### Foreword

How Forecasts Are Made	letes high in the r estimate the runo water equivalent at data are viewed it comprehensive pl includes selected	I streamflow in the Western United States originates as snowfell. This snowfail accumu- monatains during which and samy spring, As the snowpeck accumulates, therebooks that will coccumulate threath Predictions are based on cantel threasurements of drows no columbon with snowpeck datas to preserve used? forecasts. This report presents a torue of water supply culocic contilistions or same dependent more snakes and there of water supply culocic contilistions of neares dependent more snakes non- til steamflow forecasts, summatized snowpack and precipitation data, reserver storage
	Service hydrologis For this reason, fo Average, end Abov	sist are occessiblely generated by Solf Conservation Service and National Wabhers is Screepist become more accurate as more data affecting nuclei baccess account oncessist are issued their effect thme future peoplitation conditions — Balow Normal, Normal, These forcessists are termed respensible infinitymu, most probubic, and reasonable streamflow can be expected to fail between the lower and upper forecest values eight
	Manual readings monthly or semi- temperature, and	e obland by using a combination of marcual and automated measurement methods of show depth and werke equivalent fare taken at locations called show courses on a monthly cohecide during the winter. In addition, snow water equivalent, precipitation, once parameters are monitories of a dubly basis and transmitted via and/o kernendy Jection facilities. Both monthly and daily data are used to project anowmelt runoff.
For More Information	listed below. Beor reports. An annue	Villeier Supply Outlock Reports and other reports may be obtained from the states ause of the limited space, snow survey measurements ere not poblished in monthly I anow survey data summary is published by the Soli Conservation Service for each task. Historice anow survey data may be obtained at those same officies.
	STATE	ACORESS
	Aleska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
	Arizona	201 East Indiancia, Suite 200, Phoenix, AZ 85012
	Colorado	2490 West 26th Ave., Deriver, CO 80211
	New Mexico	517 Gold Ava. S.W., Room 3301, Albuquerque, NM 97102
	ldaho	304 North 8th Street, Room 345, Bolse, ID 83702
	Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715

Nevada 1201 Terminal Way, Boom 219, Bono, NV 89502

- evalua 1201 terminar way, hoorin 216, herro, hv edouz
- Oregon 1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
- Utah 4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
- Washington 380 U.S. Court House, Spokane, WA 99201
- Wyoming Federal Building, 100 East "B" Street, Casper, WY 82801

In addition to state reports a Water Supply Outlook for the Western United States is published by the Sol Conservation Service and Vestional Wester Service western contribution Service 31 Vorthwest Benotes and obtained from the Sol Conservation West Netional Rehindlow Conservation Westman Conservation (Service 31 Vorthwest Benoatway, Norm 847, Performand, OB 97200

Published by other agencies:

Water Scoph Callock Reports prepared by other operaties include: Cellionia — Snow Survey Brench, Callelinn Ebenimmet of Water Resources PC Box SS, Sarstrevents CA SSSC British Columbia — The Very SCopher Strategy and Strategy and Strategy and Strategy and Strategy and Strategy and Strategy WW SC: Very Smith of Strategy and Strategy and Strategy and Strategy and Strategy and Strategy and Strategy Responses and Strategy and Strategy

# Utah Water Supply Outlook

## and

Federal - State - Private Cooperative Snow Surveys

#### issued by

Wilson Scaling Chief Soil Conservation Service Washington, D. C.

#### Released by

Francis T. Holt State Conservationist Soil Conservation Service Salt Lake City, Utah

#### In cooperation with

Utah State Department of Natural Resources Robert L. Morgan D. Larry Anderson State Engineer Director Division of Water Rights Division of Water Resources

#### Prepared by

Jon G. Werner Snow Survey Supervisor Soil Conservation Service 125 So. State St., Fed. Bldg. P. O. Box 11350 Salt Lake City, Utah 84147

Programs and assistance of the United States Dapartment of Agriculture are available without regard to rece, orazd, color, sax, age, or national origin.

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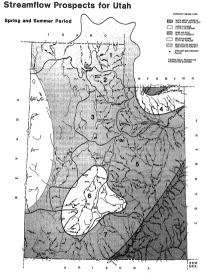
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#### GENERAL OUTLOOK

#### SUMMARY:

Nuch warmer and driar weather than normal in Aaril produced mells on some sizes nearly a month earliar than usual and caused the loss of two to more than and heavies than normal mells will compress the runnof season and reduce loss essens streamflow levels. Paristence of Bolow normal presisittion will the stream of the season streamflow levels. Water shortsges are excerted to materialize in areas relying on neurois streamflow and areas lacking dequite stored water. Timely, show normal properties ould reduce the impact of impanding prototies.

#### SNOWPACK:

Earlier than normal commencement of snowmalt in addition to warmer and drier than normal weather conditions in Anril have depleted the snownack in Utah from almost two to more than four times as much as usual during the month. The Provo River-Utah Lake-Jordan River watershed experienced the greatest April 1 to May 1 decrease in snow water content on record. One month ago the statewide snowpack was 77% of average. Snow water measurements taken the last week of April were only 45% of average--a drop of 32% from the previous month. Area by area percentages range from 0% on the Enterprise-New Harmony drainages to 114% on the Escalante River watershed. Near average snowpack in addition to the Escalante River drainage was measured on the La Sal Mountains and on Sheep Creek (north slope Uintas). All other areas of the State have below average snow water content.

#### PRECIPITATION:

April presipitation at mountain and valley stations was generally much balow severage across the State. In furthern With April 10 normally the wettest month east of the Great Sait Lake and southwend over Utah Lake reserved less than 200 of normal. Some stations reported the lowest April Benounts ever resorded the lowest April Benounts ever resorded 75. Echo Dem-45 and Morgan-S1). Elsewhere in northern Utah precipitation smooths were generally 10 to 40% of swerges. April presipitation in southern Utah van formal. O tober through April presipitation is of generally 45-75% of normal in the North, 60 to 85% in the South and near normal over eastern areas of the State.

#### RESERVOIRS:

Twenty-six key irrigation reservoirs in Uteh are holding B84 of their accountated usebile cospecity which is 117% of average for the and of April. About their usebile cospecity filled. Record warm temperatures in April resulted in much earlier than normal demanf of irrigation releases. On Strukery Reservoir, for example, this was only the second year releases in April. Additionally, the warm wasther produced greatly increased snow melt in April which will reduce late eason flows and forther increase the demand for stored water. Nuch balow average decreased the supply of stored water.

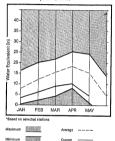
#### STREAMFLOW:

The abnormally warm and dry weather experienced in April has had and will continue to have an impact on the runoff timing and volume this year. Early and rapid snow melt will lead to early runoff peaks but low late-season flows. With numerous precipitation stations in northern Utah reporting seasonal accumulations in the bottom 10% of their record. there may be some reason for concern if dry conditions persist. The majority of "most probable" forecasts across the State new range from 30 to 70% of average assuming normal precipitation through the forecast period. If below normal precipitation persists, observed flows may more nearly approximate the "reasonable minimum" forecasts presented in this report. If "reasonable minimum" flows materialize. unforeseen water shortages may aleo materialize, especially in areas where stored water is unavailable.

Porecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the Mational Weather Service in an effort to provide the best possible service to water users and managers.

## **Bear River Basin**





#### WATER SUPPLY OUTLOOK:

Snow surveys than the last wesk in April on the Geer River waterhold revel the effects of the second warre temperatures and low precipitation experienced during 28 of norsel. The acourt be shird actionage is only 28 of norsel. The acourt be shird actionage is only response to a prime and second action of the april 7 of the shirt of the second action of the second precipitation during the second ports i precipitation during the above severge.

For more information contact your local Soil Conservation Service Office: Tremonton Field Office 801-257-5403 Logan Field Office 801-753-5616

#### BEAR RIVER BASTN

FORECABT POINT	FORECAST	25 YR. AVG.	HOST PROGABLE		REAG. MAX.	REAG. HAX,	REAS. HIN.	READ. MEN.
	PERICO	(1000AF)	(1000AF)	(X ANG.)	(1000AF)	(2 AVG,)	(1000AF)	(1 AUG.)
BEAR RIVER near UI-WY Stateline	HAY-JUL	105.0	45.0	14	\$1.0	77	54.0	51
BEAR near Woodruff	ZAY-JUL	526.0	\$0.0	40	97.0	77	36.0	29
WOODRUFF CREEK near Woodruff	HAY-JUL	15.1	5.8	45	10.0	66	4.0	26
BIG CREEK near Randolph	MPR-JUL	5.3	3.0	57	6.0	113	0.8	15
BEAR near Randolph	MAY-JUL	95.0	39.0	41	83.0	87	10.0	11
THOMAS FORK near Stateline	APR-SEP	37.0	10.0	27	17.0	46	4.0	11
SMITHS FORM near Bonder	APR-SEP	122.0	10.0	41	75.0	61	35.0	29
BEAR RIVER near Harer	APR-SEP	326.0	\$3.0	29	155.0	48	39.0	12
LOGAN RIVER near Logan	HAY-JUL	10710	40.0	56	75.0	70	46+0	43
BLACKSHITH FORK near Hyrom	HAY-JUL	38.0	14,1	. 37	27.0	71	3,0	8
LITTLE BEAR RIVER near Paradise	BAY-JUN	29.0	10.7	37	21.0	72	3.0	10
CUB RIVER near Preston	HAY-JUL	42.9	15.6	37	31.0	72	5.0	12
		69.86		Concertion of the				

#### STREAMELOH FORFCASTS

RESERVOIR BIORAGE

(1000AF)

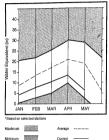
#### WATERSHED SHONPACK AND YETS

	UBEABLE I CAPACITY	XX USE THEE	ABLE STO	RAGE ##	NATERBHED	ND : COURSES	THIS	KS 2 OF	
RESERVOIR	CNPWCITY	YEAR	YEAR	NVG.	NATESCOPE	AVG'D	LAST	YR.	AVERADE
BEAR LAKE	1421.0	SUB15	1123,8	1059.0	BEAR RIVER, UPPER IN UTAH	6	31		\$2
HYRUN	15.3	15-4	11-2	19.2	BEAR RIVER, LONER IN UTAM	8	19		25
PORCUPINE	11,3	14.8	11.8	9:5 1	BEAR RIVER DRAINAGE IN UT	13	24		32
NODORUFF NARROWS	55.8	57.8	\$7.7		BEAR RIVER, UPPER (above	12	22		35
NODORUFF CREEK		NO REPI	ar.		GEAR RIVER, LONER (below	11	14		19
					BEAR RIVER CRAINAGE	21	20		27
					LOGAN RIVER	5	57		26
					RAFT RIVER	0	ø		ø
					BEAR RIVER BABIN	23	24		28
							15.35		Sec. 1

Ress. max. and reas. min. forecasts are for 5X and 95X exceedance lavels and also (2) balow.
Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1921-15 base period.

# Weber & Ogden Watersheds





#### WATER SUPPLY OUTLOOK:

April momenti was more than twice normal as a result of record wars temperatures and below versage precipitation. High temperatures and low prespirations and the second second second second water content as usual. Streamflow forecasts for the May-lume period fails a versage of 11 from levels forecast last month as a result out above average interin intering accest function with not find.

For more information contact your local Soil Conservation Service Office: Lavton Sub Office 801-544-9144

#### WERER & OGDEN WATERSHEDS in Utah

FORECAST POINT	FORECAST PERIOD	25 YR. MVG. (100DAF)	HOST PROBABLE (1000AF)	HOST FRODABLE (X AVG.)		REAS, HAX, IX ANG,)	SEAS, HIN. (1000AF)	REAS. MIN. (X ANG.)
EDER RIVER pear Dakley	BAY-JUN	93.0	71.0	.76	86.0	92	57.0	61
ROCKPORT RESERVOIR inflow	HAY-JUN	102.0	68.9	67	92.0	90	46.0	45
WALK CREEK near Coslville	NAY-JUN	34.0	25.0	74	35.0	103	17.0	50
EBER RIVER near Coalville	HAY-JUN	105.0	69.0	66	93.0	89	46.0	44
OGT CREEK near Croyden	HAY~JUN	11.2	5.6	50	9+0	80	2,0	18
AST CANYON CREEK near Morgan	HAY-JUN	19.0	13,4	58	18,0	95	7,0	37
AROSCRABBLE CREEK near Portarville	APR-JUN	18,4	12.0	65	19.0	103	5.0	27
OUTH FORK OGDEN RIVER near Huntsvil	HAY-JUN	43+0	25.0	:0	37.0	69	15.0	35
INEVIER RESERVOIR inflow	HAY-JUN	74.0	30.0	41	45.0	61	17.0	23
HEELER CREEK near Huntsville	APR-JUL	6,5	3.6	58	5.0	77	3.0	46
CHO RESERVOIR inflow	HAY-JUN	128.0	85.0	\$6	114.0	89	57.0	45
EBER RIVER at Gataway	APR-JUN	928.0	225.0	69	287.0	88	163,0	50
ARMINGTON CREEK near Farmington	MAY-JUL	6.7	4,2	45	7.0	104	2.0	30

#### STREAMFLOW FORECASTS

REBERVOIR BTORAGE

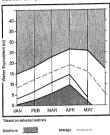
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HATERSHED SNOWPACK ANALYSIS

REBERNOIR	USEABLE 1 CAPACITY1	XX USE THIS YEAR	ABLE STORI Last Year	AGE XX I AVG.	WATERSHED	NO. COURSES AVIG'O	THIS YEAF	AS Z OF AVERAGE
CAUGEY	619	7.4	2.9	2.8	OGDEN RIVER	4	24	31
EAST CANYON	48,1	44.1	40.2	41.5	HEBER RIVER	15	27	36
ECHO	73.9	70.7	26.9	54.2	REBER & GODEN NATERSHEDS	19	26	35
LOST CREEK	20.0	19.0	14.2	14.3				
PINEVIEW	110.1	17.7	78.ra	76.6				
ROCKPORT	60.7	45.1	24.4	74.8				
WILLARD BAY	165+5	14575	165/1	139.7				

Reak, max, and reak, min, forecosts are for 5% and 95% exceedance levels and also (2) below.
Corrected for upstream diversions or changes in reservoir storage. The average is computed for the 1961-05 base pariod.

# Utah Lake, Jordan River & Tooele Valley



#### Mountain snowpack\* (inches)

#### WATER SUPPLY OUTLOOK:

Minimum

During in viewage April the Provo R.-Uthh Lake-Jordn R., watershed only loses 3.1 inches of enow water to melt. This April the watershed lost 10.7 inches - almost three and one-half times normal April meit. The abnormally high melt combined with below normal April 1 enowach hemeiles forecast, down an ower and a fill enowach hemeiles forecast, down an ower and a fill enowach hemeiles forecast, down an ower and a fills from last month, now range from 40 to Skot average. Reservoir storage is above average.



#### UTAH LAKE, JORDAN RIVER & TODELE VALLEY

FORECAST POINT	FORECAST PERIOD	25 TR. AVG. (1000AF)	HOST PROBABLE (1000AF)	PROBABLE (2 MVGs)	REAS, MAX, (1000AF)	REAS, MAI, (X AVG,)	REAS. MIN. (1000AF)	HEAS. HIN. (I AVG.)
			00.2763	Contract.				
PROVO near Hailstone	HAYTJUL	100.0	\$2.0	52	71.0	71	35.0	25
PROVO below Geer Ereek Gan	MAY-JUL	108.0	56.0	52	\$2.0	76	30.0	28
AHERICAN FORK near American Fk.	HAY-JUL	30.0	20.0	67	24.0	90	17.0	57
WABBLE CREEK near Springville	KAY~JUL	16.8	6.7	40				
STRANGERRY RESERVOIR inflow	APR-JUL	50.0	26.0	43	37.0	62	15.0	25
AYSON CREEK near Payson	MAY-JUL	5.8	3.5	53				
THE LAKE inflow	hay-jul	211.0	140.0	66	205.0	97	75.0	35
ITTLE COTTONHOOD CRK neer SLC	HAY-JUL	38.0	26.0	68	29.0	76	24.0	63
IG COTTONNOOD CRK mear SLC	MAY-JUL	35.0	26.0	74	29.0	83	22.0	63
WALEY'S CEEK near BLC	MAY-JUL	13.0	6.0	45	10,0	77	2.0	15
ILL CREEK near SLC	MAY-JUL	5.9	3.6	<b>61</b>	4.0	68	3.0	51
ENIGRATION CREEK near SLC	HAY-JAL	3.2	1.3	41				
ITT CREEK mean SLC	NAY-JUL	7,8	3.8	49	5.0	64	3.0	38
ETTLEMENT CREEK near Topole	HAY-JUL	2.1	1,8	86	3.0	143	1.0	46
QUTH WILLOW CREEK near Grantsville	MAY-JUL	2.7	1,6	59	3,0	111	0.0	0
EKNOR CREEK near Version	RAY-JUN	0.8	0.4	50	0.8	95	0,1	13
		100						

#### STREAMFLOH FORECASTS

RESERVOIR STORAGE

(1000MF)

WATERSHED SNONPACK ANALYSIS

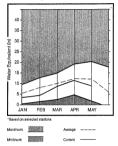
RESERVOIR	UGEABLE I CAPWCITYI I	KK US THIS YEAR	EABLE STOR LAGT TEAR	AGE XX	WATERSHED	NG. COURSES AVS'D	THIS YEAK	NVERAGE
DEER CREEK	149.7	146.1	97.4	105.9 1	PROVO REVER & UTAH LAKE	10	22	28
GRANTSVILLE	3.3	3.2	3.3		PROVO RIVER	5	18	26
SETTLEHENT CREEK	1.0	0.8	9.9	0.7	JORDAN RIVER & GREAT SALT	5	20 .	23
STRANBERRY-EMLARGED	951.4	551,8	421.6	1	TONELE VALLEY NATERSHEDS	3	37	91
UTAH LAKE	883.9	849.0	1248.6	766.8	UTAH LAKE, JORDAN RIVER &	18	23	27
VERNON CREEK	0.6	915	016	0.6				

1

Ross. max. and ress. min. forecasts are far 51 and 951 exceedance levels and also (2) below.
Corrected for uptimam diversions as changes in reservoir storage.
The workage is computed for the 1961-85 base period.

## Uintah Basin & Dagget SCD's





#### WATER SUPPLY OUTLOOK:

Snowmait on the high Uintas usually commences after mid-April with the highest sites normally evolding mail until well into May. This year, however, the elevation 11.100 "begin meat on April 15-27 days earlier than usual. Earlier and greater (4 1/2 times) than normal melt have left May 1 now at 574 of swrage. Forecasts now range from 30 to 1044 of Mayrian the state of the state of the state of the fastroge is more size of the state of the state of swrage. Forecasts now range from 30 to 1044 of Mayrian the state of the state of the state of the state state of the state of the state of the state of the state fastroid state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state state of the state state of the sta

#### WINTAH BASIN & DAGGET SCD'S

FORECAST POINT	FORECAST PERIOD	AVG. (1000AF)	(1000MF)		(100(AF)			
UCHESHE RIVER near Tebiena	MAY-JUL	95.0	56.0	51	68.0	71	44.0	46
IUCHESNE RIVER near Duchesne	APR-JUL	189.0	\$10,0	58	126.0	72	85.0	45
TRANBERRY RIVER at Duchesne	APR-JUL	69.0	30.0	43	40.0	58	21,0	30
OCK CREEK near Hountain Home	HAY-JUL	90.0	54.0	60	68,0	76	43+0	48
URGANT CREEK near Fruitland	HAY-JUL	16.6	5.0	30	8.0	48	3.0	18
AKEFORK RIVER new Hountain Home	NAY-JUL	67.0	48.0	72	59.0	88	38.0	57
ELLOWSTONE RIVER near Altonah	HAT-JUL	62.0	47.5	. 76	64+0	103	30.0	46
UCHESNE neer Hyton	NAY-JR.	18610	6010	43	128.0	69	24.0	13
HITE ROCKS RIVER near Whiterocks	HAY-JUL	57.0	43.0	75	60.0	105	26.0	46
INTAH RIVER near Neola	KAY-JUL	84.0	<b>\$2,0</b>	71	93.0	111	31,0	37
UCHESHE near Randlett	APR-JUL	257.0	175.0	68	347.0	135	70.0	27
EBT FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	15,5	55	20,0	71	11.0	39
ENKY'S FORK near Manila	APR-GEP	51.0	53.0	103	68,0	133	42.0	82
LACK'S FORK news Hillburne	APR-JUL	90.0	75.0	83	98,0	109	\$5.0	63
LAKING CORDE RESERVOIR inflow	APR-BEP APR-JUL	1441.0 1267.0	850+0 780+0	59 62	1110.0 1010.0	77 80	620.0 575.0	43 45
SHLEY DREEK near Vernal	HAY-JUL	20.0	37.15	. 34	47.0	94	29.0	58

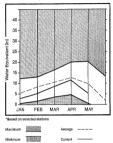
#### STREAMELOW FORECASTS

	RESERVOIR STORAGE		(1000AF)		I HATERSHED SN	orpack an	ALYSIS	
RESERVOIR	UGEABLE I CAPACITY		EABLE STO	RAGE XX	I NATERSHED	ND, COURSES	THES YE	AR NS Z OF
	1	YEAR	YEAR	AVG.		W/G'D	LAST YR	WERAGE
FLANDING GORGE	3749.0	9136.9	2939.0		UPPER GREEN REVER in UTAH	13	59	69
NDON LAKE	35.8	27.4	25,4	18,1	ASHLEY CREEK	2	40	4
RED FLEET	26.0	20.4	19.7	5	BLACK'S FORK RIVER	3	60	70
STEINAKER	33.3	31.3	29.1	23.0	SKEEP CREEK	2	87	100
STARVATION	165.3	163,8	145.15	113 8	OUCHESHE RIVER	14	46	. 65
STRANBERRY-ENLARGED	951.4	551.8	426/6		. LAKE FORK-YELLOWSTOKE CRE	3	50	80
					STRANDERRY RIVER	4	13	15
					UINTAN-NAITEROCKS RIVERS	4	51	78
					UINTAH BASIN & GAGGET SCO	29	51	67

1

Reas, wax, and reas, min, forecosts are for XX and SSX exceedance levels and also (2) below.
Corrected for upstream diversions or charges in reservoir storage.
Recorrect the 1961-05 base period.

## Carbon, Emery, Wayne, Grand, and San Juan Co.



#### Mountain snowpack\* (Inches)

#### WATER SUPPLY OUTLOOK:

Snowson' In southeastern Uteh ranges from 12% of sverage on the Book Glift to 112% on the La Sala following a warmer and driar then normal April which say almost twice normal for the normal April which say almost the same of the same say almost for the same of the same same say almost only four streams in the San Juan River being two of only four streams in the Sate with Move average flows appected this irrightion sameson. Stored wat wolmes than is normal for the end of April.



FORECAST POINT	FOREDAST	25 YR. AVG.	HOST PROGNOLE	NOST PROBABLE	REAG.	REAG.	REAS.	REAS.
	PERIOD	(1000AF)		(X AVC.)	(1000#F)	IX AVG.)	(1001AF)	(2 AVG.)
DJOSEBERRY CREEK near Scofield	HAY-JUL	11.1	5.9	59	8.0	72	4,0	36
SCOFIELD RESERVOIR inflow	PAY-JUL	41.5	17.0	41	24,0	58	12.0	29
PRICE noar Heiner	HAY-JUL	70.0	32.0	46				
LECTRIC LAKE Inflow	MAY-JUL	13,9	6.0	43	8.0	58	4.0	29
UNTINGTON CREEK near Huntington	HAY-JUL	48.9	23.0	47	31.0	63	16.0	33
OTTONNOOD CREEK near Orangoville	MAY-JUL	43.0	23.0	\$3	36.0	94	10.0	23
ERRON CREEK near Ferron	HAY-JUL	28.0	21.0	55	29.0	76	13,0	34
ODY CREEK near Emery	APR+JUL	21.0	11.5	55	16.0	76	7,0	33
LORADO near Cisco, UT	APR-JUL MAY-JUL	3457.0 2649.0	3250.0 2490.0		4080.0 3130.0	118 118	2525.0 1935.0	73 73
EN nøer Green Rv., UT	APR-JUL MAY-JUL	3182.0	2100.0 1715.0	66 60	2705.0 2210.0	85 85	1495.0	47 47
LL CREEK mear Hoab	HAY-JUL	4.7	5.0	106	6.0	128	4.0	85
WAJO RESERVOIR inflow	APR-JUL HAY-JUL	764.0	925.0 653.0	121 121	1140.0 805.0	149 149	740.0 525.0	97 97
AN JUAN meer Bluff, UT	APR-JUL HAY-JUL	1091.0	1310.0	119 119	1640.0 1190.0	150 150	1025.0 745.0	94 94
WEN NILE CREEK near Fish Lake	APR-JUL	6,5	5.0	77	6.0	92	4.0	62

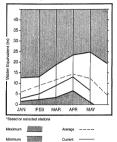
STREAMFLOW FORECASTS

	RESERVOIR STORAGE		(1000MF)		WATERSHED SA	IOHPACK AN	WIYSIS	
RESERVOIR	USEABLE I CAPACITYI		ABLE STOR LAST YEAR	AGE XX AVG.	HATERSHED	ND, COURSES AVG'D	*******	AN AS X OF
NUNTINGTON BORTH	3.9	4.1	3.7	3,9	PRICE RIVER	3	15	19
JOE'S VALLEY	54.6	48.2	48.1	46.8	SAN RAFAEL RIVER	7	47	54
KEN'S LAKE	2,3	1,0	1.6	- 44	HUDPY RIVER	2	21	18
MD.L SITE	16.7	14.8	. 9.9	6.3	FREMONT RIVER	3	44	26
SCOFIELD	65.8	57.4	45.7	36.6	LASAL HOUNTAINS	2	129	112
				980	BLUE HOUNTAINS	2	355	70
					NILLON CREEK - WHITE RIVE		•	ø
					CARBON, EMERY, WAYNE, GRA	20	57	54

Reas, max. and reas, min. forecasts are for 3% and 95% exceedance lawels and also (2) below.
Corrected for upstream diversions or changes in reservair storage.
Re average is computed for the 19(1=5) base period.

## Sevier & Beaver River Basins





#### WATER SUPPLY OUTLOOK:

Snowmelt during April Wea more

normal as a result of above average temperature and balow average presistation. This combination of factors has brought the May 1 snowpack over the Savier Basin to 56 of average. Foreasets of spring and summer streamflow have suffered an average reduction of 158 from the lavels foreaset one month Stored watter in the reservoirs on the Savier is 151% of average and 534 of orgonity.



#### SEVIER & BEAVER RIVER BASING

FORECAST POINT	FORECAST	AUG. (1000AF)	HDST	HOST PROBABLE (% HUS.)	REAS. MAX. (1000AF)	REAS. MAX. (X. AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (X AVE.)
SEVIER at Hatch	MAY-JUL	44.9	35.0	78	48.0	107	26.0	58
SEVIER near Circleville	NAY-JUL	34.2	25.0	69				
SEVIER near Kingsion	HAY-JUL	25.7	18.0	70	34.0	132	4.0	16
ANTIMONY CREEK near Antimony	HAY-JUL	6.9	5.5	80				
E F GEVIER near Kingston	HAY-JUL	16.4	12.0	73	22.0	134	5.0	35
SEVIER blw Piute Dam	HAY-JUL	42:0	29.0	69	57.0	136	4.0	10
LLEAR CREEK near Sevier	MAY-JUL	18,5	14.8	80				
SIGURD to GUNRISCH	KAY-JUL	36.4	51.0	140	85.0	234	18.0	49
KINCSIDH to VERHILLION DAH	NAY-JUH	32.7	34.0	104				
VERMILLION DAM to CUNNISON	HAY-JUL	19.0	26.6	140				
SALDHA CREEK at Salina	WAY-JUR	16.2	10.2	63				
NEVIER or Cunnison	HAY-JUL	79.6	78.0	98				
CHALK CREEK noor Fillmore	KAY-JUL	13.2	9+8	74	13.4	98	7.0	53
CHICKEN CREEK near Levan	APR-JUL	3.8	2.2	43	3.0	86	1.0	29
DAK CREEK near Oak City	MAY-JUL	1.1	0,4	36	1.0	71	0.0	0
EPHRAIN CREEK near Ephraim	NAY-JUL	22.0	11.5	52				
PLEAGANT CREEK near Pleasant	HAY-JUL	13.6	5,6	48				
MLT CREEK near Mephi	HAY-JUL	10.8	7,3	68	13.0	120	1.0	,
HAVES KIVER near Beaver	HAY-JUL	24.0	1916	79	27.0	113	11.0	46
KRTH CREEK near Beaver (combined W	HAY-JUL	12.7	1015	13	18.0	142	3,0	24
ENERSWILLE RESERVOIR inflow	APR-JUH	6,9	810	95	11,0	124	5.0	56
		121220128		STREET:				

#### STREAMFLOW FORECASTS

RESERVOIR STORAGE

(1000AF)

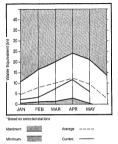
WATERSHED SHONPACK ANALYSIS

RESERVOIR	USEABLE I CAPACITY I I	XX USEABLE ST THIS LAST YEAR YEAR		WATERSHED	HD. COURSES AVG'O	THIS YEAR AS X OF LAST YR, AVERAGE
CUNNISON	20.3	20.3 18/2	14.4	UPPER SEVIER RIVER (south	11	76 54
HINERSVILLE (RkyFd)	26.0	24.4 23.1	14.6	EAST FORK SEVIER RIVER	4	90 62
OTTER CREEK	52.6	52.6 52.5	35.5	SOUTH FORK SEVIER RIVER	7	71 50
PIUTE	71.8	69.8 55.4	44.7	LOWER SEVIER RIVER (inclu	12	51 53
SEVIER BRIDGE	236.0	211.1 225.4	136.0	BEAVER RIVER	3	37 50
PANDUTCH LAKE	22+3	20.0 21.5		SEVIER & BEAVER RIVER BAS	26	\$4 56

Reas, max, and reas, min, forecasts are for 5% and VSE exceedance levels and also (2) below.
Corrected for upstream diversions or changes in reservoir storage.
The waveregt is computed for the 1961-55 basin period.

## E. Garfield, Kane, Washington, & Iron Co.





#### WATER SUPPLY OUTLOOK:

The incurack in southwestern Utah lost twice as much melt watch last month than is normal for April in response to the warmer and driar than normal westher confilting south that the southwest of the southwest courses to that of the first price of the southwest sources to list of average on the Escalante River courses to list of average on the Escalante River Sante Clars River and Goal Creak are 64, 53 and 571 holding only boolt 685 of their coundative espacity.

For more information contact your local Soil Conservation Service Office: Cedar City Field Office 801-586-2429

FORECAST POINT	FORECABT	25 1R, AVG, (1000AF)	MOST PROBABLE (1000AF)	HIGT PROBABLE (2 HVG.)	REAS, HAX, (1000AF)	REAB, MAX, (X AVG,)	REAS. HIN. (1000AF)	REAS. HIN. (Y AVG.)	
IRGIN near Hurricene	HAY-JUN	43.8	28.0	66	47.0	112	7.0	16	
RTA CLARA near Pine Valley	NAY-JUN	4.0	2.1	53					
WL DREEK near Cedar City	HAY-JUL	16.8	9.6	57	15.0	89	6.0	36	
WE POWELL inflow	APR-JUL May-Jul	8046.0 6475.0	700040 520040	87 9)	8060.0 6690.0	110 103	5300.0 3810.0	66 59	
REGERV	DIR STORAGE		1000AF)	1		NATERS	ied smowpac	K ANALYSIS	
REBERVOIR	UGEABLE CAPACITY		ILAST YEAR		NATERSHED		NO. COUR AVID'	SES	EAR AS X

VIRGIN BIVER

ENTERPRISE TO HER HARMONY

E. CARFIELD: KANE: WORKIN 12

PARDHAK

DOM, CREEK

5 80 61

. 84

2 0

з -45

> 182 114

84 61

48

#### STREAMFLOW FORECASTS

0.6 Ress. max. and ress. min. forecests are for 5% and 9% exceedence levels and also (2) below.
Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1981-05 base period.

