

Salt Lake City Public Utilities
Hydrology Department

Snow Survey for June 1st
by Dan Schenck & Larry Alserda

Snow Surveys on the Web! www.slccgov.com/utilities/snow_survey.htm

Little Cottonwood watershed
Alta Central snow course elevation 8800' 19 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	4.7	8	57	39.5%	30-May
2001	0	0	0	0.0%	
2000	0	0	0	0.0%	
1999	16.5	37	45	138.7%	
1998	17.4	34	51	146.2%	
1997	19.8	40	50	166.4%	
1996	20.3	37	55	170.6%	
1995	47.7	101	47	400.8%	
1994	0	0	0	0.0%	
1993	24.6	46	53	206.7%	
1992	0	0	0	0.0%	
1991	24.1	53	45	202.5%	
1990	0	0	0	0.0%	
1989	0	0	0	0.0%	
1988	0.2	1.0	20.0	1.7%	
1984	24.3	54.0	45.0	204.2%	
average	11.9				

Snowbird Snotel elevation 9160' 26 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	22.1	46	48	133%	30-May
2001	0	0	0	0%	
2000	4	9	44	24%	
1999	26	58	45	157%	
1998	23.5	53	44	142%	
1997	27.5	57	48	166%	
1996	36.6	78	47	220%	
1995	60.8	132	46	366%	
1994	0.5	1	40	3%	
1990	8.2			49%	
1989	5.2			31%	
1984	34.6	55	63	208%	
average	16.6				

Big Cottonwood watershed
Silver Lake snow course elevation 8700' 68 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	0	0	0	0.0%	29-May
2001	0	0	0	0.0%	
2000	0	0	0	0.0%	
1999	14.7	21	70	207.0%	
1998	7.4	13	51	104.2%	
1997	7.8	12	65	109.9%	
1996	12.6	16	79	177.5%	
1995	36.6	63	57	501.4%	
1994	0	0	0	0.0%	
1993	14.4	19	75	202.8%	
1992	0.0	0	0	0.0%	
1991	10.9	17	63	153.5%	
1990	0.0	0	0	0.0%	
1989	0.0	0	0	0.0%	
1988	0.0	0	0	0.0%	
1984	14.3	19	74	201.4%	
1983	41.7	75	55	587.3%	
1977	0	0	0	0.0%	
1952	0.0	0	0	0.0%	
average	7.1				

Brighton Cabin snow course elevation 8700' 81 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	0	0	0	0.0%	29-May
2001	0	0	0	0.0%	
2000	0	0	0	0.0%	
1999	8.7	19	46	177.6%	
1998	4.3	9	47	87.8%	
1997	4	8	48	81.6%	
1996	9.3	18	51	189.8%	
1995	30.7	63	48	626.5%	
1994	0	0	0	0.0%	
1993	9.7	18	54	196.0%	
1992	0.0	0	0	0.0%	
1991	7.0	17	41	142.9%	
1990	0.0	0	0	0.0%	
1989	0.0	0	0	0.0%	
1988	0.0	0	0	0.0%	
1984	8.4	16	54	171.4%	
1983	32.3	66	49	659.2%	
1977	0.0	0	0	0.0%	
1952	N/A				
average	4.9				

City Creek Lakes snow course elevation 7550' 19 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	0	0	0	0%	30-May
2001	0	0	0	0%	
2000	0	0	0	0%	
1999	0	0	0	0%	
1998	0	0	0	0%	
1997	0	0	0	0%	
1996	0	0	0	0%	
1995	11.6	23	50	773%	
1994	0	0	0	0%	
1993	3.6	8.1	44	240%	
1992	7.0	15	45	467%	
1991	0	0	0	0%	
1990	0	0	0	0%	
1989	0.0	0.0	0.0	0%	
1988	0.0	0.0	0.0	0%	
1984	2.7	5.0	53.0	180%	
average	1.5				

Millcreek snow course elevation 7000' 29 years of record

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	0.9	2	53	21%	30-May
2001	0	0	0	0%	
2000	0	0	0	0%	
1999	3	7	43	71%	
1998	7.1	16	44	169%	
1997	3.4	8	45	81%	
1996	2.4	4	56	57%	
1995	9.4	20	48	224%	
1994	0	0	0	0%	
1993	2.9	6	54	69%	
1992	0	0	0	0%	
1991	8.1	19	42	193%	
1990	0.0	0	0	0%	
1989	0.0	0	0	0%	
1988	0.0	0	0	0%	
1984	7.4	18	53	176%	
1983	24.3	54	45	579%	
1977	0	0	0	0%	
average	4.2				

Narrative:

Three snowcourses had snow on them this month which is below normal. Runoff up to this point has been higher than last years values for the streams that have peaked but still below normal. May has turned out to be another dry month with only 48" of precip. With the normal being 2". This dryness during peak runoff equates to more snowpack water going to satisfy soil moisture requirements rather than overland flows. Streams are showing a lower than expected runoff due to this major factor even though snowpacks were close to normal.

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Narrative: