	1.30	2.00	7	2.26
Indian Canyon	9100	5/1	0.73	0.45	2.05	2	1.25
Julius Park	9800	4/25	0.60	1.40	2.05	3	2.08
Lakefork Mountain	10500	4/26	1.50	0.75	3.60	9	2.01
Moon Lake (2)	8150	4/30	0.55	0.40	1.80	22	1.38
Paradise Park	10100	4/25	0.85	1.35	1.95	7	2.01
Rock Creek	7900	4/27	1.47	0.45	1.30	6	1.18
Soapstone R.S. *	7800	4/30	3.35	1.40	1.90	7	2.64
Strawberry Reservoir - East Portal * (2)	7606	4/30	1.70	0.90	1.52	13	1.36
Trial Lake *	9800	4/26	3.25	1.89	2.50	10	3.04
White River #1 *	8600	4/28	1.35	1.10	2.70	5	2.04

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

(2) Data measured monthly, supplied by U.S. Weather Bureau.

* - Adjacent drainage

APRIL PRECIPITATION DATA

(Measured at or near Snow Courses) (1)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from Date of April 1 Snow Survey to Approximately May 1					
		Date of Read. 1961	Precipitation 1962 (In)	Past Record 1961 (In)	Past Record 1960 (In)	Past Record Yrs. of Record	Past Record Av. for Record Period (In)
Price River							
Clear Creek	8300	4/30	1.48	1.18	1.56	26	1.91
Clear Creek Ridge #2 *	8000	4/25	2.15	2.00	2.84	6	2.64
Gooseberry Reservoir	8700	4/26	1.92	1.75	3.33	8	2.87
Indian Canyon	9100	5/1	0.73	0.45	2.05	2	1.25
Mammoth R.S. #2	8600	4/26	2.25	1.54	3.58	2	2.56
Mud Creek #2	8300	4/26	1.35	1.70	2.96	5	2.35
White River #1	8600	4/28	1.35	1.10	2.70	5	2.04
San Rafael River							
Buck Flat	9400	4/23	2.30	2.60	2.00	6	3.07
G.B.R.C.Meadows * (2)	10000	4/27	2.96	4.18	3.74	26	3.68
Gooseberry Reservoir *	8700	4/26	1.92	1.75	3.33	8	2.87
Red Pine Ridge	9400	4/26	2.84	2.60	2.50	7	3.76
Stuart R.S.	7950	4/27	1.75	1.55	1.80	7	1.85
Fremont River							
Black's Flat-U.M. Creek	9250	4/23	1.60	2.98	1.67	6	2.87
Farnsworth Lake	9900	4/30	4.69	5.27	2.23	6	4.33
Escalante River							
Widtsoe-Escalante #3	9500	4/27	0.17	2.32	1.15	6	2.52

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

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

(3) U. S. Weather Bureau raingage measured by SCS personnel.

* - Adjacent drainage.

APRIL PRECIPITATION DATA

(Measured at or near Snow Courses) (1)

DRAINAGE BASIN and RAINGAGE LOCATION	Elev.	April Precipitation from Date of April 1 Snow Survey to Approximately May 1		Past Record			
		Date of Read. 1962	Precipitation 1962 (In)	1961 (In)	1960 (In)	Yrs. of Record	Av. for Record Period (In)
Virgin River							
Cedar Breaks * (3)	10320	4/27	0.15	2.45	3.35	3	2.47
Duck Creek R.S.	8560	5/1	0.25	1.75	2.50	10	2.02
Webster Flat	9200	4/27	0.13	2.05	3.05	10	3.14
Lower Colorado River (Southeastern Utah)							
Buckboard Flat	9000	4/19	1.24	4.55	1.45	6	2.71
Camp Jackson	8600	4/19	1.25	2.60	0.85	6	2.18
LaSal Mountain (upper)	9400	4/20	0.90	4.30	1.60	3	2.60

(1) Precipitation from non-recording raingages located on or near snow course and measured monthly, except that supplied by U.S. Weather Bureau, which was measured daily, as noted.

(3) U. S. Weather Bureau raingage measured by SCS personnel.

* - Adjacent drainage.

AVAILABLE SOIL MOISTURE

MAY 1, 1962

DRAINAGE BASIN & STATION	Station No.	Elev.	Soil Profile in Inches Depth	Soil Profile in Inches Cap.	Date	Soil Moisture Content in Inches about May 1 1962	1961	1960	Average **
COLORADO STATIONS									
ROARING FORK									
Placita	7K7*	8800	48	8.0	5/1	6.4	6.4	7.8	6.8
Maroon	6K25*	8400	48	8.0	5/1	7.8	7.4	7.8	7.4
UPPER COLORADO									
Vail	6K5*	9200	48	8.0	5/1	7.6	7.4	7.9	6.7
Ranch Creek	5K18M	9400	48	7.0	5/1	6.2	3.4	4.3	4.3
Berthoud Pass	5K20*	9800	48	8.0	5/1	7.6	5.5	3.0	4.1
Gore	5J15*	8900	48	7.0	5/1	6.7	0.7	6.4	5.5
Blue River	6K21M	10500	48	7.0	5/1	7.0	0.8	3.9	2.4
King	6L9*	10500	48	8.0	5/1	5.4	4.6	5.4	5.8
DOLORES									
Lizard Head	7M3M	10300	48	7.0	5/1	5.8	5.4	3.9	4.8
Dolores	8M1*	7500	48	7.0	5/1	5.7	5.6	4.2	4.2
Rico	7M1M	8700	48	7.0	5/1	5.0	5.0	3.5	4.4
SAN JUAN									
Mineral Creek	7M14M	10300	48	7.0	5/1	4.9	N.S.	4.8	5.7
Molas Lake	7M12M	10500	48	7.0	5/1	4.8	N.S.	4.4	5.5
Cascade	7M5M	8850	48	7.0	5/1	5.3	N.S.	4.9	5.8

* - Indicates soil moisture station only

M - Indicates soil moisture station on snow course

** - Average of all past record

N.S.- No Survey

SNOW SURVEYS - ABOUT MAY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
GREAT BASIN DRAINAGE								
UPPER BEAR RIVER (Above Harer, Idaho)								
Big Park	10G11	8700	4/27	50	22.1	12.3	14.3	19.8b
CCC Camp x	10G7	7500	4/26	0	0.0	0.0	4.5	6.0c
Burts-Miller Ranch d	10J6	7900	4/26	0	0.0	0.0	0.0	0.7b
Hayden Fork	10J7	9300	4/26	38	16.3	8.6	8.8	14.0b
Kelly Ranger Station	10G12	8200	4/27	43	19.2	10.3	12.8	15.3
Monte Cristo R.S.	11H12	8960	4/30	53	24.2	15.4	16.0	24.6b
Piney LaBarge x	10G10	8820	4/28	46	20.8	8.4	9.3	15.2c
Poison Meadows x	10G6	8500	4/28	86	37.1	20.5	23.9	29.8b
Salt River Summit	10G8	7900	4/26	21	10.6	5.7	8.4	10.8c
Stillwater Camp	10J17	8550	4/26	9	2.8	4.9	0.6	5.5b
Trial Lake x	10J8	9800	4/26	68	32.4	16.3	21.0	28.5b
LOWER BEAR RIVER (Below Harer, Idaho)								
Beaver Crk-Skunk Crk.	11H14	7150	4/30	0	0.0	0.0	T	3.4b
Dry Basin a	11G13	7900		No Report		27.2	- -	- -
Dry Bread Pond x	11H13	8230	4/30	25	11.0	6.5	9.4	13.3b
Emmigrant Summit	11G6	7350	4/26	39	17.9	- -	- -	- -
Franklin Basin R.S.	11G8	8200	4/25	48	23.2	19.2	19.8	27.4b
Garden City Summit	11H7	7600	4/27	21	9.1	8.4	7.2	14.0b
Horseshoe Basin a	11G14	8000		No Report		18.8	- -	- -
Klondike Narrows	11H1	7400	4/25	16	7.2	7.8	9.2	13.7b
Liberty Springs	11G15	8420	4/26	79	39.2	30.1	34.7	- -
Little Bear(lower)	11H26	6100	5/1	0	0.0	0.0	0.7	0.1b
Little Bear(upper)	11H25	6850	5/1	0	0.0	0.0	1.3	1.0b
Monte Cristo R.S.	11H12	8960	4/30	53	24.2	15.4	16.0	24.6b
Oxford Mountain	12G3	6800		No Report		0.0	4.9	- -
Steep Hollow #1	11H27	8500	4/27	67	33.6	26.3	32.4	- -
Steep Hollow #2	11H28	7700	4/27	27	13.0	14.4	14.8	- -
Strawberry Creek	11G9	5800	4/26	0	0.0	0.0	0.0	1.7b
Strawberry Mink Divide	11G10	6800	4/26	18	8.2	10.4	7.4	15.0b
Tony Grove R.S.	11H3	6250	4/27	0	0.0	0.0	0.0	0.5b
Willow Flat	11G4	6100	4/27	0	0.0	0.0	0.0	3.0b

x - Adjacent Drainage

b - Average of all past years

d - Formerly called Goodman Ranch

a - Aerial Marker, water content estimated

c - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MAY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
OGDEN RIVER								
Beaver Crk-Skunk Crk.	11H14	7150	4/30	0	0.0	0.0	T	3.4b
Ben Lomond (lower)	11H9	5850	4/26	0	0.0	0.0	7.9	3.5b
Ben Lomond Peak	11H8	8000	4/26	76	39.7	19.6	30.1	29.3b
Dry Bread Pond	11H13	8230	4/30	25	11.0	6.5	9.4	13.3b
Monte Cristo R.S. x	11H12	8960	4/30	53	24.2	15.4	16.0	24.6b
Mt. Ogden	11H10	8600	5/1	63	31.6	21.4	25.3	27.6b
Sagebrush Flat	11H15	6300	4/30	0	0.0	0.0	0.0	0.0b
Snow Basin	11H11	6420	5/1	T	T	0.0	3.5	4.1b
WEBER RIVER								
Beaver Creek R.S.	11J24	7500	4/26	0	0.0	0.0	0.0	0.9b
Chalk Creek #1	11J1	9100	4/25	50	20.9	17.2	17.4	23.3b
Chalk Creek #2	11J2	8000	4/25	21	8.7	9.3	6.5	10.9b
Chalk Creek #3	11J3	7500	4/25	0	0.0	0.0	1.4	1.2b
Lamb's Canyon x	11J14	6600	4/25	15	5.4	0.0	2.2	5.5b
Parley's Canyon Smt.	11J15	7500	4/28	13	5.0	5.9	4.9	9.9b
Redden Mine (lower)	11J6	8500	4/27	41	17.6	7.9	9.3	14.6b
Redden Mine (upper)	11J5	9000	4/27	45	19.9	9.4	9.8	16.5b
Silver Lake x	11J16	8725	4/29	62	30.2	14.9	17.4	24.2c
Smith & Morehouse	11J4	7600	4/27	10	4.1	T	1.4	5.0b
Trial Lake x	10J8	9800	4/26	68	32.4	16.3	21.0	28.5b
PROVO RIVER & UTAH LAKE								
Camp Altamont	11J20	7300	4/27	3	1.2	0.0	0.4	5.9b
Clear Creek Ridge #1	11K21	9200	4/25	41	17.6	9.0	9.8	15.5b
Clear Creek Ridge #2	11K22	8000	4/25	27	9.3	3.8	3.2	7.8b
Clear Creek Ridge #3	11K23	6600	4/25	0	0.0	0.0	0.0	0.2b
Daniels-Strawberry Smt.	11J23	8000	4/27	20	7.7	0.0	0.9	6.4b
Dutchman R.S.	11J17	7500	4/27	10	4.2	0.0	1.1	7.1b
Hobble Creek Summit	11J22	7300	4/24	13	5.6	1.8	1.0	4.1b
Packard Canyon	11J31	6400	4/24	0	0.0	0.0	T	0.4b
Payson R.S.	11K1	8050	4/25	31	13.3	7.8	7.8	10.9b
Rock Bridge	11K2	6750	4/25	0	0.0	2.9	0.0	4.5b
Soapstone R.S.	11J25	7800	4/26	12	4.2	T	0.0	4.0b
Timpanogos Divide	11J21	8140	4/27	40	18.2	6.2	10.2	18.7
Trial Lake	10J8	9800	4/26	68	32.4	16.3	21.0	28.5b
JORDAN RIVER & GREAT SALT LAKE								
Bevan's Cabin	12J2	6450	4/30	0	0.0	1.2	0.0	1.7b
Farmington Canyon(lower)	11J12	6950	4/27	49	21.5	15.6	16.8	19.3b

x - Adjacent Drainage
b - Average of all past years
c - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MAY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
JORDAN RIVER & GREAT SALT LAKE - Continued								
Farmington Canyon(upper)	11J11	8000	4/27	61.1	27.0	19.9	22.5	29.0b
Lamb's Canyon	11J14	6600	4/25	15.0	5.4	0.0	2.2	5.5b
Middle Canyon	12J3	7000	4/25	7.7	2.6	4.9	0.8	5.8b
Mill D South Fork	11J10	7400	4/29	19.5	7.6	4.5	4.3	11.2b
Parley's Canyon Smt. x	11J15	7500	4/28	13.4	5.0	5.9	4.9	9.9b
Rocky Basin-Settlmt.Cyn.	12J1	8900	4/30	62.6	27.3	20.6	23.4	22.7b
Silver Lake	11J16	8725	4/29	61.7	30.2	14.9	17.4	24.2c
UPPER SEVIER RIVER (South of Richfield, Utah)								
Big Flat x	12L7	10000	4/25	29.9	19.8	16.8	13.7	19.6b
Box Creek	12L4	9800	4/23	31.2	10.8	8.9	4.1	10.4b
Castle Valley	12M13	9700	4/30	3.5	1.2	2.6	1.3	6.2b
Cedar Breaks	12M1	10390	4/27	45.1	22.0	15.6	4.1	16.5b
Duck Creek R.S.	12M4	8560	4/26	13.5	4.9	0.0	1.7	4.5b
Fish Lake	11L3	8700	4/23	0.0	0.0	0.0	0.0	3.1b
Harris Flat R.S.	12M5	7700	4/26	0.0	0.0	0.0	1.1	0.4b
Kimberly Mine	12L6	8900	4/25	30.8	12.2	12.1	7.0	13.2b
Midway Valley	12M2	9800	4/27	43.6	20.8	16.8	11.6	18.8b
Panguitch Lake	12M7	8200	4/30	0.0	0.0	0.0	T	Trace b
Squaw Springs	12L5	9300	4/23	0.0	0.0	2.5	0.0	3.2b
Widtsoe-Escalante Smt.	11M1	9500	4/27	0.0	0.0	4.8	0.0	2.1b
Widtsoe-Escalante #2	11M2	9500	4/27	11.3	4.2	10.1	1.9	4.7b
Widtsoe-Escalante #3	11M3	9500	4/27	17.4	6.2	13.0	2.4	- -
LOWER SEVIER RIVER (Including San Pitch River)								
Beaver Dams	11K13	8000	4/25	20.8	8.9	8.2	1.5	5.3b
Farnsworth Lake	11L1	9900	4/30	53.0	20.7	18.6	16.9	18.4b
G.B.R.C. Headquarters	11K11	8700	4/27	40.2	17.3	14.5	8.2	14.1b
G.B.R.C. Meadows	11K10	10000	4/27	68.0	30.9	21.0	22.5	26.7b
Gooseberry R.S.	11L2	8400	4/30	21.2	6.7	8.6	3.6	6.5b
Gooseberry Reservoir	11K4	8700	4/26	45.0	21.4	10.3	12.7	17.3b
Mammoth R.S.-Cottonwd.Crk	11K3	8800	4/26	47.0	22.2	10.2	13.1	16.5b
Mt. Baldy R.S.	11K12	9500	4/25	65.9	29.1	20.7	19.7	22.5b
Pine Creek	12L1	8700	4/27	26.2	10.8	10.8	3.3	12.5b

x - Adjacent Drainage

b - Average of all past years record

c - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MAY 1, 1962

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS 1962 Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content (In) 1961	1960	1943-57 Av.
BEAVER RIVER								
Big Flat	12L7	10000	4/25	30	19.8	16.8	13.7	19.6b
Merchant's Valley	12L9	8200	4/25	T	T	0.0	0.0	3.6b
Otter Lake	12L8	9300	4/25	30	11.6	8.2	1.3	13.2b
PAROWAN CREEK								
Ed Ward Flat	12M12	8300	4/23	0	0.0	T	0.0	1.6b
Yankee Reservoir	12M11	8700	4/23	12	4.6	6.4	0.0	5.2b
COAL CREEK								
Cedar Breaks	12M1	10390	4/27	45	22.0	15.6	4.1	16.5b
Midway Valley x	12M2	9800	4/27	44	20.8	16.8	11.6	18.8b
Urie Flat	12M10	8450	4/27	0	0.0	0.0	1.0	1.0b
Webster Flat	12M3	9200	4/27	14	5.8	3.6	1.6	9.2b
COLORADO RIVER DRAINAGE								
COLORADO RIVER DRAINAGES IN UTAH								
BRUSH CREEK								
King's Cabin(lower)	9J2	8600	4/23	23	8.0	4.2	1.0	4.1b
King's Cabin(upper)	9J1	8730	4/23	33	11.4	4.5	1.7	5.8b
DUCHESNE RIVER								
Ashley Twin Lakes a	9J11	10500	4/30	36	14.2 a	New Aerial Marker		
Atwood Basin a	10J27	10250	4/30	21	7.4 a	New Aerial Marker		
Chepeta-Whiterocks Lakes a	9J9	10300	4/30	47	18.5 a	New Aerial Marker		
Daniels-Strawberry Smt.x	11J23	8000	4/27	20	7.7	0.0	0.9	6.4b
Five Point Lake a	10J26	11000	4/30	54	21.5 a	New Aerial Marker		
Indian Canyon	10K1	9100	5/1	26	10.4	4.7	3.3	6.8b
Julius Park	9J6	9800	4/25	35	13.9	11.4	4.0	- -
Lakefork Basin a	10J25	11100	4/30	51	20.5 a	New Aerial Marker		
Lakefork Mountain	10J10	10500	4/26	38	15.1	6.8	5.2	10.5b
Lakefork Mountain #2	10J11	8900	4/26	16	5.7	0.0	1.8	1.7b
Lakefork Mountain #3	10J12	8100	4/26	0	0.0	0.0	0.6	0.3b
Mosby Mountain	9J5	9500	4/25	32	10.8	7.1	2.5	8.0b
Paradise Park	9J3	10100	4/25	41	14.4	10.7	5.4	10.8b
Soapstone R.S. x	11J25	7800	4/26	12	4.2	T	0.0	4.0b
Trial Lake x	10J8	9800	4/26	68	32.4	16.3	21.0	28.5b
White River #1 x	10K2	8600	4/28	24	9.4	3.4	1.2	7.8b
Windy Park a	9J12	9400	4/30	39	13.8 a	New Aerial Marker		

x - Adjacent Drainage
a - Aerial Marker, water content estimated
b - Average of all past years record

SNOW SURVEYS - ABOUT MAY 1, 1962

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PRICE RIVER								
Corral	10K5	8200	4/30	0	0.0	N.R.	N.R.	- -
Gooseberry Reservoir	11K4	8700	4/26	45	21.4	10.3	12.7	17.3b
Grassy Trail Crk-L.Fk	10K3	7970	4/30	0	0.0	N.R.	N.R.	- -
Indian Canyon x	10K1	9100	5/1	26	10.4	4.7	3.3	6.8b
Mammoth R.S.-Ctnwd.Crk.	11K3	8800	4/26	47	22.2	10.2	13.1	16.5b
Mud Creek #2	11K33	8300	4/26	21	7.7	2.1	2.0	6.8b
White River #1	10K2	8600	4/28	24	9.4	3.4	1.2	7.8b
White River #2	11K24	7600	4/28	0	0.0	0.0	0.2	1.0b
White River #3	11K25	7400	4/28	0	0.0	0.0	T	0.3b
SAN RAFAEL RIVER								
Buck Flat	11K31	9400	4/23	46	18.2	11.6	11.4	15.8b
Gooseberry Reservoir x	11K4	8700	4/26	45	21.4	10.3	12.7	17.3b
Red Pine Ridge	11K28	9400	4/26	38	16.6	10.2	9.7	13.2b
Rush Pond	11K38	9800	4/23	40	15.1	8.9	6.4	10.7b
Seely Creek R.S.	11K9	10000	4/27	46	19.4	13.4	14.2	16.4b
Stuart R.S.	11K27	7950	4/27	0	0.0	0.0	0.1	1.8b
Switchback	11K26	8600	4/27	37	15.4	6.7	5.8	11.8b
Upper Joe's Valley	11K29	8800	4/26	16	5.2	3.3	1.3	4.7b
Wrigley Creek	11K32	9000	4/23	26	8.7	5.9	3.8	5.4b
FREMONT RIVER								
Black's Flat-UM Crk.	11L4	9250	4/23	23	7.6	7.3	5.5	8.6b
Farnsworth Lake x	11L1	9900	4/30	53	20.7	18.6	16.9	18.4b
Fish Lake	11L3	8700	4/23	0	0.0	0.0	0.0	3.1b
Johnson Valley	11L6	8850	4/23	0	0.0	0.0	0.0	2.9b
ESCALANTE RIVER								
Widtsoe-Escalante Smt.	11M1	9500	4/27	0	0.0	4.8	0.0	2.1b
Widtsoe-Escalante #2	11M2	9500	4/27	11	4.2	10.1	1.9	4.7b
Widtsoe-Escalante #3	11M3	9500	4/27	17	6.2	13.0	2.4	- -
VIRGIN RIVER								
Cedar Breaks x	12M1	10390	4/27	45	22.0	15.6	4.1	16.5b
Duck Creek R.S.	12M4	8560	4/26	14	4.9	0.0	1.7	4.5b
Harris Flat R.S.	12M5	7700	4/26	0	0.0	0.0	1.1	0.4b
Midway Valley x	12M2	9800	4/27	44	20.8	16.8	11.6	18.8b
Webster Flat	12M3	9200	4/27	14	5.8	3.6	1.6	9.2b

x - Adjacent Drainage

b - Average of all past record

SNOW SURVEYS - ABOUT MAY 1, 1962

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SOUTHEASTERN UTAH DRAINAGES								
Buckboard Flat	9M1	9000	4/19	23	7.9	7.2	4.5	- -
Camp Jackson	9M2	8600	4/19	9	2.4	2.8	3.3	- -
LaSal Mountain	9L1	8800	4/20	0	0.0	6.6	0.0	- -
LaSal Mountain(upper)	9L2	9400	4/20	31	9.8	13.4	12.1	- -
GREEN RIVER (Above Green River, Wyo.)								
Big Sandy Opening	9G8	9220	4/26	32	12.4	9.7	- -	- -
Dutch Joe R.S.	9G5	8700	4/26	15	5.7	4.8	0.0	4.5c
East Rim Divide	10F17	7950	4/23	30	11.6	5.8	2.9	10.5c
Grennier Meadows x	8G4	9000	4/23	41	15.6	7.1	6.8	15.5
Gros Ventre Summit	10F19	8750	4/29	36	11.9	10.4	6.7	10.8c
Kendall R.S.	10F15	7900	4/29	25	7.0	3.6	0.0	6.9c
Loomis Park	10F16	8500	4/23	38	16.6	9.6	6.0	14.0c
Mulligan Park	9G1	8900	4/24	26	11.0	7.0	0.0	8.0
Piney-LaBarge	10G10	8820	4/28	46	20.8	8.4	9.3	15.2c
Poison Meadows x	10G6	8500	4/28	86	37.1	20.5	23.9	29.8b
Snyder Basin R.S. #2	10G13	8040	4/28	33	15.1	5.0	5.6	11.3c
Soda Lake	10G14	8300	4/29	36	14.4	8.8	8.3	15.8c
South Pass	8G3	9000	4/23	40	14.5	10.0	4.3	16.3
Triple Peaks	10G15	8500	4/29	55	25.1	16.6	16.8	27.9c
GREEN RIVER (Green River, Wyo. to Flaming Gorge, Utah)								
Big Park	10G11	8700	4/27	50	22.1	12.3	14.3	19.8b
Black's Fork Jct.	10J22	8925	4/24	17	5.8	7.1	- -	- -
Buck Pasture a	10J23	9700		No Report		New Aerial Marker		
East Fk.Black's Fk.G.S.	10J21	9300	4/23	27	9.5	7.0	- -	- -
Henry's Fork a	10J24	10200		No Report		New Aerial Marker		
Hewinta R. S.	10J4	9500	4/23	20	6.8	9.8	- -	- -
Hickerson Park	9J8	9100	4/24	14	3.9	6.8	- -	- -
Kelly R. S.	10G12	8200	4/27	43	19.2	10.3	12.8	15.3b
Spirit Lake	9J7	10300	4/24	42	16.2	15.6	- -	- -
Steel Creek Park	10J20	9900	4/23	38	13.3	New Course		