0.0 22220.0

1.3 223 ESCALANTE RIVER

10.4 7.0 9.3

40.0 32.0 24.0 ---- î

10.0 3.0 5.0

2.6

25092.0

CUM OCY

LAKE POHELL

QUALL CREEN

UPPER ENTERPRISE

LOWER ENTERPRISE

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# SNOW MEASUREMENT DATA

SALE COURSE ABLEY TIAN LASS ABLEY TIAN LASS DEVICE LAS	ELEV.	DATE	SNON DEPTH	MATER CONTENT	LAGT YEAR	AVERAGE 1961-85
ATHLEY THIN LAKER	10500	04/29	41	11.1	22.3	18.0
ATMODE LAKE	10500	04/29	27	8.6	15.3	13.3
BEAVER CREEK DIVIDE	8280	04/23	0	0.0	8.0	6.5
BEAVER DAME	8000	04/24	ō	0.0	1.0	8.0
BEN LOMOND PEAK	8000	04/23	42	18.4	53.7	39.4
BEN LONOND TRAIL	6000	04/23	0	0.0	11.7	9.6
BEVAN'S CABIN	6450	04/30	0	0.0	2.6	5.5
BIG FLAT	10290	04/23	48	14.9	31.8	21.6
DIRCH CROEBING	8100	04/28	0	0.0	0.0	2.0
BLACK'S FLAT-U.M. CK	9400	04/24	14	3.5	8.2	9.4
BLACK'S FORK	9Z00	04/24	-	0.0E	7.9	11.9
BLACK'S FORK GS-EF	9340	04/23	19	6.8	10.7	9.9
BLACK'S FORK JUNCTN	8930	04/23	8	2.7	8.0	8.3
BOX CREEK	9300	04/23	10	6.Z	13.7	13.2
BRIAN HEAD	10000	04/23	53	20.0	24.3	22.0
BRIGHTON	8760	04/30	30	11.8		40.2
BROWN DUCK RIDGE	10600	04724	00	19.0	34.9	46.9
BRYCE CANYON	8000	04/27	~	0.0	0.0	0.6
BUCK PLAT	9800	04724	20	7.0	22.0	17.2
BUCK PABTURE	9700	04/27	20	2.6	22.0	11.2
BUCKBOARD PERT	7050	04/22	26	0.0	24.4	10.4
DUDING MILL CO. DANICH	7000	04/23		0.0	20.0	2.4
CAND INCUCCH HANCH	9400	04/27	ě	3.0	0.0	7.5
CARTLE VALLEY	9500	04/23	16	5.9	7.9	8.5.
CHAIK CREEK WI	9100	04/23	41	15.2	37.6	25.0
CHALK CREEK #2	8200	04/23	19	6.6	20.4	14.4
CHALK CREEK #3	7500	04/23	0	0.0	0.0	3.1
CHEPETA	10300	04/24	31	10.1	23.2	13.9
CHEPETA-WHITERKS, LK	10350	04/29	41	13.5	19.1	15.7
CLEAR CREEK MEADONE	94Z0				-	20.6
CLEAR CREEK RIDGE #1	9200	04/24	17	6.1	21.1	18.0
CLEAR CREEK RIDGE #2	8000	04/24	9	2.9	12.2	10.8
CLEAR CREEK RIDGE #3	6600	04/24	0	0.0	0.0	0.1
CURRANT CREEK	8000	04/24	0	0.0	0.0	2.8
DANIELS-STRANBERRY	8000	04/24	0	0.0	17.2	9.9
DEBERET PEAK	9250				24.1	26.9
DILL'S CAMP	9200	04/24	11	3.8	9.8	2.4
DONKEY RESERVOIR	9800	04/23	32	8.1		0.0
DRY BREAD POND	8350	04/23	3	1.0	24.2	18.2
DUCK CREEK R.S.	8700	04/23		10.02		20.0
CAST HILLON COTTA	9800	04/29	36	1.05	40.0	20.7
CADMINISTON CANNON	8000	04/24	40	17.1	44 7	22.7
EADNINGTON CANYON I	4950	04/24	26	10.4	30.6	23.7
CARNEWOPTH LAVE	9600	04/24	54	19.9	22.6	22.9
CTOU I AVE	9700	04/24	5	1.7	3.6	5.9
ETVE DOTNT'S AVE	11000	04/29	41	13.1	20.4	18.4
8.B.R.C. HEADQUARTER	8700	04/24	29	10.9	20.2	17.6
8.B.R.C. MEADOWE	10000	04/24	51	19.4	32.9	27.2
GARDEN CITY SUNNIT	7600	04/23	12	4.2	23.5	17.2
GEORGE CREEK	8840				-	-
SCOREBERRY R.B.	8000	04/24	16	5.4	7.6	10.0
HARDSCRABBLE	6700	04/24	0	0.0	13.0	11.1
HARRIS FLAT	7700	04/23	0	0.0	0.0	2.9
HAYDEN FORK	9400	04/23	25	8.5	22.4	16.1
HENRY'S FORK	10000	04/29	34	11.2	14.2	13.4
HENINTA G.S.	9500	04/23	22	7.1	10.2	10.2
HOLE-IN-THE-ROCK	9150	04/24	14	4.0	6.7	6.0
HOLE-IN-THE-ROCK GE	8300					0.0
HICKERBON PARK	9100	04/24	21	6.0	6.8	6.5

# SNOW MEASUREMENT DATA (cont.)

Sever CORRECT SUPPORT Herene Create House Herene Create House Herene Create House Herene Create House Herene House Herene Create Herene House Herene	ELEV.	DATE	SNON DEPTH	HATER CONTENT	LAST YEAR	AVERAGE 1961-85
LICEDER CREEV OLIMITT	7420	04724	0	0.0	9.2	8.3
LODGE RIDGE	8260	04/23	ă	2.9	28.2	20.0
HAINTINGTON-HORBESHOE	9800	04/23	43	16.1	34.9	27.4
INDIAN CANYON	9100	04/24	20	7.2	18.3	10.9
JOHNSON VALLEY	8850	04/24	0	0.0	0.0	4.6
KILFOIL CREEK	7300	04/23	16	5.6	14.9	10.7
KIMBERLY MINE (UPPER)	9300	04/23	38	13.4	20.0	17.2
KINS'S CABIN (UPPER)	8730	04724	13	4.0	9.9	9.8
KLONDIKE NARROHB	7400	04/23	0	.0	15.7	15.8
KOLOB-CRYSTAL	9250	04/23	29	11.6	14.5	21.6
LAKEFORK BASIN	11100	04/29	43	16.0	28.8	22.4
LAKEFORK MOUNTAIN #1	10200	04724	31	10.1	12.3	12.1
LAKEFORK MOUNTAIN #3	8400	04724	0	0.0	2.0	2.0
LAMES CANYON	7400	04/28		4.4	10.7	5.2
LABAL MOUNTAIN LONER	8950	04/20	44	17.6	17.0	14.4
LIGHT HUGHLING	10500	04/29	60	21.0	33.3	25.8
LIGHTNING LANS	2050	04/23	16	5.6	18.5	14.2
LITTLE SEAD (LONED)	6000	04/23	0	0.0	-4	1.9
LITTLE BEAR (UPPER)	6550	04/23	õ	0.0	1.1	5.6
LITTLE GRASSY CREEK	6100	04/23	ó	0.0	0.0	0.1
LONG FLAT	8000	04/23	ò	0.0	0.0	2.0
LONG VALLEY JCT.	7500	04/23	0	0.0	0.0	0.0
LOST CREEK RESERVOIR	6130	04/23	0	0.0	0.0	0.0
NAMMOTH-COTTONNOOD	8800	04/23	20	6.9	27.4	20.9
MERCHANT VALLEY (UP)	8750	04/23	8	2.7	15.7	7.9
MIDDLE BEAVER CREEK	8650					4.0
MIDDLE CANYON	7000	04/30	0	0.0	4-1	10.0
MIDNAY VALLEY	9800	04/23	43	18.4	25.3	24.1
MILL CREEK	6950	04/29	20	8.0	24.3	15.4
MILL D SOUTH FORK	7400	04/29	~	0.0	22.0	24 5
MONTE CRISTO R.S.	0700	04/23	22	7.6	17.7	10.5
MUSBY MOUNTAINTLOW?	9500	04/24	46	16.6	32.2	26.2
MILBACOT N.O.	8400	04/24		2.6	12.0	8.9
DAY CREEK #2	7760	04/23	ž	2.8	12.5	9.6
ONE NUE SUMMIT	7330	0.11 00				0.0
OTTER LAVE	9600	04/23	26	8.9	20.9	14.5
PANOLITTCH LAKE	8200	04/23	0	0.0	0.0	1.3
PARADISE PARK	10100	04/24	35	12.0	23.8	15.2
PARLEY'S CANYON SUM,	7500	04/28	5	1.6	20.3	14.2
PAYSON R.S.	8050	04/23	23	8.Z	17-4	16.3
PICKLE KEG BPRING	9600	04/24	25	9.4	12.7	16.8
PINE CANYON	8000	04/23		2.0	17.9	14.0
PINE CREEK	8800	04/23	23	8.7	25.4	17.9
REDDEN MINE LONER	8500	04/23	10	3.2	15.9	15.9
RED PINE RIDGE	9200	04/24	20	0.1	0.4	11.0
REES'S FLAT	7300	04/23		12.2	21.6	18.0
REYNOLDS PARK	10400	04/27		0.0	2.6	1.4
ROCK CREEK	6900	04/30	34	14.1	31.9	30.0
PECIEV CREEV B 8	10000	04/24	38	15.3	25.6	19.0
DEDGEANT LAVED	8300	04/29	0	0.0	3.4	11.7
PHINGLE MILL	6200	04/90	ō	0.0	0.0	3.3
BILVER LAKE (BRIGHT.)	8730	04/29	22	10.6	36.6	28.2
SMITH & MOREHOUSE	7600	04/23	1	.3	9.4	9.2
SNOWBIRD GAD VALLEY	9700	04/23	78	30.2		40.0
SCAPSTONE R.S.	7800	04/23		0.0E	0.0	1.2
SPIRIT LAKE	10300	04/24	43	10.4	.7.0	4.9
SQUAN SPRINGS	9300	04/23		0.0	0.0	

