

Big Cottonwood watershed

City Creek watershed

Brighton Cabin Snow course 81 years of record elevation 8700'

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

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	27.2	68	40	100%	2-Apr
2001	18.7	55	34	69%	
2000	23.6	64	37	87%	
1999	20.6	62	33	76%	
1998	28	76	37	103%	
1997	35.2	86	41	129%	
1996	34.7	88	40	128%	
1995	32.3	83	39	119%	
1994	24.1	65	37	89%	
1993	33.8	87	39	124%	
1992	16.1	47	34	59%	
1988	16.8	54	30	62%	
1984	32.5	84	39	119%	
1983	36.2	103	35	133%	
1977	10.6	44	24	39%	
1952	43.2	130	31	159%	
average	27.2				

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	29.4	79	37	115%	27-Mar
2001	20.4	48	43	80%	
2000	25.6	65	39	100%	
1999	20.4	44	46	80%	
1998	31.9	77	41	125%	
1997	31	72	43	122%	
1996	32.6	81	40	128%	
1995	29.8	71	42	117%	
1994	22.2	57	39	87%	
1993	27.1	60	45	106%	
1992	11.4	31	37	45%	
1991	23.7	63	38	93%	
1990	13.5	34	40	53%	
1989	27.5	62	44	108%	
1988	15.4	43	36	60%	
1984	40.3	97	41.0	158%	
average	25.5				

Silver Lake Snow Course 68 years of record elevation 8700'

Louis Meadow snow course 26 years of record elevation 6700'

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	24.3	64	38	93%	2-Apr
2001	20.1	55	36	77%	
2000	22.6	64	35	87%	
1999	23.6	63	37	90%	
1998	30.1	73	41	115%	
1997	34.6	79	44	133%	
1996	29.6	80	37	113%	
1995	34.6	83	42	133%	
1994	21.0	63	34	80%	
1993	37.1	84	44	142%	
1992	15.7	44	36	60%	
1991	21.4	64	33	82%	
1990	22.8	61	37	87%	
1988	16.4	48	34	63%	
1984	28.2	76	37	108%	
1983	31.0	92	34	119%	
1977	12.1	44	27	46%	
1952	38.2	114	34	146%	
average	26.1				

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	22.2	56	40	132%	27-Mar
2001	11.4	30	38	68%	
2000	19.1	47	39	114%	
1999	12.2	28	44	73%	
1998	25.8	64	40	154%	
1997	17.5	43	41	104%	
1996	22.4	52	43	133%	
1995	20.4	49	41	121%	
1994	15.2	37	41	90%	
1993	19.3	40	46	115%	
1992	4.6	12	38	27%	
1991	15.5	41	38	92%	
1990	4.6	11	41	27%	
1989	16.3	37	44	97%	
1988	9.0	23	38	54%	
1987	13.5	36	38	80%	
1986	15.5	37	42	92%	
1985	22.5	50	45	134%	
average	16.8				

Mill D snowcourse 68 years of record elevation 7400'

Hidden Springs snow course 21 years of record elevation 5500'

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	20.1	50	40	104%	2-Apr
2001	9.8	27	36	51%	
2000	17.4	53	32	90%	
1999	14.4	35	41	74%	
1998	21.1	55	38	109%	
1997	21.4	54.9	39	110%	
1996	24.6	68	36	127%	
1995	18.5	54	34	95%	
1994	15.4	38	41	79%	
1993	13.7	29	47	71%	
1990	14.5	43	34	75%	
1989	17.0	42	40	88%	
1988	12.6	37	34	65%	
1984	24.6	64	39	127%	
1983	24.6	74	33	127%	
1977	14.3	44	32	74%	
1952	34.4	93	37	177%	
average	19.4				

year	water content (inches)	snow depth (inches)	density (percent)	percent of normal	date of sampling
2002	6.5	19	35	283%	27-Mar
2001	0	0	0	0%	
2000	0	0	0	0%	
1999	0	0	0	0%	
1998	5.5	15	38	239%	
1997	0	0	0	0%	
1996	1.9	6	32	83%	
1995	0.4	1	40	17%	
1994	0.0	0	0	0%	
1993	1.1	3	37	48%	
1992	0.0	0	0	0%	
1991	1.0	3	37	43%	
1990	0.0	0	0	0%	
1989	0.0	0	0	0%	
1988	2.5	7	34	109%	
1984	12.9	32	40	561%	
1983	8.1	22	37	352%	
average	2.3				

Big Cottonwood snowpack

99% of normal

City Creek snowpack

126.5% of normal

Snowpack percent of normal

above 7500 feet : 105.1%

7500 feet and lower : 115.8%

Total Wasatch Front: 108.3%

*Hidden Springs and Killyon Snow Courses had excessive % of normal and are not included.

Narrative:

March had some impressive gains in the snowpack. The cold, wet Maritime climate during the first 3 weeks of March helped bring much needed moisture, kept temperatures cool and most important delayed runoff. Around March 1st our streams start to bump off their Winter base flows this has been delayed by about 3 weeks. This will produce better runoff volume and have less soil moisture loss. We should see average to slightly above average stream flow volume for 2002. The peak flows should be delayed a week or two.