x - Adjacent Drainage

a - Aerial marker, water content estimated

b - Average of all past record

c - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MAY 1, 1962

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YAMPA RIVER								
Bear River	7J3	9100	4/25	22	8.4	8.3	1.2	- -
Clark	6J13	7800	4/26	3	1.2	4.0	0.0	- -
Columbine Lodge x	6J3	9300	4/25	49	23.2	20.0	13.7	21.3
Dry Lake	6J1	8200	4/25	36	15.6	15.4	9.6	15.2
Elk River	6J4	8700	4/26	33	15.3	14.3	8.8	12.8
Lynx Pass x	6J6	9100	4/27	24	10.0	10.5	2.8	7.5
Old Battle x	6H10	9800	4/26	64	29.4	27.6	27.0	34.1
Rabbit Ears	6J9	9550	4/25	59	28.4	25.4	28.0	26.1c
Yampa View	6J10	8500	4/25	18	7.6	9.9	6.1	8.3c
WHITE RIVER								
Burro Mountain	7K2	9000	4/26	35	14.5	15.5	17.0	14.6
Rio Blanco	7J1	8500	4/27	24	10.3	12.6	1.0	10.2
UPPER COLORADO RIVER (Above Glenwood Springs, Colo.)								
Arrow	5K6	9900	4/26	25	8.9	10.8	8.2	7.8
Berthoud Pass	5K3	9700	4/27	41	15.8	15.5	13.1	14.3
Berthoud Summit	5K14	11300	4/30	70	21.1	19.8	21.7	20.2
Blue River	6K21	10500	4/26	19	5.3	5.7	2.3	- -
Cameron Pass x	5J1	10300	4/26	83	36.5	27.5	26.0	25.6
Cooper Hill x	6K23	10800	4/28	52	15.2	10.4	16.3	- -
Fiddlers Gulch	6K5	11000	4/30	49	17.0	14.6	15.3	15.9
Fremont Pass	6K8	11400	4/26	62	21.2	16.0	19.2	18.6
Frisco	6K13	9300	4/26	16	5.7	5.2	0.9	5.6c
Glen-Mar Ranch	6K20	8850	4/26	8	2.9	7.0	0.0	4.8c
Gore Pass	6J11	8900	4/27	21	8.2	8.5	1.9	9.5c
Granby	5J16	8700	4/26	9	3.2	3.6	0.0	2.9c
Grand Lake	5J19	8600		No Report		4.5	1.3	3.8c
Grizzly Peak	5K9	11250	4/25	56	21.3	19.2	18.2	20.1
Hoosier Pass x	6K1	11400	4/26	41	12.9	12.3	11.4	11.9
Jones Pass	5K21	10400	4/25	40	15.7	17.4	13.5	- -
Lake Irene	5J10	10600	4/30	66	25.6	18.1	23.0	24.3
Lapland	5K7	9300	5/1	27	9.0	7.9	3.3	9.1
Lulu	5J7	10200	4/28	68	25.4	16.8	18.2	19.0
Lynx Pass	6J6	9100	4/27	24	10.0	10.5	2.8	7.5
Middle Fk.Camp Ground	5K4	9000	4/26	13	4.9	9.7	2.2	6.0
Milner Pass	5J24	10100	4/30	38	14.2	11.5	10.2	10.5c
Monarch Lake	5J14	8500	4/29	20	5.9	6.1	4.9	5.4c
N.Inlet Grand Lake	5J9	9000	4/30	23	6.3	5.4	3.3	7.0
Pando	6K19	9500	4/26	19	6.1	8.9	5.0	8.1c