# SNOW MEASUREMENT DATA (cont.)

SNOM COURSE	ELEV.	DATE	SNOM DEPTH	MATER CONTENT	LAST YEAR	AVERAGE 1961-85
STEEL CREEK PARK	10100	04/23	52	16.6	25.0	19.0
STEEL CREEK PARK	8550	04/23	8	2,1	10.0	8.4
STILLNATER CAMP STRANDERRY DIVIDE	8400	04/23	ő	0.0	20.5	14.9
	7950	04/24	ő	0.0	0.0	
STUART R.S.		04/24	ő	0.0	0.0	
BUBC RANCH	8200			4.2	8.0	
TALL POLES	8800	04/28	18	4.9		16.1
THAYNES CANYON	9200				-	
THISTLE FLAT	8500				-	17.5
TIMPANOSOS DIVIDE	8140	04/24	12	5.1	30.6	23.0
TONY GROVE LAKE	8400	04/23	26	9.1	53.2	35.8
TONY GROVE R.S.	6250	04/23	0	0.0	.2	3.8
TRIAL LAKE	9960	04/23	40	13.7	45,9	
TROUT CREEK	9400	04/24	18	5.1	12.6	10.1
UPPER JOES VALLEY	8900	04/24	1	0.1	5.5	6.6
VERNON CREEK	7500	04/30	-	0.0E	-	5.1
VIPONT	7670				-	8.0
NEBSTER FLAT	9200	24/23	24	9.7	9.7	16.3
WHITE BIVER #1	8550	04/24	6	1.3	13.3	10.6
WHITE RIVER #0	7400	04/24	õ	0.0	0.0	0.8
WIDTSOE-ESCALANTE #3	9500	04/23	37	12.0	6.6	10.5
WRIGLEY CREEK	9000	04/24	12	3.5	7.3	9.0
	8700	04/23	15	5.0	1.4	7.3
YANKEE RESERVOIR	8700	04723	10	0.0		



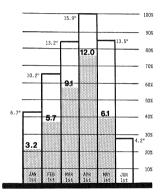
United States Department of Agriculture

# Utah Snowpack Progress

Soli Conservation Service

Salt Lake City, Utah



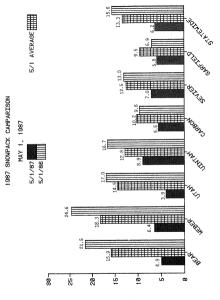


# Statewide

NOTE:

Snow water equivalent in inches is compared to the highest seasonal amount ( 100% ). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.



HZUIWO

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## The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

- Utan State University Utan State Department of Natural Resources Division of Wildlife Resources Division of Nater Rights Ber River Commissioner Provo River Commissioner Sevier River Commissioner Spanish Fork River Commissioner Utah Lake and Jorden River Commissioner
  - U.S. Department of Agriculture Soil Conservation Service Forest Service U.S. Department of Commerce
  - NOAA, National Weather Service
  - Bureau of Reclamation Geological Survey National Park Service
- Municipality Salt Lake City

Public

Federal

Beaver River Water Users Association Board of Canal Presidents - Jordan River Central Utah Conservancy District Emery Canal and Reservoir Company Moon Lake Water Users Association Ogden River Water Users Association Straberry Water Users Association Straberry Water Users Association Weber River Water Users Association Weber River Water Users Association

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

All programs and services of U.S. Dept. of Agriculture are available to everyone without regard to race, creed, color, sex, age, handicap, or national origin.