x - Adjacent Drainage

c - 1943-57 Adjusted Average

SNOW SURVEYS - ABOUT MAY 1, 1962

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UPPER COLORADO RIVER - Continued								
Phantom Valley	5J4	9300	4/30	21	7.5	6.3	2.8	6.6
Ranch Creek	5K18	9400	4/26	24	7.0	9.8	6.8	- -
Shrine Pass	6K9	10500	4/26	62	23.1	19.0	20.5	18.7
Snake River	5K16	9700	4/25	2	0.1	3.8	0.0	5.6c
Summit Ranch	6K14	10000	4/27	13	3.8	6.7	0.9	6.6c
Tennessee Pass x	6K2	10200	4/28	28	9.3	8.7	6.2	6.8
Vail Pass	6K15	10000	4/26	45	16.5	13.5	10.8	16.8c
Vasquez Creek	5K19	9600	4/26	39	14.2	10.7	10.9	- -
Willow Creek Pass	6J5	9500	4/26	34	14.3	13.2	7.6	11.5
ROARING FORK								
Aspen	6K22	9700	4/23	66	20.9	15.6	16.3	- -
Ind. Pass Tunnel	6K4	10200	4/28	55	19.3	20.7	15.4	17.8
Ivanhoe	6K10	10400	4/26	68	24.0	14.4	- -	17.8c
Lift	7K10	11250	4/23	83	26.3	19.1	10.8	- -
Nast	6K6	8700	4/25	2	0.1	2.1	1.4	1.6
North Lost Trail	7K1	9200	4/27	20	8.6	11.7	0.4	8.8
PLATEAU CREEK								
Mesa Lakes	7K4	10000	4/28	35	15.0	18.9	16.4	14.4
Trickle Divide	7K5	10000	4/28	74	32.8	27.7	27.0	29.4
GUNNISON RIVER								
Alexander Lake	7K3	10000	4/26	59	26.1	21.9	22.5	22.7
Blue Mesa	7L2	8700	4/27	4	1.0	3.0	0.4	- -
Cochetopa Pass x	6L6	10000	4/24	10	2.6	6.6	0.0	2.8c
Crested Butte	6L1	9000	4/26	20	9.3	10.0	0.0	7.9
Ironton Park	7M6	9800	4/27	21	6.8	14.3	8.7	7.0
Lake City	7M8	10300	No Survey			3.8	3.4	3.1c
McClure Pass	7K8	9500	4/27	28	11.6	9.3	4.2	12.2c
Park Cone	6L2	9700	4/27	31	11.4	7.9	7.9	7.4
Park Reservoir	7K6	9500	4/28	63	28.7	25.8	23.7	25.5
Porphyry Creek	6L3	10700	4/27	50	19.9	17.9	15.6	16.7
Red Mountain Pass	7M15	11000	4/27	81	35.3	32.5	33.5	25.6c
Trickle Divide x	7K5	10000	4/28	74	32.8	27.7	27.0	29.4
DOLORES RIVER								
Lizard Head	7M3	10300	4/27	39	17.9	15.6	14.3	12.9
Rico	7M1	8700	4/27	0	0.0	0.0	0.0	1.3
Telluride x	7M2	8600	4/27	0	0.0	3.0	0.0	1.2
Trout Lake	7M9	9700	4/27	27	10.0	11.6	12.2	8.6c

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SNOW SURVEYS - ABOUT MAY 1, 1962

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SAN JUAN RIVER								
Cascade	7M5	8850	4/27	8	3.0	4.9	3.0	2.9
Howardville	7M13	9800	4/27	25	9.8	8.8	9.9	5.0c
Ironton Park x	7M6	9800	4/27	21	6.8	14.3	8.7	7.0
Mineral Creek	7M14	10300	4/27	30	11.3	13.3	12.1	9.3c
Molas Lake	7M12	10500	4/27	26	9.7	7.6	5.0	6.7c
Red Mountain Pass x	7M15	11000	4/27	81	35.3	32.5	33.5	25.6c
Silverton Sub-Station	7M4	9400	4/30	0	0.0	0.9	0.0	0.5
Spud Mountain	7M11	10700	4/27	60	26.2	21.5	20.8	21.2c
Upper San Juan	6M3	10000	4/30	66	35.5	26.9	19.8	30.3
Wolf Creek Pass x	6M1	10000	4/30	63	28.0	21.2	20.1	25.4
Wolf Creek Summit	6M17	11000	4/30	88	37.1	27.8	34.5	30.5

x - Adjacent Drainage

c - 1943-57 Adjusted Average